

## Reserved Parking Available For Undergrads

by Etaoin Schroedlu

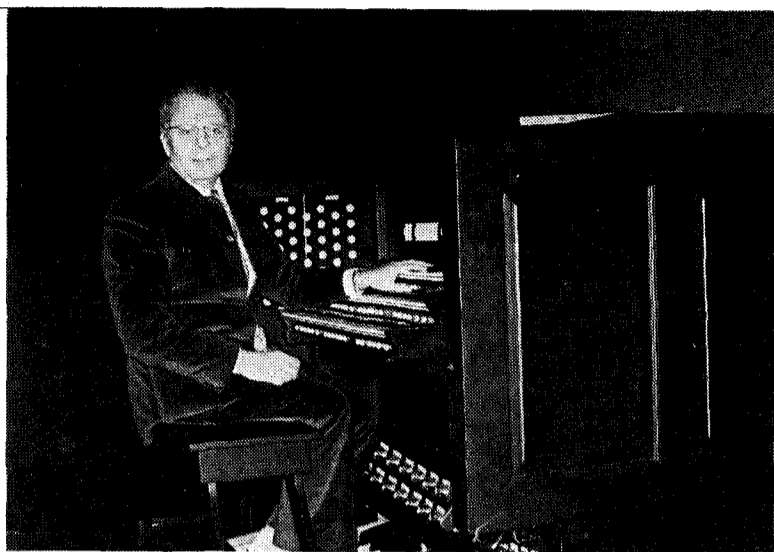
Trouble parking? Support Planned Parenthood if you want, but also check out the new Institute parking arrangements. The appropriate Institute committee duly deliberated and came up with an "administrative procedure" to cover parking problems.

On-campus undergrads (and grads) may be interested to know that they are eligible to receive an assigned parking space upon payment of \$1.00 per month or \$12.00 per year. Assigned spaces are for 'exclusive use' of their possessor between 7:00 a.m. and 6:00 p.m. weekdays. (Why the other hours of the week are excluded is left as a problem for the reader.)

Special permits must be obtained from the Safety and Security Office (basement of Business Services, also known as Parkinson) for overnight parking. Off-campus students are not eligible for overnight parking privileges.

Due to the perennial decline of parking space at Tech, greater efforts will be made to limit use of Tech parking lots to Tech personnel of one sort or another. Shortly the policy will be established that every Techer vehicle will have a sticker, and vehicles not so stickered will be discouraged from using Tech lots in various unspecified ways.

Veteran Tech parking lot users have wondered how these and other new policies will be enforced. In practice, this cannot be predicted; the traditional rule is that randomness reigns. The procedures state that "non-observance of the prescribed conditions for on-campus parking will be the basis for a first warning. Further instances will be cited." Any citation may be appealed to the Parking Board of the Institute, which has the final authority.



**VIRGIL FOX + Revelation Lights = Great Show! Two more-great performances, Friday and Saturday nights at Beckman Auditorium. Photo by Peisner**

## Health Center To Experiment With Appointments

In an attempt to eliminate lengthy waiting periods, the Health Center is experimenting with a change in its procedures. Previously, students have been seen by Dr. Ketabgian on a walk-in, first come/first seen basis each weekday afternoon from 1:30 - 4:00 p.m. Beginning October 9, 1972, only one hour each afternoon, from 1:30 - 2:30 p.m. will be reserved for walk-in patients. During the period 2:30 - 4:00 p.m. priority will be given to those students who have called the Health Center earlier and made an appointment. During this time, every attempt will still be made to see students who walk in without appointments, but this will have to be done between regularly scheduled appointments. So, for the convenience of everyone involved, all students are urged to call the Health Center (ext. 2394) for an appointment if they cannot or do not wish to drop-in on a non-appointment basis between 1:30 - 2:30 p.m. Of course, as always, immediate attention is

**Continued on Page Eight**

## The Poisoned Pencil

## ASCIT Delays Budget Requests

by Bob Schaff

It seems that there is a weekly show in the Winnett Lounge on Tuesdays about four that some are beginning to say rivals the movies on Friday nights. The menage is evidently written and produced by ASCIT and is being billed as their weekly BOD meeting.

Seriously, however, this week's meeting concerned itself with some very interesting and occasionally controversial ideas that should be of interest to many Techers. Joe Morin, ASCIT Pres., recovering from a memory lapse last week, related the basics of some communication he had with Dr. Oscar Mandel of the Humanities and Social Sciences Dept. It appears that the institute is considering cutting all the language lit. courses form the curriculum, leaving only one Professor in each of three languages (French, German, and Russian). It was the general opinion of the members of the BOD (and of this author), that to discontinue any of the present offerings would be an extremely unfortunate move in view of the steadily increasing enrollment in

## Y Activities Announced For Coming Year

by Etaoin Schroedlu

The upcoming Caltech Y programs for this year will include a conference on issues of programming behavior; continuing programs in Life Beyond Science, the Leaders of America speaker series, and the Friday noon concerts on the Olive Walk; a fence-painting project to beautify the behavioral biology building boundary; and perhaps discussions of alternative Caltech life styles.

Techers of last year may remember the conference on Genetic Engineering and Society sponsored by the Y, at which Dr. Robert Sinsheimer and Senator John Tunney spoke. This project generated so much interest in biological and scientific problems as social issues that the Y is currently planning another major conference, this time concerning programming of behavior. Current plans call for a major discussion between Dr. B. F. Skinner, or one of his followers, and an opponent of Skinner's beliefs on conditioning, as well as discussion groups on various issues raised by the possibility of behavioral conditioning, as seen from various points of view. Further information may be obtained from Dr. McMahon (X1959) or the Y.

**Is There A . . .**

In an effort to present life views beyond the scientific, the Y is presenting a series of speakers on Life Beyond Science. Alan Watts will be coming to Tech to speak on January 18, and several other speakers will talk on as-yet unspecified dates: Hunter Thompson, author of the book *Fear and Trembling in Las Vegas*, former hippie candidate for sheriff in Aspen, Colorado, and author of a book on the Hell's Angels; John Barth, author; and Robert Erwin. Original program plans called for a talk this term from Carlos Castaneda, author of *The Teachings of Don Juan* and *A Separate Reality*, whose appearance on campus last spring was a great success, but Castaneda will not be available until the winter or spring.

In the past the Y has occasionally brought in a major outside speaker as part of the Leaders of America program; such men as Barry Goldwater, Charles Percy, and Paul Good-

**Continued on Page Two**

these courses over the past three years, and the fact that choices in this area of our curriculum are very limited even with the present number of classes.

The discussion then turned to the Bookstore. Sometime during the next few weeks, its hours of operation will extend an hour or so later in the afternoon, manned by student personnel for the extra time. Presumably, this may sometime in the future lead to total student operation of the Bookstore and an extra source of income for ASCIT.

Graft, corruption, greed, and coercion have come through again! Winnett Lounge will have new speakers installed sometime during the next week to replace those in the jukebox, and perhaps become the start of a good sound system for the lounge.

Due to numerous requests for money from ASCIT that seem to come trickling in form widely varying sources, (Caltech Chamber Music Club, Gay Discussion Group, etc.), and due also to a wide gap in knowledge concerning how much money ASCIT has spent lately, the Bod is asking that all you little money-grubbers

**Continued on Page Eight**

## News Briefs

## ASCIT Beer Blast Friday

There will be an ASCIT sponsored "Thank-God-It's-Friday" party-party in Winnett Lounge tomorrow from four to six p.m. Music of one sort or another will be provided and beer will be available for 75 cents a pitcher.

### Eight Students Needed To Audit Conference

Eight Caltech students are needed to attend the discussion groups at the Community Goals Conference October 21, and to write short summaries as participants in the discussions. Interested students should contact professor Robert Oliver in 211 Baxter.

### Hockey Club to Hold Important Meeting

A meeting of the Hockey Club will be held Sunday night, October 15, during the regular weekly practice at the West Covina skating rink. The decision about entering a league will be made at this time, so it is imperative that those interested in participating attend. Meet in the Atheneum parking lot at 10:45 p.m. All interested frosh and new grad students are encouraged to come out. You too, Rogers.

### Student Shop Class Saturday

This year all people wanting to be shop members must show

up at a meeting which will occur only a couple of times each term. The first meeting will be Saturday, October 14. All old members must show up at 10 a.m. for a two-hour refresher course. Anyone wanting to become a member for the first time and use the lathes, saw, and other equipment must show up at 1 p.m. on Saturday for lessons and explanations. Dues are five dollars a year.

### Caltech Hillel Elections To Be Held

Tomorrow afternoon, Friday, Oct. 13, at 4 p.m., Caltech Hillel will meet to determine the offices and officers who will

**Continued on Page Eight**

## Football Game Tomorrow



Caltech song girls take time out from one of their many practice sessions to go on a sightseeing tour of a world-renown technical school campus. Their left feet point toward Gates and their right ones toward Throop, indicating their interest in earthquake-damaged landmarks. Photo by Ray Feeney

Department Formed

Zablocki Heads Sociology

by Mark Bails

A recent addition to the Caltech faculty comes in the form of Dr. Ben Zablocki, a defender of Sociology. Dr. Zablocki has a fairly solitary position to fill. As the Senior Research Fellow in Sociology, he is the entire Sociology Department.

Dr. Zablocki graduated from Columbia University with a B.A. in Math in 1962. In 1967 he emerged from John's Hopkins as a sociology doctor. He taught at Berkely for six years, where his research consisted mainly of empirical studies of communes.

He eventually started searching for something better than Berkeley. He was drawn to Caltech partly because of changing research interests, and is now involved with the Environmental Quality Lab. The natural question at this point is, "Why is a sociologist involved in important research such as that for which the EQL is striving?" It turns out that sociology may play a major part in the hope for a better world. Dr. Zablocki is concerned with the implementation of possible changes for the better, answering questions such as: is this program acceptable for modern society? Can modern society continue without such a program? and so on.

When Dr. Zablocki isn't doing research or organizing his second book, he occasionally instructs courses. This year he is heading Anthropology 101, entitled "Collective Action and Collective Decision Making." The first term deals with empirical research, the second involves experimental research, and the third examines theory. However, the terms need not necessarily be taken as a sequence. Each term is complete in itself.

The first term will consist basically of a study of communes as social experiments. The greatest focus will be on the communes of the sixties and how they utilized collective action and decision making to solve the basic problems of life. The winter term is the study and use of "gaming" in sociology. The

class will play games to see how these experiments are organized and what the results might be. At first, the games will be held within rigid bounds, and each person's role will be predetermined and sharply defined. Hopefully, some of the restrictions can later be loosened and more experimental situations will evolve.

Spring term, the theory behind "Collective Action and Decision Making" will be covered. This theory will deal primarily with society as a whole. If enough people continue the three-term sequence, the theory could be based on the results of the first two terms; however, it is more likely that this course will be more-or-less independent of the first two.

Dr. Zablocki deals with one of the sciences that aren't of primary interest at Caltech, but he works in a field that eventually involves everyone around here. He is sure to be an asset to the sociology department and to the Caltech community.

Y Program

Continued from Page One

man have come to campus as part of this program. This year, the Y hopes to have another such visitor, and is in the process of making preliminary contact with several such individuals.

Life Beyond Tech?

The popular Friday noon concerts will continue this week, with blues guitarist Randy Allen. Next week the concert will be presented by Kimber & Pelli.

Plans are also being made for a Caltech Arts & Crafts Faire, as readers of the flyers posted around campus know. Techers who might be interested in producing items for sale at the Faire are urged to get in touch with John Cross, X1959.

Even such a small organization as Caltech shows several different sorts of life styles: the Houses, the grad dorms, co-ops, and various other systems. Several Caltech community members,

Exhibits Announced For Baxter Art Gallery

by Paul Harper

Despite an uncertain fiscal future, the Baxter Art Gallery has arranged a program for the 1972-73 academic year.

Eight separate shows are planned through June. Until October 21, the gallery is featuring contemporary tapestries from the Hurshler collection. In November, a sampling of Oriental art from the Fisenberg collection will be on display. Following in January will be examples of the work of some California super-realists. In late January and early February, timed with the arrival of a circus at Beckman Auditorium, the gallery will have a set of circus posters.

The March offerings will be the creations of three California artisans, Walter Askin, Max Finkelstein, and Paul Wonner. "T.J. in L.A." will be presented in April. May's art will be from the collection of Virginia Steele Scott, who has been one of the chief supporters of the gallery. June will feature Caltech student art, organized by Laurie Schalit, coordinator of gallery sitters.

According to Dr. David Smith, the gallery—located in the basement of Baxter Hall—was established through the efforts of Drs. Smith, Kent Clark, and Charles Newton as a part of a three-fold program. This program consists of the instruction of future artists at Caltech, the attraction of artists from the area to work with scientists on the implications of combining art and science, and the establishment of the exhibit gallery. Dr. Smith added that the gallery has achieved high status, as far as small colleges are concerned.

The gallery is dependent entirely on donations from the Pasadena community-at-large, and available funds have been trailing off. Dr. Smith estimates that with current resources, the last two showings will cause a funding deficit.

"Since the gallery is such an asset to the Caltech and local communities," commented Dr. Smith, "I just can't believe Caltech would not support it, but we are having financial problems."

including Dave Collier (X2009) and Dr. Jerry Pine (X2677), are working on the idea of holding a conference for various Techers to exchange ideas on their life styles, with perhaps visitors from other sorts of collegiate environments.

Only the Shadow Knows

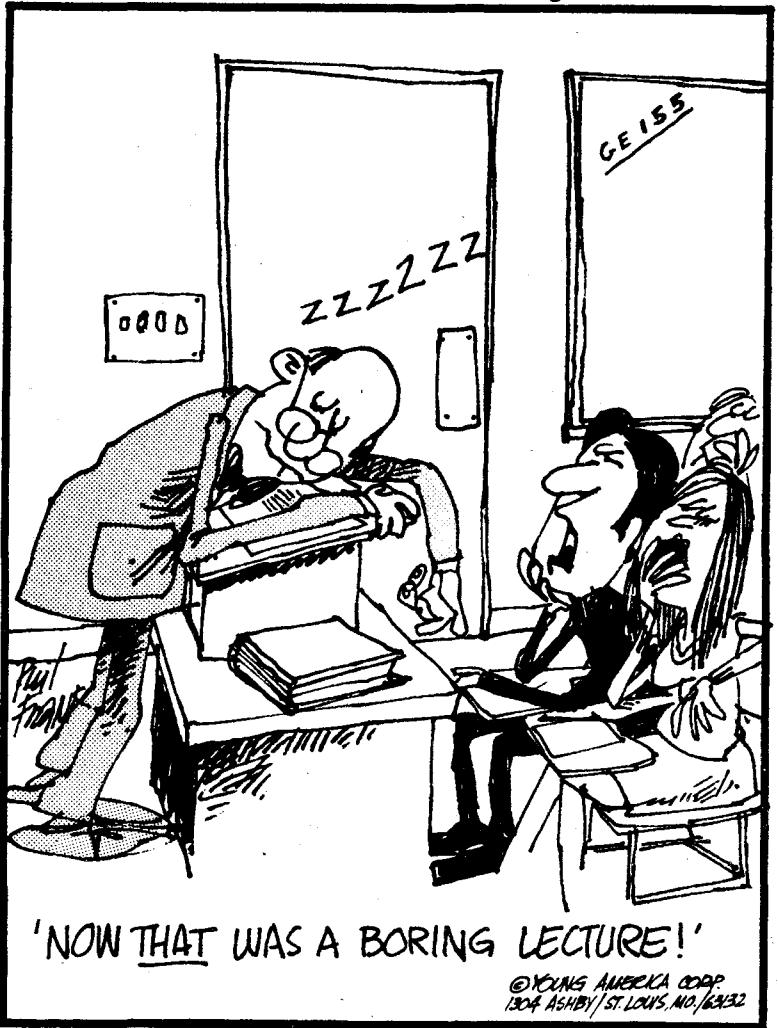
Barbra McCandless at the Y (X2163) is working diligently to co-ordinate a fence-painting project, tentatively planned for October 28th. Paint and plywood would be provided for interested workers in Dabney Gardens, near the fence site, and the activity would go on to the sound of an imported band. Sources of money are being tapped for this

program at present; further details can be obtained from the Y, or from future articles in the Tech.

Also coming up this term is a Y event of a different sort, the annual Y fund drive, aimed at the undergrad and grad students. Tech veterans will recall the large number of Y programs and services of the past; hopefully, all Techers will continue to find much of worth in the Y programs. Please, give generously.

HURRAH!!!  
THE MUDEO IS COMING  
HURRAH???

FRANKLY SPEAKING by Phil Frank



Volunteers Needed For Saturday School Program

by David Champa

The "Secondary School Science Project" (alias "Saturday School") needs volunteers to teach seventh, eighth, and ninth grade students the fine points of such diverse studies as advanced biology, ceramics, photography, and the scourge of mankind, physics.

The Saturday School, directed by Lee Browne, has been a going concern at Tech since 1969. The program is dedicated to the enrichment of interested, although not necessarily gifted, junior high school students. These students come from all over Los Angeles County of their own volition to participate in this unique experience.

Classes will begin on October 7th. They will be held on 32 Saturdays and run from 10:00 a.m. to noon. There may also be an afternoon session if enough interest manifests itself.

Anyone even slightly interested in helping with this project should contact Mr. Browne in his office, 212 Dabney Hall, extension 2207 or 2208. Should you not be able to catch him between breaks in his busy schedule, place a note under his door with information as to where he may contact you. As Mr. Browne put it, "This is obviously a very important program for the Institute's image. It demonstrates Tech's involvement in providing opportunities for young people."

The CALIFORNIA Tech

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# Ingersoll Tells All (Part II)

by Dennis Mallonee  
Continued from Last Week

**Tech:** So far, this has been pretty standard stuff for an interview with a professor, associate or otherwise. In checking over past *California Tech* issues, I've found that professors like to talk about the *work* they're doing. What do you do when you're having fun?

**Ingersoll:** I could tell you about several things, but I'll tell you about my living arrangements. My living arrangements have been non-standard over the last six years. Well, I'll give you the whole background. In Harvard I lived in a sort of run-down students' lounge and loved it, both before and after I was married. Then we came out here. It was a big transition. We figured, "Well, now it's time for us to settle down," so we bought a house, a very nice house in Altadena. It was a pretentious house. It was a good-looking house. It had lots of beautiful landscaping. So we started a style of entertaining which fitted the house, which was formal entertaining and always having people over for dinners where everyone gets dressed up in a coat and tie, and sits down to a delicious eight-course dinner. We settled

into that style, and always had three other couples over for dinner. After a while, we realised we were *miserable* living this way. Maybe it was our own fault for not realizing what we were doing. (My wife's name is Sarah, by the way.)

After we'd been living there two-and-a-half years, we discovered the little cabins in the national forest. In various places up in the mountains that you see from campus there are little, very crude cabins with no plumbing, no heat, no electricity, no telephone. They're just shelters from the rain, with fireplaces to keep you warm, and water from a stream. They're on forest service land, but you can buy them. Occasionally one of them will come up for sale, and you can buy the lease from the previous owner. So we bought one, and moved into it in November of '68, and rented out our big, beautiful house in Altadena. We moved into the cabin, and started on a terribly romantic existence for eight months, living in this incredibly primitive environment. It was a very rough winter (there were floods in January of '69 — broke all the records), but it was great to be fighting nature for a while, rather than fighting

myself or fighting my colleagues. We were doing a frontier trip, and it was very romantic.

All of a sudden I had real relevance to my family. Before, living in Altadena, I had been the guy who lived there and disappeared. I'd go to work in the morning, come back at night, and everyone would ask "Where'd you go all day?" My kids would say, "Where were you all day?" And I'd say, "Ah, I went to work." And they'd say, "What do you do at work?" And then I'd explain. But it wasn't very clear that I was very necessary to them, because that was a little abstract. When we were living in the cabin, all of a sudden I had real relevance to my family, because I was really a necessary beast of burden. We had a lot of stuff to carry in and out (it was a mile and a half walk from the car to the cabin). I had to chop wood, and things kept breaking down. I had to keep the outhouse in shape. We had water piped in from a little spring on the side of the mountain into our house, and I had to keep the thing working. And during the floods I had to shovel out one room of the house that got full of crap. Anyway, I did all these things that were relevant

to my family, and very meaningful. I kind of integrated myself with my family. On the other hand, it was an impossible place to live, really, for a family, 'cause the kids didn't have anyone to play with, so we sort of reluctantly moved out. We still own the place.

**Tech:** And now?

**Ingersoll:** The last two years I've lived in a big house that's owned by Caltech. There are a whole bunch of other people there, too. Right now we have a post-doc and his wife, a grad student and his wife, another grad student, and two girls from P.C.C. Last year and the year before we had some of the same people, but also some others, who've moved away or graduated.

I'm really glad I do this. It's been a very successful thing, too. And it's going to continue.

**Tech:** What are you planning to do in the future?

**Ingersoll:** I've gotta see this thing through with Dicke, because I believe I'm right and I've got to convince other people that I am. I haven't yet expressed all the arguments in the literature, I haven't really seen all of Dicke's original data. There are more things we can do to test our hypotheses.

**Tech:** You still say he didn't use the faculae?

**Ingersoll:** I still say that he wasn't measuring the physical shape of the sun at all. He was measuring the brightness of the

equator. He was measuring the distribution of bright spots on the sun. What he was seeing was that the equator was brighter than the poles. He made the erroneous conclusion that the equator had a bigger diameter than the poles.

**Tech:** It seems that anything that rotates on its axis would have a larger equator.

**Ingersoll:** That was the one thing I forgot to explain at frosh camp. You're totally right, the equator should be a little bit bigger, due to the rotation which you see when you look at sunspots.

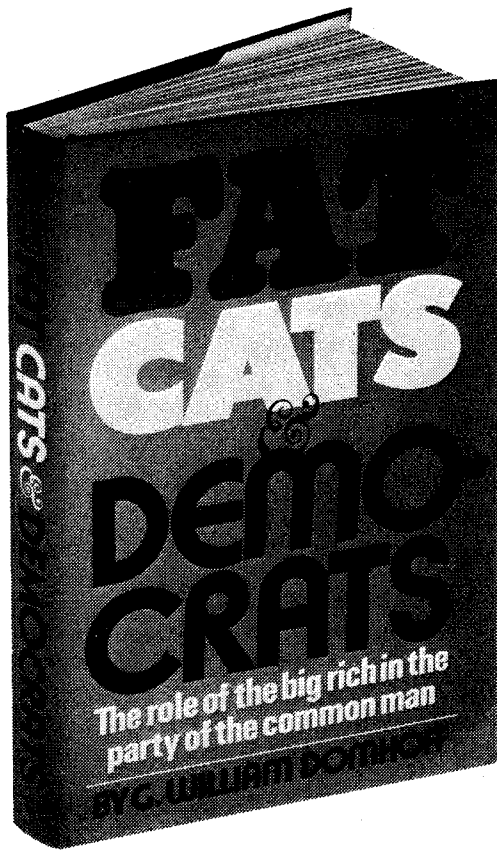
**Tech:** But Dicke had too much?

**Ingersoll:** But Dicke had *five times* that amount of oblateness. And that five times is totally unexplainable. You have to get very exotic. What you have to postulate is that the sun has a core that's rotating fifteen times faster than its surface. That would explain it. But that's really quite a qualitatively different kind of thing. So, yes, you expect the sun to look slightly oblate, but Dicke measured an oblateness five times too much.

**Tech:** Okay, what are you planning to do after the Dicke thing?

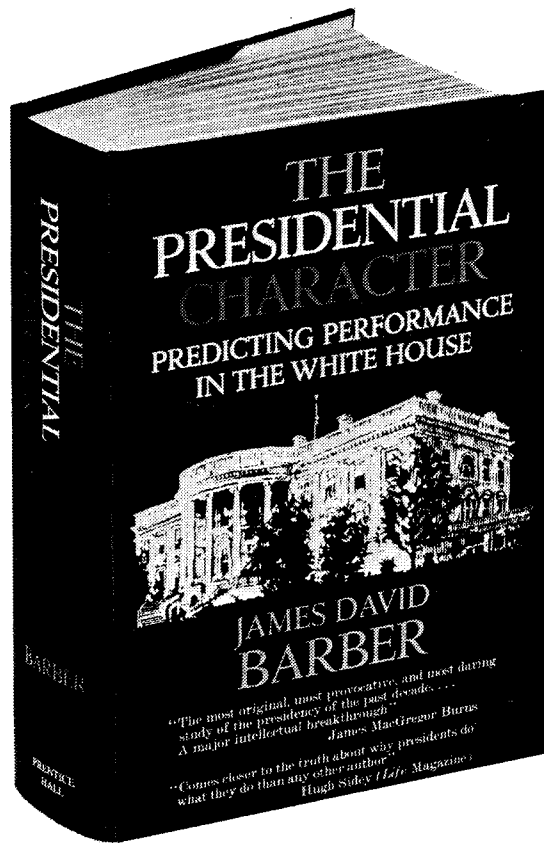
**Ingersoll:** Well, I think I'm going to continue working in planets, planetary atmospheres. The basic questions about the atmospheres of the planets have not yet been answered, whereas

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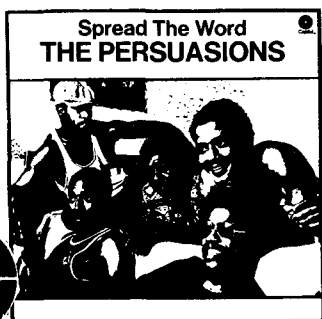
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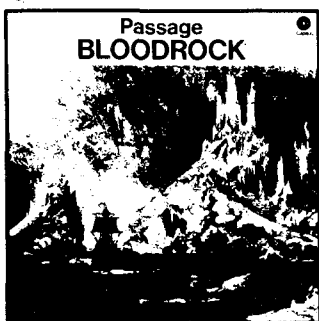


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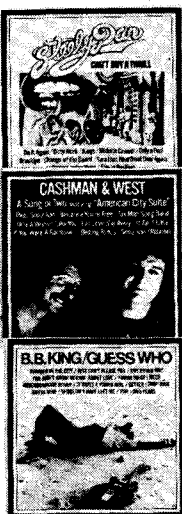
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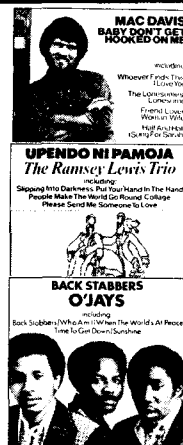
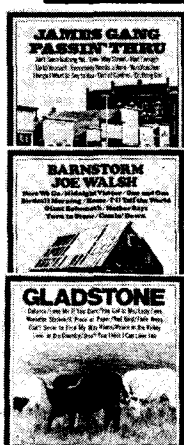
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*n Encores*

Fox Wows Audience

by Marc Donner

If you haven't gotten your Virgil Fox tickets yet, you'd better move fast! There just might be one left for you at the ticket office. If you miss this opportunity you will have to wait at least another year before your next chance. Last night was the opening of Virgil Fox in Beckman and you should have been there! KFAC ran a program of music played by Fox yesterday evening, but the real thing was something else.

During the course of the concert, Fox produced an impassioned and occasionally inarticulate commentary on the music he was playing and his views of the world. In between the commentary he played a selection of Bach's music which thrilled the audience. The light show provided a heightening emphasis to the music. After the program was completed, the audience wouldn't

let Fox leave, so he went on to play four (or was it five? I wasn't counting.) encores.

The Bach lovers among you need no more convincing, but the rest, especially the skeptics who believe something old is decrepit, should go see/hear Fox simply because he presents the alive and real part of Bach's music. He aroused controversy among his musical colleagues with his unusual attitude toward the music he played while impressing them as a first rate virtuoso. Among other things, he advocates the use of modern techniques in the design and construction of organs, an idea which causes many of his more conservative colleagues to shudder. But, regardless of your own particular reasons, you should go see/hear Fox. He'll be playing on Friday and Saturday, so pick your night.

The  
Critical  
Ear

All Together Now, *Argent*. (Epic KE-31556).

Argent sounds a lot like Iron Butterfly. It wasn't always that way; their first two albums were fairly competent, interesting efforts to expand on what they, as the Zombies, had attained with *Odysey and Oracle* in

1968. Argent's third album, *All Together Now*, suffers from a pervading sense of, well, standardness. Rod Argent, lead singer and organ player, has taken what used to be a nice, unobtrusive keyboard style and turned it into Doug Ingle brand commercial jerk-off counterpoint. He also manages to prove, as have so many of his contemporaries, that Keith Emerson is the only rock organist around today who can do classical stuff as well.

But Argent tries, they really do. The album starts off with

Continued on Page Eight

A Techer's  
Impression Of  
Virgil Fox

by Peter W. Beckman

[Ed. Note: Tuesday evening Virgil Fox and his mother visited with students in Page House. This is one student's impression of the encounter.]

Virgil Fox is indeed *heavy*. He comes across with such a flood of personality that there is no way for him not to be the focus of attention.

From the first it is obvious that Fox is a showman. The extroverted manner, the firm handshake, the constant smile identify him as one who makes his living entertaining people. He has an image to maintain, and he maintains it well, but, at the same time, he doesn't take himself too seriously. He can say to a student he only met 30 seconds before, "Come to my performance or I'll never speak to you again." and convey every ounce of humor inherent on the situation.

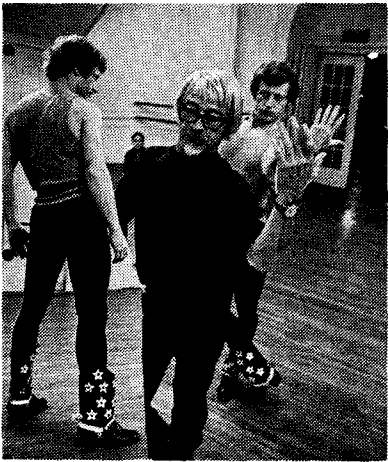
More importantly Fox comes across as a man who truly loves his work. He feels that great music belongs to the people - it should go to them, not them to it. Thus, he travels across the continent entertaining thousands. He is not a purist; he projects himself into the music so that it is his as well as Bach's. He is proud that he puts all of his own energy and spirit into the performance. "I play Bach more loudly than anyone else, but also more softly," he proclaims.

All-in-all Virgil Fox comes across as a man to listen to - whether he is speaking or playing.



VIRGIL FOX, famous organist, speaks to Page Dudes: "Give me a B! Give me an A! Give me a C! Give me an H!" Photo by Dave Peisner

FROSH REJOICE?!  
THE  
MUDEO IS COMING!!!!  
October 22



LOS  
ANGELES  
DANCE  
THEATRE

Artistic Director, EUGENE LORING  
Director, Paul Gleason

BECKMAN AUDITORIUM  
Friday, October 20, 8:00 P.M.  
(also Saturday, October 21, 8:00 P.M.)  
CALTECH STUDENTS \$1.00!

Three decades ago in Chicago, EUGENE LORING, one of America's great dancer-choreographers, danced the lead in *Billy The Kid*, his own balletic composition. Still his most famous ballet, and one which has been performed at the White House by presidential command, *Billy* will be restaged by THE LOS ANGELES DANCE THEATRE, under Mr. Loring's personal supervision, especially for Caltech audiences. The sets are being redesigned by Robert Fletcher, recent Tony Award nominee.

In addition, on the same program, the world premier of Stuttgart balletmaster Alan Beale's *Walk To The Paradise Garden*, choreographed to the romantic music of Frederick Delius, will be performed. These performances by the new and versatile Los Angeles Dance Theatre promise to be a most exciting opening for our series.



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Southwestern Academy Rejoices

## Flems 'Steal' Cannon

by Alfred Krupp Fansome

Weeks of planning, preparation, and organization payed off as the Mickey Mouse brigade of the Fleming Commando Corps executed one of the classic maneuvers of military history. The dread un-red enemy lost all of his heavy artillery to the brilliant assault by *coup de grace*.

After studying the terrain of San Marino and environs, the Red Army chose to attack by night at the Southwest Military Academy, where a Franco-Prussian war vintage cannon could be found. The piece, although never actually fired, accomodated five inch shells in its menacing twelve-foot barrel, and had been defending the northern border of San Marino from all sorts of invaders for scores of years.

## Round They Go

Calling in its crack engineering platoon, the Flems restored the wheels of the antiquated cannon and released the gun from its concrete moorings over a period of two weeks before the actual invasion. Much of the work took place in a top-secret hideaway, unknown to all but the campus security guards and certain unspecified people in Aero.

With the cannon ready for transport, H-hour was set for 0300 on 8 October 1972. At 0100, General Howell assembled the troops to give them their orders; namely, to report to selected troop carriers at 0200. The troop carriers met their squadrons at widely separated pick-up points, thus totally confusing attempts by spies from other houses to ascertain the goal of the Flems. After transporting the troops behind the lines, the troop carriers returned to base, and the drivers re-embarked in a tank rented for the occasion from the Tool Crib.

## Near Miss

While the tank advanced through the nearly deserted streets, the troops massed at the Southwest Academy athletic field, awaiting orders for the final assault. Just moments before the assault, enemy spies almost caught the advance guard at work, preparing the cannon for transport. Execution of the classic military maneuver known as "hiding behind the bushes" saved the day (or rather, the night).

With the flashing-red-light festooned intruders out of the way, the general assault began. Parties fastened three ropes to the beast, while other parties

jury-rigged an emergency brake system out of wooden blocks.

## Run for the Border

At approximately 0300, the order to move came. Gently persuading the gun over the lawn, down the curb, and into the street proved easy, even though the operation required nearly total silence. Once in the street, the cannon and associated Flems executed a run for the border, three blocks away.

Before any enemy patrols could even be alerted, the Flems were safely across the Pasadena City line, along with their booty. However, some three miles remained before the cannon could be brought to headquarters. Using about 70 manpower, this operation was completed in about an hour.

## Breakfast of Champions

To celebrate the arrival of the gun, which has severely altered the balance of power in inter-

house warfare already, at 0415 Sunday morning, the Flems pointed the infernal contraption at neighboring Page, while chanting a ritual epithet concerning said house. [Ed. Note: This cheer was widely misinterpreted. Most listeners thought that the Flems were commenting on the personal habits of one of their new frosh.] The troops then adjourned to the lounge to breakfast on beer and macadamia nuts.

The engineering division immediately set to work restoring the old masterpiece. First, about 30 coats of paint had to be removed. Then the engineers freed the ancient brake mechanism. However, much work remains: as of this printing, the breech and elevation mechanisms have yet to be cleared for action. When the work is completed, our intelligence reports indicate that parking facilities at the Institute may be expanded considerably.

## Ingersoll Interview

Continued from Page Three

with the Earth's atmosphere, a lot of the fundamental questions are answered already. To a certain extent it's a question of detail. Do it on a bigger computer, get more grid points, or some kind of improvement on something you already have a lot of information on. That's the situation with Earth's atmosphere, and that situation is not quite as challenging or exciting as the situation in which we know nothing at all, and you know that in five or ten years you're going to increase that knowledge by a factor of ten. [Nothing at all times ten equals what? — Ed.] That's exciting. So that's really appealing. Even though we don't know very much, increasing that knowledge by a factor of ten is still exciting. We may not know very much when we're done, but it's the increase that's exciting. But on the other hand, the long-term return to Earth business, which I would sometime like to do, would be to look at the climate of Earth. You see, right now meteorologists are spending a lot of their time on worrying about forecasting weather three days ahead. They'd like to go from a three-day forecast to a one week forecast. That's their goal, now. I think that's a very limited goal. I think the really long-term effects are the ones where no one knows anything right now, and the questions are harder to answer.

## Parent Visitation Scheduled For November 18

by Dennis Mallonee

Parent Visitation Day might be scheduled on the same day as Interhouse this year — November 18, thus blowing the traditional plan of not showing what Caltech is really like. This year, the parents will get to see what rot Techers actually have to live with.

The present schedule calls for registration of parents to take place at 9:30 a.m. at the San Pasqual entrance to Baxter Hall, where coffee will be served (interested students should meet their parents before this time). At 10:00 a.m., there will be a presentation in Ramo Auditorium, where the Deans and members of the faculty, along with a student representative, will tell [i.e., lie] about some academic and student procedures, methods, and customs at the Institute. Around 12:30 p.m., parents will be urged to face an early death and join their sons or daughters in the Student Houses for a Canteen lunch. If a speedy recovery ensues, 1:45 will bring a guided tour of the campus. The parents' program will be wound up between 3:30

There are certainly unanswered questions.

[Ed. Note — *The California Tech* wishes to apologize to Robert H. Dicke for calling him an Albert Dickey in last week's article. Are we forgiven?]

## Living Next Door To Dirty Dave, Or Life In The Co-ops

by Tinkerbelle Darb

Although now in the midst of chaos, it looks like the co-op is going to become a great place to live at Tech — not just a "suitable alternative" to on-campus ticky-tacky boxes.

The three houses on Holliston (290, 297, and 317) are big, good looking, well-kept houses, in contrast with the type of hovel that is usually rented to students who attempt to venture into the cold world of rent-lease and nonexistent credit references.

Each house has at least one fireplace and a real lawn, as well as individual assets such as a natural fish pond (not quite large enough for punsters, but full of lovely gooey algae and unidentified osteichthys), an outdoor barbeque which doubles as a cat or dog shelter, and a court for paddle tennis or whatever it is you do on that size asphalt court with a net and some mysterious cabalic lines. Inside, you will find a magical collection of every type of Techer and beastie you can name: Flems, Darbs, Moles, Phage, Frosh, Seniors, persons of indeterminate year and/or name, straights, bozos, trolls, heads, etc. (The etc. is left for the readers' imagination and the unknown future.)

## Start a Thrift Shop

Somehow, we managed to get a large assortment of random-to-good used furniture for the places from Tech, storage garages, the ex-female grad student house at Chester & Del Mar which is being turned into a day care center, and from the garages, basements and vacated offices of such generous souls as Dirty Dave and Harold Brown, donators of a farout near-antique gas stove and office carpets, respectively. Things are motley but comfortable, and a little

and 5:00 with a Caltech Service League Tea at the Athenaeum. Of course, if any parent wants to stick around for Interhouse — that's his problem.

Students are urged to spend as much time as possible generally visiting, and telling the folks what happens when there aren't as many parents on campus.

more imaginative than dorm decor.

## Test by Dinosaur

It took a helluva lot of work, though, and is still not fully set up. At least four co-op members feel they deserve sixty units of "Hassle 1abc" for their work this summer getting the lease and conditions worked out with the Institute, not to mention dealing with County Assessors and the city's planning board. The students' work also incidentally verified Our Hero's inspired theory: "One cannot deal rationally with dinosaurs." (See Dan O'Neill's Comics & Stories No. 2 for explanation, such as it is!)

Dirty Dave (and that's an affectionate nickname, not a catcall — I was going to call him "Dr. David R. Smith", until I realized that some people wouldn't know who I was talking about) was incredibly helpful and sympathetic (yes, I am a Darb; and no, I am not putting you on), and with Lyman Bonner, who was also a real gem through all of this, battled on our side in the War of the Red Tape staged in the Black Lagoon of Administrative Policy (as in "But those clauses are included in all standard Tech leases . . .")

## Mitosis

But now things are beginning to get settled (I think) and we can even smile now when we hand them the rent check. There is a distinct possibility (even a probability) that we will expand next year, perhaps even fixing up the old President's House on Arden, which would hold around 20-26 people (it really is that big — an entire mansion, with a doghouse *almost* big enough for a frosh single). Aside from the well-known need for more housing at Tech of any type, the co-op provides a fine place to be, at a cost *lower* than on-campus housing — even counting the personal costs of fixing up the place.

Come on up and visit sometime — if it works out as well as it looks like it will, we will need more nucleotides for our anti-dorm-life transcriptase to work with.

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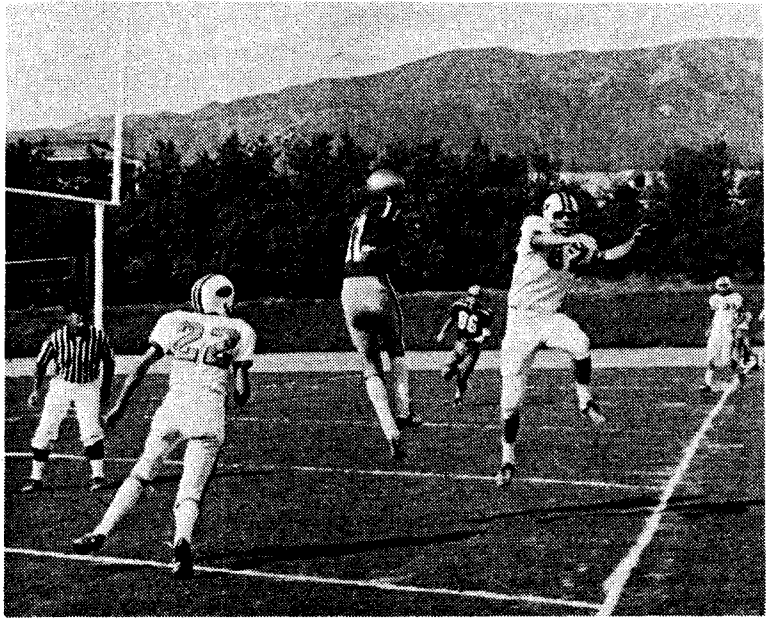
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# TECH Sports



JOHN ELLIS (82) bats down pass intended for CHM receiver (dark jersey) in Tech's endzone Friday, as Greg Hoit (22) watches. Foto by Pheaney.

## First Bonfire Tomorrow??

### Football Team Loses Heartbreaker

**Combined News Sources**  
The Caltech grid team suffered a heartbreaking loss last Friday afternoon as the Claremont-Harvey Mudd jayvees pulled out a last-minute 14-10 win.  
With 25 seconds remaining, the Stags' Steve Schaumleffel threw a pass that was almost intercepted by Tech's Greg Hoit. The ball tipped off Hoit's fingers but was rescued from oblivion by Dave Broughton in a diving catch that made the score 12-10 in

favor of CHM. The two-point conversion was made good on a run.  
At halftime CHM held a 6-0 lead, but it soon fell victim to a touchdown pass to Jack Stemple by Bob Bales. John Rogers' foot gave the Beavers the lead for the first time, and added three more in the fourth quarter with a 19-yard field goal.

**Caltech** ..... 0 0 7 3-10  
**CHM** ..... 0 6 0 8-14

CHM-Casey 19 pass from Cristman (kick failed).  
CT-Stemple 6 pass from Bales (Rogers kick).  
CT-Rogers 19 FG.  
CHM-Broughton 12 pass from Schaumleffel (Robles run).

## Classified Ads

### TRAVEL

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### MISCELLANEOUS

**WANTED: RIDE FROM CLAREMONT.** For Polytechnic student. Morning-arrive @ 8:00 a.m. Gerry Gollin (714) 626-4285.  
**Buying or selling something? You, too, can take out an ad in the California Tech!!! \$1.50 per inch plus 25¢ per extra line for Classifieds.** Bring ad copy to the Tech office, or phone ext. 2154. O.K.?

### Griffin Places Second As Cross Country Team Loses

Caltech's cross country team lost to Pomona last Friday by a score of 20-39. Greg Griffin again ran a strong race, finishing second in a time of 24:39. Pomona's Greg Adams was the winner at 24:19.  
Griffin, who last week led all finishers to the tape in the Beavers' first victory, ran a stronger race this week. His average per mile was approximately four seconds better than in his victorious race against La Verne.  
The Beavers' second-best finisher was Al Kleinsasser, who ran 26:42 in 6th place, followed by 8th place finisher Scott Matthews with a time of 26:59. Both Kleinsasser's and Matthews' times were much improved against Pomona.

Other Caltech finishers were Ralph Hayward in 28:52, Erick Horsley in 32:15 and freshman Jack Bacon in 34:33.  
The entire Caltech team had much improved performances over their double dual meet showings a week earlier. The defeat by Pomona brings the year's record to 1 and 2.

This week the Beavers will go against Claremont-Mudd at Mt. San Antonio Junior College. The Mt. Sac course is the toughest the Beavers will compete on this year - an excellent challenge for the CIT harriers!

#### INTERHOUSE SOFTBALL

FLEMING	11
LLOYD	3
RUDDOCK	7
PAGE	6
BLACKER	4
RICKETTS	3
DABNEY	10
RUDDOCK	9
LLOYD	16
BLACKER	12
PAGE	10
DABNEY	4

### IH Softball Schedule

Thursday	Ricketts	Lloyd	Varsity Diamond
Oct. 12	Ruddock	Fleming	Frosh Diamond
Friday	Page	Blacker	Varsity
Oct. 13	Dabney	Fleming	Frosh
Monday	Fleming	Ricketts	Varsity
Oct. 16	Lloyd	Page	Frosh
Tuesday	Page	Ricketts	Varsity
Oct. 17	Ruddock	Blacker	Frosh
Wednesday	Fleming	Blacker	Varsity
Oct. 18	Lloyd	Dabney	Frosh
Thursday	Page	Fleming	Varsity
Oct. 19	Ricketts	Ruddock	Frosh
Friday	Blacker	Dabney	Varsity
Oct. 20	Lloyd	Ruddock	Frosh
Monday	Ricketts	Dabney	Frosh
Oct. 23			

Home team is listed first. Games start approximately 4:30 p.m.

## Water Polo Places Last In UCR Tournament

**by Bob Kieckhefer**  
The water polo team's two-game winning streak was snapped last weekend, as, for the third year in a row, they finished last in the UC Riverside Tournament. On Friday they lost to Occidental, 10-3, and to Pomona, 8-5. They drove back to Riverside on Saturday only to be beaten by Redlands, 11-1.

The game against Occidental was little short of a rout, as Oxy's second string played most of the game but still scored frequently against Tech's best. Tech's defense was poorer than usual because captain Jim Jakway was suffering from the flu and did not play. Russ Desiderio played well in the losing effort, scoring two goals, with Howard Bubb getting the other.

After a three-hour rest Caltech took on Pomona College. Pomona dominated the first three quarters, and only many fantastic saves by goalie Virgil Shields kept the score to 7-0 at the start of the final period.

**Finally!**  
Tech began working as a team at this time, however, with Desiderio scoring twice and Bubb three times before the final gun. Tech's offense pressured the Pomona defense so well that

they never got their offense in gear during the final quarter, but the come-from-behind drive still fell three goals short.

**Bubb in the Goal?**  
The next morning, with Desiderio and Clyde Scandrett injured and Jakway still sick, Tech was swamped by Redlands. Steve Bitondo's score on a penalty shot was Tech's only tally, and most Techers were in foul trouble and had to play unaggressively. Bubb, with four fouls, made his debut as a goalie in the fourth quarter to keep from fouling out. He is a much better forward.

The results of the tournament do not count in conference standings, and probably do not mean much. (Tech has placed last the past three years, yet had a good team two years ago and a mediocre one last season.) The upcoming games against Pomona and Redlands should be much closer than those last weekend.

**Next Game Saturday**  
Yesterday, the water polo team took on PCC at Tech's Alumni Pool. This Saturday at 10:00 a.m. Cal State LA will be at Tech, if you can imagine getting out of bed that early. SCIAC games will start next Wednesday, with Tech playing at Claremont-Mudd.

## Ye Olde Sports Menu

Friday, October 13			
2:00 p.m.	Football	La Verne jayvees	Home
4:00 p.m.	Cross Country	Claremont-Harvey Mudd	Away
Saturday, October 14			
10:00 a.m.	Water Polo	Cal State Los Angeles	Home
10:30 a.m.	Soccer	Occidental	Away
Tuesday, October 17			
3:00 p.m.	Soccer	Biola	Away
Wednesday, October 18			
4:00 p.m.	Water Polo	Claremont-Harvey Mudd	Away
Friday, October 20			
4:00 p.m.	Cross Country	Whittier	Home
4:00 p.m.	Water Polo	Pomona	Home
Saturday, October 21			
10:00 a.m.	Soccer	Pomona	Home
10:30 a.m.	Water Polo	Alumni	Home
1:30 p.m.	Football	Cal Lutheran frosh	Home
Sunday, October 22			
2:00 p.m.	Frosh	Sophomores	Mudeo

#### SOFTBALL STANDINGS

Fleming	1	0	1.000
Blacker	1	1	.500
Dabney	1	1	.500
Lloyd	1	1	.500
Page	1	1	.500
Ruddock	1	1	.500
Ricketts	0	1	.000

#### Late Sports

SOCCER:	
CALTECH	2
REDLANDS	0
WATER POLO:	
CALTECH	6
P.C.C.	5



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#### A SEMINAR ON POLITICAL COMMUNICATION SPONSORED BY THE CALTECH CHAPTER OF Z.P.G.

1. To be held every Thursday night from 7:30 to 9:00 in the Winnett Student Center, Clubroom 1, starting on Oct. 12.
2. Discussion leader will be David A. Ehrenfeld with occasional guest speakers.
3. Group size will be limited to ten, except for the first session.
4. To sign up, contact Karl Bell at 795-6841, ext. 1383.
5. Cost \$10 for members of Caltech (All proceeds go to Z.P.G.) \$20 for all others  
First two sessions are free!

# News Briefs

**Continued from Page One**  
serve for the coming year. At the meeting, in the Y lounge, we will also determine the time and place we will hold Hebrew language classes (for any interested member of the Caltech community), and plan future events.

**Bookstore Extends Hours**  
The Caltech Bookstore's hours will be extended to 5:30 p.m. for a trial period beginning Monday, October 16 and extending through the first term. The Bookstore will continue to open at 8:15 a.m.

**Photog Meeting**  
There will be a meeting of all *California Tech* and *Big T* photo trolls this afternoon at 4:40 in 128 Baxter. Anyone who does not attend or contact Ray Feeney will be ineligible to use the publication darkroom.

**Math Club Meets Tonight**  
Tonight at 8 p.m. in Sloan Lounge, the Math Club will hold its first meeting of the year. Club president Bruce Resnick will talk on "What you have to do twice in order to sin—a loving look at a functional equation." Only *basic* calculus is required—all are invited. Refreshments will be served.

**Personal Growth Workshops**  
The Claremont Colleges Counseling Center is arranging a series of workshops to provide opportunities for personal development. The first, "The Humanist in the Classroom," will be held this weekend and is limited to 16 persons.  
Barbara Biggs, who received her Ph.D. in clinical psychology from UCLA, will host a weekend of personal growth experiences designed to explore the relationship between humanistic psychology and education. Gestalt, guided fantasy, role playing and encounter techniques will be included, together with ample time for discussion.  
Cost of the two-day workshop is \$20.00. The Saturday session lasts from 10 a.m. to 10 p.m. and Sunday's session from 10 a.m. to 4 p.m. To register, contact the Counseling Center, 735 Dartmouth, Claremont, Cal-

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**Glee For Women**  
A women's glee club is being organized at Caltech by Monica Roegler, who will recruit the all-girl singing group from the ranks of approximately 80 undergraduate and 40 graduate student women enrolled.  
Director Olaf Frodsham of the Caltech Glee Club believes the new women's glee club will help him recruit for the men's singing group.  
"It's going to make recruiting a breeze," he claimed. "After all, the two groups will often be singing and touring in combination!"  
Mrs. Roegler will also conduct glee club tryouts for both sexes, and will teach voice. She is widely known for her work in music. She received her BA and MA degrees in music from Occidental College and is an accomplished pianist, organist, and singer.

**Parks and Recreation Strikes Again!**  
The California Department of Parks and Recreation has again overstepped its authority and begun an 18-month study which it claims relates to the use of off-highway vehicles in California. In actuality, the study will examine the "current circumstances surrounding the use of these vehicles, the needs and desires of their users and of non-users, and appraise the responsibility of the state in the stewardship of its land and other resources which are affected by off-highway vehicle use."  
The Department asks any interested parties to attend the meetings scheduled for November 9 in the council chambers of the Pasadena City Hall (Room 242, 100 N. Garfield Avenue). Scheduled times are as follows: 10 a.m.-12 noon, 1:30 p.m.-5:30

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# BOD Meeting

**Continued from Page One**  
out there come in with your requests by next Tuesday's meeting, when hopefully, with the figures in hand, the all-wise BOD shall dole out its gifts to those deserving among you...  
And now the continuing saga of the "Gung-ho" frosh, H. p.m., and 7:30 p.m.-9:30 p.m. At these meetings suggestions will be invited and generally ignored—but who knows... maybe you'll be one of the lucky ones.

**Scuba Diving, Anyone?**  
The Scuba Club has scheduled another day/night drive to Santa Cruz Island aboard the *Sea Packer* on Thursday, November 16. Since space is limited, only 16 divers will be allowed on this trip; sign up early to reserve a space. The cost is only \$10 a person (\$4 cheaper than any dive shop). Sign up with Kathy Ellison (ext. 1801) in the basement of Steele.

Because of high surf the beach dive last Sunday was cancelled. This Sunday, October 15 at 9:00 a.m., another attempt to dive at Doheny Beach will be made. To get there, go south on the Santa Ana or San Diego Freeway. Just past San Juan Capistrano, get off on Pacific Coast Highway and go back north about half a mile. There will be signs for Doheny Beach. Drive north (don't go into the State Beach), past the marina to the parking lot at the far north end of the road. Driving time is about 1½ hours. As usual, after the dive the club will provide beer and wine.

Dickerman: In this week's episode — in a rare personal appearance at the BOD meeting, Dickerman unveiled his plot: Seeing as how it has proved difficult in the past to induce Scrippsies to come to Tech, this time Tech shall go to the Scrippsies. Obsessed with the idea of alcohol, as are many Techers, Dickerman began speaking of \$150-200 worth of beer, wine, and other pleasing substances. Caught up in the wave of enthusiasm the BOD quickly began figuring: Hmmm — 9 ½ kegs @ \$30 each would amke 1¼ quarts per person at a cost of . . . . . At any rate, hearing no objection, Morin put the BOD on record as saying that a party was a good idea, and sent Howie off looking for bands, beer, and the Scripps Social Chairman's meeting. Watch out for the 21st of this month...  
ASCIT will be sponsoring a TGIF in the lounge from 4:00 — 6:00 after the football game, before dinner, or whatever. Beer, music, and a good time...  
That being all, the Bod disbanded for another week at 5:25, leaving all those present with boggled minds and happy hearts.

# Health Center

**Continued from Page One**  
given to any emergency situation on a 24-hour basis.  
In addition, we are happy to announce that Dr. Gillian McClure will be with us again this year to supplement the gynecological services already provided by Dr. Ketabgian. Dr. McClure's services are available to all to all female Caltech students; all those wishing an appointment with her should contact the Health Center receptionist.

# Record Review

**Continued from Page Five**  
"Hold Your Head Up", the piece you've undoubtedly heard on AM radio, and wondered if E. Power Biggs had finally made it with rock after all. There seems to be a desperate attempt to be HEAVY throughout the whole thing and it really doesn't come off very well. On "Keep on Rollin'," bassist Jim Rodford gets his licks in with some nice background work behind Argent's poor attempt at honky tonk. "Tragedy" is probably the best song on the album. The guitar and organ get tight for the first time, and there is a good feeling of letting go, which is a relief from the rest of the album's stolid changelessness. I'd give it a ninety because it has a good beat and you can dance to it. The last cut on the first side is pure corn: more heavyness which fails miserably.  
It is on the second side that the parallel with Iron Butterfly becomes more apparent. "Be My Lover, Be My Friend" could easily have been a reject from *Ball*. "He's a Dynamo" is pure garbage in the unforgettable Alvin Lee tradition. The last cut, "Pure Love", moves in places and sticks in others. It consists of four movements, three of organ by Argent and one of Cream imitation, with Russ Ballard doing a decent copy of Clapton's work on *Crossroads*.  
The album comes with rather silly individual bits on "the boys". Sample: "Jim is a worrier... It's probably a good thing, though, as at least two others in the band never seem to know what's going on."  
How true.

WOW!

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