

"I don't believe  
my ears, Captain!"

# The CALIFORNIA Tech

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"I don't believe  
your ears either,  
Mr. Spock."

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Number 26

## John Gardner To Speak At Planning Conference

John Gardner, chairman and prime mover of the national public interest lobbying organization Common Cause, will be keynote speaker at the annual conference of the Planning and Conservation League (PCL) at Beckman Auditorium Saturday, May 6. PCL, a California-wide organization which has pioneered in bringing professional lobbying tactics to bear on state legislation for environmental protection, will bring together legislators and leading environmentalists in panel discussions on conservation issues pending in Sacramento.

The conference, entitled "Design for Public Lobbying," will also cover PCL's legislative strategy for the coming year under its new president David Hirsch. Separate panel discussions will provide in-depth background on the top-priority issues.

### Issues and

Assemblyman Alan Sieroty of Beverly Hills, Senator James Q. Wedworth of Inglewood, and Mrs. Janet Adams, executive director of the California Coastal Alliance, will discuss this year's prospects for a bill to protect California's threatened coastline.

A similar issue, that of preservation of northern California's wild rivers, will be discussed by Senator Peter H. Behr of San Rafael, Richard May, acting chairman of the Committee of Two Million, Barry Reder, PCL vice president, and Alfred Wilkins, PCL board member.

Advance registration is \$5 (including lunch) and \$2 for students (not including lunch). Checks should be sent to Planning and Conservation League, 909 Twelfth Street, Sacramento, California 95814.

## News Briefs

# Leonard Nimoy To Speak At Tech

Leonard Nimoy, *Star Trek's* Vulcan Science Officer, a character well-beloved by many Techers, will be on campus tomorrow (Friday) to give an Olive Walk Talk in support of Senator George McGovern's Presidential campaign. Nimoy is one of many media stars who are supporting McGovern.

### VALERON???

#### Where's that?

Totem sign-up sheets are out. If you want a copy (free to ASCIT members) sign up on one of them. It's later than you think.

### More Campaign 72 Movies to Screen

The "Shirley Chisholm" Film Festival, featuring *A Thousand Clowns*, *Salt of the Earth*, *Harriet Tubman*, and a surprise



The Dabney House Band, shown performing on Winnett Plaza, will appear at Sequoyah School's Spring Thing this weekend. To learn more about this interesting arts and crafts fair, read our article on page six.

## Frosh Reorientation *ASCIT of Hugg*

### This Saturday

### In Dabney Lounge

by Claude Anderson

Sandwiched between the deadline for freshman option choices and preregistration for the fall term will be "Freshman Orientation — Part II" this Saturday. This program will feature your favorite professors, a chance to tell the administration what's wrong, and most important, Stottlemeyers sandwiches.

The Caltech Y/Lyman Bonner sponsored get-together begins at 11:00 a.m. in Dabney Lounge, where a faculty member from each division will speak on what his division offers the Caltech student. At 12:15, there will be a free lunch, with discussion groups concerning choice of options, gripes, etc. This will be a time to hear and be heard by interested faculty, administration, and upperclassmen.

Action groups to follow up the gripe sessions will meet at 2:00, and the program will

## Winnett To Be Locked

by Jim Hugg  
ASCIT Secretary

The newly appointed Coordinator of Student Affairs, Richard A. Hertz, Assistant Professor of Philosophy, has announced that students are welcome to visit him in his office (331c Baxter) or to leave a message with Louise Hood in the Winnett office to register a complaint or suggestion about student affairs.

The ASCIT Excom has proposed several changes to the Bylaws, such as deleting sections

officially end at 3:00. There will be parties at the homes of faculty members in the evening; details of these will be announced Saturday.

Upperclassmen, if you would like to come to talk to the frosh, please do so. Everyone who plans to attend should sign up with his R.A. today, so that lunch may be ordered.

# Heart Attack, Drowning In Alumni Pool

by Ted Michon

Tragedy struck last weekend at the Alumni pool when a San Marino lawyer, William Woodward, died as a result of a coronary occlusion while swimming. He was pronounced dead on arrival at Huntington Hospital. The incident occurred at 4:00 p.m. Sunday when Woodward, who was a guest of coach Warren Emery, apparently suffered a heart attack while floating in the pool.

Woodward, according to

Emery, was a competent swimmer and there was no sign that he was in trouble until Reginald Spear, who was in the pool at the time, noticed that Woodward's face was below water. Spear quickly removed Woodward from the water with the assistance of lifeguards Steve Bitondo of Ricketts and Jim Price of Fleming. Bitondo administered mouth to mouth resuscitation and members of the emergency unit of the Huntington Hospital attempted external heart massage when they arrived but none were successful.

The coroner's report the following day established that heart failure was the primary cause of death and not drowning as had first been assumed. According to Emery, this was the first fatality connected with the Alumni Pool since it opened in 1955.

## Stereos Stolen From Baxter

by Phil Neches

Over \$1100 worth of stereo equipment disappeared from the listening rooms in the basement of Baxter Hall early last Friday morning. According to Security Supervisor John Elliott two stereo cassette tape systems and two stereo music systems, as well as several sets of headphones were "forcibly removed." The audio equipment had been fastened down.

Two speakers valued at \$200 were stolen from room 125 Baxter [the audio-video room] early this Tuesday night, also.

Elliott noted that thefts of this type are increasing all over campus. He urged all those with radios, digital clock-radios, stereo sets and the like to take extra precautions to secure these easily-stolen items.

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## In The Days Of Old...



Techers seldom get excited, but the announced cancellation of *Star Trek* in 1968 caused them to march en masse on NBC Studios. Tomorrow Leonard Nimoy, *Star Trek's* Mr. Spock, will come to campus for a far different reason — to speak on behalf of Presidential candidate George McGovern.

### Chem 6

#### Strikes Again

Next Monday, May 1 at 4:00 p.m. in 153 Noyes, Chem 6 features a presentation by Art Ellis and Doug Hounshell. Entitled "Better Living Through Chemistry: How to Intimidate Your Neighbor," the seminar will explore some of the more anti-social aspects of practical chemistry.

### Get Yourself A Dirty Deal

Effective immediately, student discount tickets for "The Dirtiest

Show in Town," now playing at Hollywood's Ivar Theatre, will go on sale one half-hour before each performance of the hit play.

Students can now receive a discount of \$1.50 on any reserved-seat ticket purchased at the box office. Regular ticket prices are \$4.50—\$7.50 at all Mutual, Liberty and Paramount ticket agencies, Wallich Music City stores, the Southern California Music Company and at the Ivar Theatre, 1605 North Ivar (telephone 464-7121).

### How Do You Snake for A Karate Test?

Shotokan Karate will hold its 7th semi-annual ranking test Friday, April 28, in the gym from 3:00 to 4:00. This is the last official level test for another six months, so all prospective

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## Editorial

## Camp Off-Campus!

Contrary to popular rumor, freshmen orientation will not be held on campus next year. While the Pasadena location would have save the Institute about \$3,000 (just over one student's tuition next year, or about \$10 per orientation-participant), it is undesirable for various reasons. Meeting last week, the Freshmen Orientation Committee has decided to look into ways of financing a return to Catalina.

We believe that this is a wise move. One of the purposes of frosh camp is to break the news, as gently as possible, to the incoming freshmen that he is now competing with students of his own caliber, or higher. To try to do this at Caltech, where the very air reeks of academics, is folly. What could be more anesthetic to the snake-to-be, than to see a sparkling blue sea or a green hillside, just waiting for the conclusion of the warning message?

For those new frosh who spent all summer working, it's a two-day vacation between the rigors of work and the demands of education. With sessions short and the speeches shorter, there's time left to relax, which most frosh won't do again (to a great extent) until Christmas break. The temptations of skipping a session are at a minimum. At Catalina, for example, there were two places to go: out and up. Once you went out/up, the only other place to go was back. The wonders of Tech [and Food Service] and the greater Los Angeles area would prove to be a large temptation.

Tradition also plays a part. For untold numbers of years each new group of Techers-to-be appeared at Camp Radford and were told What All Freshmen Should Know. Now that Radford is no more, Catalina's Camp Fox is an excellent choice for a successor. One often-raised suggestion in the past was to move frosh camp to a beach site. Camp Fox offers not only a beach (ocean included) but surrounding hills and a reasonably flat field for various sports.

Since finances seem to be the only obstacle, why not charge everyone—say, ten dollars—for the weekend? We hope that this solution will be used only as a last resort. Money is tight around the Institute these days, and there's no guarantee that things won't get tighter. If we need more than 3K in '73, would we then raise the cost to twenty dollars apiece? One of the pleasanter feelings during camp is knowing that if you paid for it somewhere, you sure don't know how. It would certainly not be preferable—though not unprecedented—to make the participants pay for a required orientation.

Sure, freshmen orientation *could* be held on campus, or *could* be held elsewhere with a fee attached. But we would not like to see it. Somehow, Frosh Camp just wouldn't be the same.

—Gavin D. Claypool  
Peter W. Beckman  
Jeffrey J. Mallory

## the caltech forum

Editor  
California Tech

In the past two issues of the Tech, there have been at least three instances in which Miss Goldfarb has taken advantage of her position on the Tech staff to respond to letters in The Caltech Forum immediately following the letter, instead of waiting a week as all other correspondents must. Having had a letter delayed from appearing in the Tech because of "lack of space," we consider this to be in blatant disregard of fair play. We would ask, therefore, that Miss Goldfarb's comments on a letter not be allowed to appear in the same issue as the attacked letter, unless either this same privilege [sic] is extended to all readers, or Miss Goldfarb is elected co-editor.

—Gregory Sharp  
John Ellis  
Page House

Dear Sirs:

Do we have to have a running commentary, by a certain member of your staff, on letters to the Forum? Such personal self-pity (whether or not it can be justified), which in itself is not very constructive, would be more appropriate in an editorial column or in a legitimate letter to the Forum (at which this person, in being on the staff of the Tech, would have the advantage of a unilateral rebuttal). [Any personal commentary on this letter should be in an editorial, etc.]

D. P. Dialynas  
Ricketts House

[Ed. Note—In the past, replies to letters not yet published have been accepted as a manner of course, due somewhat to our rather loose operation and open-door policy. This, however, has not been a staff-only "privilege"; for example, see Ray Spears' reply in the February 10 issue. The consensus of the readership appears in favor of limiting such a prerogative to the editors-in-chief, and we shall endeavour to do so.

(Messrs. Ellis and Sharp, we're sorry your earlier letter was delayed, and hope that you won't feel persecuted because of it.)

Dear Editors:

I believe you will find Miss Goldfarb is mistaken. The U.S. Government generally recognizes three separate races in their statistical handling of population data—Caucasian, Oriental, and Negroid. Your confusion, I believe, arose because efforts are currently being wagged [sic] to also include American Indian and Mexican American as separate categories. These groups are in most—though not all—government reports classed as "white" or Caucasian at present.

—Dana Powers  
Noyes

Dear Sirs,

Regarding Engel Klaushart's letter stating that persecution has helped the Jews, I should like to point out that only one kind of "persecution" could have helped the Jews: the policies that forced the Jews to live in isolation free from the corrupting influence of inferior Europeans (not to mention North Africans and South-west Asians), until the latter had matured enough to compete with Jews at an equal level.

—Morris M. Berman  
Ricketts House

Dear Editors,

During my freshman year here, I have been most impressed by the way the honor system is more than something to talk about as at other schools — it works here. But because we can trust one another, we automatically leave ourselves open to attack from outsiders who are not so trustworthy. It is with much concern for the future of this trusting atmosphere that I view last week's rip-off of \$1200 worth of stereo equipment from the listening rooms in Baxter.

Dr. Huttenback has informed me that the equipment will be

replaced soon, and a better way of bolting it down is being studied. The rooms will be locked, with keys issued to students who want them.

But no matter what precautions are taken, this and other property which is enjoyed by the campus cannot be protected unless everyone cooperates to protect it. We have a great campus security police, but they cannot possibly keep a close watch on this whole place without your help and mine. The most important things are that we do not loan our keys to outsiders and that we report people who do not belong here.

—Claude Anderson  
Ruddock House

Editor,

I am a serious candidate for President of the USA. Please give your readers a chance to write me. Thank you.

—John J. Desmond, Jr. 19491  
Cell 4A2

[Ed. Note — The following letter was received with the letter that appears above. We have included it for the benefit of any readers interested in replying.]

The attached letter was placed in our Prisoners Mail Box for forwarding to you. The letter has

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Editors-in-Chief: Peter W. Beckman, Gavin D. Claypool, Jeffrey J. Mallory.  
Associate Editor: Philip M. Neches.  
Entertainment Editor: Nick Smith.  
Features Editor: Ed Schroeder.

Staff ..... Claude Anderson, Val Catanzarite, Tinkerbelle Darb, Jim Hugg, Bob Kieckhefer, Philip Massey, Ted Michon, Etaoin Schroedlu, millikan troll.

Photographers ..... A. J. Owens

Business Manager: Marvin Mandelbaum.

Circulation Manager: Rob Olshan.

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## PRETTY MAIDS ALL IN A ROW

## FRANKLY SPEAKING

by Phil Frank



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## Down the Tubes

### Publicity - It Helps

by Etaoin Schroedlu

Those of you who follow the newspapers have probably noted a new use for science: publicity value. Alan Stein, the Techer who discovered Stein waves, has been fighting his draft-refusal case with the aid of national coverage by at least one wire service, and many people from around the country have reported that the stories have come to their attention (even though Dr. Zirin seems to get a lot of the ink). I fail to see entirely why Stein's accidental celebrity makes his draft case better or more interesting, but the important thing is that Stein is standing up for what he believes in, and I heartily applaud him, as well as the many others who have struggled similarly in obscurity.

#### Mayday!

It's about that time of year when courses for 1972-3 are being digested and spewed forth around campus. As a May Day public service, we present a few ideas to be taken into consideration:

1) This school's biggest need for a single course is a basic, full-year IS course to cover basic Fortran programming, systems work, and the like, on a far larger scale and with more resources than the current IS 10. I suspect that large numbers of incoming frosh would sign up for such a course. (When IS 10 was created in 1969, an engineering prof told me that there was no demand for it. I replied, "Almost 100 students signed up indicates no demand? What would you consider a large demand to be?")

2) We need more courses in philosophy, psychology, sociology and education; let's start looking now for some additional people in these fields.

3) When baseball players retire after long and distinguished careers, their uniform numbers are retired forever. Dr. D. S. Clark is retiring soon. We feel that his course, E 10, should be similarly retired.

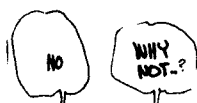
4) We support Dr. Huttenback's proposal that Humanities abolish its 108 units requirement if physics and math abolish their two-year course sequence requirements. We also believe that the time has long since come for giving credit toward those 108 units for *any* course taken in any Humanities subject. If a course is offered in the first place, it ought to be 'good' enough to be worth Humanities credit.

5) *Abolish the P.E. requirement!*

#### So They Tell Me Dept.

Dr. Miller reports that the Admission Committee accepted around 330 applicants this year for the Class of '76. Not enough replies have yet been forthcoming to tell how many will come. The number may be as high as 215 or so, the Admissions Office's target level, or as low as under 200. In the latter case, some waiting list applicants may be offered admission...

Calling all frosh: Don't forget to be oriented this weekend! Your gripes may be heard, and various get-togethers will occur Saturday evening at the homes of willing faculty members. The session is from 11:00 a.m. to mid-afternoon sometime, will include lunch, and is in Dabney Lounge and Garden. Come hear about what the people in various options are *really* doing.



## more forum

Continued from Page Two

been neither opened nor inspected. If the writer raises a problem over which this institution or the Bureau of Prisons has jurisdiction, you may wish to write to me or to the Director, Bureau of Prisons, Department of Justice, Washington, D. C. 20537.

You may write back to the inmate, and ask him questions. Your letter will be inspected for contraband, and for any content which would incite illegal conduct.

Inmates may not receive compensation for material submitted to the media. If the person writing you names another inmate or a staff member in his correspondence, we request that you advise us of that fact before its publication. We will provide background information and specific comments whenever possible.

—L. E. Daggett  
Warden

U.S. Penitentiary  
McNeil Island, Wash.

### Roma's Moving

By Marvin R. Mandelbaum

Before you read this, you'd better sit down. After twelve years of serving the insatiable appetites of Techers, Roma Gardens is moving!

But don't faint yet. They are only moving a block away, to 1076 E. Colorado at Wilson.

The move, which will occur around May 15, is not merely to give Techers an extra block to walk to work up an appetite. Their present location, besides being a rather old building, is (as you may have noticed at times) too small. In addition, their lease has run out, making it advantageous for them to move at this time.

So, if you don't think you can make the longer walk, get your pizzas now!

## Reporter's Notebook

### Listening Room Rip-Off

by millikan j troll

In light of the disappearance of the audio equipment from the listening rooms in Baxter, a few changes will be made when replacement equipment is obtained. First, the rooms will be locked. Second, a deposit will be required to get a key. And third, key-holders will be urged to not give out their keys at random.

The recently-absconded with equipment was not insured. According to Dr. Huttenback, there will be money to replace the systems now, but not if they are stolen again. (For more details on the theft, check the story elsewhere in this issue.)

#### ASCIT Happenings

The BOD seems to be serious about organizing a push for a contract system at Caltech. The proposal envisions a fairly structured freshman year, similar to what currently exists, but with the last three years' program arranged between each student and a committee of three faculty. In many respects, the plan would be similar to the Independent Studies Program, in that students could contract to take courses or research units in a variety of combinations and manners.

If sufficient student support can be mustered, the BOD hopes to bring the matter up at the faculty meeting in June. Although prospects for such rapid passage of such a measure seem exceedingly small, at least a drive for change would lay the groundwork for more efforts either over the summer or next year.

#### BODies Needed

Russ McDuff and Sharon Spivak currently provide most of the ambition and time being expended on this project. If it interests you, get in touch with either of them (or stop by the ASCIT office now located downstairs opposite Louise Hood's office). At all odds, more developments on this front are indicated.

In other action, the BOD censured its elections chairman for throwing out the ballots from the recent referendum on ASCIT candidate filing fees. Don't worry: the BOD lost anyhow.

#### The Art Front

Another in the series of Caltech art shows will open this afternoon in the Baxter Gallery. Work done by Caltech's artist-in-residence Lukas van Vuuren here and at JPL will be shown through June.

In other developments on the art front, the Throop Site committee seeks suggestions for relocating Apollo. Serious suggestions should be directed to any member of the committee (the undergraduate representative is Joe Morin). Non-serious suggestions should be directed to any editor of the *California Tech*, as the HOT ThRoBblnG RIVET is only five weeks away.

#### Rumors and Such

Our spies tell us that the list of new courses for next year will be rich in Political Science,

Continued on Page Seven

### Magic Mountain Has Job Openings

Job opportunities for approximately 1,000 young adults today by Magic Mountain, Southern California's family amusement/entertainment center in Valencia.

The park, located 35 miles north of the Los Angeles Civic Center, is currently interviewing for a wide variety of positions. The ideal applicant, in addition to having passed his or her 18th birthday, should be available to work as of May 22 during the week as well as on weekends.

Positions to be filled in the next few weeks include ride operators, guest relations, entertainment, housekeeping and sales personnel and food service personnel.

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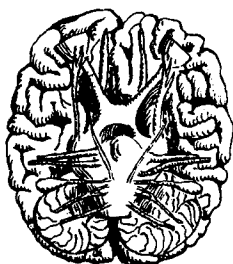
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# from the cerebrum

by Etaoin Schroedlu

Two weeks ago I wrote a column on Academic Freedom and Caltech, which noted, among other things, that financial constraints act to the detriment of academic freedom. Herein I shall discuss a few instances of the effects that financial considerations have had on the broad outlines of Caltech and its work.

It is surely no secret that money, and lots of it, is necessary to the running of even a 'small' university, such as Caltech. Money to buy books and literature, to pay professors and employees (as of a few years ago, Tech had more employees than students and faculty put together), to build new buildings and pay for the upkeep of old ones, to buy research and experimental apparatus, and so on, *ad infinitum*.

## Money Is the Root of...

It may surprise some to hear that even the fabled Caltech genius has not yet developed a 'money tree'; we have to grub around for funds just the same as everyone else. The major result of this is that we find ourselves noticeably dependent on those people and organizations that have money, and might be willing to give us some, such as trustees, corporations, and, in particular, the Federal Government. The American system being one in which everyone is expected to be intent on making more money and defending money already possessed, it stands to reason that our potential donors frequently defend the *status quo*, and at least have their own axe to grind. At any rate, we cannot assume our donors to be acting more in the public interest than others.

What is gained in the relations of the University to these groups is wealth, prestige, and position. What is lost is self-determination and the traditional role of the University as the conscience of society.

## All Science?

Consider Caltech. Our records of honesty seems to be very good: we are internally freer than most universities; we re-

ceive, as one professor put it, "less than ten percent of our budget from the Department of Defense," while M.I.T., for one, is listed as a major Defense contractor; the presence of oil money, for instance, on our Board of Trustees does not seem to affect the work of the anti-pollution people already here.

On the other hand, we can't help but wonder what Caltech would be able to do if our hiring policies weren't so completely determined by the money made available to us by outside forces. Caltech is very definitely affected over the long run by what subjects get funded and what don't. Certainly one cannot but be cynical about Caltech's recent scrambling to enter the lucrative environmental and social science fields, and the ill-concealed glee over the booming interest in seismology and engineering as a result of the February 1971 earthquake. These fields may be better for us to work in than the alternatives we might have had (which include the alternative of *no* fields), but that decision was primarily made *for* us, not *by* us. Such is the state of the University as Conscience.

## Guns or Butter?

In most of the new fields into which Caltech is expanding, we may expect to devise competent, perhaps superb, programs. EQL is an experiment, not in our previous line, which, as it happens, stands to have substantial social value. So far we have been fortunate in the decisions made for us. (In fact, EQL was a conscience forced on us; when the idea for EQL was first brought up several years ago,

only two Caltech professors were willing to commit themselves to substantial time spent working on it. After the money, we must presume, came the interest. Perhaps it's as well if we don't pretend to be a Conscience that we're not.)

In the social science graduate program, recently approved, we may expect to have a poor program. Science and technology are only a part of the social science sphere, and our idea of a generalist program (itself a laudable idea) based on the miniscule number of social science faculty here, seems doomed to produce mal-educated students, *especially* if, as Caltech hopes, Caltech undergrads will enter the program as grad students. A recent *Tech* editorial informed us that Caltech now may expect to train the nation's administrators as well as its scientists and engineers. This was presented as an inspiring thought. I am more inclined to regard it with apprehension, if not worse.

It's not clear what the motives for this program were, presumably partly to staff EQL (one undergrad Techer, on reading the prospectus on the program, commented, "They don't want grad students, they want data reducers."). In any case, it seems to me that the program could better concentrate on bringing in some good post-docs (it's a buyer's market for them these days) and de-emphasizing the grad program until substantially more resources have been made available for social scientists here. If Caltech undergrads can't find enough psychology or anthropology or sociology (which?) here, how could grad students? If we want technologists, let's call them that, instead of social scientists, lest we confuse potential applicants, to the detriment of all.

## Greasy Guns

Most University people these days have let control of their work pass beyond them. If money is available to stop

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## SILVER SCREENING

by Etaoin Schroedlu

It's that time of year when every theater in town has Academy nominees and winners coming out of their ears. Even so, the Esquire's *The French Connection* is usually loaded with Oscars: best pic, best actor, best director, best screenplay, and best film editing. It didn't deserve all of them, especially not the latter one, but there were some outstanding performances. Gene Hackman earned his Oscar as the bulldog, trigger-tempered, heavy-drinking narcotics cop; his chase scene is a classic. He received more than adequate backup from the rest of the cast. The violence scenes, with the great exception of the chase scene, were aimless and perhaps unnecessary, but the audience is kept guessing who will win in the end — kept guessing all the way to the end, in fact.

For those of you who enjoy mixing modes, there is an

intriguing double feature at the Academy Theater (Colorado at Catalina) which their box office told me was being held over into this week.

The lead feature is *The Hospital*, with George C. Scott. As the advertising indicates, this movie is a farce, primarily directed at the mind-numbing absurdities and inefficiencies in modern hospitals. The humor is second-rate, but George C. Scott's Oscar-nomination performance is excellent (George C. Scott's performances are *always* excellent), and the movie also features Diana Rigg (of *On Her Majesty's Secret Service* and elsewhere).

Scott = B.'s P.?

The second feature, *Sunday Bloody Sunday*, should have been the first one; it was a very good movie, and excellent in places. (Incidentally, the 'Bloody' in the title is the British meaning; this isn't an American

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**GLEE**

## Think Tank

### Improve the Undergrad Program

by Jim Hugg

(First of a series of hopefully constructive critiques of varied topics.)

The present undergraduate operation at Caltech could be considerably improved. Some of our most outstanding deficiencies include:

(i) Too little advantage is taken of the undergraduate's intelligence and curiosity in the planning of curricula and educational philosophy;

(ii) Option and Institute requirements have inadequate flexibility to accommodate differences between students and place unrealistic academic burdens on many students;

(iii) The traditional, paternalistic system of instruction employed in most courses is generally unresponsive to the intellectual excitement and eagerness to learn which the student brings to Caltech. It produces frustration and apathy in many students and is one of the reasons that our attrition rate is larger than is desirable.

#### Experimentation Is

Experimentation with our undergraduate instruction should be the rule rather than the exception. Our small size and large faculty-to-student ratio provides a unique and valuable opportunity to conduct experiments in education. Our successes are quickly copied by other schools which improves the quality of education provided by colleges which feed our graduate school.

The Caltech undergraduate is exceptionally responsible and trustworthy. A representative testimony was given in an interview with Abraham Kaplan, Professor of Philosophy at Michigan University, who in 1967 visited Caltech as a "Y" Leader of America. He was asked: "What kind of person do you see as the typical Caltech undergraduate?"

#### A Maturing Thought

Kaplan: "They're the most intellectually mature undergraduates I've ever known. They

are also by and large, I think, the brightest that I've known anywhere, but that's a different factor. Usually I am able to identify a student's class and even his semester fairly well. Here whenever I think someone is a senior, he's a freshman, and when I think he's a member of the faculty, he may be just a junior. So there's a certain intellectual maturity, a self-possession that I find most extraordinary and most valuable."

Certainly this type of student should control a major portion of the planning of his curricula and the educational philosophy under which he must labor.

#### Inertia Makes for

But the Institute has a large inertia for its small size: there is a reluctance on the part of our faculty to admit the intellectual maturity of our students. For example, several science professors at the April Faculty Board meeting asked gentle, but prodding questions about the heavily structured Institute Humanities requirements. A representative of the Humanities and Social Sciences Department described this structuring as essential to an educational philosophy in which the undergraduate is not wise enough to select courses which tend to round out his education.

This humanist denied not only the intellectual maturity of the Caltech undergraduate but also, by implication, the wisdom of those men who serve as option advisors. There is a serious flaw in that philosophy which stems from its denial of reality. The Caltech undergraduate should have an integral part in the curricula planning and in examining the fallacies of our present educational philosophy.

#### Tensor Moments

Much greater flexibility in the undergraduate curriculum is needed. Institute and option requirements are much too rigid and stultifying for the general student. Individual options should offer several alternative

## Beckman to Be O'er the Bounding C Epicenter for Fiesta Mexicana

by Jeff Mallory

Beckman Auditorium is the epicenter for the *Fiesta Mexicana* and its swirling, colorful troupe of dancers, singers, and other purveyors of the music of Old and New Mexico, who are expected to hit tomorrow, April 28, around 8:30 p.m. Under the direction of Javier de Leon, the *Fiesta* will devastate anyone brave enough to come with a variety of songs and dances from pre-Hispanic and Mayan civilizations to modern folk songs. Insurance premiums can be bought at the door for \$6.00, \$5.00, and \$4.00, with a Techer special of \$2.50.

Also speaking of earthquakes and such will be Dr. Nicholas Tschoegl, one of our very own Chem E's, and their relation to Atlantis in his *Caltech Lecture Series* talk Monday night. Following the rumors of centuries and uprooting the myths and legends of that sunken land, the history and the present consensus of such an island existing are explored and discussed. The lecture is free and starts in

Continued on Page Seven

means for satisfying their requirements. The common freshman year should no longer be considered essential for all students. The academic requirements in the first two years should be diversified to accommodate a wider range of student preferences and abilities. Less structured option requirements and much more flexibility in acceptable progress rates and scholarship policies will aid in developing the true potentials of a diverse and talented undergraduate student body.

But before anything can be done to add flexibility to a system which now produces tension and frustration, that large inertia of the Institute faculty must be overcome. Another example from that April Faculty Board meeting is the answer given by a representative of the Geology and Planetary Sciences

Continued on Page Six

by Claude Anderson

The ASCIT musical is alive and sailing. With three more weeks before curtain time, *H.M.S. Pinafore* is rapidly becoming "ship-shape." Indications are that the production will really make waves in Ramo Auditorium on May 19 and 20.

The Gilbert and Sullivan musical is the story of Josephine, the daughter of Captain Corcoran, who commands the *H.M.S. Pinafore*. She is engaged, much to her dismay, to Sir Joseph Porter, the king's brother-in-law. But she loves Ralph, a seaman on her father's ship. The plot revolves around the complications which develop from the situation.

The musical is produced by

Greg Simay and directed by Kent Nakamoto and Bruce McLaughlin. Musical, technical, and choreographic direction are done by Tim Erickson, Norm Pendegraft, and Kathleen Ward, respectively. Barbara Albinski is the vocal coach and Dr. William Cozart is the faculty advisor.

Filling the major roles are Bruce McLaughlin as Sir Joseph Porter, Wendy Wright-Dirkson as Josephine, Dave Wellman as Ralph Rackstraw, Steve Aley as Captain Corcoran, and K. Jeffrey Eriksen as Dick Deadeye.

Tickets are on sale at the Caltech ticket office. The price is \$2.50 general, \$1.50 student, with a fifty-cent discount for groups of fifteen or more.

## More News Briefs

#### Continued from Page One

karate trolls are welcome to come and watch. If you intend to be ranked, please be prompt. (Note: only dues paying members of the SCKA are eligible to take the test. If you haven't paid Jeff Ross by Friday, bring \$10.00 to the gym.)

#### Noted Physician to Be Commencement Speaker

Dr. John R. Hogness, president of the National Academy of Science's new Institute of Medicine, will be the speaker at Caltech's 78th commencement on June 9.

#### Co-op Housing Topic of Next Coffeehour

All students, faculty, administration, and other random Techers are invited to the ASCIT Coffeehour, Wednesday, May 5. The planned topic is co-op

housing (it looks as if this will be in operation by first term next year). There will be free coffee and more donuts than you can eat.

#### 10 Science Students Sought For Summer Research Project

Undergraduate college students majoring in science are being invited to submit applications for participation in faculty research projects to be conducted this summer in the Department of Chemistry at Cal State Los Angeles.

Ten students will be selected, each of whom will receive a grant ranging from \$800 to \$960 from the National Science Foundation, sponsor of the Summer project. Applications should be requested by writing to Dr. Anthony Fratiello, Department of Chemistry, California State College, Los Angeles 90032. Deadline is May 8.

## ASCIT Doings...

#### Continued from Page One concerning money matters.

#### Catalina, Here We Come...

Because of the unanimous sentiment against an on-campus orientation, the Freshman Orientation Committee is seeking means of financing a return to Catalina next September. The value of the non-academic contact with faculty and upperclassmen provided at frosh camp was emphasized.

The IHC will soon initiate procedures for selecting four upperclass counselors to represent each house at the frosh orientation. The BOD will then appoint nine additional counselors and will aid in the selection of faculty members to be invited to Catalina.

#### Coffee Hour Wednesday

The ASCIT Coffee Hour will be held Wednesday, 3 May, at 4 p.m. in Winnett Lounge. The discussion topic will be "Cooperative Housing." The atmosphere is right, the discussion lively, and the coffee and donuts are out of this world.

Martin is investigating the possibility for 21 year old seniors to join the Atheneum. His progress report was favorable. Jim Price was appointed chairman of the Executive Social Committee. The student garage may be revitalized. The BOD minutes may be on time this week.

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# Unstuck! Billy Jeff Debuts

Listen: Billy Jeff has come unstuck. Period. He has ridden across the range with a pressure can of peroxide in his hand, so that the buffaloes have swear words and cryptic slogans bleached into the fur of their flanks. With chainsaw and cutting torch he has felled billboards in hundreds and laid them face down in the desert. From 20,000 feet you can see that they spell IT'S GOT COSMOTRONIC ZOOCH-99 in letters the size of football fields. And these things he did without attracting anyone's horrified attention until he was done, so these things are rare occurrences.

KTRU television, channel 37, offers its viewers reality of the Mind: interviews with and speeches by anyone at all in the world who has a cause, with the audio portion simultaneously broadcast on KTRU-FM radio. Interviews are conducted by KTRU's fearless, hard-hitting reporter, Ron Toughguy, whose interview with Billy Jeff went as follows:

Toughguy: Isn't it true, Mr. Jeff, that psychiatrists in three states have declared you insane?

Jeff: Actually, I have never met any of these psychiatrists. Like Freud, who psychoanalysed Woodrow Wilson after Wilson's death from newspaper reports, they have used second-hand ...

Toughguy: Hasn't your crusade for Indian rights been counterproductive, so that even your original supporters have turned against you?

Jeff: Calling my efforts a crusade shows a serious misconception about ...

Toughguy: Why don't you admit you just want a hit record?

Jeff: Record? But I ...

Toughguy: Come on now, admit that your "message" of hope from another planet, and your so-called ancient knowledge of occult powers is a lot of ...

Jeff: Eesh-tak-hallaveetsniya!

Toughguy: Zlbsh ngmmn

Jeff: For our radio audience I should explain that by pointing the little and index fingers of each hand and calling the name of the god of pink strobelight and Minkowski space, I have caused Mr. Toughguy to be buried under a mound of glistening red goo, which (slurp) appears to be V-8 Juice-flavored Jello. Perhaps when he gets out he will respect occult powers a little more. This has been another fiasco from Counter Productions, reduced by F. R. T. R. Frank and misdirected by Karl Notsogut, Jr.

"Aren't pink strobelight and Minkowski space an odd combination of things for your friend to be god of?" said the little green man from Revolvingdore, a planet which is not visible from any earthly telescope. He had returned for another visit a few days after the interview. "Even with transtemporal vision I can't see the connection."

"Oh, there doesn't have to be one. He's god of a lot of other things, too, most of which aren't even found on this planet. When something new turns up in the universe, the gods all get together to decide who is going to be in charge of it. Sometimes they have a sort of auction."

"How would they do that? What would they pay each other?"

"I haven't any idea. If you're interested, we can call him to materialize and ask him. Eesh-tak-hallaveetsniya!...Oops!...I guess he's in one of his whimsical moods. It looks like you're covered with a mountain of chrome-plated raisins."

"Actually, they're symbolic of the fire-bombing of Dresden and Navajo sand painting."

"What?"

"Well, it's at least as cryptic as pink strobelight and Minkowski space. Actually, I don't know what I'm buried under, and at this point I don't really care much."

Billy Jeff, when he had traveled far along the road to wisdom, was ready for the test. Having prepared himself with meditation and the mystic eleven herbs and spices, he allowed the sacred hooded rattlesnake to strike him many times in the rays of the setting sun. And he fell into a trance, which lasted all night. And in the rays of the rising sun, his vision came upon him, and he said, "Eating leftover Christmas turkey is like summing the harmonic series: the fractions get smaller and smaller, but you never reach the end." And all were astonished at his words.

After his ordeal, he dreamed one night of a great television set, its screen lit with a mass of incomprehensible symbols, and a voice saying on its speaker, "The electron obeys Shrdlu's Etquation." and another voice said, "Whatever track you take, you still get railroaded."

So he took Eesh-tak-hallaveetsniya up to a high mountain, and showed him the television transmitters and said "Be whimsical."

And so the many fans of Earnest Hummaway, the serious folk singer, saw him Involved, as every week, in a Gripping Relevant Problem. This time it was on a college campus. Toward the middle of the story, after they had been up all night in a fruitless search, the friend of the missing girl was talking to Earnest Hummaway in the hall of the dormitory when a red box on the wall suddenly burst into flame.

"Don't worry," said the girl, "It's just the fire alarm."

"But...Hadn't we better... That's a pretty alarming fire."

"No, see? It went out." It's seven o'clock and the fire alarmclock is supposed to wake us up for early classes."

"But it doesn't make any noise, and it's out in the hall,

where no one will notice it who isn't already up."

"Oh, that's so people who don't have early classes won't be disturbed."

"But it's completely useless, and dangerous, too."

"Well, you can't expect B&G to think of everything. Look, this isn't helping our search any."

"I know, but I don't know where else to look for Cindy-Lou."

"You're giving up?"

"The search. But I also write songs under the pseudonym of Dave McDirty. I'll do one in memory of her." He was carrying his guitar on his back, so he pulled it around in front of him and began singing, "Bye-bye, Miss Food Service Pie, took a sinner out to dinner, but he didn't know why, and white-coated cooks, with a gleam in their eye, said, 'Give us something else we can fry, or this'll be the day that you die.' Ask it not wat kin it do, 'cause it gives almost nothing to you. Do you really think it's fair? And do you believe in Harold Brown, can roses beautify the town, and, would you give some honey to the bear? Well, I know that you're in politics, cause you tried to tell them when to kick. The check just had to bou-ounce. We lost gargantuan amouwowhounts. I was a lonely teen-age synchrotron, I had to wait till someone turned me on, but I knew I'd be dead and gone, the day the project died."

"THAT is a song in memory of Cindy-Lou Hu?"

"What would you prefer? 'My Reindeer Flies Sideways,' sung to the tune of 'Pomp and Circumstance' by the Konrad G. Weedy-lawn Memorial Girl Scout Camp Irregular Glee Club?"

At this point they faded out for a station break, and were replaced on the screen by a soggy-looking gent in an immaculate suit, with a bottle in his hand who said, "The great thing about Penney'sh wrinkle-r'shishtant Penn-Presht shuitsh ish they, uh, you can shleep in 'em and they don't look like they been shlept in."

Then there was an advertisement for "All in the Igloo," in which Archie Blubber told his obnoxious son-in-law, "We didn't come from no polar bears, you animistic, white-o fish-head!"

At this point the police surrounded the little transmitter where Billy Jeff was hiding, and said "Come on out with your hands up, whoever you are." Billy Jeff thought quickly and said, "Bruggellmishimp!" calling on the god of getaway cars and self-destroying electronic equipment, who obligingly provided him with a rubber mask of President Nixon. He put it on, came out with his hands up in the familiar victory wave, and spoke the magic words, "Let me make one thing perfectly clear. I am Howard Hughes." Being thus instantly rendered invisible and incomprehensible, he escaped.

## Dabney Band Featured At

## Sequoia School Benefit

by Bill Wood

The famed (?) Dabney Band will be featured performers during evening festivities Saturday night at the Spring Thing, the annual crafts and pleasure fair of Pasadena's Sequoyah School. Other Caltech associated participants include folksingers Bill Wood, Steve Watkins and Victoria Josslin. An authentic belly dancer and a picking and singing competition among local folk artists will round out the evening's entertainment.

The evening program, however, is only the final event of the all day fair, which will be held at the school on the Neighborhood Church grounds, 215 West California Blvd. Carnival game booths and booths of Pasadena area artists who will sell and demonstrate their crafts open at 10 a.m. Crafts exhibitors will include Paul Jackson, metal sculpture; Don Cervenak, pottery; Murray Bloom, glass blowing; Dan Ransom and Gary Thompson, metal sculpture; Mac Ransom, jewelry; Nancy LaZich, wire sculpture; and Hybrid Vigor of Alhambra, Raku pots. Try-it-yourself booths will include macrame, batik, lineoleum prints, candle making and pot throwing.

Delicacies of all sorts will be sold throughout the day, from hot dogs and popcorn to such gourmet goodies as churros,

quiche lorraine, teryaki beef and bouillabaise. Also on sale will be baked goods, books, records and almost-new clothing.

Well known local prestidigitator Dean Arnold will put on a magic show at 2:30 p.m., and a full length award-winning family movie will follow at 4:30. At that time there will also be an auction of services and merchandise for bargain hunters. Could you use, for example, a room-size shag carpet? A complete vegetarian dinner for four?

### Operating Money

The fair is an important fund-raising event for the Sequoyah School, a non-profit organization that offers an alternative education to the community and operates on nearly 50% tuition aid in order to make their creative approach available to all socio-economic groups. For those interested in the school there will be a display of children's work, a film made by the children, and literature on the school.

Tickets for the Spring Thing may be bought at the door or in advance. Adult admission is \$1.00 and children are free. The price includes entrance, 25 cents worth of scrip, free baby sitting for children under three, and a chance at a door prize of three days and two nights for two at the Hacienda Hotel in Las Vegas.

## Undergrad Program

Continued from Page Five

Department to the question: "Why does the Geology option still include a language requirement?" The gentleman replied: "We've always had a language requirement and nobody's ever done anything to change it."

Can Contentment ...

This philosophy of contentment with the status quo pervades the faculty. And yet if a science were to ever stop questioning the adequacy of its theories, it would fail to advance human understanding and would die as a science. The educational system at Caltech is in dire need of self-examination and the undergraduate student must be the central figure in that urgent study.

The undergraduate system of instruction fails to bring out the maximum potential of the Caltech student. The reason Caltech turns out good graduates is not because its education is good, but because it admits good students. This is a serious crime against those students who could receive so much more from the Caltech experience.

Be Programmed?

One alternative which might be tested is the conversion of elementary course work into automatic programmed learning. The faculty time thus freed should be used for student seminars on the material being studied and for more student research supervision. There is a need for a system to test out of certain courses which the student chooses to study on his own or in which he has prior knowledge.

There should be far more opportunities and pressures to involve undergraduates in continuing research experiences. The facilities available for undergraduate research here are unsurpassed. It is a gross failure of the Institute for students to graduate without this experience having been made easily available to them. Those who find a research position must scrounge around and confront professors who seem to most students to be far more interested in their research and in graduate students than they are in the undergraduate.

A close look at the grading system must be taken — soon. Failing a student at Caltech seems more a failure of the Institute than of the individual. An ABC—no credit and Pass—no credit grading system would seem to be much more closely aligned with the caliber of education Caltech claims to give.

Nothing Less Serves

Experimenting with undergraduate education instead of merely following traditional and ancient procedures will require more effort, time, and devotion on the part of both faculty and students than most of them have been asked to provide until now. It will take new leadership and major commitment from the administration to persuade the faculty that it is time for major innovation in our undergraduate school, but the incredible talent and matchless potential which the students bring to this campus will be honestly served by nothing less.

(Next week: A radical proposal calling for the abolition of the option system.)



## Pick a Candidate, But Not Just Any Candidate

by Etaoin Schroedlu

Well, it's that time of year again. (Actually, it's been that time of year for some time now.) The young voters of America start looking around for some candidate to support for political office, maybe even someone good enough to be worth campaigning for. Frequently, no such candidate is to be found.

This year may be different. This year a person looking for a candidate with whom to identify may be able to find one. In fact, the left-wing youth in this area have not one, but two worthy people to support and work for. I refer to Presidential candidate George McGovern and Congressional candidate John Binkley.

**McGovernable?**  
McGovern most of you pro-

bably know about. The man Robert Kennedy called "the most decent man in the Senate — in fact, the only one" has been running a far stronger campaign than most gave him credit for when he started, and is a good enough man that one can actually feel more than "So what?" when he earns significant support somewhere, as in his winning Wisconsin's primary. There is an active group of McGovern supporters on campus (consult the info thereon in various Techs), and the McGovern local headquarters is at 3938 Wilshire Blvd. in Los Angeles — get in touch with John Cross at the Caltech Y or X1939.

**Binkleyable?**  
John Binkley is the only Democrat (technically bipartisan) running for Congress in this District, long a conservative bastion. (Besides Pasadena, it includes Glendale.) Binkley is a long-time friend of Caltech, currently serving as the Secretary for the Y Board of Directors. He has been active in the Foothill

Free Clinic in Pasadena, of which he is Executive Director, and many other local and other activities and organizations. More to the point, perhaps, Binkley possesses the traits of honesty, candor, and social concern which America needs so desperately from its leaders and gets so rarely. Many of you have already talked with Binkley when he has been on campus. Binkley's headquarters is at 372 East Colorado, 795-7241.

**Silver Screening**  
Continued from Page Four  
violence flick.) The plot spotlights the relations between a young man and the two persons who are mentally (and physically) involved with him: a young woman and a aging, male doctor. The film was not totally ignored by the Oscar people, but the controversiality of the plot probably cost the film in this regard; I thought it as good a movie as *The Last Picture Show*, which cleaned up eight nominations.

## Beckman...

Continued from Page Five  
Beckman at 8:30 p.m.

Ramo is presenting the *Sixth Tournee of Animation* this Sunday at 2:00 and 7:00 p.m. This collection of a dozen different countries' artists covers everything from graphics and computer-generated imagery to the more familiar cartoon format. General admission is \$2.50, students \$2.00, and Techers \$1.00.

Leading off the *Masters and Masterworks* series will be *The World of Buckminster Fuller*, to be shown May 2 and 3 at 8:00 p.m. in Ramo. This series consists of four films produced and directed by Robert Snyder. Admission for this event is the same as for the *Tournee*, with season tickets going at \$8.00, \$7.00, and \$4.00 for general admission, students, and Tech trolls.

## Cerebrum...

Continued from Page Four  
pollution, they stop pollution; if it is available to make weapons, they make weapons. The University itself is a passive observer in (if not profiler from) the slow corruption of science by money. (Nor is this situation constrained to science; everyone has lost control of their work these days.) The University has joined Society, in the bad ways as well as the good. The result is that freedom and responsibility are becoming increasingly academic.

## Reporter's Notebook

Continued from Page Three  
something to keep in mind along with the existence of an undergrad social sciences option ... Another of our spies tells us that MIT is considering abolishing its undergraduate program ... *Totem* will be out in a week or so.

Stan Whitcomb is the winner of this year's Haren Lee Fisher Memorial Award in Junior Physics ... Caltech grad Frank Capra has donated his 14-acre ranch in Fallbrook to the Institute to use as a retreat.

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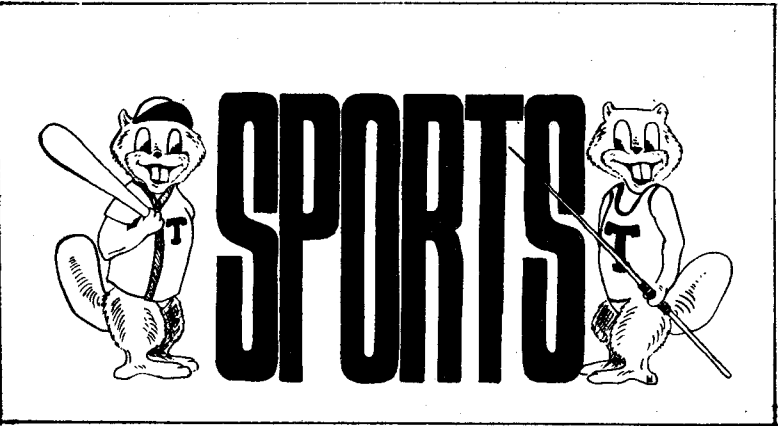
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## Beavers Lose a Heartbreaker To Pomona on Grand Slam

by Gavin Claypool

The Beavers lost a heartbreaker to the Pomona Sagehens 4-3 Saturday, while their current loss string extended to fifteen.

Phil Gschwend pitched a five-hit shutout through six innings, but was replaced by Tom Howell when the Sagehens loaded the bases in the seventh. Howell's second pitch was nailed for a long drive over the head of John Ellis in left. By the time the ball reached the infield all four runners had crossed the plate.

**Run, Run, Run**

Tech had its biggest inning since a four-run outburst against L.I.F.E. College in March, scoring three times in the fourth. Howell started it off with a single and a stolen base. Doug Schladweiler scored him with a double to center, and took third on a wild pitch. Gschwend walked, and two outs later Rich Mitchell doubled, driving in both runners.

Pomona breezed in the second game, 8-0. Wally Smanski collected the Beavers' two hits, one for extra bases. The home team missed a dubious achievement in the seventh that began with Schladweiler, who struck out but reached first on a passed ball. Batting next, Gschwend struck out, but Mitchell grounded into a double play to end the inning.

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## Tennis Loses Two But Still Has Hope

The Caltech tennis team was defeated 9-0 by Pomona at Pomona, but managed to win third doubles to salvage one point against Redlands. The winning team of Jeff Shellan and Dave Dummit won 6-2, 2-6, 6-2.

Caltech hopes to wind up the season with a three match win streak as they close against Dominguez Hills, Whittier and Pasadena College.

Dave Dummit and Andy Chow will represent Caltech at the Ojai Tournament

Thus, the Techers lost an opportunity (?) to strike out four times in one inning. (Once, a Tech pitcher had to strike out six batters to get out of an inning.)

**Clearly a Mountain of Mud**  
Claremont/Harvey Mudd played the Beavers Tuesday, and romped to a 17-1 win. Howell had two safe hits, and two more solid drives that deserved to be. Bob Pleva also had two hits, and drove in Howell for the Beavers' only run. John Ellis ended a month-long drought with his first conference hit, a single in the fourth.

## Ye Gnu Sports Megnu

April 27, 28, 29			
Ojai Tennis Tournament at Ojai			
Saturday, April 29			
12:01 p.m.	Baseball	Claremont/Harvey Mudd (2)	Away
1:30 p.m.	Track	Whittier	Home
Monday, May 1			
7:00 a.m.	Southern California Intercollegiate Golf Tournament at Torrey Pines		
Tuesday, May 2			
3:00 p.m.	Baseball	Redlands	Home
3:00 p.m.	Varsity Tennis	Whittier	Home
3:00 p.m.	JV Tennis	Whittier	Away
Thursday, May 4			
3:00 p.m.	Varsity Tennis	Pasadena College	Away
Friday, May 5			
1:00 p.m.	S.C.I.A.C. Tennis Tournament Preliminaries		at Whittier
3:00 p.m.	S.C.I.A.C. All-Conference Track Preliminaries		at Claremont/Harvey Mudd
Saturday, May 6			
9:00 a.m.	S.C.I.A.C. Tennis Tournament		at Whittier
12:01 p.m.	Baseball	Redlands (doubleheader)	Away
1:30 p.m.	S.C.I.A.C. All-Conference Track Meet		at Claremont/Harvey Mudd

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## Track Team Out-Runs La Verne - Loses to Redlands

by Bob Kieckhefer

Tech's track team had a halfway successful showing in Saturday's triple dual meet, defeating La Verne, 90-35, but losing to Redlands, 87-57. Redlands won both its dual meets, with its men winning 9 of the 17 events. Tech runners won six races, while La Verne's star long jumper won the two remaining events.

Greg Griffin had a good day, winning both the mile and three-mile runs. Alan Kleinsasser won the 880-yard run for the seventh consecutive meet this year to round out Tech's sweep of the distance events. In the

dual meet with La Verne, Tech's runners scored 26 points (out of 27 possible) in these three events, with Ratchford Higgins placing second in each. Third places went to Tom Herman in the 880 and to "midnight runner" Lew Proudfoot in the mile.

Tech's sprinters were led by Haywood Robinson, who won the 100-yard dash, lost the 220 only by the judge's decision, and ran a leg for the victorious 440-yard relay team. Charlie Almquist extended his string of victories in the 440-yard intermediate hurdles as he tied his school record of 54.9 seconds, for Tech's only other victory of the day.

Caltech's field men failed to break into the winner's circle, but depth in their events helped the team score enough points to beat La Verne. Bob Ellgas placed second in the triple jump and third in the long jump to lead the field men in scoring. Other second places went to Chuck Thoele in the javelin throw and to Junro Hiromatsu in the pole vault.

This Saturday the track team takes on Whittier in their final dual meet against SCIAC colleges. The meet will start about 1:30 - come on down to TP and cheer the team on. It may be your last chance to watch Coach La Brucherie's men in action!

## Interhouse Basketball Standings

Page	6	0	1.000	--
Fleming	5	1	.833	1
Ruddock	4	2	.667	2
Ricketts	3	3	.500	3
Lloyd	2	4	.333	4
Dabney	1	5	.167	5
Blacker	0	6	.000	6

## IH Trophy Points

HOUSE	POINTS
Page	298.5
Ruddock	260.
Fleming	256.5
Ricketts	203.
Lloyd	145.5
Dabney	91.5
Blacker	80.5

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