

If Darbs  
Can't Eat  
It

# The CALIFORNIA Tech

They'll  
Smoke  
It

Volume LXXIII

Pasadena, California, Thursday, March 2, 1972

Number 20

## Assemblyman, Architect to Speak Soon

by Claude Anderson

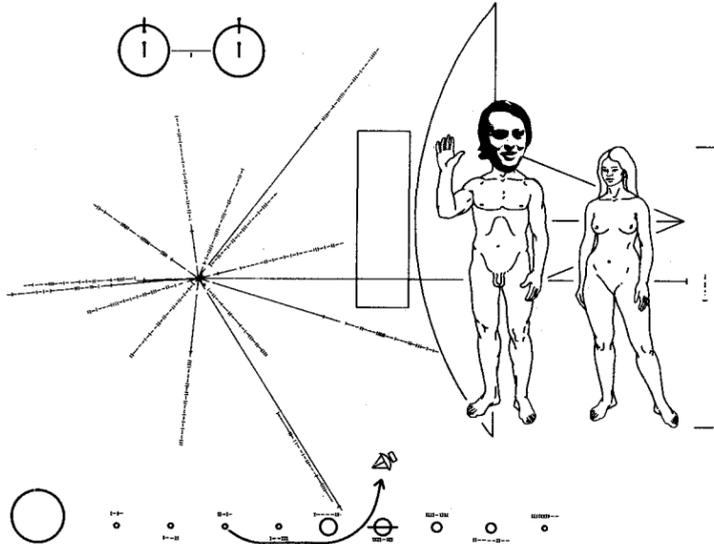
California Assemblyman Walter Karabian will speak on *Prison Reform* in an Olive Walk Talk tomorrow at 12:30. He is currently serving as chairman of the Select Committee on Prison Reform and Rehabilitation in the Assembly. Mr. Karabian graduated from the USC School of Law in 1963, and holds a masters degree from USC's Graduate School of Public Administration.

He has been very outspoken on the subject of prison reform. The economic viewpoint is an important one. He sees that we are "wasting taxpayers' money and destroying lives" by teaching prisoners skills they will never use or by lack of any teaching at all.

And he is also concerned with the influences of the prisons on the prisoner. "In California, where lesser offenders are mixed with hardened criminals, longer sentences often undermine the rehabilitation and make the crime problem more severe."

Urban problems in the second and third worlds will be the subject of a drop-in seminar at 3:30 in Winnett next Tuesday. Leading the discussion will be Karoli Polonyi, head of the Department of Town Planning and Architecture in Budapest. Besides his work in Budapest, he has planned the capital city of southeastern Nigeria, and has done work with other African countries.

The second and third worlds refer to the Communist countries and Africa. Polonyi will talk about such problems as ecology and design. At 7:30 he will speak in the Athenaeum on "Problems and Progress in the Modernization of Hungary."



Enlargement of a Palomar photo, taken yesterday, of an unknown object approaching Earth, shows some kind of identifying plate imbedded in the side of the body. Scientists conjecture that the possible mission of such a probe would be to search for intelligent life on Earth.

## Caltech, Others Plan Study On Co-op Computers

USC, Caltech, and UCLA announced today that they are studying the feasibility of sharing such installations as computing centers for greater efficiency and economy. Joint use of libraries and other major academic facilities also is being considered.

Because success in such efforts might have significant national impact in encouraging other universities to consider similar sharing, the National Science Foundation has just announced a grant of \$144,200 to USC, Caltech and UCLA to help expedite their study of computing. These cooperative efforts were started last fall with the help of a \$25,000 grant from the Rockefeller Foundation.

Dr. Z. A. Kaprielian, USC Vice President for Academic Planning and Research, Provost Robert Christy of Caltech, and Vice Chancellor David Saxon of UCLA are leading the investigation of potential benefits their campuses might receive if certain

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## Here We Go Again...

# New BOD Sets Goals

by Jim Hugg  
ASCIT Secretary

The new BOD is attempting to make ASCIT a viable organization, capable of responding to the desires of the student body to produce needed change. There is, in my estimation, a reasonable chance of accomplishing this lofty goal if YOU are willing to help and if the BOD is willing to get off its bod and work for the students. I believe that the BOD will prove itself equal to this task.

Under Joe Morin's leadership, the BOD is working on many projects to benefit Techers; all we ask is a little help from our friends. Too often past BODs have shown great potential, demonstrated remarkable courage in passing budget allocations, and then stagnated for the remainder of their terms of office. I believe that time will prove this BOD to be different.

We are placing responsibility for generating new ideas with the ASCIT Excomm and with the IHC. But individuals must be the

## Weingart Sees Solar Energy As Cheap Future Power Source

by Gavin Claypool

The present methods of energy generation are environmentally damaging and will soon become inadequate quantitatively, according to Caltech physicist Jerome Weingart in a Beckman Auditorium Monday Night Lecture entitled "Harnessing the Sun."

His solution? The development of cheap, clean solar power, a source that—until recently—had existed seriously in only science fiction and scientists' dreams.

Conventional fossil fuels cause land to be unsightly and unarable

because of strip-mining techniques. Later, the burning of the fuel generates both heat and unburned particles, the latter usually ending up in the atmosphere. Estimates of the time remaining before the coal and oil resources run out are usually measured in decades. Nuclear power plants as yet do not have the technology to allow conversion on a large-scale basis to a nuclear-type plant; mining problems would still exist, and the disposal of radioactive wastes would be an additional hurdle.

Utilizing the energy radiated by the Sun, on the other hand, would have none of these disadvantages, while providing a source of power for homes, commercial buildings, and even cars. Dr. Weingart visualizes small automobiles powered by solar energy and traveling at 80 mph. A more conventional electric auto could have its batteries charged by a housetop solar energy convertor.

He pointed out that solar energy is not an automatic solution to the problems of pollution and energy production. An increased effort on the part of science is needed to make it economically feasible.

Dr. Weingart believes that research leading to large-scale uses should be intensified. "The development of new sources of energy is essential," he stated. "We appear to be entering a transition period, unprecedented in our history, from a time when energy has been cheap and abundant to a period when it may be expensive and limited."

However, Dr. Weingart does not think that we should expect solar energy to become the main source of power within the next 100 years. Instead, he says, "We should not consider any one source as the sole source for the future. We should develop various energy sources to allow us a wide range of choice."

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## News Briefs

# Anzaldo Selected to Head YMCA

Pete Anzaldo as President heads up a new slate of YMCA officers elected during this past week. The Y decided to supplement the office of the President with an eight-man Excomm. The new Excomm members are Dave Collier, John Cross, Jack Goldstone, Elwyn Loh, Haywood Robinson, Ed Schroeder, Price Walker and Steve Watkins. Anyone with ideas for Y programs get in touch with these people before it's too late. (Note: Finals week is too late.)

## Caltech Hillel Seder Coming

After coming down from its very successful Purim party this Monday, Caltech Hillel is pleased

to announce its Third Annual Kosher Passover Seder, to be held in the Athenaeum on Wednesday evening, March 29. For further information or to make reservations (sorry, but you must have a reservation) call Ted Hurwitz, ext. 2453

Hillel is still sponsoring Israeli folk dancing classes at 7:30 p.m. Sunday evenings, and will continue to do so over term break, so you have no excuse for not stopping by.

## NOTICE: Sale Of Electronic Goodies

There will be a fantastic sale of electronic miscellany in Winnett Clubroom 2 starting at 3 p.m. tomorrow.

## Scripps-Tech Dance Coming

Scripps is co-sponsoring a dance with Caltech at Scripps. The Band will be Viva, the same one that played at Walpurgis Night. The dance will be Friday, March 3, at Wilbur near Frankel.

## ASCIT Excomm Needs People

The purpose of the ASCIT Executive Committee is to recognize, investigate and discuss the long range and immediate problems of ASCIT. If you would like to be on the Excomm, please send your name and campus address to Peter Davis, Dabney House.

Continued on Page Seven

## Indian Power



WHITE ROOTS OF PEACE, an Indian cultural communications group, visited Caltech last Tuesday, bringing dancers, films, speeches, and heritage. Photo by P.

Editorial

# Yes on Referendum

Early last month, a petition was circulated by various students calling for a change in Resolution III. The proposal demanded that the four-dollar filing fee for ASCIT office be specifically donated to the Dean's Cultural Fund or the Caltech Y. The petition was presented to the BOD on February 7, where it was accepted without a vote. At a subsequent meeting (Feb. 22) it was discussed and defeated 2-3-3. By ASCIT bylaws, the proposal was to have been brought before the student body for a vote, within fifteen days of the initial presentation.

An election should have been held February 22, or earlier. However, the former Board, in their last weeks of office, decided to dump the responsibility on the new BOD, thus delaying the constitutional process and violating their own oath of office. ("I do solemnly swear that I will support the By-laws . . ." - do you remember saying that?)

We feel that the old Board was unjustified in its actions, both legally and toward its constituents. However, that's all water under the bridge now. The new Board plans to hold the referendum as soon as the new Election Committee can be appointed. What is important is the decision, not the parliamentary pussyfooting that preceded it.

We urge a YES vote on the proposal. Traditionally, the filing fees (totally about \$100) have been used by the outgoing BOD for a Director's party. We feel it is unfair that a required fee is spent in a way that benefits no one but the BOD. On the other hand, turning the funds over to the Dean's fund or the Y can potentially benefit every member of ASCIT.

But further than that, we would like to see filing fees eliminated. We see no reason for charging a person to run for office, except to persuade people not to file as a joke. Surely the BOD can come up with another alternative other than monetary penalty to discourage election rowdiness. It might be the first step to wiping it out altogether, by creating an effective ASCIT operation.

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

## New BOD, New ASCIT?

About a term ago *The California Tech* published an editorial entitled "Is ASCIT Worth Saving?" It was written in response to a situation that had many people worried. Many students thought that ASCIT was not worthwhile, some were threatening to drop out of the organization, and even the BOD had realized that it was not doing its job properly.

Today, we have a new Board of Directors and a new opportunity to make ASCIT a worthwhile student organization. Of course, it is traditional for new administrations to enter office full of high hopes and fantastic ideas. Generally, they go sour in the face of apathy or

apathy or official disapproval, and the Board ends its term doing nothing and caring less.

Whether this will happen this year only time will show. Fortunately, at their first meeting the members of the new BOD approved two administrative changes which show a real concern for the future of the corporation and a real desire to bring ASCIT back to the students. The first changes the place and time of the BOD meetings to Winnett Lounge, four to six p.m. on Thursday. This move is intended to open up the meetings to the general student body. Previous BOD's had followed exactly the opposite course. While open in theory, their meetings had tended to be closed in fact since the Board seldom went to the trouble of actively encouraging student participation. This, coupled with late or non-existent minutes tended to cut the BOD off from the students and inevitably helped lead to the stagnation of the organization. Secondly, an agenda of the topics to be discussed at each BOD meeting will be published in *The California Tech* the day of the meeting. Thus, the students will be aware of what the BOD will discuss, and anyone who wishes to give his opinions on one of the listed subjects need merely drop in at that afternoon's meeting to do so.

In themselves these changes are trivial, but their implications are not. They show a strong desire on the part of the BOD to bring the members of ASCIT into a more active participation in the organization. As such the *Tech* approves of them; we are not asking the students to blindly support these or any other moves of the BOD. If past experience is an example, the *Tech* itself will undoubtedly lock horns with the Board several times in the coming year. But we do ask the students to get involved: without discussion and more direct student participation, any accomplishments by the BOD will be meaningless, and ASCIT will truly be a waste.

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

## Huttenback Reply To Mellon Funds Dispute

Gentlemen:

For the second time in as many weeks I feel constrained to take up my pen. This time, however, I write as Chairman of the Division of the Humanities and Social Sciences rather than as Dean of Students, and I respond to Ed Schroeder's letter of February 24. Mr. Schroeder is properly sympathetic to the "hardships of financing [facing] the Institute, especially in these lean years for technology," but he misconstrues at least one of the steps being taken to deal with the crisis. On December 15, 1971, Dr. Nathan Pusey, President of the Andrew W. Mellon Foundation, informed President Harold Brown that "the Trustees of the Andrew W. Mellon Foundation have approved a grant to the California Institute of Technology in the amount of \$750,000 to establish a chair or fund to support instruction in the broad field of the humanities at your university." In keeping with this stipulation, some of the income from the grant will, next year, be used to support non-professorial appointments in art history (3), music (1), philosophy (1), and Russian literature (1). Without the Mellon Funds it would not be possible to make

Continued on Page Three

## A Quarter Century Ago...

Four hundred Caltech students were involved in a weekend "get-out-the-vote" campaign concerning the Tournament Park proposition. The proposal called for the release of the park from the city to the Institute. The canvassing was a big success; however, spring break intervened and the *Tech* never published the results. Judging from the current state of the site, we suspect it passed.

The Beavers track team out-

lasted Oxy to win the conference relays by a scant margin of 1.4 points. Big Don Tillman won the shot put and placed second in the discus to lead the Tech spikemen.

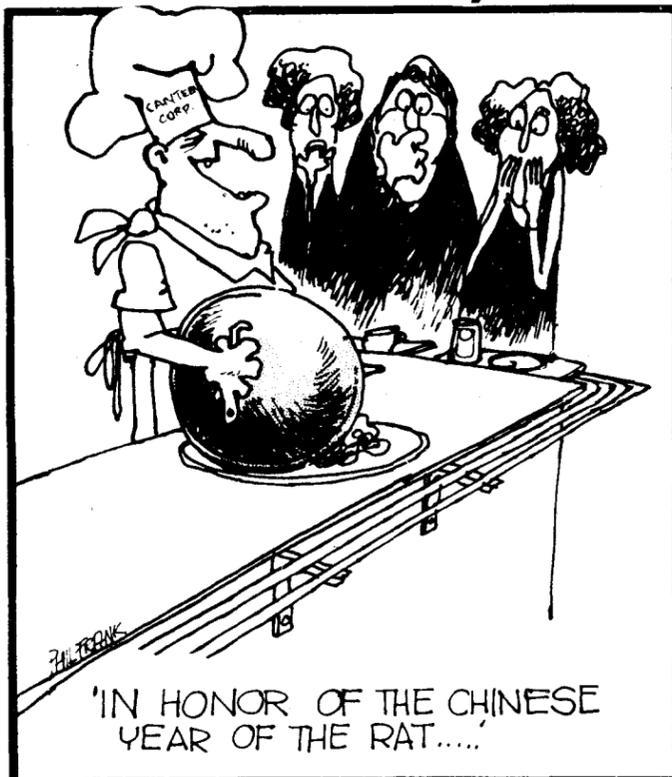
And this random space filler appeared:

A student, while working in class, Filled a test tube with HCN gas. He took a big whiff And fell over stiff,

And now no more Chem to pass.

### FRANKLY SPEAKING

by Phil Frank



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**& THE CAPER OF THE GOLDEN BULLS**

## Comp. Coop

Continued from Page One  
resources were shared rather than duplicated.

"The current financial problems in higher education are well known," Dr. Kaprielian said, speaking as the principal investigator on the grant.

"The nation's colleges and universities have been feeling the impact of a major financial squeeze for several years. To maintain academic excellence, we need to turn to innovative methods. The three major universities in the Los Angeles area have agreed to a joint study of the sharing of resources as one possible means of helping to alleviate the common financial crisis. It is hoped that success in the joint use of some facilities, along with other measures to improve efficiency, may help to relieve some of the financial pressures at these three campuses."

Computer installations and services at the three schools were the first area chosen for detailed analysis. Both the technical and economic feasibility of pooling any or all computing at the three locations will be analyzed. An

## H-BACK

Continued from Page Two  
these appointments or offer students some very stimulating and important courses.

It is quite true that one of the major purposes in applying for the Mellon Endowment was to facilitate the bringing of visitors in the creative arts to the campus for varying amounts of time, and in future years a significant portion of the funds available will be devoted to this purpose.

—Robert A. Huttenback

estimate will be made of benefits that might result from sharing of facilities as compared with the cost of further development of individual computing centers.

National computer-communications networks which have been proposed will also be considered as well as the use of commercial installations.

A first report of recommendations will be made in six months to President John Hubbard of USC, President Harold Brown of Caltech and Chancellor Charles Young of UCLA. The NSF grant sets an 18-months time limit on the entire study.

# THE CALTECH FORUM

Editors:

In the past few days there has been renewed interest in the case of the Fleming bell. This interest has even reached the point of physical violence between members of different houses. We are writing this letter to protest the fact that the bell has been missing for so long and to ask all members of the Caltech community to assist us in seeing that the bell be returned.

The Fleming bell has one of the most prized possessions of Fleming House for about 40 years. It has thereby gained sentimental value to the past and present members of Fleming House far in excess of its considerable monetary value. It has long been a favorite prank for members of other houses to steal the bell. This was fine as long as it was in the spirit of fun and friendly rivalry between houses. Because it was stolen in this spirit, the bell usually did not stay stolen for more than a day or two.

Near the end of first term this year, the bell was stolen, as usual. After a week with nothing but a couple of cryptic notes, it ceased to be just a friendly prank. After a month and a lot of skirmishes between Fleming and various other houses, it became clear that whoever had the bell was not within the realm of influence of the on-campus house officers or any other forces of reason on campus. It

has now been over a term since the bell was stolen. If the bell does not turn up before the end of the year, there is a good chance that it is lost forever.

We do not think anyone at Caltech except the perpetrator wants to see the Fleming bell gone forever. With this in mind we make this appeal to the rest of the Caltech community to join us in trying to bring this situation to an end. Anyone having information which might possibly be of assistance should contact Tom Howell in Fleming House or any of the house residents.

If the person who has the bell should happen to read this letter and decide that he no longer needs it, and if he is afraid for his physical safety should he return it personally, he can certainly use some of that ingenuity which he has already displayed so amply to return the bell in such a way that his safety is not endangered.

—Thomas D. Howell  
Pres, Fleming House

—Jim Bonomo  
Pres, Blacker House

—Dwight Carey  
Pres, Ricketts House

—Dale R. Dabrymple  
Pres, Ruddock House

—Andrew Dowsett  
Pres, Dabney House

—John R. Schroeter  
Pres, Page House

—Steven R. Young  
Pres, Lloyd House

Editor:

I would be interested to know, with reference to your attempted mugging article in 24th February edition of the *Tech*, why you chose to label the assailants Mexican-Americans? This may sound like a silly question — it is not.

It is absolutely unimportant that the gang was Mexican-American — unless you are trying to make the story supportive of the fact that not only was this a gang with bad intentions, but that they were in addition Mexican-Americans . . . which must make them twice as bad (obviously!). Would you have bothered to mention that the gang was of white Americans if that had been the case? I seriously doubt it. The article would have then read: A Tech student was assaulted by a gang of White Americans Monday night near Noyes . . .

It is incredibly important that we stop labeling human beings with different skin color than white, unless we want to continue to reinforce a stereotype that minority groups are the criminals in America.

Unquestionably, there are times when a complete description of a person is desirable like, Brigadier General James, the first Black man to be appointed to this post in the U.S. Military.

Do think it over.

—Barbra McCandless

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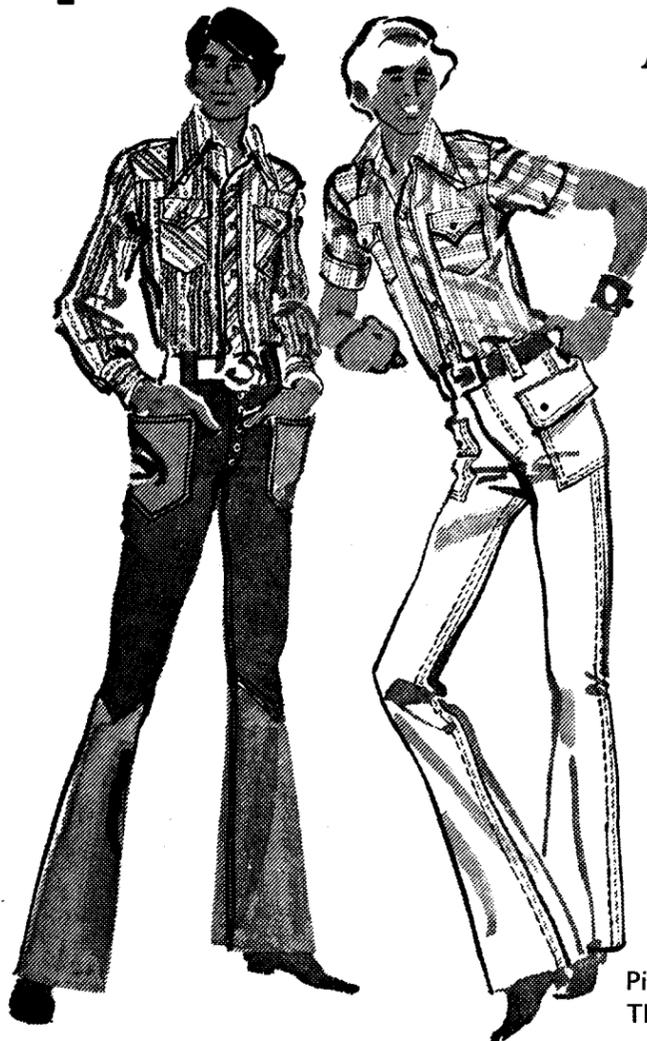
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**SILVER SCREENING**

**Silent Running** — A Universal/Douglas Trumbull-Michael Gruskoff Production. Rated G. Running Time: 90 minutes.

Imagine the U.S. at the turn of the century to come. The land is prosperous, with food, shelter and security for all. The environmental problems have been solved as well — by eliminating the environment! It has all been cut into half-kilometer lots, packaged in see-thru geodesic domes and launched into deep space for preservation.

A fantastic premise perhaps (at least I hope so), but one which makes for an entertaining and disturbingly believable movie. With direction and effects by Trumbull (of 2001 fame) and music by Peter Schickele and Joan Baez, Silent Running is all too realistic. And Bruce Dern, playing Freeman Lowell, puts in a fine performance in his first major role.

The movie opens in a forested glad with birds, bees and bunnies abounding. Lowell is shown swimming in a shaded pool and feeding the animals dressed in a simple grey robe. The image is right out of St. Francis. A very sylvan scene indeed. But the bank upon which Lowell sits is made of steel mesh, and as the camera draws back, the sky fills, not with clouds, but with a geodesic lattice and stars — and the rings of nearby Saturn.

Gradually details fill in. Lowell is in one of six "forest" domes on the nose of the Valley Forge, one of a fleet of true deepspace ships. Launched by the U.S. at the beginning of the new century (they never do say which one), these ships are on a decades-long mission to preserve sufficient samples of America's dying natureland to allow restocking of the Earth's wilderness when (hopefully) the pollution problem is finally solved. Unfortunately, after eight years in space, Congress apparently decides that it is no longer interested in the program, and the crews of these half-dozen ships are given the following orders.

First, jettison all the forests. Second, detonate nuclear destruct mechanisms on each to remove them from the space ways. Third, turn around and head for home. The people of Earth have spoken, and all but one of the good, solid, upstanding, DUMB crew are overjoyed at the prospect of returning to Earth. Lowell is that one. He is unable to accept the loss of the last of the wilderness of Earth. He screams after his crewmates who are setting the bombs, "Don't

blow up the forests. They're not replaceable." Unwilling to let this final rape of the land take place, Lowell (by means of some rather illegal activities) succeeds in escaping with the ship and the one remaining forest of earth. His odyssey begins.

Silent running is a WWII term describing the behavior of submarines trying to avoid detection. Lowell ejects spare supplies to simulate an on-board accident, runs a near miss with the rings of Saturn and hopes the fellow ships will either assume him dead, or be unable to find him if they send out a search and rescue mission. Earth's last forest ranger has as his crew three drones named by him Huey, Louie and Dewey. More about them later. The major part of the picture is occupied with this lonesome voyage. How it ends is best left as a surprise, but I will say that I found the ending both original and artistically satisfying. It should disappoint no one; it certainly is not your standard grade B movie plot.

Inevitably, this movie will be compared with 2001. After just one viewing, I am hard put to say which is better, but some comparisons are possible. Artistically, 2001 had a more sweeping theme, but I feel that the plot of *Silent Running* is far superior. As a total work, *Silent Running* seems to work together much more effectively. The picture does not seem to be overwhelmed by technology as is 2001. 2001 is SCIENCE fiction; this movie is science fiction, with real characters and a real plot.

Technology and special effects are not lacking, though. The Valley Forge is very impressive. Although shaped vaguely like the Discovery of 2001, this ship is a full five kilometers or more in length. With artificial gravity. And a com deck that puts the Enterprise to shame and is sure to cause EEs in the audience to experience

*The Critical*

**EAR**



This column features the reviews of four records, which rate a yes, two maybes and a no, as far as whether one should consider buying the album. Henceforward, this column will follow that general format, with explanations given.

The record rating a Yes is one that has been out for a couple of months, but just didn't get reviewed when it came out. "Shake Off the Demon" by Brewer and Shipley, is an excellent album of guitar and vocal harmony, as well as showcasing several excellent songs. The duo wrote all of the songs on the album except for Jackson Browne's "Rock Me on the Water", done in a very different style from Linda Ronstadt's hit version. Brewer and Shipley do the song as a very soft ballad.

multiple orgasms on the spot. And then there are the drones. These are three foot high, bipedal self-contained robots. They are friendly, mobile, a little bit dumb (but very quick to learn with the help of reprogrammable insertable memories) and most definitely emotional. I prefer to think of them as mechanized munchkins. The only good word for them is cute.

I do have a few complaints about the movie. First of all, Trumbull should know that when couplings open or engines or explosive bolts fire in space, they don't make any sound. Also, the Saturn ring passage is very poorly done, and not particularly believable (especially since the plot does not absolutely require it). But I think these are minor faults in what is otherwise a superb movie. I strongly urge you to see it. I shall, several more times.

—Al Ctein

The title cut, "Shake Off the Demon", is a faster moving and more lively number, and was played extensively on both AM and FM radio when the album was released. Another outstanding song on the album is entitled "Sweet Love". If your collection of records leans towards soft rock and ballads, then his album merits strong consideration. (Kama Sutra KSBS 2039)

A Maybe goes to Taj Mahal's latest, "Happy to Be Just Like I Am". The reason it is not a no is that he does some really imaginative things with a very strange combination of songs, including "Eighteen Hammers," "Stealin'", "Chevrolet" and "Oh Susanna". His inclusion of horns, especially trombones and tubas, as background for a basically blues style of vocals, is both unique and effective. The reason that this album does not rate a definite yes is that Taj Majal's own compositions are less than memorable, to the extent that I can't remember even the tunes after a few hours. (Columbia C30767)

Another Maybe goes to Nils Lofgren and Grin with their album "I+I". This album has a rock side and what they call a dreamy side. Neither is spectacular, and this is something of a disappointment after all of the hype that Nils Lofgren received when he hit the music scene about

a year ago. Anyway, the rock side has some nice music in the songs "White Lies" and "Slippery Fingers". The dreamy side is also good, with "Sometimes", "Lost a Number" and Graham Nash's guest appearance as vocalist on "Hi, Hello Home". The album as a whole is good, but no better than a lot of other albums that come out. (Spindizzy Z 31038)

The No goes to "Farther Along" by the Byrds. This album is such a tremendous disappointment that it is even difficult to describe its characteristics calmly. It is more of the same sort of stuff that was on "Byrdsmaniax", although farther along the road to degeneration of the music that once made the Byrds a musical force to be reckoned with. The only memorable song on the whole album is "America's Great National Pastime", and I'm not sure I'd find that one of significance if I had not heard it several hundred times on the radio before and after the album was released. It does, however, have one of the great lines in American musical history: "One of America's great national pastimes is cuttin' the grass/Grabbin' some ass/And livin' too fast." (Special Award goes to the Columbia engineer who attempted to bleep the word "ass" and largely failed.) (Columbia KC 31050).

—Nick Smith

**Pasadena Library Holds Arts Fest**

Live jazz, experimental films and arts and crafts festival will be held in Pasadena Public Library Auditorium, 285 East Walnut Street, on Friday, March 3, at 7:30 p.m.

An exciting new jazz quartet *Mike Morris and Windows* will perform original modern jazz compositions. The musicians include: Tom Canning on piano, recently pianist for Sonny and Cher; Paul Smith, formerly on bass for Willie Bobo; Gary Seeger, drums, formerly with the rock group "The Power Formula"; and Mike Morris, saxophone, who has performed with Stan Kenton, Woody Herman and Mark Levine's Jazz En-

semble. *Mike Morris and Windows* has played at the Ice House in Pasadena.

The experimental film program will consist of a half hour of short films created by cinema students from Pasadena City College. The films have been selected by Dave Phillips, cinema instructor at PCC. They will begin at 7:30 p.m.

Arts and crafts by public and private high school students from Pasadena will be on display in the Library's Auditorium and Main Hall from March 3 through March 31. The art chairmen and art teachers from the schools have gathered together the best

Continued on Page Five

Did Canteen put asphalt in the lasagna again??

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## The Other 2001 Music The Tech

### Ligeti On Campus

by E. Gansner

In the movie *2001: A Space Odyssey*, the music plays an important role in forming the effects and ideas Kubrick wished to portray. Most of this music was composed by Gyorgy Ligeti, who will be the third modern composer offered by this year's Encounters Contemporary Music Series.

Ligeti will hold an informal discussion in Winnett Lounge next Wednesday at 4 in the afternoon. Then, that evening at 8, Ligeti will present a performance of his *Ten Pieces for Wind Quintet* and will discuss his musical techniques and theories in Beckman.

Born in Hungary in 1923, he attended the Budapest Conservatory, later teaching there from 1950 to 1956. He left Hungary in 1956 and worked with Stockhausen at the first electronic music studio at the West German Radio Station at Cologne. Since then, he has settled in Vienna, although spending much of his time in Stockholm. Presently, he is composer-in-residence at Stanford.

His early works show the cultural isolation in which he lived before 1956 and also his admiration for Bartok and Stravinsky. Once in the cultural mainstream, he found that his motivic and thematic-oriented neo-classicism had evolved into the structural-oriented serialism. Not content with this system, he developed the concept of textural music. His music spans a wide range, from his *Poeme Symphonique* for 100 metro-nomes to the somewhat more conventional (for the avant-garde) *Atmospheres* and *Requiem*.

His *Ten Pieces for Wind Quintet* is a beautiful and stimulating chamber work, containing in miniature, five concertos for the principal instruments: alto flute, clarinet in B flat, French horn, bassoon, and the oboe d'amore (one of the few recent uses of this instrument).

Techers can obtain tickets for the evening concert at the Beckman ticket office for \$1. The afternoon discussion is free.



### About Town

There are lots of things happening around the Los Angeles area soon, such delightful entertainments as to dazzle the very ears with their multitudinity and brilliance. First, the clubs:

**ASH GROVE**, at 8162 Melrose in Los Angeles, features the music of Jesse Ed Davis from now until March 5th. (His most recent work was an album entitled *Ululu* also featuring Duck Dunn of the MGs and Dr. John the Nighttripper.)

**BRISTOL BAY TRADING COMPANY**, at 6101 E. 7th in Long Beach, may be featuring almost anyone this weekend, because I can't find their schedule. They usually feature good entertainment cheap, though.

**DONTE'S**, at 4269 Lankershim Blvd. in North Hollywood, features the Tom Scott Quintet this weekend, but check their schedule, because they change acts every couple of days, and have been known to sneak in some of the big names in jazz.

**THE ICE HOUSE**, at 24 N. Mentor in Pasadena, is graced with the presence of Tim Morgon once again, joined by England Dan and John Ford Coley, until the 5th.

**PALOMINO**, at 6907 Lankershim, is about the best country & western club in the area. Rick Nelson and the Stone Canyon Band are there in a couple of weeks, so watch for ads.

**SHELLEY'S MANNE HOLE**, at 1608 N. Cahuenga in Hollywood, almost sneaked this one past. They are now featuring, and get ready for this all of you jazz buffs, *THELONIOUS MONK* (fanfare) himself.

**TROUBADOUR**, at 9081 Santa Monica Blvd., has a show including Livingstone Taylor and whoever else's name is listed on the ad on a nearby page.

**THE WHISKY A GO GO**, home of the teenybopper at heart, features the band, America until the 5th, as well as Buddy Miles on the 11th. It's on the Strip, of course. Just follow the flashing minis.

Next we take a tour of all the concert halls and other random places that promoters like to use for major pop and rock thingsies:

**ANAHEIM CONVENTION CENTER** is going to have a production of *Jesus Christ, Superstar* on the 12th and 13th of March. This, by the way, is an authorized production, so none of this "selections from" garbage.

**AQUARIUS** (you remember Hair, don't you?) is the site of the staging of *Tommy* as a full pseudo-opera, complete with mixed reviews and Teddy Neeley (who really is a good vocalist, by the way) from now until the 26th of March. It's where the Aquarius has always been.

**DOROTHY CHANDLER PAVILION** at the Music Center is having a Monday night special on the 13th: Joni Mitchell ("*Did he really say Joni Mitchell?*" "*Of course he did. Weren't you listening?*" "*Sure, but I thought that promoters liked to make money by putting on concerts with big celebrities when people can go and see them.*" "*Yes, but Doug Weston is putting it on, and the only night the Troubadour is closed is Monday.*" "*Oh.*") and Jackson Browne, whose songs you have heard, but probably not done by him.

**FORUM** in Inglewood is actually having a concert on the Ides of March featuring, you guessed it, Black Sabbath and Yes. (For those of you not conversant with Roman dating, that is the 15th, a Wednesday.)

**FOX WEST COAST THEATRE** in Long Beach, flies along with Commander Cody and his Lost Planet Airmen, heroes of "Lost in the Ozone Again," all this weekend.

**HOLLYWOOD PALLADIUM** has the Kinks and Jo Jo Gunne in concert on March 9th.

**THE LONG BEACH AUDITORIUM** has an incongruous pair of concerts on the 4th and 5th: Marty Robbins (Does anyone remember "El Paso"?) of the country and western set on the 4th, followed by the Allman Brothers and Alex Taylor on the 5th.

**THE SANTA MONICA CIVIC AUDITORIUM** has Laura Nyro in concert on the 3rd and 4th.

Finally, **THE SHRINE AUDITORIUM** is featuring a benefit concert for the defense funds of Angela Davis. On the bill of the

### About The Mall

#### Dramatic Duo,

by Etaoin Schroedlu

Can anything be better than spending an evening listening to a beautiful voice singing? Certainly; spending an evening listening to two beautiful voices, singing solo and ensemble, and bringing down the house. Such was the good fortune of the Beckman Auditorium patrons present at last Saturday's dual recital of Mary Costa and Shirley Verrett. Singing dramatic duets and breathtaking solo numbers, captivating the audience, entertaining with a catty encore, Misses Costa and Verrett gave a performance of a sort not often seen.

Blazing their way through a program including works by Mozart, Brahms, and the unjustly-forgotten Purcell, soprano Costa and mezzo-soprano Verrett amply justified their international reputations in operatic and recital performing. It is rare that two virtuoso performers are able to perform as well together as separately, and Miss Costa's regular accompanist was unable to appear for the performance, an added handicap, but the final product left nothing to be desired. At any rate, the audience wasn't complaining; they received two encores. The classical and operatic music aficionados in the area have rarely had such a delightful time.

This weekend Beckman Auditorium features Nana Mouskouri and the Athenians, a return engagement of a smash success.

#### Impressionists

by John Tristano

Two losers were shown at Ramo Auditorium in the Museum Without Walls series last Wednesday and Thursday nights under the titles of *Le Corbusier* and *The Greek Temple*.

*Le Corbusier* was a boring exhibition of buildings that Le Corbusier designed. The best photography was of his works in India, and even there the clashing of his ultramodern monstrosities with the poverty of the masses was of more interest than the architectural work. There was also a hint of the human element

benefit are Donald Sutherland, Quincy Jones, Aretha Franklin and Sammy Davis Jr., as well as several others. This Benefit is on the evening of March 4th.

If all of the above is not enough for your entertainment-starved little minds and bodies, then just go back to your trolling, because you're already a lost cause.

—Smithnik

supplied by some random scenes of models found in the movie from time to time. But in all fairness to the makers of *Le Corbusier*, it must be noted that this film was of great interest in comparison to the second film.

*The Greek Temple* was an excellent film for those who have an overwhelming interest in Greek Architecture. It detailed every part of at least six different Greek ruins, showing *where* and *how* every single brick was laid.

Tonight *The Cubist Epoch*, and *Germany - DADA* will be screened. Both topics are fairly modern and, hopefully, the films will be better than last week's.

### Spectrum Productions

#### Debuts in March,

#### Brings Amphitryon

Spectrum Productions, the newly formed, paraprofessional theatrical organization at Caltech, makes its debut with two performances of *Amphitryon* by Moliere, in a new English translation by Oscar Mandel, on Thursday and Friday, March 30 and 31, at 8:30 p.m. in Ramo Auditorium.

The legend of Amphitryon dates from Homeric times: Jupiter falls in love with Alcmena, Amphitryon's wife, and gains admittance to her by impersonating the husband. To help matters along, his emissary, Mercury, disguises himself as Sosia, Amphitryon's servant. When the dust settles, Alcmena is pregnant, and Amphitryon is placated — more or less — by the announcement that the offspring will be none other than Hercules, the greatest of all heroes.

The cast includes Justin Tradyr (Amphitryon), Abel Franco (Jupiter), Mike Olton (Mercury), Susan Burke (Alcmena) and others. Shirley Marneus directs and Barry Frost is technical director and in charge of the sets.

Tickets are on sale now. For information, call 793-7043.

### Art Show

Continued from Page Four and most representative student art work from each high school. Featuring art works in many media, the exhibit will include: ceramics, jewelry, macrame, paintings, drawings, and photography created by students from John Muir, Blair, Pasadena, Foothill, St. Andrew's, Polytechnic, La Salle, and Westridge.

This all-media festival is sponsored by Pasadena Public Library Young Adult Services. There is no admission charge.

"A comedy as hard-edged and sparkling as a diamond. It's Otto Preminger's best film in years."

—KEVIN THOMAS,  
L.A. TIMES

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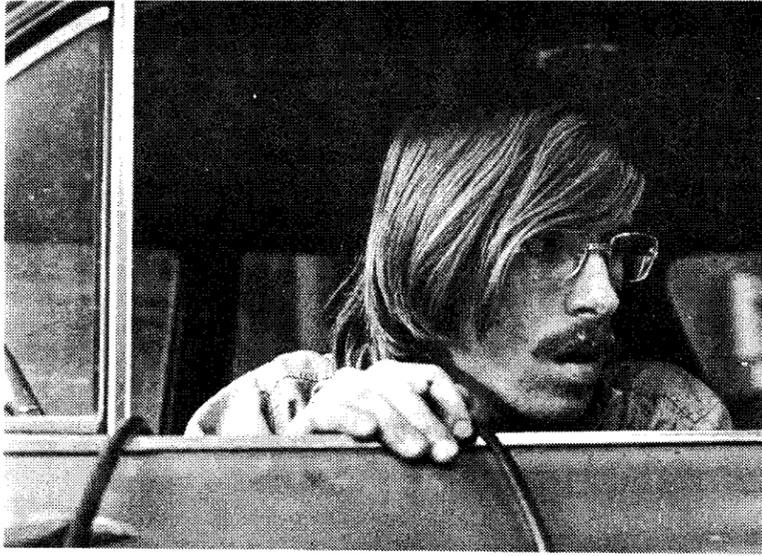
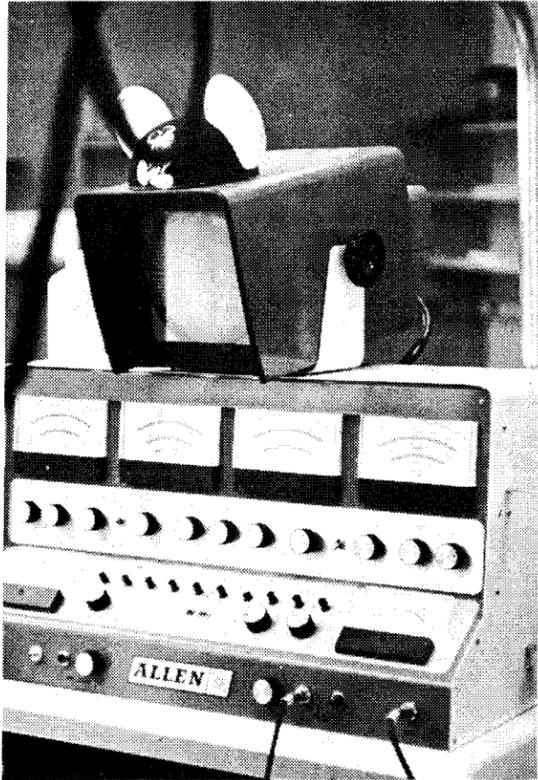
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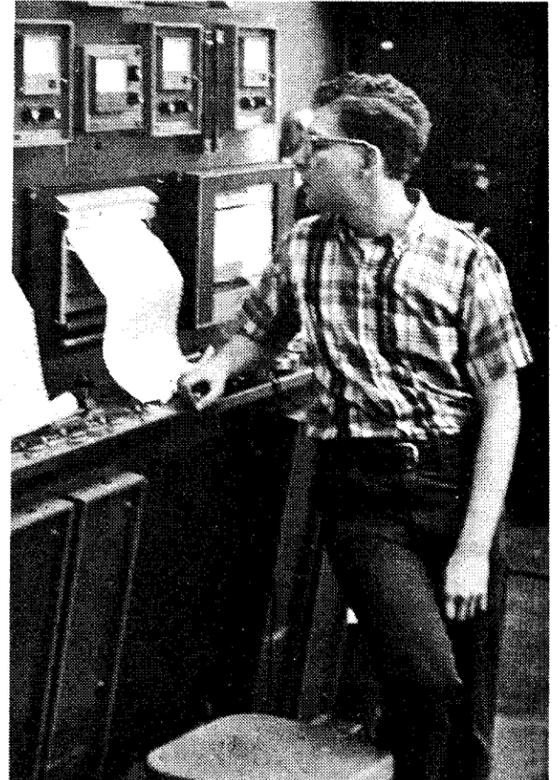
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**CALTECH FORUM**

Dear Jeff Mallory:

I wish to express a strong objection to the way your enclosed news story is slanted.

Would Beverly and the other Ricketts members be less hurt if you had simply said they were set upon (or attacked?). Why was it necessary to say "Mexican-Americans"? Would you have said Irish, or Scotch or German? I think not.

These are the things which create unnecessary hostilities. It also tells a thing or two about you.

Why were four Mexican-Americans labelled "gang". If these 4 were a gang, were the 3 Ricketts students not also a gang? Think on it.

You and others like you should try to create an atmosphere of good will to improve the relations of people and bring harmony and peace to our world.

Regardless of a man's race he should be punished for his wrong doings.

Sincerely,  
—Mrs. Eulah Johnson

names. Our pride in being Techers and our identification with that label is just as evil, criminal, and sinister as that of the Chicanos. Talking with several students and one of our two Mexican-American students, I found no offense was taken at my article.

My motive in using these two names in my article was solely for purposes of description, according to the information given me. Had the attackers been Anglo, they would have been described as a white gang. I regret that there are those who interpret any use of a minority group's name as degrading, and can only say that it is their inference, not my implication.

This issue is a main part of the racial problem today, and it is part of our responsibility to try to correct this. I am not unbiased, and I do not like being prejudiced, but I do think this dispute has made me look a little closer at what I believe in. In this year of elections especially, it would be a good idea if everyone re-examined their beliefs.

—Jeffrey J. Mallory

**Lear Comes To Ramo**

Bill Lear, of jet, electronics and steam car fame, will be on campus next Monday, March 6. Lear has a series of meetings with Dr. Brown and EQL and CACP people, as well as an open discussion to be held in Ramo Auditorium at 4:00 p.m. The seminar is planned to start with a talk by Lear on his steam turbine work at Lear Motors, and close with a question and answer session.

*A Early 2001?*

**Pioneer Voyage to Jupiter**

Does the planet Jupiter, which resembles a small, frozen star, radiate more energy than it absorbs from the sun? Is its over-all chemical composition the same as that of the sun?

These key questions will be answered when the Pioneer F spacecraft flies by Jupiter at a distance of some 150,000 miles some time near the end of 1973 to give man his first close look at that giant planet. The spacecraft is scheduled for launching from Cape Kennedy between Friday (Feb. 27) and March 13.

The amount of heat that Jupiter radiates will be measured by infrared detectors in an experiment conceived by Drs. Guido Munch and Gerry Neugebauer, professors at the California Institute of Technology, and staff members of the Hale Observatories.

"If Jupiter is radiating more heat than it obtains from the sun, the most likely source of the heat is the slow contraction of the entire planet and the consequent release of gravitational energy," said Dr. Munch, principal investigator of the infrared radiometer experiment for the National Aeronautics and Space Administration.

Jupiter is the largest planet, more massive than all the others combined and 318 times more massive than the earth. Although it is nearly ten times the diameter of the earth, it is only about one-quarter as dense. The pressure at the center of Jupiter must be enormous — some 100 million times the earth's atmospheric pressure.

The low mean density can be understood only if the planet is mostly composed of hydrogen. In composition the planet resembles the sun more than it does the earth.

The Pioneer F radiometer experiment will determine how similar in helium content are Jupiter and the sun. The abundance of helium relative to hydrogen will be measured on the basis of an effect studied in a doctoral thesis by one of Dr. Munch's students, Dr. Laurence M. Trafton, now at the University of Texas. Hydrogen at high pressure becomes opaque in the infrared and produces a "greenhouse effect" in Jupiter.

The solar radiation reaches deep layers of the atmosphere but does not escape rapidly. However, the transmission properties of hydrogen depend on whether it is pure or mixed with helium. The Pioneer F experiment will define the relative amounts of both helium and hydrogen from the measurements of the transparency of the Jovian atmosphere at two different wavelengths of the infrared spectrum.

The radiometer is similar to those used in two Mariner Mars spacecraft. It uses a three-inch telescope, weighs only 4.4 pounds and consumes only 1.3 watts of power. It will provide a thermal map of the disk of Jupiter with a resolution of 1,500 by 435 miles at closest approach.

The lowest temperatures that will be measured are around 300 degrees below zero Fahrenheit.

In addition to Dr. Munch, the experimenters are Dr. Neugebauer, Dr. Trafton, and Stillman C. Chase of the Santa Barbara (California) Research Center.

**LATE SCORES**

**Baseball:**

Rio Hondo 7, Caltech 1

**IH Volleyball:**

Dabney def. Ricketts  
Fleming def. Page  
Ruddock def. Blacker

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# Tennis Team Splits Pair Against Conference Foes

The varsity tennis squad split their matches last week, winning from Whittier 5-2 and losing to Claremont-Mudd 9-0.

The decisive match at Whittier was Jeff Shellan's win in second singles. The victory gave the Beavers a 4-2 lead with the doubles remaining. When Dave Beatty and Dave Dummit won second doubles the match was over.

Claremont-Mudd was just too good for the Tech squad. Ken Pischel and Andy Chow could not play, and when Dave Beatty injured himself, Tech was caught short-handed. It looks like Claremont-Mudd will give Redlands a run for the conference title this year.

### Caltech 5, Whittier 2

Singles: Cox (W) d. Pischel (CIT)

6-4, 7-6. Shellan (CIT) d. Gray (W) 4-6, 7-6, 6-4. Chow (CIT) d. Hjalmarson (W) 6-1, 7-5. Kidd (W) d. Beatty (CIT) 6-1, 6-4. Dummit (CIT) d. Tokoshige (W) 6-2, 6-1. Jacobsen (CIT) d. Escamilla (W) 6-1, 7-5.

Doubles: Pischel-Chow (CIT) v. Gray-Hjalmarson (W) [not played]. Beatty-Dummit (CIT) d. Cox-Tokoshige (W) 6-3, 6-4. Natakui-Eisenhart (CIT) v. Kidd-Escamilla (W) 6-4, 5-5 [not finished].

### Claremont-Mudd 9, Caltech 0

Singles: Cooley (CHM) d. Shellan (CIT) 6-1, 6-0. Cox (CHM) d. Beatty (CIT) [default]. Baxley (CHM) d. Dummit (CIT) 6-3, 6-3. Smith (CHM) d. Nakatsui (CIT) 6-1, 6-2. Kander (CHM) d. McCrea (CIT) 1-6, 6-3, 6-0. Waterhouse (CHM) d. Eisenhart (CIT) 6-2, 6-0.

Doubles: Cox-Baxley (CHM) d. Eisenhart-Nakatsui (CIT) 6-3, 6-2. Smith-Waterhouse (CHM) d. Dummit-Shellan (CIT) 6-1, 6-2. CHM won third doubles by default.

# Kleinsasser Sets Tech Mile Mark

The track team came close to winning at Claremont-Mudd Saturday, but finally succumbed to defeat, 74-57. Strong individual performances marked the event, however, with Alan Kleinsasser winning both the mile and 880-yard races.

Kleinsasser's time in the mile - 4:20.8 - is a new school record. He also took the half mile in 1:57.6. The only double winner for the Tech thinclads was Haywood Robinson, who won the 100-yard dash in 10.0 seconds and the 220 in 22.8.

Charley Almquist won the 440-yard intermediate hurdles and placed third in the high hurdles. Monte Ragland won the discus and finished third in the shot put. The 400-yard relay team also won their event.

Next Saturday's meet is at 1:30 p.m. at Pomona.

### IH Volleyball

Fleming def. Ricketts  
Page def. Lloyd  
Ruddock def. Dabney

# Doubleheader Loss Puts Beavers' Record on Downhill Streak

by Furdrick J. Furd III

The baseball team lost both ends of a twinbill to L.I.F.E. last Saturday, 11-3 and 10-3. Walks and errors hurt the team in both games.

In the opener L.I.F.E. jumped out to an early lead against pitcher John Ellis, and Tech just couldn't catch up. In the third inning, Tech scored its first run, on a walk with the bags full. Two innings later, Tech rallied for two more runs. At this point the visitors seemed on the verge of a comeback. But this was not to be. The Beavers could not push any more runs across, despite the runners being in scoring position almost every inning. Gschwend relieved Ellis for the last inning and retired the side without a run.

The nightcap began with a pitching duel featuring Tech pitcher Richard Mitchell, whose family cheered on from the stands. L.I.F.E. started hitting Rich heavily in the second inning, however, and he later yielded a two-run homer to the L.I.F.E. power hitter. Tech managed to score only three runs, two of them in the final inning.

# Swim Team Smashes Chapman; Aims for Third in Conference

by Bob Kieckhefer

The Caltech swimming team finished its dual meet season last week with a 62-31 victory over Chapman College (which is best known as the last owners of the Queen Elizabeth). Tech swimmers dominated every race, winning 8 of the 11 events and picking up many second and third places.

Tech went ahead 7-0 at the start of the meet as the medley relay team of Max Kay, Russ Desiderio, Jim Jakway, and Steve Sheffield swam to an easy victory. Chapman narrowed the gap to 11-5 with a victory in the 1000-yard freestyle, but this was as close as they got.

Teachers won 7 of the next 8 individual events, with Tim Hight and Steve Sheffield scoring two victories apiece. Max Kay, Russ Desiderio, and Don Keenan (well, basketball season is over, isn't it?) were also victorious; every Teacher who suited up for the meet scored at least one point.

This victory gave the swimmers a 3-6 record in dual meets. Two of the meets were not lost until the final relay had been swum, however; with a little luck the team might have posted a 5-4 record.

The SCIAAC swimming finals will be held tomorrow at 3:00 at the Alumni Pool. Based on the prelims, held yesterday, Claremont and Occidental will have a close fight for first place. Far behind these superpowers will be Caltech and Pomona battling for third, with Redlands having an

outside chance of finishing third or fourth. The final standings may be largely decided by the results of today's diving finals at Claremont-Mudd - a good showing by Tech's divers would seriously hurt Pomona's and Redlands' chances of placing third.

Timers and judges are desperately needed for the meet tomorrow - this is a great opportunity to sit in the sun and do almost nothing, especially for all you Page Dudes who don't have an Interhouse volleyball game to distract you.

# NEWS BRIEFS

Continued from Page One

### Interhouse Bridge Tournney Planned

The interhouse bridge tournament will be held sometime during the first few weeks of third term. If you are interested in entering a team, please contact Loring Craymer, 60 Fleming, so that playing times may be arranged.

### ASCIT Concerts Site Change

Friday noon-to-one ASCIT concert will be at the Ricketts-Fleming Courtyard. Dining room tables will be moved out so that Teachers can eat lunch outside. People of Page, Lloyd, and Ruddock might want to eat lunch in south complex on Friday afternoons.

# Yield Sports Menu

Thursday, March 2		
1:00 p.m.	Golf	La Verne Away
2:30 p.m.	S.C.I.A.C. Diving Competition	at Claremont/Harvey Mudd
3:00 p.m.	Varsity Tennis	Pasadena College Home
Friday, March 3		
9:00 a.m.	Western Intercollegiate Fencing Championships	at U.C.L.A.
2:30 p.m.	S.C.I.A.C. Swimming Finals	at Caltech
Saturday, March 4		
9:00 a.m.	Western Intercollegiate Fencing Championships	at U.C.L.A.
12:01 p.m.	Baseball	L.I.F.E. (2) Home
1:30 p.m.	Varsity Tennis	La Verne Home
1:30 p.m.	Track	Pomona Away
Sunday, March 5		
9:00 a.m.	Western Intercollegiate Fencing Championships	at U.C.L.A.
Monday, March 6		
12:30 p.m.	Golf	Whittier Home
Tuesday, March 7		
3:00 p.m.	Baseball	Occidental Away
3:00 p.m.	Varsity Tennis	Pomona Away
3:00 p.m.	JV Tennis	Pomona Home
Wednesday, March 8		
3:00 p.m.	Track	Occidental Home
Thursday, March 9		
1:00 p.m.	Golf	Redlands Away
March 9, 10, 11 NAIA National Wrestling Championships at Oregon Tech		

# No News Is...

# Wrestlers End Best-Ever Season; Finish Fifth in District III Tourney

by H. P. Schnurrd

I have some good news and some bad news. First, the good news:

On Saturday, the wrestling squad finished off a quite successful season with a fifth place in the NAIA District III Championships. Our overall 15-1

dual meet record and SCIAAC co-championship make this year's team quite possibly our best ever.

Individual honors at the tournament went to Randy Lewis, Ken Walker, and Gary Zieve, placing third at 126, 142, and 150, and to Vince Fratello and Rik Smoody, fourth at 158 and 190.

Prospects for next year look good; although we lose two outstanding wrestlers in team captain Lewis and Bruce Johnson, most of this year's squad was young, and a year of experience should help us considerably.

Now for the bad news:

As the wrestling season is now over, H. P. Schnurrd must disappear into the void beneath Millikan, to reclaim his throne as king of trolls.

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# ASCIT Agenda

Continued from Page One

1. Approve minutes. House secretaries are responsible for posting the BOD minutes. Let us know if this is not done and we'll dump on the appropriate people.

2. Morin's Reward and Punishment Ceremony. Delegation of authority is a useful presidential technique if it gets things done. Joe will distribute pats on the back and kicks in the ass to deserving individuals.

3. Report of Directors at Large on Committees and Appointive ASCIT Offices. Simay and Land are to recommend which positions should be scrapped (like Honor Point Committee) and which jobs need appointments. Nominations officially open at 4 p.m. Thursday, 2 March. To be considered, submit your name to Simay (Ruddock) or Land (Fleming).

4. Bookstore. Based upon the assumption that ASCIT members think that the bookstore is a rip-off, we will discuss possibilities of turning the bookstore into a student co-operative (student jobs, more reasonable hours, lower prices, student controls, etc.). A committee will be established to make this change happen soon, if there appears to be adequate student support.

5. Co-op Housing. The Institute owns a number of houses near the campus which are generally not available for occupation until B&G finishes minor repairs (approximately 5 years waiting period from date of acquisition). A committee will be set up to work with Dave Smith to establish rental of this housing to undergrads and grads and to operate some form of a co-op food plan to buy at wholesale prices.

6. Winnett Student Center. The BOD wants to put Winnett

to better use for the benefit of the entire student body. Immediate plans include moving the TV from the lounge to Clubroom 2 so that activities can be held in the lounge without making the boob tube watchers POed. Many ideas will be discussed regarding the short and long term plans for Winnett.

7. H.M.S. Pinafore Budget Request. I predict that this item will be tabled for one week until the budget planning meeting. The ASCIT musical group is asking a pledge of \$400. They claim that, with luck, ASCIT may have to pay only a small fraction of that \$400, if any. The sole purpose of the pledge is to serve as insurance for the musical.

8. Report on Faculty Committees. Recent actions include the recommendation of the Undergraduate Academic Standards and Honors Committee to the Faculty Board that add and drop days be moved to the last day of the term. ASCIT representatives will be present at the Faculty Board meeting to push for this sorely needed reform. Sharon Spivak will report on other plans for academic innovations. Bring your ideas - we'll give you time to tell us about them.

9. Rap with YMCA and GSC Representatives. Assorted grad students and YMCA representatives have been invited to participate in a discussion about ways they can work more closely with ASCIT.

10. Unexpected Business. This category includes presentation of half-baked ideas (by BOD members and other random trolls) which warrant further investigation and action.

Come to the BOD meeting and see your name in print on the very next edition of the minutes. Y'all come.



Rick Martin, IHC Chairman



Joe Morin, President



Jim Price, Director of Student Life



Sharon Spivak, Director of Academic Affairs.



Jim Hugg, Secretary



Rik Smoody, Ath man



PWB, GDC, JJM Smiling Tech Editors



John Lehman, Social Chairman



Russ McDuff, Vice President



Greg Simay, Director at Large



John Land, Director at Large



Steve Kelem, Activities Chairman



Steve Wat, Treasurer

-Photos by Louks

-Layout by Ralston-Purina

## Humanities Project Grants

The National Endowment for the Humanities has begun a program of grants for support of humanities projects initiated and conducted by young people. Created in line with a recommendation made last year by the National Council on the Humanities, the new program - called "Youthgrants in the Humanities" - will consider applications from both students and young persons out of school. The program will offer young people an opportunity to translate their educational and ethical concerns into concrete projects and to reflect critically on their own beliefs and values as well as those held by the larger society.

March 17th has been set as the first deadline for "Youthgrants" applications for projects scheduled to begin during the summer of fall of 1972. Proposals will be evaluated comparatively by a panel of young people prior to submission to the National Council on the Humanities, which makes final recommendations on all applications for Endowment grants.

Further information about the program, including eligibility, application procedures, and grant requirements is contained in a brochure available without charge from: Youthgrants in the Humanities, National Endowment for the Humanities, Washington, DC 20506.

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