

# Uncle John Wants You For the Baxter Festival

by Malcolm Handte

The Baxter Works Committee, headed by John Bennett, will hold an important meeting tonight at 8:00 p.m. in Clubroom Two, Winnett. The purpose of the meeting will be to set in motion the committee's plans for the opening of Baxter Hall, which will be celebrated after sundown on May 23. People and equipment are still needed for several of the projects.

The committee's goal is to make the Baxter festival something more than the social ritual of a typical building opening. Instead, they envision a broader celebration, one that would highlight Baxter's striking (and expensive) architecture,

while at the same time emphasizing the importance of its role as the new home of the Humanities at Caltech. The festival will include as participants and guests both on and off campus members of the Caltech community.

## Guidelines

During a series of meetings which began early in second term, the committee devised the following set of guidelines: (1) Rather than construct an extensive art and technology show of questionable artistic merit, efforts will be confined to highlighting the building itself, in a variety of frequently surrealistic and principally optical ways. (2) The courtyard in front of

Baxter [to be known as the "Court of Man"] will be used to [in the words of the committee] "emphasize Man in a very personal, friendly, communicative, and interactive way." The intent is to counterbalance the stark geometry of the building with the humanism of the disciplines that will occupy it. (3) Several activities will take place inside the building, thus creating an atmosphere of openness and welcome, and at the same time allowing Baxter to "participate" in its own opening.

## Current Plans

Current plans for the exterior displays include fog, laser project-

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# The CALIFORNIA Tech

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## Aero 241

### Make Up Your Mind!

by Paul Levin

Everybody has to make decisions. In our society they are as necessary as birth, death, and taxes. Yet most of these decisions are made without recourse to logic according to Dr. Ronald Howard, Professor of Engineering-Economic Systems at Stanford. He claims this is fortunate. If every decision was made logically, decisions analysts would be out of business.

According to Dr. Howard intuitive decision-making is not at all bad in most cases. In fact, it would be waste of time for many everyday problems. But on large matters or complex ones this type of decision-making leaves one groping for a somewhat more positive reason on which to base the decision.

Most decision-making has another bad characteristic: people tend to equate the quality of the decision with the quality of the result. Take, for example, a game in which the contestant must call the toss of a coin. If he is right, he wins \$100; if he is wrong, he wins nothing. If you paid \$5 to play the game and lost, you would call it a bad decision (to play), but if you paid, played, and won, you would call it a good decision. Logically, though, the decision to play was a good one, assuming the coin was fair.

## To Be Or Not To Be?

In making a logical decision, the goal of decision analysis, one must consider three factors: value assignment, time preference, and risk preference. Imagine that you are afflicted by a certain disease. The doctor tells you that there are two ways of curing it: a) a wonder drug, or b) one day in the hospital with terrible pain ("like having four wisdom teeth removed without an anesthetic"). If either treatment is free, your choice is obvious.

Imagine that each cure has a price tag. (Wonder drugs cost money, you know.) If the hospital treatment costs \$n and the wonder drug costs \$(n+x), how big can x get before you will decide to go to the hospital?

You are now told that if you elect the hospital cure, you will have to go through the same agony once a year for the rest of your life. Now how large does x have to be before you will go to the hospital?

Suppose that the cures are free and that just one day in the hospital will cure you forever. Your doctor now tells you that there is a probability p that the wonder drug will kill you. How large does p have to be before you will go to the hospital?

Yes!

In these cases you were really asked: What value do you place on physical pain? What is time worth to you? What risk are you willing to take? Dr. Howard posed one more question: In the last case, how much would you be willing to pay an honest clairvoyant for certain knowledge of your recovery or

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Dr. Ronald Howard

### Tech Is Out For Blood!

by David Peisner

Do you feel like doing something different outside of the usual grind tomorrow? How about giving blood? Tomorrow, between 11:00 and 3:30 the Red Cross will sponsor the annual Caltech Bloodmobile at Culbertson Hall.

The blood program is a service that was established by the Red Cross to provide almost half the whole blood required by civilian hospitals throughout the nation. The benefits of the program are far ranging. They include the use of whole blood for operations (up to 12 pints or the equivalent amount of blood in your body is required for a single open heart operation) and blood derivatives for treatment of shock, burns, anemia, measles, liver and kidney diseases, and many other diseases.

It generally has been a misconception that a donor had to be 21 to give but the Red Cross recently changed the rules to allow anyone over 18 with certain qualifications to donate one pint of blood. Unfortunately, if you are unhealthy under 110 pounds, or have been tattooed within the last six months, you are ineligible.

As an extra added attraction, the Hertz-Rent-A-Car agency on Colorado Blvd. (the same company that gives special week-end rates to Caltech students) has agreed to donate the use of a car for 200 free

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## Beckman on Beckman

### Cary Lu Breaks Records at Beckman

by Peter Beckman

In the introduction to Monday night's Beckman Lecture it was noted that the speaker, Cary Lu, was setting two new firsts. Not only was he the first graduate student to give a Beckman Lecture, but his title, "The Contribution of Progressive Myopia to the Rise of Impressionism: Visual Problems in the History of Art," was the longest title ever given to one of the Monday night talks. The lecture ended with a third record — the longest ovation given at the Lectures this year.

This was understandable in light of the excellence of the presentation. With rare flair Mr. Lu used Beckman's visual facilities to the fullest, and he usually had four or five slides projectors working simultaneously. They were used in parallel to compare works of art, and in series with each unit projecting part of a painting so that the whole work showed on the screen tremendously enlarged.

## In the Eye of the Beholder

In the first part of his presentation, Mr. Lu explained optical diseases and deficiencies and compared the works of artists who may (or may not) have suffered from the diseases.

Myopia or nearsightedness, affected several important impressionist painters. Renoir was definitely myopic while Cezanne may have had myopia and other eye problems related to his diabetes.

Other eye diseases have plagued artist throughout history. El Greco and Hans Holbien have been accused of astigmatism, where the horizontal and vertical components of the image do not focus to the same spot, because of the elongation of their painted figures. These are actually due to the artist's styles, since astigmatism as large as the pictures would indicate would cause effective blindness. One painter, John Singer Sargent, was truly astigmatic, but this shows up in that the colors he used were not in the proportions of the figures.

## Usually Needs Glasses

One problem, which affects everyone, is presbyopia, the stiffening of the eye's lens due to the aging process. This is apparent in the works of Rembrandt and Titan. As the artists grew older and lost their ability to focus their eyes closely, their paintings grew less sharp.

Other artists were affected by cataracts, where the lens clouds, and

Continued on Page Three

## Trustee Bechtel To Visit Tech

Stephen Bechtel, Caltech trustee and president of the Bechtel Corporation, will give a seminar in Winnett Lounge next Wednesday. He will discuss Bechtel Corporation, one of the largest engineering firms in the world, the role of its engineers, and the corporation's role in the world today.

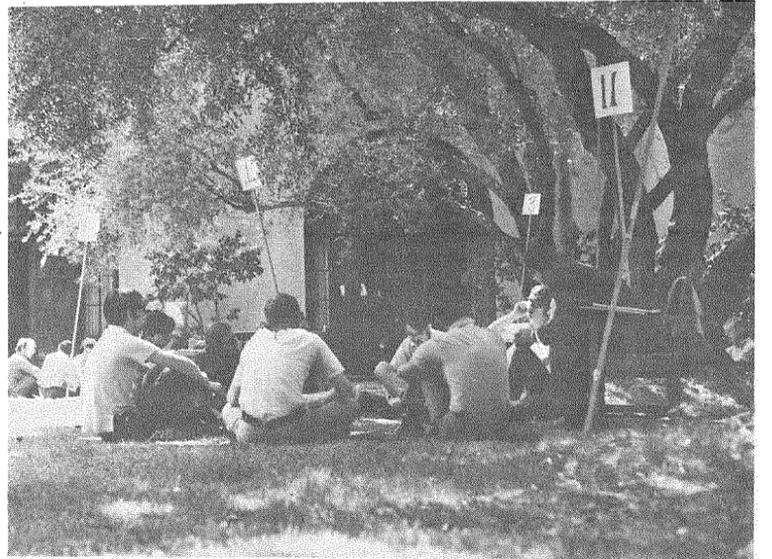
This will be part of a one-day visit to Caltech by Bechtel. It will include coffee and lunch in the student houses and visiting an Env 112 class. Wednesday night Bechtel will meet with student leaders in the Athanaeum.

## World Wide

The company which Bechtel heads is in charge of large construction projects throughout the world. Bechtel Corp. is one of the chief contractors for the Bay Area Rapid Transit District, and is deeply involved with the Navajo Generating Station project which will use coal as fuel.

The following Saturday, a tour of the Bechtel Corporation plant in Vernon has been arranged for Caltech students. The number of participants is limited so everyone interested should sign up soon in Louise Hood's office.

## Reorientation



Interested Frosh discussed their problems while eagerly awaiting Stottlemeyers sandwiches at Saturday's Freshman Education Workshop. Later they were able to talk informally with faculty members at the Y-sponsored event.

Editorial

# Guilty as Charged

The wheels of justice grind slowly, so they say. Months elapsed between the commission of the crime and its detection. Additional months passed before prosecution of the perpetrators began. The trial itself lasted four months, one of the longest and most complex judicial proceedings in history. But a few weeks ago, the wheels of American justice, military version, ground out a verdict of guilty for William Calley on multiple charges of murder. A sentence to life imprisonment followed.

The trial can hardly be called a whitewash. So much testimony was heard that the jury had to have some of it read back to refresh their memories of words spoken four months prior. Calley had the best legal counsel, and was afforded every opportunity to present a defense.

The jurors had every personal and professional interest in seeing Calley acquitted, yet they found him guilty as charged. In light of such a decision and the enormity of the charges against him, we cannot fathom the reaction of the public in making a hero of Calley.

Calley stands convicted of the premeditated murder or scores of civilians. He had time to reflect on the deed beforehand, yet he committed it anyhow, and committed it with ruthless precision.

That civilians die in war as a proximate result of military action marks one of the most profound tragedies of combat. Some would have us believe that an individual who, even in combat, causes the deaths of innocent civilians is as guilty as Calley. We feel, however, that bad as that might be, the premeditated slaughter of civilians held prisoner must be judged more pernicious.

At some point, individuals must take responsibility for their actions. A military officer is admittedly under the duress of his obligations to the orders of his superiors, but a basic legal principle holds that the threat of death or great injury may be used as a defense against any charge except one of murder. We have enforced this doctrine on enemies we have vanquished in war; it is only fitting that we enforce it upon our own armed forces.

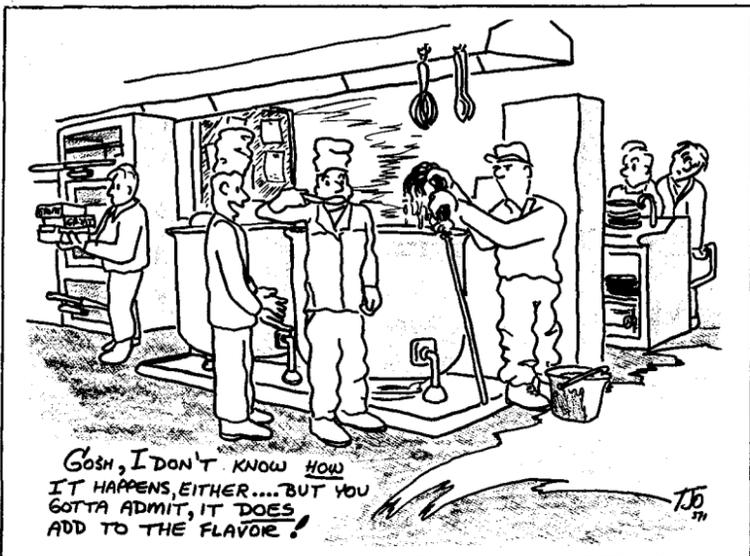
Another principle holds that a superior officer may be held accountable for the actions of his men. That will doubtlessly be a key issue in the upcoming court-martial of Calley's immediate superior, Captain Medina. We can only anticipate another long and complex trial in that case. However, it would be unfair of us to prejudge that case in these columns.

In any event, the crime of murder, deliberate and premeditated, cannot be excused on account of military regimentation or combat pressures. The crime carries with it individual responsibility. That responsibility must be applied all the way of the chain of command. It has the highest-ranking general in its grip as firmly as the freshest recruit or draftee.

We cannot accept a portrayal of Calley as either a martyred hero or as the unlucky scapegoat. He must take personal responsibility, as must his superiors, for actions taken. Let justice be done although the heavens fall.

—Philip M. Neches  
—Paul A. Levin  
—Peter W. Beckman

The opinions expressed in all by-lined articles are solely those of the authors and do not necessarily represent the opinions of the editors or staff. Only the upper left corner of this page contains the opinions of the editors. (The first signer of each editorial is its author.) The Tech welcomes letters but reserves the right to cut those over three hundred words if such cuts will preserve the original meaning of the letter.



## Caltech Forum

# We Get the Strangest Mail From People

Dear editors:

A few weeks ago there took place in Pasadena a cultural even -- Captain Beefheart & His Magic Band created a Saturday night at the Pasadena Civic Auditorium. In light of happenings since that time, with considerations of our own pubescent condition, Capt. Beefheart takes on meaning of primary importance. What he does is play rock -- not "Life at Leeds" bowling music, but loud, faster, and driving. On first sampling, formless, cacophonous.

Ed Marimba open the set, in a suave bathrobe he observes the audience thru opera glasses, simultaneously firing a toy ray gun (that sparked) for the space of 7 or 8 minutes -- the silence punctuated by self-conscious giggles from the audience. A Jesus freak yells. Ed turns his ray gun on him. The band filters

on, one-by-one, and begins to play. On and on, waiting for Beefheart, they create, very tight, switching riffs every five seconds or so -- Rockette Morton whaps bass guitar, all the while twisting and sliding his body back & forth stagewise like another instrument. Zoot Horn Rollo follows on lead guitar Drumbo and Ed Marimba lay out the pulsating, macabre rhythms -- the band is independent, yet closely linked, and Beefheart patches them together with his clarinet and 4 1/2 octave range voice.

People begin to leave -- in small herds. Most left cannot believe the music -- it is complex, exhausting music and maybe no one understands it but those on stage. "Doctor Dark," "Hair Pie," and "Woe-Is-Uh-Me Bop" get done. Some of us there felt close, though. Just several blocks away from

Tech -- two different worlds that maybe aren't if we try. At Tech (despite that it is a college) lurks the madness necessary for such controlled creation. Only the very stupid and sometimes the very smart have a chance of escaping the choking righteousness acquired from all our schooling -- and at Tech we have these potentials. And still make money. Try.

—Pat Breene

## Throop Beat

# 331 Lunatics Admitted

by millikan troll

Apparently, the Administration found the recent Freshman Reorientation successful. One source called it "a good interchange." The indications were that "the main gripe was ... the old one about social life and the lack thereof." Apparently, the 4.3% female enrollment has not affected a large number of freshmen as much as they might hope.

The recent Freshman Reorientation marks the first time anything of the sort has actually been done, although similar ideas have been proposed in years passed. When asked if Freshman Reorientation might become a somewhat standard feature, our source replied, "Yeah, I think it's a good idea."

Top of the Week

Dr. Allen, Chairman of the Faculty, announced the appointment of an Ad-Hoc Committee on Independent Studies. The members are Barry Barish (chairman), Fred Anson, Fredrick Bohnenblust, Peter Goldreich, Floyd Humphrey, J. Knowles, Gerry Neugebauer, Thayer Scudder, and W. Wood. Ideas for ISP projects should be directed to them.

The Faculty Board approved exchanges with Scripps College on the basis as Oxy ... Freshman orientation will be held on campus this coming fall ... A new and

bigger fan will be installed for the Winnett darkroom.

331 Admits

The admissions committee has sent out offers of admissions to 331 lucky high school seniors, including approximately 45 women. An entering class of between 215 and 225 will probably result.

Some colleges have reported that with the rising expenses of private colleges, middle-income applicants are being squeezed out. Apparently those who have not the means to pay the bills nor are in sufficient need to guarantee financial aid have been turning more and more to public colleges and universities in preference to private institutions. A study is under way to determine if this effect can be discerned in Tech's entering classes ...

And Other Problems

As reported last week, last term witnessed an exceptionally high number of academic problems. Apparently, freshmen were not affected by this trend. About the same number of freshmen went before the Standards and Honors Committee as in second terms of previous years.

This week's Etaoin Shrdlu Award goes, without opposition, to the fossils of the U.S. House of Representatives, for passing a bill which both extends the draft and abolishes student deferments. Better luck with the Senate, frosh.

# Baxter

Continued from Page One

ions, a computer film projection, colored light projections, electronic music, alpha wave feedback experiments, colored light in the Beckman fountains, and "aromas wafting." Activities inside the building will include a plastics sculpture exhibit, and art and technology seminar and or sensitivity microlab, a static computer art exhibit, a dynamic computer art exhibit, polarized petrographic projections and a poetry reading.

People are needed to help with publicity (posters, radio), refreshments, the olfactory stuff (snuff?), the lights in the Beckman fountains, music equipment and especially the petrographic stuff (geo. people?). Come and help out.



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**NEXT WEEK**  
**100 RIFLES**

MONDAY, April 19, 1971

Food Cooperative group meets 7:30 pm in Winnett Lounge

TUESDAY, April 20, 1971

Meeting of students with the members of the Visiting Committee on the Humanities and Social Sciences, Winnett Lounge, 10:30 am. to noon.

Quality of Teaching group meets at 7:30 pm in Winnett Lounge.

WEDNESDAY, April 21, 1971

Seminar with Caltech trustee Stephen Bechtel, 1:30 to 5:30 pm in Winnett Lounge.

The Young Democrats have Lester Lees speaking at 7:30 pm in Winnett Lounge.

The Bridge Club meets at 7:30 pm in Clubroom One, while ZPG meets concurrently in Clubroom Two.

The ASCIT BOD meets in Clubroom Two at 10:30 pm.

THURSDAY, April 22, 1971

Dr. Paul Levine speaks on Transcendental Meditation at 7:30 pm in Clubroom One.

The Organic Gardening Club meets in Clubroom Two from 3:00 to 6:00 pm.

The Interhouse Committee takes over Clubroom Two for their meeting at 10:00 pm.

# Elizabeth Mahoney Discusses Education at PI 104 Class

by Alex Seita

In his book *Schools Without Failure*, psychiatrist and educational reformer William Glasser talks of training teachers who will excite children to learn. This past Monday night, Elizabeth Mahoney, a member of the Glasser team in training enlightened teachers spoke about "Innovations in Curriculum" before an audience of Teachers and Pasadena citizens. Currently an associate of the Education Training Center

(founded by Glasser) in Los Angeles, Elizabeth Mahoney has been involved in education for 25 years as a teacher and a principal. She was the second speaker for the Institute-Caltech YMCA sponsored course PI 104 (Educational Issues) which is held every Monday night at 7:30 in 25 Baxter.

Like an enlightened teacher, Elizabeth Mahoney moves enthusiastically into discussing the work of the Glasser team in training teachers who are sensitive to children's needs. She starts off graciously by

saying "Hi, I feel very privileged to be here," and then, with a rapid-fire delivery, talks of Glasser's philosophy and the Glasser team's accomplishments.

**Only Learn to Fail**

"The only thing you learn from failing is failure," states Mahoney, "and the way schools are structured now, someone has to fail, someone has to succeed. . . . As the current system exists, high school students are expected to enter college, but half of them don't go — so are they failing?" asks Mahoney. But she emphasizes that problems begin early in children's lives when school labels children too much (bright, average, handicapped): "We separate kids as failures or successes." This, she says, gives teachers a convenient excuse to give a "handicapped" child a handicapped education, not anticipating or teaching above the retarded level.

The Glasser team, states Mahoney, works to make teachers realize that children think and feel. "When a child is learning how to walk and he falls, you encourage him to walk again — you don't spank or scold him, or say that he's a failure," says Elizabeth Mahoney. "That's the kind of attitude that

teachers need to have." Teachers, she reiterates, must realize that children will withdraw (isolate themselves) or resort to delinquency when constantly failing, and that when a child views himself as successful, "he'll have love (esteem from others) and worth (self-confidence)."

**Reality Therapy**

The philosophy of the Glasser team rests in "Reality Therapy," educational techniques designed to make the teachers "listen to children in a new way." "We want teachers to verbally find out what kids think, to give questions to children and then getting immediate feedback so a teacher can instantly correct what's wrong," relates Mahoney. "We say to a child in a class, 'What are you doing? Will you involve the rest of the class in your discussion or problem? We want you to learn.'" Mahoney believes that in teaching, one must be able to communicate; the teacher should be someone who will listen, allowing children to expound their ideas without quickly stifling them if their ideas appear incorrect or ludicrous.

The more children articulate, more information is known of

them, states Mahoney, thus you can deal with their problems or deficiencies. The faults of our elementary school system have led to the turmoil that appears in high school and college when students question the relevance of present education and in young people who are also obsessed with the notion of identity ("I've got to be me, I've got to be important."). One has to start early in education, teaching children how the subjects they learn pertain to real life. One has to strengthen a child's identity because it controls his behavior; teachers should ask a child to make a value judgment of his actions in class — what he's doing, how it benefits him, how it affects others. This forces the child to recognize the real situation and to make a decision to continue or amend his actions.

**Absurd Situations**

Reality Therapy hopefully changes teachers to be responsive to children's needs, to affect children such that they will openly criticize teachers, each other, and rules for creating absurd situations (eg: memorizing the Presidents of the US in sequential order to pass an American History course to get into college). School rules such as "you must not run in the halls" and "you must not be late to class" can be contradictory and must be questioned. Education should enrich a person's life, not give him facts and figures to be quickly forgotten.

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## Beckman

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[believe it or not] color blindness. In truth, color blindness and color deficiency are by no means rare. In art they often show up in paintings with muted or exaggerated colors.

While an artist's eye may not be diseased, it is not perfect. Fast moving objects appear to it as blurs and perspective presents problems that geometry cannot cure. It is up to the artist, using his own values and style, to create his version of life.

\*\*\*\*\*

Next Monday night, Professor R. G. Bergman will speak at Beckman on "The Communications Gap in Science."

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The Critical  
**EAR**

Xenakis — Electro-Acoustic Music (Bohor I, Concert P-H, Diamorphoses II, Orient-Occident III) realized at the studios of the Groupe de recherches musicales de l'O.R.T.F. — Nonesuch H-71246

As with many of the avant-garde composers, Xenakis' works are experiments in style and form rather than in content. These works are recorded realizations in the form of musique concrete: non-instrumental sounds recorded and electronically modified to form a musical structure.

This type of music severely limits the reviewer's range of comments. Clearly the performance cannot be criticized. And to some, these works are merely noise, to be classed with the works of a construction worker who finds that he can play a tune on his jack-hammer. To others, this technique frees the musician from the finite sounds of traditional instruments.

But, no matter where your philosophy or tastes lie, these works of (music/noise) have a definite aural interest and excitement that, if not music, at least places the works above noise. Bohor I is probably the most intense. Xenakis starts with the jangling of Oriental bracelets and a Loation mouth organ as his sound source. Based on his philosophy of gradual, indistinguishable transformation within a cloud of events, Xenakis slowly moves these sounds, using speed change, splicing, delay, superposition, and other techniques, through a maze of complex sounds, climaxing in several minutes of unbelievably loud white noise.

The other works are not so dramatic. Using crackling charcoal, earthquake shocks, jet planes, and signals from the ionosphere as his sound sources, Xenakis constructs the works through variations in density and dynamic levels, developing many different means of transition from one kind of material to another. In the finished product, each piece has a character all its own.

Anyone seriously interested in music should hear these works, or at least ones in the same form.

However, you may not want to buy the works to hear them.

—E. Gansner

Bach Live at Fillmore East, Virgil Fox—Heavy Organ; Decca DL 75263

Virgil Fox, long one of America's most respected concert organists, has added a light show to his performance and set out on the rock circuit. Bach Live... is a recording made, surprise!, live at the Fillmore East. The musical content and sound quality are absolutely without distinction. Fox has included a Bernstein Youth Concert type narrative "selling" his music that borders on nauseating. The only novel feature, the light show, goes totally unrecorded—not even a picture for the jacket. There is no reason at all for buying this record.. Fox will appear in Beckman in October with the light show and if he improves (or eliminates) his monologue it should be a worthwhile event. **Music for the Balinese Shadow Play**, (Nonesuch H-72037) is also a recording bereft of its visual accompaniment but it survives the separation much more readily. Balinese shadows are an ancient entertainment in Bali with a lot of tradition which is explained in ample liner notes. The music itself is played on four instruments which are somewhat like xylophones. It has a rather monotonous but hypnotizing quality and is very listenable, something which is important to the Balinese since the plays last all night. This isn't going to be a smash hit by any means, but if you want something different in your collection you might consider it.

Another exercise in listenable monotony is provided by **Earth's Magnetic Field**. (Nonesuch H-71250) This is a computer synthesized (not written) piece. The "music" is based on the Kp indices of the earth's field recorded during 1961. The computer was then used to produce a digital representation of the music: Digital to analog conversion produces the finished product. The first side is a simple single line diatonic progression which exhibits a rather melodic

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The Tech



About Town

The Magic Mirror returns for your personal wonder and delatation! (For the benefit of the unfamiliar, the organization is: no age limit clubs with limited engagements, followed by special musical events listed by location, finishing up with continuing events and non-musical special things. Got that?)

ASH GROVE, at 8162 Melrose, is featuring Mike Bloomfield this Friday through Sunday. Ash Grove is primarily a blues club, so keep it in mind of that's what you want.

THE GOLDEN BEAR, at 306 Ocean [Highway 101 to you] in Huntington Beach, has Blues Image this weekend, along with two former members of Spirit. It's a long drive, but once in a while they have someone worth the effort.

THE ICE HOUSE, at 24 N. Mentor [near Lake and Colorado], has Rosebud (with Jerry Yester, I think) and Carol Kristy. That combination is probably worth the \$1.50 it will cost you with the kickback fund gone.

SHELLEY'S MANNE HOLE has Herbie Hancock at 1608 N. Cahuenga in Hollywood, and by almost superhuman restraint, I have suppressed a flood of Cahuenga jokes.

DOUG WESTON'S TROUBADOUR, at 9081 Santa Monica Blvd., has the first American appearance of a British group called Heads, Hands, and Feet. Their first album is being released now, too.

THE WHISKY A GO GO, at 8901 Sunset, breaks a string of mediocrity by having Hugh Masekela from now through Sunday. Now on to the musical one and two nighters.

THE ANAHEIM CONVENTION CENTER has only one concert coming up shortly, but it's a good one: JUDY COLLINS. She appears on April 23rd.

BECKMAN AUDITORIUM has [as if you didn't know] Terry Riley this very Sunday, and if there are any tickets left, I suggest you get one.

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starring richard benjamin frank langella carrie snodgress



THE DOROTHY CHANDLER PAVILION at the Music Center has some excellent classical music. On the 17th, the Glendale Symphony Orchestra (stop that snickering) conducted by Carmon Dragon will play Brahms, opera, and world premiers of something. On the 22nd and 23rd, the LA Philharmonic and Zubin Mehta finish the season with Itzhak Perlman playing Beethoven and Prokofiev.

THE EL MONTE LEGION STADIUM (somewhere in El Monte, I presume) contains Johnny Winter plus the entire Johnny Otis Show. The later puzzles me, since part of that show is somewhere else entirely. Anyway, JW is there on the 16th and 17th.

THE LONG BEACH ARENA has Ten Years After and Cactus on Man 2nd.

THE PASADENA CIVIC has two concerts in the near future: Arlow Guthrie and Swampwater on the 23rd; and Badfinger and Pollution on the 30th.

ROYCE HALL at UCLA has a few things too. Pianist Jakob Gimpel appears on the 16th, followed by the California Chamber Symphony on the 18th. Also, see the next section of listings.

THE SANTA MONICA CIVIC has It's a Beautiful Day, Cold Blood, and Elvin Bishop on the 16th.

THE SHRINE AUDITORIUM has Nina Simone and the Miles

Davis Quintet on the 23rd, the best jazz show for weeks around.

Now we move on to non-musical events, and there are some real goodies coming atcha.

The AHMANSON THEATER features "Design for Living" until May 1, a comedy which has received rather random praise.

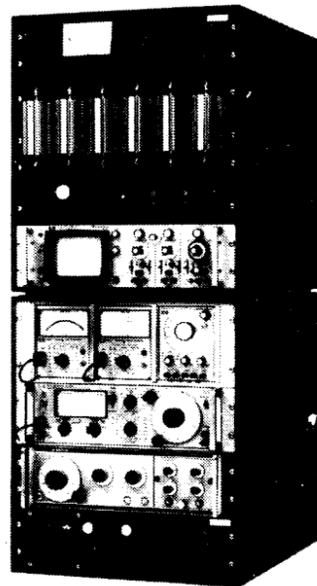
THE L.A. COLISEUM has the Royal Lipizzan Stallions of Austria in a 30 horse ballet on the 25th. The Lipizzans are some of the most beautiful and well-trained horses in the world.

THE HUNTINGTON HARTFORD THEATER now features the much-acclaimed play, "The Trials of A. Lincoln," starring Henry Fonda. That runs through May 1st, followed on May 6th by Carol Burnett and George Kennedy in "Plaze Suite."

THE MARK TAPER FORUM of the Music Center features James Earl Jones and Anthony Aerbe in "Othello." The only criticism of this version brought to my ear is that much of the play is spoken as prose. Otherwise it is said to be excellent.

Last but not least comes the ROYCE HALL goodie I promised you. On the 17th, Buckminster Fuller On Spaceship Earth is the title of the program. If you don't know who Bucky Fuller is, you don't deserve to survive the take-off.

—Nick Smith



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# L.A. Art Museum Features Cartoons

Currently at the L.A. County Art Museum is the Sixth International Animated Film Exhibition. There are twenty films, comprising a two hour show. Ranging in production techniques from "Vamos Al Cine," which was hand painted directly on film, to "Steel," a single image conformally mapped by a computer, the films share an excellence of conceptualization and implementation far above the more familiar Looney-Tune type cartoon.

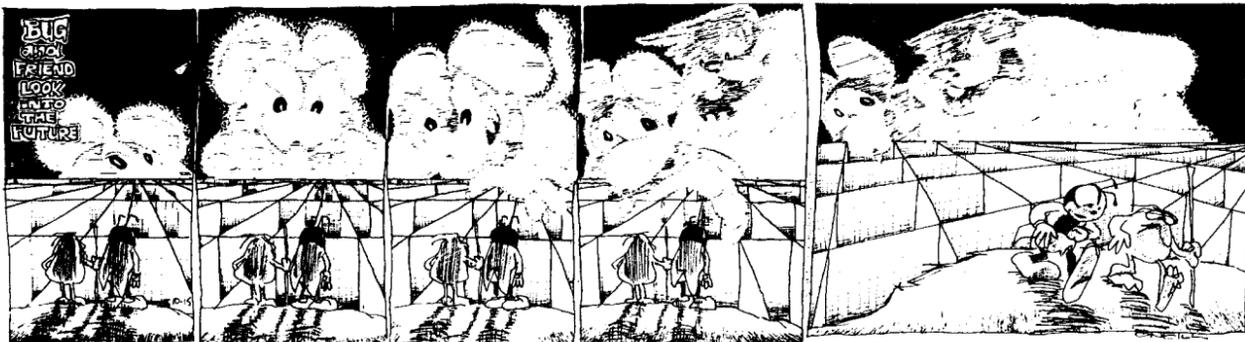
Although the films are generally based on some theme of social significance (e.g., over-population, ecology, etc.) they all exhibit a fine sense of humor. Shorts such as "Vamos Al Cine," "First Man on the Sun," and "Fiddle Faddle" are hilarious in the "Road Runner" sense that so titillates Techers. "Hodag," a short ecological anecdote, and "Une Bombe Par Hasard," (A Bomb by Chance) poke subtle fun at our species, while "Eggs" (on Life and Death) and "The Shooting Gallery" (sort of the animator's answer to the movie "Z") are devastating allegories of our society.

Running the gamut from satire and parody in "The Further Adventures of Uncle Sam" to the semi-religious "Apres Le Silence" and ranging over the globe from France to Canada to Iran to the USSR and to Czechoslovakia, these films are guaranteed to tantalize your mind and improve your opinion of cartoons. For \$1.00, this is one of the best entertainment buys in town. Take a girlfriend and go early, or try to pick one up while you're there.

To get to the L.A. County Museum of Art, take the Pasadena Freeway to the Santa Monica Freeway to La Brea Avenue north to Wilshire Blvd. Turn left and continue on to the big, modern buildings (on the right, with sculpture and fountains, etc.) (about 25-30 min. drive from Tech). Curtain is at 8:30, but tickets are sold out by 8:00. The showings are on weekends only through May 1.

L.M. Optican

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## Great Black Moor

# Othello Is Well Acted

by Phil Neches

Fresh from his celluloid triumph in "The Great White Hope," James Earl Jones steps back three centuries into the role of Shakespeare's tragic Moor with aplomb. Jones first earned popular notice for his interpretation of Othello on the New York stage in 1964. After that production closed, he indicated that he wanted to do Othello again when he was older and more mature.

That time has now come to the stage of the Mark Taper Forum of the Music Center. Jones' interpretation is perhaps unique, unpopular with certain critics, but none the less electrifying [a word any critic must use guardedly].

Jones plays Othello as a powerful, successful man brought to grief by his own frankness, honesty, and trust in others. He has been criticized for making the tragic flaw in Othello's character perhaps too apparent, and while that commentary may have some justice to it, he plays the role strongly, convincingly, and exceptionally well.

Jones uses the role of the Moor to display acting talents which must be described as virtuoso. His clipped speech, powerful but controlled expressions, and imposing manner contribute to his interpretation. He plays Othello as a foreigner — foreign not only on account of his blackness but also because his martial youth contrasts with the greater civility of the Venetians surrounding him. This twist is rarely seen in any interpretation of

Othello.

Jones is backed up by a strong, but not outstanding cast, with the notable exception of Anthony Zerbe as Iago. In Zerbe's hands, Iago reminds one of the oily evilness of the numerous Nazis Zerbe has played for countless movies and television episodes. Other than that of Othello, Iago probably has the most difficult role in the play for an actor to interpret. Rarely does one encounter such an unmitigated fiend in Shakespeare, one who shows little rationalization for the unhappiness he causes, and even less remorse. Zerbe provides the audience with an exceptionally ironic twist as he smirks with triumph over the bodies of the victims of his plots.

The Music Center staff comes through with their usual mechanical spectacle in the set design. Even jaded theater-goers are usually amazed at the sets devised for Music Center presentations, and this is no exception.

Perhaps the best testimony to the play's over-all effect came from the student preview audience with which I say the play: they gave Jones the only standing ovation I have seen a Taper Forum preview audience award to any performer in quite a while.

["Othello" will be at the Taper Forum for the next several weeks. They usually sell all of the remaining seats in the house to students at \$2.50 each starting half an hour before curtain time, so go some night, even if you have to take your chances.]

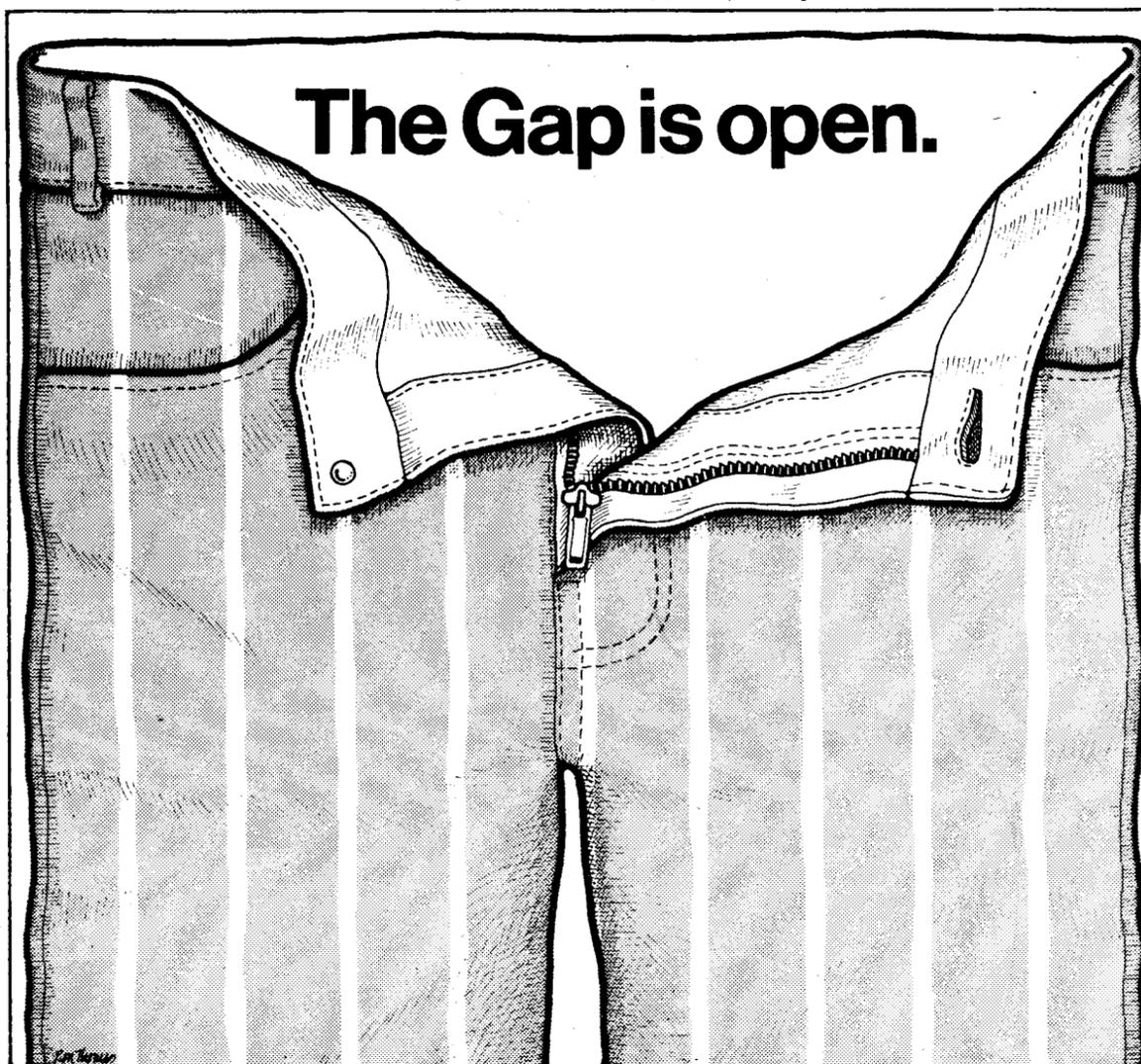
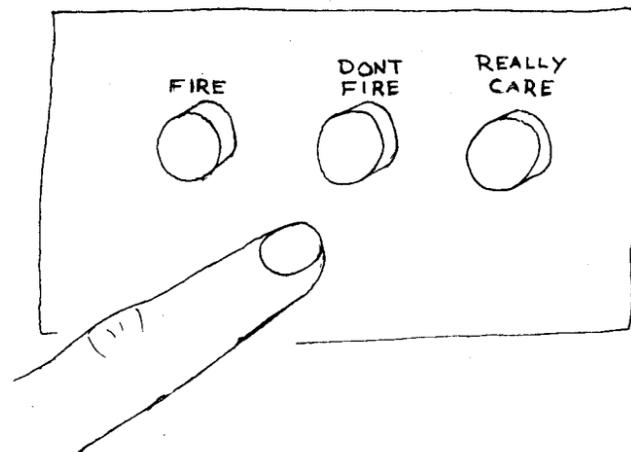
## Tech Approves Child Care Center

The Caltech administration has approved a proposal to establish a child care center open to children ages 2-5, of students, faculty and employees. An Institute-wide survey last year revealed a strong desire for such a facility close to the campus. The center will be state-licensed. It will be in a Caltech-owned house near campus and will initially handle twenty-four preschool children on a full day plan.

The feasibility of adding an infant care program is under investigation. Operating on a non-profit basis, the center will

charge rates comparable to local nursery schools and will attempt to provide a superior preschool educational experience as well as day care. The Caltech administration has stipulated that several thousand dollars be raised by the organizers of the center which will be matched by the Institute to cover initial expenses.

In order to open the center this fall people are needed to work on fund raising and all other phases of development. Please contact Eileen Grunthaler, 795-9012, Diane Hertz, 792-5609, or Judy Collins, 794-8870.



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News Briefs

Room Priorities Set for Student Houses

The faculty and student representatives on the Committee on Undergraduate Student Houses has voted to establish a system of priorities for students seeking housing on campus.

ASCIT to Party-Party In Dabney Gardens

The ASCIT Party-Party will invade Dabney Lounge and Gardens this Saturday, April 17.

Feedback On Static??

As an outgrowth of the frosh workshop held last weekend, a Teaching Quality Feedback Group is being organized with ASCIT backing.

Public Affairs Room Announces New Hours

The Public Affairs Room [Baxter Hall] is now open from 8:00 a.m. through 11:00 p.m.

There Will Be No Totem News Brief So?

Tomorrow Is ADD DAY



SOURCE OF HER STRENGTH

Blood!

Continued from Page One

miles to be raffled off among undergraduates who give blood. The raffle will be held immediately after the closing of the Bloodmobile and the winner will be notified Friday night.

For more information, contact Barbara Kuhn in Personnel at extension 2374 or Dave Peisner in 105 Page at 1660.

Please make an effort to find 45 minutes of your time to give because you might help save a life. After all, you have nothing to lose-except a pint of blood.

Aero 241

Continued from Page One

death? "There is no certainty to be had, but we continually strive for it."

On a much grander scale this is how decision analysis is applied in the real world. It makes a model, adds uncertainties, and finally determines the value of additional information.

\*\*\*\*\*

Next week Dr. Ward Edwards will speak on "How to Use Likelihood and Value Judgments in Decision Making."

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### Baseball Team Drops One to Oxy

by John Tristano

The Baseball team went up against Occidental last Wednesday, followed by a doubleheader on Saturday. Wednesday with Tech ace Dave Turner on the mound the Beavers gallantly fought back from a 7-0 deficit scoring two runs. Then with top reliever and second starter Tom Howell pitching they again crashed through for two more runs, for a final score of 9-4.

On Saturday the beavers ran into the best pitching they have seen all season in the first game. The pitcher, noted for beating UCLA, proceeded to shut out the ever-fighting offense of the Beavers 14-0. This marked the first time this season that Tech has been shut out in league play.

In the second game, Tech's leading hitter, Tom Howell (hitting over 400) started the game off with a searing double. Dave Turner, using his head, struck out on a wild pitch, thus reaching first base, with Howell pulling into third. Turner stole second with the Oxy catcher throwing the ball into center field allowing Howell to race home with the leading run. Howell put the side down in order in the first as the Beavers held their slim margin into the second. In the second, the Occidental clean up batter led off with a home-run tying the game. The game remained tied until the bottom of the fifth due to brilliant defensive play on the part of the entire team.

If the Beavers could have

### Books

## Conservative on Conservatism

**The Future of Conservatism** by M. Stanton Evans, Doubleday, 273 pp., \$1.45

M. Stanton Evans has written a book in the same vein as *The Emerging Republican Majority* by Kevin Phillips and *The Real Majority* by Scammon and Wattenberg. All three books contend that the average American's political beliefs have moved rightward during the past few years. They all draw the obvious conclusion that the Republican Party would be the benefactor of such a shift, resulting in eventual Republican control of the Presidency and Congress. The fact that such a prediction would be dis-

missed as mere nonsense as recently as 1965 shows the tremendous progress conservatism has made since the defeat of Barry Goldwater in 1964. Since that time conservatism has undergone a transformation from the object of inane jokes and more inane "scholarly" studies to an important political force that any politician ignores at his peril.

The difference in Evans' book from the other two is that Evans writes primarily as a conservative, thereby avoiding the others' apolitical stance. It is an interesting account, not only concerning the current political scene, but also dealing with the history of the recent conservative movement in the United States. While inaccuracies resulting from the passage of time mar the book (Spiro Agnew is classified as a "liberal" while Walter Hickel is called a "conservative") it remains essentially applicable to today's political situation. This book is worthwhile reading for anyone interested in politics, no matter what his own ideology may be; it provides needed optimism for conservatives and needed education for liberals.

grabbed the lead it would have been all over for Oxy. But in the bottom of the fifth, the ugly old Tech gremlin popped up his evil head, and the errors that followed cost the Beavers two runs, in the top of the sixth, Tech got the run that would have finished Oxy had it come a inning earlier. The most noteworthy hit of the inning was by Arnie Richards, a hard shot into the outfield. When the rally fell short the Beaver moral let down and everything went downhill from then on. The Final Score was 7-2.

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-Paul A. Sand

## Ex-Techer to Speak

Transcendental Meditation (T.M.), which is defined as a technique for "turning the attention inwards towards the subtler levels of a thought until the mind transcends the subtlest state of the thought and arrives at the source of thought", will be introduced to the Caltech community at a lecture to be given at 8 p.m., Thursday evening, April 22, in Club Room I of the Winnett Student Center. Exponents of this technique claim it to be a simple natural means for experiencing a fourth major state of consciousness characterized by profound physical rest and expanded awareness. Daily practice of T.M. is said to result in immediately noticeable gains in energy, clarity of thought and creativity together with reductions in tension and accumulated stress.

Speaking under the auspices of the Student's International Meditation Society will be Dr. Paul Levine, who received his Ph.D. in Theoretical Physics from Caltech in 1963 and is Chief Scientist of the Astrophysics Research Corp. in Los Angeles. Dr. Levine teaches T.M. in his spare time, having been trained in India by Maharishi Mahesh Yogi. The introductory lecture, first in a two part series, will focus on a description of the technique, models for understanding its efficacy, and recent research into its physiological and psychological effects.

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## Mahoney

Continued from Page Three

Among some of Mahoney's ideas for changes in elementary and secondary education are an abolishment of report cards, teacher-student conferences where parents are invited, school rules helpful to students, and options available when success is unobtainable. An example of the last change involves a student who will take two or three years to pass chemistry if he can't pass it during the first year (like the philosophy of credit/no-credit).

At the end of her lecture, I discovered that her topic "Innovations in Curriculum" is a misnomer; she wants enlightened teachers, not just up-to-date books or scientific tools or vocational courses. Throughout her talk, she indicated to me that "changing teachers' attitudes" is the most important goal in education if successes not failures are to be the norm. Who can refute that?

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**Infinite Record Reviews**

Continued from Page Four

quality. On the second side, the work is polyphonic and the result is an amorphous jumble. One problem for the listener is that there is no real movement from a beginning to an end. While with some careful embellishment of the basic line this could have been resolved, it wasn't. Rather regrettably this is the best piece of computer synthesized music I have encountered. The field is one best characterized by potential untapped. A computer would be

a virtuoso performer for a highly intricate and structured piece of music with instruments that can respond to the music in any manner necessary. To date the work seems to consist of exercises in random music, mathematical and geometrical patterns, and musical freaks like modulations from "When Johnny Come Marching Home" into "Londonderry Air". Help!

James Henry

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