Ramo Inaugurates Systems Engineering Seminar Series

by Paul Levin

Caltech's new systems engineering course began Tuesday night with an unannounced introduction of Ramo Auditorium. After Dr. Arnold Beckman had introduced the principal speaker, Dr. Simon Ramo, he proposed a toast to a slightly bewildered Dr. Ramo and to the terrific没能. Nicties, like a bottle of champagne and a wine waiter, were thoughtfully provided by the course—coordinated by Dr. Harold M. Miller, the professor in charge of AE 241.

It is fitting that Dr. Ramo, a Caltech alumnus, research associate, and trustee, should be the first speaker. He is currently Chairman of the Board and Chairman of the Executive Committee of TRW, Inc., which he helped to found. In introducing him, Dr. Beckman praised Ramo's untiring efforts on the Board of Trustees various committees.

Shopping List

At the lecture opening in the YMCA, Ramo explained, is no easy matter. Even defining it is a difficult task. Hence he attempted to give the series a broad overview of the subject. To do this he had prepared a "shopping list" of important ideas.

It was first necessary to define systems engineering. He felt that a good definition would be "doing something right—so it's hard to argue against it [systems engineering]." He explained that this involved being logical and complete and considering interactions, goals and alternatives. "The systems engineer must understand society as well as he understands science and technology."

This isn't the way in which everyone defines systems engineering. Many people seem to come up with narrow but inaccurate definitions. It would be fallacious to say that systems engineering with the Intercontinental Ballistic Missile, systems engineering can improve education. Others have wrongly stated that since computers can model traffic flows on a freeway, computers can solve all of our problems. Neither view is correct.

'Fun and Games'

Systems engineering requires that goals be defined, a rather difficult task considering that in most cases we don't know what we want. There is hope for this problem: public pressure has already made pollution, education and medicine matters of the highest priority. Dr. Ramo mentioned that there is a conflict between systems engineering and the American political system. "Logic is not near the top of the list in the political approach." This does not mean that the systems approach isn't used in politics; it is just applied selectively. Whenever a candidate gathers a group of specialists to help him win a campaign, he is using systems engineering.

Once the goals for a project have been established, enough information must be gathered so that the project can be designed to meet these goals. This requires a team of people with diverse backgrounds and specialties. Here is where a computer can be an immense help, but it still can't solve the problems. Since no project has an infinite time limit, the team will always have to make compromises, something less than complete information.

So What's New?

Systems engineering may be a new word, but it has been applied for many years. For example, when the telephone was invented, it was not sold to the customer as a single piece of equipment. The systems engineer must integrate all the parts into a whole, many of which are not under his control.

The team of Leonard Guibas, David J. Smith, and Andrew M. Odlyzko, who placed fifth in the annual [1973] Fields Lowell Putnam Mathematics Competition, which attracts the best students from the United States and Canada. Odlyzko also received an individual honor. The Times, Science and Mathematics, Myth, Biology, Geology, Engineering, and Humanities and Social Sciences.

Undergraduate Research—two divisional tables.

(1) Choosing an option: separate tables on Chemistry, Physics and Astronomy, Myth, Biology, Geology, Engineering, and Humanities and Social Sciences.

(2) Undergraduate Research—one divisional table.

(3) The Independent Study Program.

(4) Exchanging, Interning, & Learning.

(5) Planning the frosh; a coordinate discussion of Biology, Physics and Math.

(6) Preparing for Medical School.

Others will be formed in response to issues raised in the morning.

Free Food

The workshop will begin with coffee and donuts at 9:30 am, Saturday morning. A catered lunch will be served at noon, compliments of the Dean's office. All upperclassmen, graduate students, and faculty interested in participating should contact the Y office, extension 2110, or sign up with their Resident Assistants.

Continued on Page One

All of the April fools at the California Tech office proudly loudly! present —

A View of War — Page Two

Avoid the Draft by Blowing Glass — Page Three

Jazz Quartet to Compete at Pacific Coast Festival - Page Four

The Critical Ethic - Page Four

Encore Gangbanging; or, What's a Nice Guy Like You Doing at A Place Like This! — Page Five

Andromeda Strains Infects

Screen — Page Five

Tennis: The Ultimate Racket, with Coach Johnny — Page Six

Buck Calendar — Page Seven

A Salute to Baxter, or, study in hexing — Page Eight

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A Physicist's Place Is...
War Is Hell

Samuel said to Saul, “The Lord sent me to anoint you king over his people Israel. Now listen to the voice of the Lord. This is the very word of the Lord of Hosts: “I am resolved to punish the Amalekites for what they did to Israel, how they attacked and babies in arms, herds and flocks, camels and asses.’” Thereupon Saul called out the levy and mustered them in Telain. There were two hundred thousand foot-soldiers and another ten thousand from Judah. It came to the Amalekite city and halted for a time in the gorge. Meanwhile he sent word to the Kenites to leave the Amalekites and come down, ‘or’, he said, “I shall destroy you as well as them; but you were friendly and babes in arms, herds and flocks, camels and asses.”

The Amalekites for what they did to Israel how they attacked and babies in arms, herds and flocks, camels and asses. They went out against Saul and against Samuel and fought with them. The Amalekites for what they did to Israel how they attacked and babies in arms, herds and flocks, camels and asses. Saul called out the levy and mustered them in Telaim. There were two hundred thousand foot-soldiers and another ten thousand from Judah. It came to the Amalekite city and halted for a time in the gorge. Meanwhile he sent word to the Kenites to leave the Amalekites and come down, ‘or’, he said, “I shall destroy you as well as them; but you were friendly and babes in arms, herds and flocks, camels and asses.”

Page Two

Letters... We Get Letters...

To the editor:

The last election saw many new candidates and few new ideas. Of course, “few” and “none” are synonyms; so perhaps the candidates with ideas will be among those who got elected. But this should not distract us from an overwhelming fact: it was a campaign of old ideas, not new ones. And if elections are like this, what must the rest of the year resemble?

What can we do about this wasteland? I propose that ASClT pay students for new, clever ideas. More specifically, ASClT should pay money for ingenious ways of improving things around here. The payment, of course, would be in direct proportion to the simplicity, helpfulness, and “ease of implementation” of the proposed idea. And it should be made clear from the start that the money will be paid before the idea is put into operation (so that ASClT will be careful in selecting which ideas to work on, and so that students will receive payment soon enough to make a difference.)

The details of this plan have limited importance; so I will give only a sketch: (1) suggestion boxes should be placed in all the houses. (2) Some open-minded (yet practical) people from ASClT should regularly collect the ideas, judge them, and dispense awards accordingly. They should then put the plans into effect. (3) To begin with, I suggest the awards range from one to five dollars, depending on the ten.

Some objections: “The ASClT budget!” Answer: One less “party party,” ten or more new ideas.

Objection: “Students shouldn’t have to be paid to come up with ideas, they should do it just for the good of others, with only some small gain for themselves. Virtue should be its own reward.” Answer: A good deal of personal relations, I think we can all see the error in this viewpoint. But let’s look at some other examples: Some religions have not only Heaven, but also Hell; some supermarkets give Blue Chip stamps right along with “bargain discounts” and each item mixes the “Pass” with the “Gone.” ASClT should have no fear of mixed motives.

Why might people in ASClT (who are not completely wise) not gain) like this idea? It may give them something to do.

–Bob Dalee

Chairman

California Republican National Committee

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Apprenticeship Deferments

by Mark Peterson

If now or in the future you are not eligible for either the 2S of the 1971 student deferments, you might be able to get a 2A apprenticeship deferment. The 2A deferment is available to full-time students enrolled in technical programs, e.g., programs which do not give the student either a bachelor's or an associated arts degree. It is also available for men who are working on apprenticeship programs recognized by the state director of Selective Service.

If you are now in a technical program, have your school inform your draft board. You should be able to get the 2A deferment with little difficulty and should be able to keep the deferment until you complete your training.

DRAFT APPEAL?

Unless you are in a technical program you are probably not now eligible for a 2A deferment. However, if you leave school you may be able to get a 2A if you start work in an apprenticeship program. You may be able to use the 2A deferment to get past the age of 26 when you will be permanently safe from the draft. After you are classified 1A when you leave school you can appeal that classification for a year or two, using the methods described in an earlier article. Then, when your appeal is about to run out, you can enrol in an apprenticeship program. One advantage of the 2A apprenticeship deferment over a 2S student deferment is that you can hold the 2A after you are 24 years old. Hold the apprenticeship deferment until you are about 25 and then if you quit you can appeal past your 26th birthday.

There are all types of apprenticeship deferments which will be recognized by the state director of Selective Service so you should find one you like. You might work in the skilled trades such as carpentry or cabinet-making or work in a factory. If you prefer a job not so involved in the dominant economy you should ask a draft counselor, attorney or the office of Bureau of Apprenticeship Standards of the California Department of Human Resources for the list of apprenticeship programs. You may receive deferments for such jobs as jewelry making, leather working, sign painting or repairing electric guitars.

To get an apprenticeship deferment you must get a job as an apprentice. If you wish a "straight" apprenticeship job check first for jobs listed with the Bureau of Apprenticeship Standards. They will tell you of available programs and will refer you to the hiring union or business. You can also contact directly likely unions or business. Openings in apprenticeship programs do exist. Although unemployment is sharply up in California, the number of apprentice openings is actually increasing because apprentices get paid less than regular workers.

Some Are Gems

If you wish an apprenticeship for an unusual job such as jewelry making, find someone who is willing to hire you. Then contact the Bureau of Apprenticeship Standards for approval of your "pro" being. Your employer will have to work a list of skills you will need to be skilled in your trade and a schedule of when you will be competent in those skills. Also, you may need to attend occasional evening classes, but this requirement can be waived if there are not appropriate classes. If your trade is on the apprenticeship list you can demonstrate you will learn that trade with your draft board and your draft program should be improved.

Once it is approved, contact the state director of Selective Service and ask him to also recognize your program. If it has been approved by the Bureau of Apprenticeship Standards you have little trouble. Note, however, that this is no apprenticeship program existed for your trade during the past year, it may take a year for approval and a year wait for the deferment.

If you have previously held a 2S the draft board may be hesitant to give you a 2A, especially if you have had four years of a 2S. However, you should be able to get a 2A for at least as many years as you would have still been eligible for a 2S. If you have received a bachelor's degree you may still be able to get an apprenticeship deferment but you will have to convince your draft board that your college studies and apprenticeship are both necessary to train you for your occupation.

If you have any questions you would like discussed in this paper by a draft lawyer, write Mark A. Peterson, 1627 West Washington Blvd., Venice, California 90291.
You Are Not Alone On The Road To Ruin

CAST A LONG SHADOW by Little Richard

Epic 30128

This album is a repackaging of two 1967 records, "The White Man Can't Dance" and "Little Richard," and "Greatest Hits," as a double album. The idea seems to be to cash in on the rock and roll revival. If one is interested in good old-fashioned rock and roll, this is an album to buy. It has Little Richard doing songs such as "Lucille," "Long Tall Sally," "Tutti Frutti," "Whole Lotta Shakin' Goin' On," "Jenny, Jenny," "Land of a Thousand Dances," and "Function at the Junction," most of which he wrote. In the field of rock and roll, Richard Penniman really has "Casi a Long Shadow."

RING OF HANDS by Argent; Epic 30128

If you have listened to any rock radio stations lately, you have probably heard one cut from this album, that cut being "Sweet Mary." Please do not confuse this with the bubblegum "Sweet Mary" by another group; this is the funky one.

Anyway, Argent is not a supergroup, and "Ring of Hands" is not a supergroup. They are both good, however, ranging from commercial funkiness to more abstract rock. In the sense of pop music, please ignore the disc jockeys who keep saying that either a)Argent is new name for the Zombies or b) that "Sweet Mary" is the best song on the album. Neither is true, contrary to the opinions of KRLA and KUS. Listen to the album. You may even decide to buy it.

YOU'RE NOT ALONE by Dion; Warner Brothers WB1872

This is the third album by the modern Dion, and the second on this label. It is a thing of beauty in the way that music by Elton John and Eion John or James Taylor is beautiful. Dion wrote most of the songs himself, but he included three others, one by Melanie and two by Lennon-McCartney. The one thing holding the album together is the presence of Dion DiMucci's voice and guitar. On this album he seems to be more self-assured and alive. It is a good album.

ROAD TO RUIN by John and Beverly Martin; Warner Brothers 1882

This is a better than good album. This album is the child of a marriage of folk and jazz, and it is a beautiful child. The first cut, "Pinecone Hill," is now one of my favorite songs. The musicianship of the whole album is impressive, too. The mind boggles.

MANNA by Bread; Elektra EKS-7406

This album has that Bread is not just a random group full of bubblegum. There is evidence that Bread is turning into a really great group. For the true Bread fan, these are very good lyrics. As members. I wish, however, that they would have a word with the album design people at Elektra, because "Manna" is strange packaged. But then, when did you last see a package of manna anywhere?

-Jack Smith

Jolivet: Concerto for Piano and Orchestra; Milhaud: Concerto for Piano and Orchestra No. 1; Milhaud: La Creation du Monde (Quartet Version) Orchestre de la Societe des Concerts Du Conservatoire de Paris, conducted by the respective composers, Trio a Cordes Français, Entremont, piano. Columbia MS 7432.

Milhaud, along with Honegger, was probably the most vital and sophisticated member of the "Les Six." This creative vitality and sophistication is very evident in both the concerto and the "Creation," especially in his use of 1920's jazz idioms.

The piano concerto is by no means a great concerto. It lacks in both form and development, the barcarole is far too vague to pull the listener along, making the movement worn out. And this condition is almost saved by the finale.

However, as mentioned, the concerto is full of ideas, most of them highly imaginative. And some of the orchestration in the first movement seem overlong. And this could mean a great concerto.

The piano concerto is full of ideas, most of them highly imaginative. And some of the orchestration in the first movement seem overlong. And this could mean a great concerto.

The Festival is a competition among college jazz groups. The entries are in the categories of big bands, combos, and vocalists. Each group performs for twenty minutes before a panel of judges, and the winners will go to the national competition in Illinois. The Jazz Quartet under its professional pseudonym, Amusement City, has performed several times on campus and for various private parties. They will play in the Festival at the ridiculously early hour of 10:00 a.m. The Festival is open to the public and admission is a dollar.
Andromeda Strain
by Pat Dunn

Someone is spreading a germ in Hollywood. I think it’s Robert Wise with his latest screen disease. Trying hard to outdo the compelling artistry which garnered him an Oscar for that “special occasion.” We finally did it. We fin-a-I-I-ly did it. We fooled around and fooled around in outer space and finally did it.

BUT WAIT! The ultimate in technological preparation is about to be revealed to you. It’s time for Operation Wildlife, and even those who had a look at the disposition of their tax money had to be impressed. Contracted expressly for the isolation and study of unknown organisms (well, maybe a little biological warfare stuff on the weekends), the Defense Department has paid the rent (with a little help from their friends) on a 3-level underground hideaway: Quiet desert setting; style, ultra-mod and conical; novel décor including: entranceway; de- contaminating nunnas with blood-cold-running alpha chlorophill stored laboratory; food for a year; music, and a self-destruct system for that “special occasion.”

What better place for a few friendly scientists to gather for a day or two with Andromeda and the two survivors. It’s save-the-world-time in Hollywood.

You really must see what happens. There isn’t any sex (hasn’t), but there’s a computer in that pad that will blow your mind.

Matoing Around
by Tom Motoi

Last term, the new ASCIT BOD was feebly attempting to survive during finals week and did little to gain the confidence and support of the students. Now, in less troubled times, in a continuing effort to increase the rapport between ASCIT members and the Board, the members are strongly urged to write to the ASCIT office giving their suggestions, criticisms, and reactions concerning BOD policies and decisions. Furthermore, if a member would like to bring a request or a possible resolution before the Board, a memo should be sent to the ASCIT secretary, Jeff Hurn, in advance, so that the material may be researched and placed on the agenda.

Words of Wisdom
by Ira Moskatel

April Fool!

“FASCINATING!
THE PUREST SCIENCE FICTION THRILLER TO COME TO THE SCREEN IN YEARS!”
—Justin Cowl, NBC-TV, New York Magazine

“SPELLBINDING SCIENCE FICTION DRAMA...
I found it engrossing!”
—Charles Champign, L.A. Times

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August 7-14 days $575—Alaska—The Yukon—The Inside Passage—Northern British Columbia

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MATURE CONTENT

One of the more crucial meetings of the year will be the upcoming budget planning session where a tentative budget for the present fiscal year, March 1, 1971 to February 28, 1972, will be discussed. This meeting will be held on Thursday, April 1, in classroom one at 7:30 p.m.

Here is one final item for those who were left wondering about our “new” tax status, 501 (c) (3), which was mentioned in the March 4th Board minutes. Pending a comprehensive study to find all the loopholes and traps, it is at least necessary to relax the tax status requires ASCIT to satisfy the criteria of a non-profit organization and requires ASCIT to support any political candidate.

The Last Hurrah of the Golden Horde by Norman Spinrad
Avon Science Fiction, 1970

The Last Hurrah of the Golden Horde is a collection of Spinrad’s short stories that have been published in various magazines (including Playboy and Analog) over the past few years. The eighteen stories in the collection cover quite a range of science fiction themes, such as “Outward Bound” and “Once More With Feeling,” reflect such standard themes as faster-than-light travel and time travel. Others represent the “new-wave” type of sci-fi story.

“Subjectivity” and “Neutral Ground” are concerned with hallucinogenic drugs and their relation to the spiritual enlightenment offered by the “new” type of sci-fi story (imagine meeting an alien from another universe while tripping), while “The Entropic Gang-Bang Caper” is so avant-garde that it is completely incomprehensible. Spinrad comes across best in his humorous stories “Age of Invention” and the title story, “The Last Hurrah of the Golden Horde,” which involves a linear combination of Red Chinese, Melanians, a boxcar full of heroin, $50,000,000, a narc agent, and 200 blood-thirsty and seedy Mongols. It ends with one of the silliest scenes of rape, pillage and murder that I have ever read.

The Last Hurrah of the Golden Horde provides pleasant reading for any science-fiction fan or someone just looking for a good way to flick. While the stories contain no great messages they provide interesting and entertaining reading.

—Peter Beckman

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The Racket Squad
Inside Tech's Tennis Team

by Coach John Lamb

The Caltech Varsity Tennis Team seems a little weaker than last year and the opposition a little stronger, in most instances.

The loss of Bill Almassy, last year’s school champion, and George Lanto, number four singles player, has not been offset by incoming freshmen. There are some good fresh prospects, Gary Rabins and Bruce Jacobson, but they are relatively inexperienced.

At mid-point in the season, the team lines up in order with Ken Pischel, junior; Andy Chow, junior; Don Smith, senior; Bruce Eisenhart, sophomore; Jim Crawford, captain, and Gary Rabins, freshman. In doubles, Pischel and Chow are No.1, followed by Smith-Crawford and Eisenhart-Rabins.

Andy Chow has been the best scorer in matches to date, followed by Jim Crawford. Until Gary Rabins was sidelined by an ankle injury, he also held up the scoring for Caltech. Doubles results have been more balanced, with each team having its good and bad matches.

Results to date:
Caltech 1 Loyola 8
Caltech 2 1 Luthersen 7
Caltech 0 U San Diego 9
Caltech 0 Redlands 9
Caltech 0 SMU 9
Caltech 0 CHM 9
Caltech ½ Whittier 8½
Caltech 0 Pomona 9

...Conference Match

The Junior Varsity Tennis Team has fared a little better than the Varsity, with a won, lost record.

Next game:

Caltech vs. Occidental
Saturday, April 21
8:30 p.m., outdoors. Game is on.

The line-up in singles in order of strength is as follows: Arthur Ellis, sophomore; Bruce Jacobson, freshman; Pat McCrea, freshman, Alan Brothers, sophomore, Neil Rich, junior; Don Franks, sophomore. In doubles, Brothers and Jacobson play No. 1, followed by Ellis-McCrea, and Ken Tummell-John Zima, both freshmen. Season to date:

Caltech 3 ½ Redlands 8½
Caltech 0 CHM 9
Caltech 7 Whittier 2
Caltech 3 Pomona 6

Occidental is not fielding a Junior Varsity Team this season. The league seems to be in better balance than in the past few years, as the perennial champion, Redlands, is not as strong as usual and several other league schools seem stronger. Claremont-Mudd should be favored to upset Redlands if anyone does, with Occidental having an outside chance based upon their depth.

News Briefs

Continued from Page One

Demonstration Team, will perform 1:00 p.m. at George Air Force Base in Victorville.

Since their formation eighteen years ago, the Thunderbirds have flown in over 5,600 hours, flown in over 2000 inter-European student exchanges, flown in F-4E Phantom II aircraft, is part of a "Salute to the High Desert" open house, 10:00 a.m. to 3:00 p.m. at George AFB. Everyone is welcome.

SPORTS!

IH Bridge Qualifying Rounds to Be Held Sunday in Winnett

by Charles Johnson

The qualifying round for this year’s Interhouse Bridge Tournament will be held Sunday at 1:00 in Winnett Club Room 1. Any team of 4, 5 or 6 members from a particular undergraduate house will be eligible to compete. Multiple entries from a house are invited, but each member of a competing team must be from the same house. We hope that all interested players will come out for a relaxed afternoon of bridge and help us maintain present interhouse trophy holder Page.

The format will be Swiss Teams of Four at victory points. This features a series of short, power-rated, team vs. team contests with the outcome rated on a scale according to the final point differential. The top three or four teams in the final standings will play off in longer matches for the trophy.

The appropriate style of play is that of standard rubber bridge. This will put all the teams on the most equal footing competitively.

IH Bridge Qualifying Rounds to Be Held Sunday in Winnett

by John Tristano

Tom Howell started Caltech’s baseball season off with a real blast last Tuesday when he ripped the first pitch of league competition over the right field fence for a home run. The game looked easily in hand until the second inning when Redlands broke through to starting pitcher Dave Turner for three runs. They then doubled Dave for nine runs in the third. Tom Howell and Doug Matchett finished off the pitching, yielding a total of twenty runs to Redlands. Fielding errors cost Tech many runs. In the seventh inning Doug Matchett led off with a triple and scored on a throwing error. The Beavers fought until their pitcher Dave Turner for three runs. Tom Howell finished off the pitching until the second inning when Redlands scored 20-2.

Howell’s Homer Starts Season

by John Tristano

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**BECKMAN AUDITORIUM**

- **April 4**: BECKMAN AUDITORIUM 2 performances 3 p.m. and 8 p.m. Pasadena Symphony Orchestra with Patricia Goalside and Susan McDonald performing Mozart's Flute and Harp Concertos, $4-3-2. Students $1.
- **April 5**: BECKMAN AUDITORIUM 8:30 p.m. Caltech Lecture Series: The Communication Gap in Science. R. G. Bergman, Ph.D., Assistant Professor of Chemistry, Caltech.
- **April 18**: BECKMAN AUDITORIUM 8:30 p.m. Caltech Lecture Series: Progressivity Myth to the Rise of Impressionism: Visual Problems in the History of Art. Cary La, Division of Biology, Caltech.
- **April 26**: BECKMAN AUDITORIUM 8:30 p.m. Caltech Lecture Series: Isotopes, Climate and Ice Ages. Samuel Epstein, Ph.D., Visiting Associate Professor of Planetary Science, Caltech. Free.

**May 2**: DABNEY LOUNGE, 8:15 p.m. Dabney Hall of the Humanities. THE CHAMBER ARTS PLAYERS in a program of Beethoven and Brahms. Free.

**May 9**: BECKMAN AUDITORIUM 8:30 p.m. Caltech Lecture Series: Neutrons from the Sun. R. W. Kavanagh, Ph.D., Professor of Physics, Caltech.

**May 23**: BECKMAN AUDITORIUM 8:30 p.m. Caltech Lecture Series: Mayan Hieroglyphic Writing. R. F. Fryxell, Ph.D., Professor of Theoretical Physics, Caltech. Pre-Registration for First Term (all week).

**June 1**: Final Grade Reports Due for Seniors and Grad Students.

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**MARCH**

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**APRIL**

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<td>4</td>
<td>BECKMAN AUDITORIUM 2 performances 3 p.m. and 8 p.m. Pasadena Symphony Orchestra with Patricia Goalside and Susan McDonald performing Mozart's Flute and Harp Concertos, $4-3-2. Students $1.</td>
</tr>
<tr>
<td>5</td>
<td>BECKMAN AUDITORIUM 8:30 p.m. Caltech Lecture Series: The Communication Gap in Science. R. G. Bergman, Ph.D., Assistant Professor of Chemistry, Caltech.</td>
</tr>
<tr>
<td>6</td>
<td>The Committee</td>
</tr>
<tr>
<td>7</td>
<td>ATHENEUM, 6:30 p.m., Caltech Hill's Second Annual Kosher Passover Seder. For reservations call ext. 2453.</td>
</tr>
<tr>
<td>8</td>
<td>BECKMAN AUDITORIUM 8:30 p.m. Direct from San Francisco, THE COMMITTEE, in an all new revue: &quot;$5.50-4.50-3.50. Caltech students: $1 off. Also re-admissions for Caltech family.</td>
</tr>
<tr>
<td>13</td>
<td>BECKMAN AUDITORIUM Silent Movies: 7:30 p.m. &quot;Singalong,&quot; 7:40 &quot;Perils of Pauline&quot; Episode: 8:00 p.m.</td>
</tr>
</tbody>
</table>
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TUESDAY - Toni Felice
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THURSDAY - Adrienne in the Vibrating Bed Show
FRIDAY - New male & female nude dance
           New act Sadie: the Complete Sex Symbol, a 402 lb.
                   bottomless dancer
SATURDAY - Toni Felice in her Lily St. Cyr Bathub Act

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