

Where do we go from here?

The CALIFORNIA Tech

Downhill. . .

Volume LXXVI

Pasadena, California, Friday, October 25, 1974

Number 5

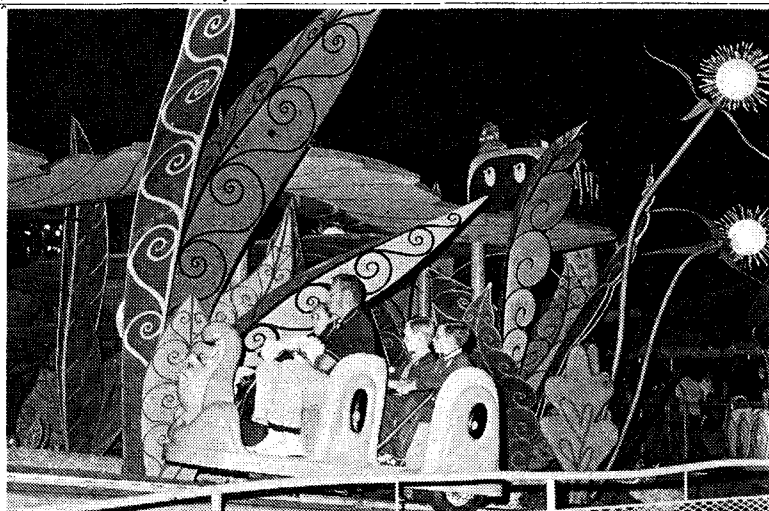
IHC Rules On Ripoffs; Takes 'Harder Line'

by Shmuel Schmuckputz

The IHC has come up with the following policy concerning food service: Ripping off food service in the long run rips off students, which the IHC will not stand for. Whatever steps necessary will be taken and as many cases as have to be heard will be heard in order to insure that students will not take unfair advantage of other students through food service. Many of the agreements reached with food service are dependent on the promised cooperation between them and the students. The IHC will not allow this cooperation to be endangered. If after hearing a case of an alleged ripoff, the IHC decides that some punishment is desirable, it can recommend to Dirty Dave that the individual concerned be fined some amount (an example of a standing rule is the one that people not on board contract eating a meal in the houses will be fined \$5). However, such stronger penalties can be meted out if deemed necessary.

Some students appear to have a problem with the honor system in those shady areas where the unfair advantage principle does not directly apply. Food service ripoffs and rotation violations, for example, both indirectly take unfair advantage of other students. However, since the Board

of Control generally refuses to hear such cases (for a variety of reasons), some people seem to feel that they can act with impunity in those areas. They are mistaken. In areas of legitimate concern to the student houses (which means to most undergraduates) the IHC can take action where the BOC won't.



The latest addition to the average Chem 3 student's lab drawer is exhibited for the next few weeks. Photo by Sheehan.

Saturday School Rides Again

by David Angulo

Many Caltech students know that there exists a program called the Saturday School Science Project but few are aware of its impact on the surrounding communities. As the *Tech* photographer noted, "This is surprising. I come here expecting to photograph about 15 students and I find the cafeteria filled with over 300 people."

Now in their sixth season, the Saturday program is offering approximately 30 classes ranging from math, physics and chemistry to such things as computers, astronomy, medical science and oceanography. The majority of the students are seventh, eighth and ninth graders but a few high school juniors and seniors are enrolled.

"The main objective is to advance the preparation of the students," explained the director, Lee Browne; "however, there is also some remedial tutoring and counseling on college entrance exams." The program gives local secondary students—students who would not normally show up at Tech events—a chance to interact with the Caltech community (and vice-versa). It also gives these young pupils a chance to determine if they have an interest in science or engineering, and if so, whether or not Caltech would be a suitable institution to develop such an interest.

Special thanks go to the sponsors which include Caltech, the Dr. Seuss Foundation, General Electric, Union Oil, John McCarthy of Boston, J.T. Thorpe Co. (Caltech alumnus Horace Baker, president), Xerox and the

American Chemical Society.

A similar type of educational guidance is offered to local residents and is also led by Lee Browne. He and Richard Dean, Caltech professor of mathematics, teach this less widely known course entitled "Arithmetic, Calculators and the Metric System." The seminar meets every Wednesday evening for two hours, continuing through December. The curriculum includes use of pocket calculators and the process of conversion to metric units. It is primarily intended for elementary school teachers, junior college students or other persons interested in reviewing arithmetic principles and learning how to use calculators. Brown expressed the belief that Caltech students would get relatively little out of a course taught on this level.

Bright Colored Lights And Electric Effects Star At Art Gallery

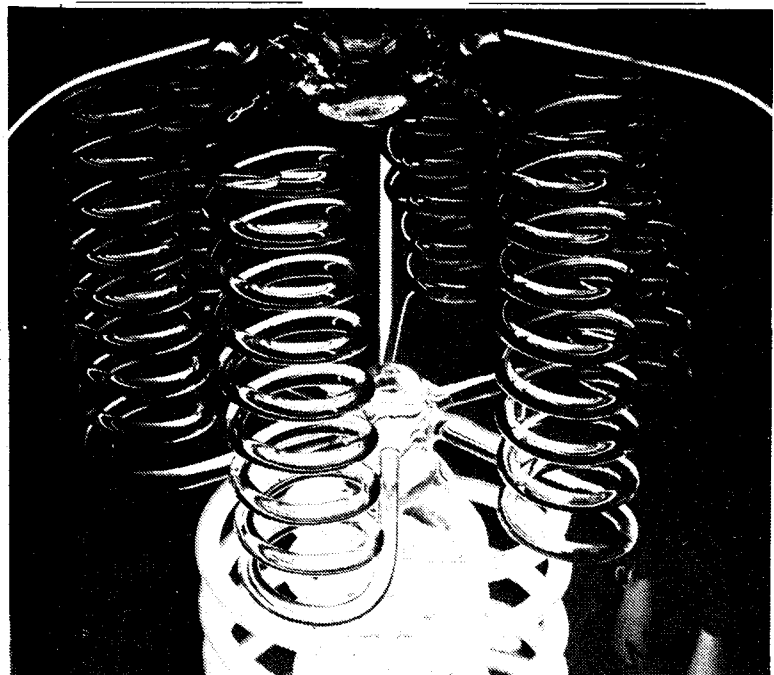
"A California Turn On: Electric and Kinetic Art" is the theme of an unusual new art show now on exhibit at Caltech's Baxter Art Gallery. The gallery will be open noon to 5 p.m. Tuesday through Sunday until November 10.

The exhibit features a variety of works, including art using lasers, holograms, neon tubes, colored lights, as well as wooden and metal sculptures that can be set in motion to achieve artistic and humorous effects. One delightful example is a Rube Goldberg device resting on the bell of a tuba and propelled by a small water wheel to produce a variety of percussion sounds.

The artists in the show vary from those of international reputation to persons less well known.

The artists, all of whom display engineering ingenuity, are Larry Albright, Anait, Carey-Durst, Robert Gilbert, Loretta Keller, Charles Oldenburg, Charles Prentiss, William Ransom, Serrano, Jean Tinguely, and Stewart Ziff.

**UPPER—
CLASSMEN!!!
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Alice in Wonderland entertained many Techers last weekend at Disneyland. Photo by Sheehan.

News Briefs

As The Little Box Above Says...

Due to the generosity of Josten's Yearbooks, the Tech office is currently wallowing in three dozen crates full of 1974 *Big T's*. All upperclassmen are cordially invited to come on over and get theirs before we decide to raise the price. This offer is limited, as all stock will be disposed of immediately after the first football victory.

Christian Fellowshiping

The Caltech Christian Fellowship is getting together in Winnett Lounge each Monday night from 9:40 to 10:40. We

welcome all Christians and anyone else who is interested. For more information, contact Eric Hansen in 1 Blacker (449-9545).

Did You Read The Fine Print?

Like it says on the bottom of your temporary ID, the permanent ones are available after Oct. 18. Don't forget to pick up yours at the Registrar's office.

Come Watch Cowan Sink

There will be a naval miniatures simulation game in Dabney

Hall lounge this Saturday night at 7:30. Bring your own torpedoes.

Take a Seat Sit on Your Grass

Y Noon Concert today on the plaza, featuring sophs Bill Dower and Jim Brubaker. Bring your own lunch.

GRE's Force No Homecoming

Today's football game against Azusa-Pacific has been cancelled. In consolation, there will be a scrimmage against grad students at 3 p.m. behind the gym.

Appreciating Music at Caltech

by Young-il Choo

Dabney Hall is the place where each Wednesday at 4:30 a group of people gather to listen to music and discuss its performance.

This Interpretive Performance Class is led by James Boyk, Caltech's own Artist-in-Residence, and is sponsored by the Master of the Student Houses. It is free and is open to all members of the Caltech community. Undergraduates are especially welcome.

What exactly is an Interpretive Performance Class? Primarily it is interested in the technique of making a performance successful. Through listening and critically discussing the piece being played, and each week there is always some piece played on the piano, sometimes with other instruments.

On October 20th, there was an ensemble for violin and piano by Mozart followed by an interesting discussion on how two performers manage to stay in step even though they may have never played together before. This Wednesday James Boyk played several piano compositions by Beethoven which are not widely known and the group of fifteen people talked about the emotional content of the pieces played.

For the most part then the Class is for serious music appreciation. But as James Boyk himself noted, the subject matter which is discussed is wholly up to the people who are there. Some topics more generally inclined include the construction of the piano and singing the theme of the piece you are playing. (Did you know that there is a force of 25 tons on a piano wire?)

Now, a little about James Boyk. He was graduated from Harvard with a BA in Math in 1965. Later he obtained his Master of Fine Arts from Cal Arts where he also taught courses in music bearing the titles 'The Languages of Music' and 'Analysis for Performance.' In the latter he brought together the theory of composition and actual performance, making no distinction between theory and practice.

Each Wednesday James Boyk is on campus giving private piano lessons as well as the Interpretive Class in the afternoon. He is also willing to come to any Student House that requests him and give informal evening concerts. For the person interested in going a little deeper into music and

willing to do some reading he has printed a list of books and brief descriptions of them which can be found at the bookstore, as well as the books on the list.

Interested? Come to Dabney Hall on Wednesday or call James Boyk (213) 393-5766.



James Boyk conducts his weekly Interpretive Performance class.

Photo by Gruner.

ASCIT of Beatty

Secretary Sign-ups Close Today

by Dick Beatty

There came a time last Friday when Winnett Lounge gave birth to an ASCIT BOD meeting. The great constellations of McLeod, Teich, Beatty, Pietrasz, Anderson, and Shiller came together in triumph and joy over the event. (The fallen star of Kleckner had not yet risen).

The mighty but humble rulers of ASCIT's moles of cosmic dollars noted that as yet only one brave soul stood forth for Secretary; a Marie Beall. Courageous citizens have until 5:00 p.m. today to nominate their life in the service of ASCIT, in the post of Secretary.

'Tis a Far, Far...

The fallen star, from the depths of IHC, proclaimed no increase in royal subsidy of the Interhouse Festival, scheduled for two fortnights and a week hence. The secret weekly council of the IHC was revealed to be on Wednesday at 10:30 after sunset in the Y Lounge.

Yon merciless Shiller came forth with the economical sug-

gestion of eliminating donuts at BOD meetings; this heretical attack on such holey objects brought immediate condemnation and threat of suspending BOC donuts.

The vassals of Lord ASCIT will cast votes for Secretary in fourteen days; another secret council meeting was breached: the Social Committee engages in revelry and witty debate every Tuesday at 10:30 in the even in Clubroom One.

Oppressed serfs may rise up in the cause of Gameroom Chairman and Student Garage Troll by signing the door of fair Flora. The same kindly damsel will also confide information on these posts of great honor and glory.

Better Thing I Do

Lord Teich of the Duchy of Academia proclaimed that next year's candidates for the Techer-ship will be interrogated by members of the Admissions Committee; this break from last

Just to point out an error in "Musicking: Part I" (Oct. 11)—The Wind Ensemble and Jazz band meet on Thursday evenings, not Wednesday, as reported. This information was apparently overlooked in the report I submitted (your oversight). Let me see if I can sort out the calendar clash:

Monday—singing no change

Tuesday—add woodwind chamber ensembles (under Wind Ensemble auspices) clarinet and flute quartets, plus mixed trio—clarinet, flute, oboe; 7:30 p.m., Instrumental Music Office, Fleming

Wednesday—add brass chamber ensembles (under the Wind Ensemble) 7:00 p.m., 210 Baxter (brass collegium musicum, mixed brass)—drop Wind Ensemble, Jazz Band rehearsals. Net change, one less conflict

Thursday—add Wind Ensemble rehearsal, 7:00 p.m. Beckman Aud. Jazz Band, 9:00 p.m.,

Beckman Aud. Jazz Sexted +?, after Jazz Band Net change, plus three, but no conflicts

Friday—clear hopefully, we'll hear the singers and puffers (and pickers, fiddlers) sometime; maybe even together

Now, where do I get credit (or money) for Lit 15?

—Bill Fornaciari

Prof Disputes Use

The Tech of October 18 says, "The IHC decided to take on the task of trying and punishing those who rip off food service." The term "rip off" is thieves' slang for steal. Other examples of thieves' slang are "waste" for murder, "trashing" for destroying, "mugging" for beating up and robbing, and "horse" for heroin. Thieves' slang always reduces the moral significance of a word, and makes a criminal act seem like jolly good fun. I have known children, otherwise well-behaved, who talked about "kyping" ball-point pens from the drug store. "Kyping" was an adventure; the word concealed the act, which was stealing.

Thieves' slang is probably as ancient as language. It will always be with us. But that is no reason for us to encourage it. Anyone who rips off food service is stealing; and should be treated as a thief. Let's call things by their right names.

—Charles Newton

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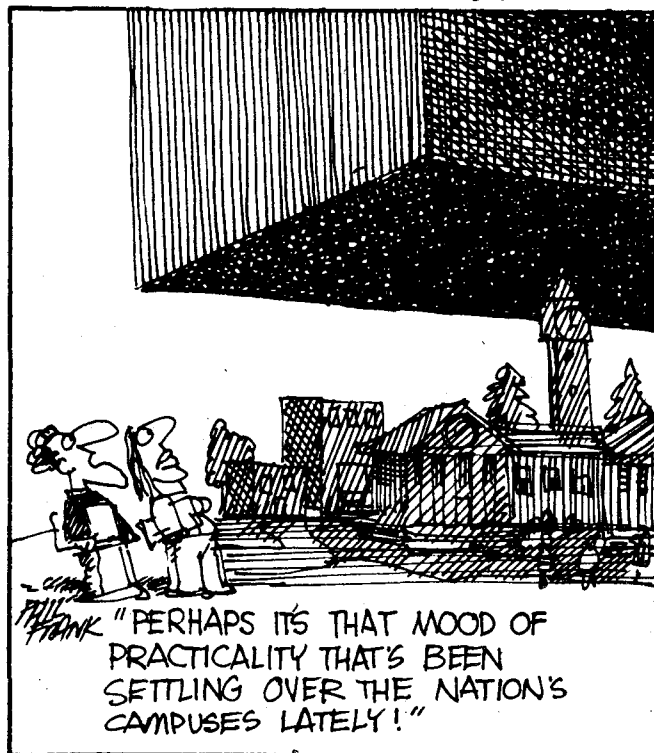
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FRANKLY SPEAKING... by phil frank



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NEXT WEEK:

Who is Harry Kellerman . . .

Another Trustee Joins Fold

Caltech has a new trustee, by the name of Stanley R. Rawn, Jr. The election of the oil company executive to the Board of Trustees was announced recently by President Brown.

Rawn, chairman of the board of Pan Ocean Oil Corp., of New York, is a Caltech alumnus and has been active in Institute affairs for many years. He is a member of the Associates of Caltech.

Born in Duluth, Minn., Rawn obtained a bachelor of Science degree in chemistry in 1952 at Tech, and a Master's in chemical engineering in 1953.

He worked as a research engineer for Chevron Research Corp., at La Habra, Calif., and then as a vice president of Deerfield Oil Corp. at Houston and in Kansas.

In 1964 he joined Pioneer Lands Corp. of New York City as vice president, and in 1968

organized and became board chairman of Pan Ocean Oil.

Rawn, with his wife, Barbara, and three children, live in Cos Cob, Conn., which apparently really exists.

Answers:

ANSWERS to last week's Geodemographic quiz on the U.S.

1. From Boston: farthest—San Francisco, next farthest—Los Angeles, nearest—Seattle. Yes, L.A. is closer to Boston than S.F., by about 100 miles. You can look it up. Funny shaped country, isn't it?
2. Largest cities in state: Nevada—Las Vegas; Alaska—Anchorage; Kansas—Wichita (not Kansas City, which is mostly in Missouri); Florida—Jacksonville (not Miami); Virginia—Norfolk.
3. Five largest states: 1) California, 2) New York, 3) Pennsylvania, 4) Texas, 5) Illinois.
4. Westernmost to easternmost, in order: Portland, San Francisco, Reno, Los Angeles, San Diego. Yes, Reno is west of L.A.; you can look that one

Techies



up, too. The closest pair are the first two.

5. Ten largest cities: 1) New York, NY; 2) Chicago, Ill.; 3) Los Angeles, Cal.; 4) Philadelphia, Penn.; 5) Detroit, Mich.; 6) Houston, Tex.; 7) Baltimore, Md.; 8) Dallas, Tex.; 9) Washington, D.C.; 10) Cleveland, Oh.
6. True. San Bernardino County, 20,119 square miles, is the largest county in the country in land area, as anyone who has driven I-15 from L.A. to Vegas or back will readily believe. (Note: Alaska does not have counties, but 'divisions,' so anyone who tried that was fooled.) And as everyone ought to know, since New York City divides itself into five 'boroughs,' which are counties, really, Los Angeles County (that's the one you're in, frosh, with its roughly 7 million alleged persons, ranks number one in U.S. counties in population.
7. True. Consult any atlas.

8.a) Largest state capital: Indianapolis, Indiana. (Anyone who knew this one either cheated or qualifies to write these things already, and is hereby drafted.)

b) Highest state capital: Denver,

Col. Any easy one. (It's not called the Mile High City for nothing.)

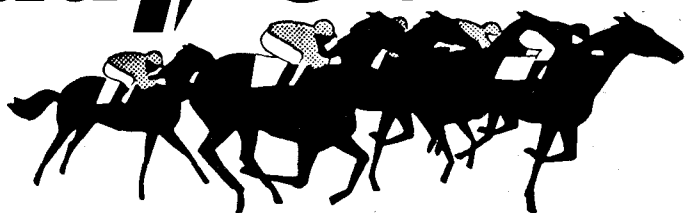
9. A fun question. Honolulu, Hawaii, with 42.3% of its state's population, ranks second to New York City. The next three cities are: 3) Phoenix, Ariz., 32.8%; 4) Chicago, Ill., 30.3%; 5) Las Vegas, Nev., 25.7%. (Incidentally, other cities with 20% are, in order, Albuquerque, Omaha, Denver and Baltimore. Honorable mention for guessing these—especially Omaha—but no points.) The seven states with two or more such cities are Arizona (Phoenix, Tucson), Missouri (St. Louis, Kansas City), Nebraska (Omaha, Lincoln), Nevada (Las Vegas, Reno), Oklahoma (Oklahoma City, Tulsa), Tennessee (Memphis, Nashville), and Wyoming (Cheyenne, Casper). Anyone who got 10 points on this question gets an A in symbolic logic, an A+ in geodemography, and has just become the Tech trivia editor and proofreader.

10. States that lost population, 1960-1970: North Dakota, South Dakota, West Virginia. (The states referred to that lost population between 1950 and 1960 were Arkansas, Mississippi, and West Virginia. Incidentally, if I were mean, I would have asked the largest city in West

Va. Anyone out there heard of Huntington?) Mississippi, Wyoming, and Montana were good guesses. The seven states that gained 25% or more from 1960 to 1970 were, in rough order, Nevada, Florida, Arizona, Alaska, California, Colorado, and Maryland. Good guesses were Connecticut, New Hampshire, Utah, Oregon, Washington, Hawaii, and New Jersey.

A note on sources: Mostly your friendly local Almanac. The 1970 census figures are supposed to be final, but may be subject to continued adjustment, so if your research disagrees with my answers, do what you like about it. (You're not likely to be able to find me to present your case in person.)

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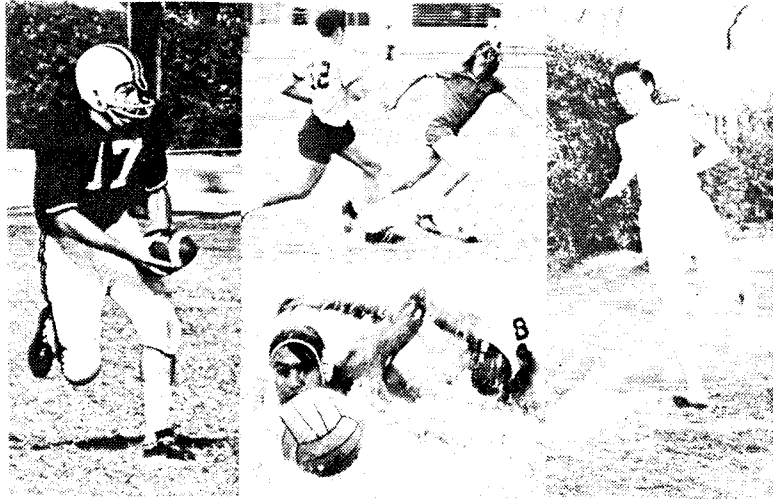
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The CALIFORNIA Tech SPORTS Wannoe On Two Game Streak



Page Four

Friday, October 25, 1974

The Caltech soccer team invented a new rallying cry, that together with some fine playing, has produced the first two game winning streak in four years. Last Saturday the team traveled to La Verne to collect a 2-1 win, and on Wednesday they overcame LIFE Bible College 1-0.

For the La Verne game, no one on the team had more than five hours sleep, except starters John Dilles and Jim Hickey who were busy playing with rocks on a Geology field trip. They were even so sleepy that they were

unable to pronounce 'Caltech,' which sounded more like 'Wannoe.' Thus the opening cry was 'Go Wannoe!'

Illegal Use of Hands

Most of the first half was scoreless, with Tech missing many shots by inches. But, alas for La Verne, one of their fullbacks carelessly used his hands, giving the Beavers a penalty kick. Alaudin Bhanji smashed the ball into the net to give Tech a 1-0 lead at half-time.

In the second half the Caltech shooting average was still at a low. La Verne had a corner kick about 15 minutes into the half, which Tech forward Pete Groom headed in to tie the score. About five minutes later he produced the winning goal for Tech off a long downfield kick by goalie Steve Trimbürger. For this goal Groom used his same crafty style that marked last year's win over La Verne.

And if Saturday's shooting was poor, last Wednesday's

shooting was horrible. Tech's offense penetrated LIFE several times, with the shots always missing. The Beaver defense was strong, so that the score was still 0-0 after 25 minutes in the second half, at which time a LIFE fullback handled the ball. This time Bhanji missed, however, blowing what could have been Tech's best chance.

Tech was given a reprieve when the same LIFE fullback again blatantly handled the ball. This time Jim Hickey took the penalty kick. He, too, missed. However, this time the LIFE goalie had moved before the ball was kicked. Hickey kicked his second attempt into the goal for the win. This, incidentally, gives Tech a 50% average on penalty kicks.

Today Tech goes to Oxy to avenge a 4-3 loss earlier in the season. Tomorrow it's the Caltech Barsity Beavers vs the Caltech Grad Turkeys at 10:00a.m.

Mudeo Officials Skulking About

by Gavin Claypool

The Mudeo has been tentatively scheduled for November 10, junior class president Dave Murdock admitted yesterday.

The junior class officers—Murdock, vice president Cary Lai, secretary Dennis Wang and treasurer Martin Teintze—have been actively planning the annual event, held between the freshman and sophomore classes.

The small plot of bare ground between Arms and California Blvd. has apparently been chosen as the site. Attempts to contract Rik Smoody, an experienced digger of Mudeo pits, are under way at this time.

This year's sophomore class is the first in many years not to have won a Mudeo, indicating to many upperclassmen that freshmen just aren't what they used to be.

Flems Lead Discobolus

by Chris Russell

This last week Fleming retained the Discobolus Trophy with an 11-5 win over challenging Ricketts. Fleming started with a 9-0 lead after the first inning, at which point they began substituting freely. They continued increasing the lead to 10-0 after two innings and 11-0

after three. Finally the Scurves ran some men around the bases in the fifth inning to finish the game.

This week Lloyd challenged Fleming in Track, Rifle Shooting, and, for some obscure reason, handball. Fleming accepted in handball.

Mini-Tech About Town

As I said last week, Don Ellis is coming to Beckman tomorrow. I cannot add any information to what I wrote last week, so I will only say that I expect to see all your smiling faces in the Student Rush line tomorrow night.

Other than Don Ellis, there isn't much to say. By searching

your *Calender* you can find all the obscure—though often excellent—theater and cinema going on in the 272 cities of metropolitan Los Angeles county.

As for major events this week, there apparently aren't any. And since culture is taking a vacation, so will I.

—Chris Harcourt

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