

**It's Official:  
The World Will End  
Tomorrow at Noon!**

# The CALIFORNIA Tech

**Oh, yes, by the way,  
today is  
ADD DAY.**

Volume LXXVI

Pasadena, California, Friday, April 18, 1975

Number 24

## Striking Criminals

by Sivertsen

Today's rising crime rate has once again reached into the relatively secure C.I.T. campus. At 1:00 a.m. last Tuesday, April 15th, Campus Security received a report of cars being broken into in the Holliston parking lot. Campus Security blocked off the parking lot and also called in the Pasadena police department. Searching the parking lot, Dwayne Bruce of Security found two suspects hiding in a car and detained them until they could be removed by PPD. Then Paul Jumet, a CIT employee said he'd seen a third suspect fleeing. PPD apprehended him on foot near PCC.

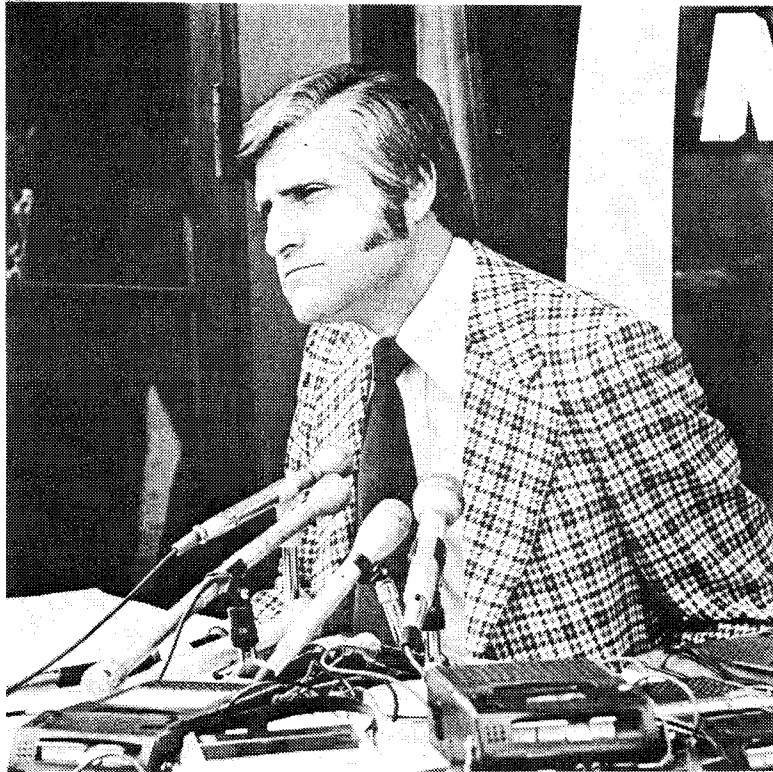
A sheath knife was found in one of the several cars which had been broken into. A car belonging to Dave Beatty, of Page House, had the bucket seats removed. It also had carpeting torn, the dash ruined, and interior finish damaged. A car belonging to Mark Rodgers had stereo speakers removed. Several cars had gas caps removed, and a siphon hose and gas container were found in the suspects' car. The car was impounded, and the three suspects taken into custody by PPD.

## ASCIT Budget

The ASCIT BOD held its budget meeting Wednesday night in Winnett. The major figures are as follows:

California Tech	2100
ASCIT Movies	2100
ESC	3000
Athletics	1200
Salaries	900
Overhead	900
IHC	300
Cinamatech	300
Repay Debts	950
Bus Fund	750
CCF	500

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RON LOPATY, president of the local McDonald's Operators Association, caught in the act of trying to digest a Big Mac. Photo by G. Bone

### Duplicate Hamburgers

## McDonald's Strikes Back

A final decision was made last Monday, by McDonald's, concerning the disposition of the 1.2 million computerized entries submitted in their "A Year's Groceries Free and a New Datsun Z" sweepstakes by several Caltech students.

In an action designed to alleviate public opinion, and possibly forestall any legal action by the students, Ron Lopaty, president of the McDonalds Operators Association of Southern California (the group which sponsored the sweepstakes), announced that two drawings would be held.

"Once we have drawn and awarded all 1850 plus prizes as stated on the entry blanks and included the Caltech students' computerized entries in the first drawing," Lopaty read from a prepared script, "we can then legally and rightfully have a second drawing, *excluding* the Caltech students' computerized entries, and award duplicate prizes to the public for each

prize won by a Caltech student."

This simply means that for every prize won with a computerized entry, a duplicate prize will be given away in a second drawing, this one without the computerized entries. The two drawings will be opened to the press, and will occur sometime on or before April 23, and the announcement of all the winners will be given prior to May 23.

The prizes in the contest range from a new sports car, to free groceries for three months, to books of McDonalds gift certificates worth \$5 each.

One point strongly emphasized by Lopaty in his announcement was that public opinion was strongly against the "student prank," as he called it. He claimed that the letters received by McDonalds were running fifty to one against the students. In his words:

"[It is] the unanimous expression of our customers and the public at large who have called or written us *their* feelings

### Emission Impossible

## Caltech CACP Wins

by Paul Shubert

Last week, April 9-16, served as "finals" week for the members of the Caltech Clean Air Car Project, as the two crews drove their cars through the Intercollegiate Reduced Emissions Devices Rallye.

David Beatty, Ed O'Rourke and Paul Shubert built and drove a Datsun 610 Sedan on loan from the Nissan Motors Corporation to a first place finish in Class 1—gasoline powered vehicles, while Dick Beatty, Leroy Fischer, and Rich Gruner piloted the slightly outdated, propane powered AMC Hornet to a second-place finish in Class 3—gaseous fueled vehicles, and a third place finish overall.

The Rallye began at U.C. Davis, where the entrants met to talk with the press and each other about their cars. Present were the usual entries—the Cal Poly "Fart-Mobile", a '66 Cadillac Fleetwood outfitted to run on sewer gas; two stratified charge cars from Sacramento State; and the ever-popular U.C.L.A. liquid hydrogen burning mail jeep, quickly dubbed the "Hydrogen Bomb" after it exploded for the first time just inside the Davis city limits.

After travelling to San Francisco, the cars gathered at the Fremont Raceway Drag Strip for performance testing, where the Caltech Datsun stomped all competitors, turning in a 0-55 time of 6.75 seconds. The sewer gas Cadillac didn't quite get up to 55 mph in the measured quarter, and the UCLA jeep once again pleased the crowd by exploding while running a make-shift slalom course.

The next day was the economy test through the streets of San Francisco. The UCLA jeep exploded for the third and final time in the starting parking lot, melting its carburetor and blowing various and assorted parts out the wazoo.

The Rallye proceeded without the H-Bomb through the road rallye from Monterey to L.A., and final emissions testing here in Los Angeles.

The week climaxed with a final awards banquet and press conference. One of the new devices brought forth by the Caltech Team was the official CACP "Wazoo", a device 12" long, 2½" in diameter, with a seven degree crimp in one end.

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A CLEAN CONTEST. O'Rourke, Shubert, and Beatty with the prize-winning Caltech Clean Air Car. Photo by R. Gruner

### News Briefs

## Too Many Offices

Sign up on Flora's door, in Winnett, for the following ASCIT appointed offices: Elections Chairman, *Big T* business manager or editor, coffeehouse manager, Educational Policies Committee, Executive Committee members, *little t* editor, game-room chairman, *Totem* editor or business manager, student garage chairman, student darkroom chairman, or Executive Social Committee Member-at-Large. Also, any ideas for reviving the ASCIT research project should be presented to Jim Backus, Dabney, x2120.

### Coffeehouse Extravaganzas

There is currently a series of shows on Saturday night at the Coffeehouse featuring various musical artists and poets from Tech and the surrounding area. Shows start at 10 p.m. Admission is free. Interested artists should contact Moses Ma at 792-0086.

### Second Con Call!

There are still a few openings in the car-pool/hotel room-pool being organized for the Star Trek

Equicon (and Fantasy Filmcon) Memorial Day Weekend in San Diego. See Bruce Miller, 38 Dabney, if you're interested. First come, first served.

### Groucho, Harpo And Boris?

The Caltech Child Development Center is showing *Night at the Opera* at 7 and 10 p.m. and *War of the Worlds* at 8:30 p.m. this Sunday at Baxter Hall. *Night at the Opera* is one of the Marx brothers' funniest and wildest, yet most professionally made

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# We Want to Know

## What You Want

As editors, we have almost become acquainted with the mysterious mechanisms and limitations of running a paper, and we feel it is now time to look outward. Some people have made their dissatisfaction with the paper apparent, but make no beneficial suggestions.

Our concern is to improve the paper. This requires a twofold attack. First, we need an adequate data base to determine *your* desires. After all, it is your paper. Just address your comments to Editor, California Tech, Winnett Center. The second thing is for people to write! We have such a small amount of material come in each week that we are forced to run material which just isn't worth printing, simply to fill the pages.

Now we realize this is a lot to ask of you, since the student body here is notoriously apathetic, and moves waveringly in a course of action only when someone kicks it hard enough, but our case is simple: if you want a good paper, do something about it. To see the editors personally, contact Dave Sivertsen in 14 Ricketts; James Llewellyn, 115 Page; Ken Yoshida, 25 Dabney. It is time for the the complainers to either put up or shut up!

—Dave Sivertsen  
James Llewellyn  
Ken Yoshida

# Allen Discusses Quakes in Russia

"Earthquake Prediction Behind the Iron and Bamboo Curtains" will be discussed by Dr. Clarence R. Allen, professor of geology and geophysics who recently visited China and Russia, in a lecture in Beckman Auditorium at 8 p.m. Monday, April 21.

This program of the Earnest C. Watson Caltech Lecture Series is open to the public without charge.

Dr. Allen, chairman of the National Academy of Sciences panel on earthquake prediction, has visited seismological field stations in quake-prone areas of China and Russia where successful predictions have been claimed. Last year he was vice

chairman of the American seismology delegation to the People's Republic of China.

He will discuss how the social systems of those countries affect the way in which scientific investigations are carried out, and on the ways in which the Chinese and Russian people may respond to disaster warnings.

Dr. Allen is an authority on the great geological faults that ring the Pacific Ocean, including the San Andreas Fault. An alumnus, he has been on the Caltech faculty for 20 years. He has served as interim chairman of the Caltech Seismological Laboratory and as acting chairman of Caltech's Division of Geological and Planetary Sciences.

# Roberts Receives Medal

Dr. John D. Roberts, Institute Professor of Chemistry here was honored as the recipient of the Richard C. Tolman Medal of the American Chemical Society's Southern Californian Section.

Presentation of the medal at an awards dinner last Wednesday at Mistele's in Los Angeles marks the first time it has been given to a student of a former medalist.

Dr. Roberts obtained his PhD at UCLA in 1944 as a student of Dr. William G. Young, first recipient of the Tolman Medal in 1960.

Dr. Roberts is being recognized for his work in organic chemistry and especially with nuclear magnetic resonance (NMR), a penetrating technique for elucidating the structure of

molecules in solution. Currently there is much interest in investigating biologically important molecules with NMR.

Dr. Roberts has received many honors for his work. He has been at Caltech since 1953 and has served as chairman and acting chairman of Caltech's Division of Chemistry and Chemical Engineering.

# Knockout Drops Studied

Chloral hydrate, known as "knockout drops" or the "Mickey Finn" and used as a sedative for children and the elderly, inhibits cell division and the synthesis of protein, John Cross, a grad student here has concluded.

He described to the Society of Biological Chemists how he and Dr. Daniel McMahon, Caltech biology professor, are attempting to learn how the anesthetic inhibits these two key metabolic activities. Their research is supported by the National Institutes of Health.

"When chloral hydrate is used to treat cerebral irritation in babies, other researchers have shown that it prevents weight gain," Cross said. "It could be valuable to see whether protein synthesis is being inhibited or reduced in the infant, and if it is, whether there is a danger of producing defects in the infant which may have serious consequences in the adult."

Chloral hydrate has the same physiological effect as many anesthetics, Cross pointed out. It causes unconsciousness by depressing the central nervous system. Its rapid effects and use as a drug to shanghai sailors by adding it to their drinks led to

the name of "knockout drops."

Cross, 28, and McMahon are studying the effect of chloral hydrate on the protozoan *Chlamydomonas reinhardi*, to study the action of anesthetics at the molecular level.

Within a minute after a small amount of chloral hydrate (1.68 grams per liter) is added to water in which the organisms are swimming, their protein synthesis is inhibited. The anesthetic inhibits protein synthesis as long as the cells are exposed to it.

Its effects on the molecular machinery of protein synthesis can be divided into two phases. During the first two hours polysomes break down. Then, although protein synthesis continues to be inhibited 85 percent, the number of polysomes increases to the original level.

A polysome is a submicroscopic biological factory consisting of several ribosomes attached to a strip of messenger-RNA. The RNA carries the genetic blueprint for a specific protein. As each ribosome moves along the RNA, it strings together amino acids into a protein in a sequence specified by the RNA.

At the end of the RNA strip, the ribosome leaves the

RNA and the brand new protein—the amino acid string—disconnects from both the RNA and the ribosome. The ribosome then reacts with the same or another molecule of RNA to resume its task.

Chloral hydrate appears to decrease the polysome activity in this manner:

In the minute after the drug is added to the medium, the number of polysomes in the protozoa declined, while at the same time the number of ribosomes that detached from the RNA increased. Also, many of the detached ribosomes still carried the strips of protein they had been assembling.

"Apparently the ribosomes were dropping off the RNA and not losing the protein they'd made. If a ribosome is carrying a partially completed protein, it cannot bind to a messenger-RNA

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## FRANKLY SPEAKING

by Phil Frank



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### THE ASCIT FRIDAY NIGHT MOVIE

## A Funny Thing Happened on the Way to the Forum

7:30 p.m. & 9:30 p.m.  
in Baxter Lecture Hall

Admission: 50¢—ASCIT members and their guests; \$1.00—anyone else

NEXT WEEK,

Bedazzled

**Fewer Women**

# The Seduction Has Begun

by Alan Silverstein

It's that time of year again. The numbers and other such circumstances don't change much from class to class, but each year the faces are new, and perhaps the people are different. I am referring of course to that lucky(?) group of people called prefrosh now scattered around the world, who in six months will be scattered around here at Tech and known simply as Frosh. The admissions committee has completed the greatest part of its annual labors: last Friday 400 prized Caltech letters of acceptance went out from here in one batch.

Until those people who accept us in turn arrive here in the fall, the numbers and circumstances are all we have to speculate on. As usual, they aren't much different from last year, in a way that is both reassuring in one sense and disappointing in another. Total applications for admission were up this year, according to the Admissions Office, from 901 last year to about 950 this time around. That's a not-insignificant increase of five per cent, but why is anyone's guess. At the same time applications from women were down 14% from 94 last year to 81 now. It was thought by many persons a few years ago that admissions of women would climb slowly to a 50-50 level as our society and the Caltech image changed, but for two years now female applications have actually gone down in number. Unless a quota is established, which is very improbable considering the attitude of most of the faculty (and students too), or

the trend reverses, applications by and acceptance of women will continue to be low.

Last year only about 383 offers of acceptance were made by the Committee, somewhat less than this time. This reflects a lower expectation percentage being used by Admissions. "Way back when" it was 60% of the accepted candidates who decided to matriculate here, but now the figure allowed for is 55%, based on recent experience. Thus the typical Frosh class size (at the beginning of the year...) has been 215 to 220. About 30 women started in '73, but only 20 last September. That 20 came

from 35 accepted, and for what may be deduced from a similar statistic, 34 women were offered admission last Friday.

Of course, nothing is final until the Frosh actually get here next term, and predictions based only on past numbers are inherently uncertain. Will all 400 Prefrosh decide to come, creating chaos on campus? Or, equally likely, will they all flick us in for MIT, which would also be a disaster? Theoretically, either is possible. To find out what actually *does* happen, check the *Tech* after May 1 (the Candidates Reply Date, remember?) for later news.



Last Saturday, Hal Holbrook again became Samuel Clemens and presented *Mark Twain Tonight* to a packed Bridges Auditorium in Pomona. Mr. Holbrook's performance was, as usual, flawless and thoroughly enjoyable. The show is modeled after Twain's own speaking engagements, the only difference being that instead of Samuel Clemens, Hal Holbrook was Mark Twain.

Mr. Holbrook's subjects were taken from several of Twain's many works. The first half of the program was concerned with events from Twain's life, while the second half revealed his well known dissatisfaction with the human race and its follies. At the

end of the evening, the audience gave Messrs. Holbrook and Twain a standing ovation.

Mr. Holbrook was, unfortunately, at Pomona for one night only, but anyone who is not a confirmed Twainophobe should always be on the lookout for other performances. Also, having seen *Mark Twain Tonight* once, should *not* keep you from attending again. Mr. Holbrook has a large repertoire of Twain's tales at his finger tips. This is the second time I have seen this performance, and overlap was not large. If at all possible, see the show in a small theater, where Mr. Holbrook does not have to use an amplifier; but in any case be sure to see it.

—Edward Bielecki

# Hawking Honored

Dr. Stephen W. Hawking, 33, Sherman Fairchild Distinguished Scholar at Caltech, has been awarded the Eddington Medal and the Pius XI Medal for outstanding research in astrophysics and general relativity.

He will share the Royal Astronomical Society's Eddington Medal with a colleague, Dr. Roger Penrose of Oxford. They are receiving the honor for collaborative research on singularities in general relativity. A singularity is where the classical concepts of space and time come to an end, such as in black holes and at the beginning of the universe.

Drs. Hawking and Penrose have concerned themselves with the question of whether inhomogeneities could prevent the formation of a singularity when material undergoes gravitational collapse. They proved in a series of theorems that even inhomogeneities couldn't prevent the formation of singularities, and concluded that singularities associated with very high densities must have existed in the universe in the past.

Hawking has suggested that

microscopic black holes might have been produced in the early universe and has proven theorems about the maximum amount of useful energy that can be released by matter falling into a black hole.

The Eddington Medal is awarded every three years, and the Pius XI Medal is given every two years to a scientist who is under 35 years of age. It is awarded to a young scientist who already has achieved international reputation. The medal will be presented to Dr. Hawking by Pope Paul VI in Rome April 19.

Dr. Hawking was born in Oxford, England, earned his BA degree from Oxford University and his PhD from Cambridge University. He is a research assistant at the Department of Applied Mathematics and Theoretical Physics at Cambridge.

At the age of 32 he was elected to the Royal Society, and is currently the youngest member.

Dr. Hawking is at Caltech as a Sherman Fairchild Distinguished Scholar, pursuing his research, largely on black holes, with other Caltech researchers.

# Chess-Nuts

by Ed Espiritu


A series of Rapid-Transit Chess Tournaments are to be held by the Pasadena Chess Club. The first will be the 18th of April (Tonight!). It will take place at club quarters, Jefferson Recreation Center, 1501 East Villa St. Entrance is \$1.00 to club members and \$1.50 to others. 80% of the entry fees will be returned as prizes.

The club will also be holding

its 1975 Spring Rating Tournament. This starts Friday, April 25 at 7:30. It is a six-round Swiss. Games are weekly. Entry is \$3.00 for members and \$4.00 for others. The event is USCF rated and therefore requires USCF membership, which may be purchased at the tournament. The tournament is restricted to players rated below 1900 or unrated. Tournament Director is Jasen Dean at 796-2806 or Neilen Hultgren at 792-5294.

**Classic Movie Showing**

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**April 20th**

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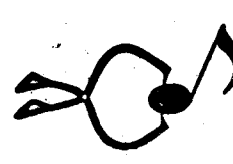
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## SILVER SCREENING

I saw a very entertaining license plate last Friday night. There was a large car, a Cadillac, and the plate on it said "LARGE". Now, this may not seem very entertaining, but then I'd just seen *The Passenger*.

You might gather from the opening that this review is going to be a pan. No. What I am doing is to take advantage of the situation to demonstrate the distinction between a statement and entertainment. You see, *The Passenger* is a remarkable statement.

Touted by Antonioni as "my most stylistically mature film," *The Passenger* is very moving, stunning both in its camerawork and its eloquence. Eloquence? Indeed. *The Passenger* is simply a statement of the human condition.

We meet Simon Locke (Jack Nicholson), a successful reporter who has found himself totally disenchanted with his life (sound familiar?). By circumstance (the death of another Englishman at his African hotel) Locke gains the opportunity to trade in his life for another, a life which is maintained by a datebook, and which eventually reveals itself to be that of a gun-runner. A girl (Maria Schneider) also enters the picture, though she is not a package-deal with the new identity. She remains a nameless self-professed tourist, and as a

tourist attaches herself to Locke.

In an uncut, seven minute straight camera shot from hotel to street and back again (such things are Antonioni's trademark, and are even better after his four year absence), the culmination of Locke's attempt to escape himself is found. It is remarkable, simple, and almost inescapable.

All of this is excellent, and it gives food for thought. But it is not easy to watch, nor does it make any concessions to the viewer's attempts to join the film's frame of reference. This takes effort, and is not tremendously entertaining. I saw this really neat license plate on the way home, though.

—Chris Harcourt

### More Loans

# Learn Now, Pay Later

by Al Drehman

At least that is the way the financial aid picture for next year looks according to Dr. Schaefer's figures. Last year financial aid was decided by the old College Scholarship Service (CSS) charts. After arriving at the aid required, the Institute then subtracted \$500 which was awarded as loan aid while the remainder was given as gift aid. In addition, up to \$550 was awarded for travel expenses. This coming year, however, will see the use of the new CSS charts which are, according to Dr. Schaefer, "very, very realistic." Unfortunately though, the increased aid shall come mainly in the form of loan aid rather than in the form of gift aid. This coming year's aid shall be determined using the new charts, but the first \$1200 will be in the form of loan. Naturally the travel

allowances will be given, however there will be little increase in their amount. It also appears that there shall be less gift aid available, in that \$732,000 was spent this year, while only \$550,000 will be available for next year. This amount is what Caltech puts in out of its own money, and does not count scholarships, grants, State scholarships, or any other source of money which Caltech does not directly contribute. It seems that the average Tech undergraduate will gain some gift aid in addition to the increase in loan aid. This is because of the better scales that the CSS is now using, and the fact that costs for next year will be going up over \$400.

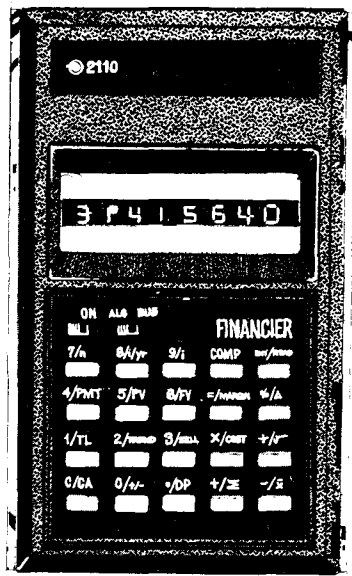
It also seems likely that on-campus jobs will soon be included in the financial aid packages, although no such program is currently in effect. In Dr.

Schaefer's own words "... and I think in the next two or three years on-campus jobs are going to have to become a formal part of aid. For next year it is not formal, but we are going to be keeping track of these things."

Next year will be the first year that the financial aid department will have a set budget and this has resulted in leaving little or no reserve funds for emergencies. Actually compared to most other (if not all) colleges, Caltech's financial aid offers are quite good. This is primarily because less than 10% of the Institute's income comes from tuition, so tuition is not so critical as it is at other schools.

Another problem which is hurting financial aid is that large contributions from companies are decreasing tremendously while

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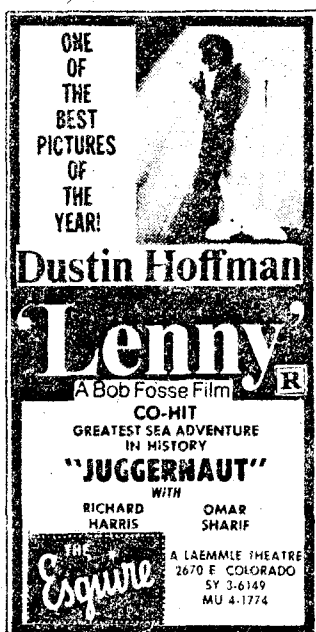
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## Election Results

by Sivertsen

Tuesday's election for Director of Social Activities resulted in a non-result, requiring a run-off election, probably to be held on April 23, between Morris Jones and Tom Snyder.

The vote turnout was 340, less than 50% of the student body, but average for this year. Votes were distributed as follows: Tom Snyder, 114; Morris Jones, 93; Jack Bacon, 42; David Angulo, 21; J. Weatherall, 15; "NO", 49; and a random scattering of write-in votes, including an illegal vote for Satan (non-ASCIT member).



the BROADWAY

*Water Logged*

# Tech Eliminated From Nationals

by Kapt. Klutz

The Caltech Sailing Team finished up the Southern Series last Saturday in a howling, gut-busting regatta at Lopez Lake. Winds up to 25 knots brought on epidemics of soggy seamen and equipment breakdown (Orange Coast learned that they shouldn't make their rudders out of plywood).

Our "A" team of Paul Gazis and Pierre Pastor provided the

first sideshow of the afternoon:

"Let's practice some jibes" [Ed. Note: 'Jibe' is a nautical term for steering a fore-and-aft into the wind, thus filling the wrong side of the sail and doing all sorts of keen things to the occupants of the vessel.] "Oops—here we go!" [See what I meant?] "Good thing this is warm water."

They righted their undamaged boat and made the first heat a

half hour later. By the time the regatta ended, all but two boats had followed their lead, some several times.

While our "A" team turned in a lackluster performance after their Saturday morning bath, the "B" team of Gary Bodie and Martin Teintze sailed to a glorious 3-3-2-1, good enough for second place in their bracket and pushing Tech to at least a third-place finish (They still haven't figured out the final score from the *last* time!)

Overall, we finished in ninth place, only six points behind OCC. The eight top schools will go on to the National Eliminations. This is the same effective result as last year, when we finished seventh and only six went to nationals.

Next year, though, things should be a bit harder to justify. For the first time in recorded history, there will be more than two people on the team who have seen a boat prior to the first race. The elimination of on-the-spot training of crew members should enable the team to eke out a few more points, or at least make Gazis eke out some new alibis.

So join up. No longer will you feel like a moron when you capsize in front of a large audience; you will do it in practice in front of other clods like yourself. There's a place for you on Today's Sailing Team!



Tim Morgon, the current star act at the Ice House, is perennially billed as "Hero of the Pepsi Generation." As you see him on stage, eyes, teeth and guitar all agleam, you realize that he *does* look like he stepped out of a commercial. After forgiving him for that, you can sit back and listen to his music. It is good to listen to. He does a lot of "easy listening" and soft rock songs, along with ad libs, parodies and a lot of audience rapport. I have seen Tim Morgon perform many times, and I have never come away with the feeling that he has done a bad job of entertaining an audience. One unfortunate thing about him is that much of this is lost on his albums, one of the reasons that he has never become a star. Most of his value as an entertainer is the comfortableness of the sets he does, the involvement, the conversations with the audience. That just isn't possible on a record, even on his "Live at the Ice House" album.

Tim Morgon does all sorts of songs, including ones done in popular versions by everyone from B.J. Thomas to Elton John. He does them all at least reasonably, but only occasionally do flashes of real excellence creep in, and this is my only complaint about Tim. For instance, he introduced one song as being one that he liked, but would probably never be a hit. (Actually, it is receiving considerable airplay by another singer, in an inferior version.) This song, "Mandy", turned out to be probably the high point of the whole set, one

in which Tim forgot about all the "cute" mannerisms he has had to pick up playing everywhere from bars to high school gymnasiums, forgot about pulling up his sleeves and joking with the girls in the front row, forgot about ad libbing double entendres into every possible line, and just sang. When this happens, the difference is amazing. Ordinarily, Tim Morgon is good, and quite entertaining. When he cuts loose, he is far more. A couple of years ago, Tim had a backup group of very good rock instrumentalists, which seemed to allow him to concentrate on his singing rather than his guitar. His current band, with just a drummer and bass player behind him, good as they may be, leave the burden of the guitar work to Tim in addition to his singing. He is not that great a guitarist, he is a singer who plays guitar. Having to do both may be detrimental to his vocals, and that is what he's there for.

Tim Morgon is quite good. I just wish he'd stop screwing around and be great.

Dan Murphy opened the show with a mixture of traditional and modern folk music. He is a talented performer making his first appearance at the Ice House, and I think his talents are sufficient to warrant a return engagement. He did his own versions of what the records sounded like on "Ruby" and "A Boy Named Sue", along with songs by both Woody and Arlo Guthrie. He even did his imitation of the group Chicago (the

Continued on Page Six

Doug Weston presents  
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**What Is an Unknown Classic?**  
*An unknown classic is a classic in one part of the world and a "what's that?" in another.*

**The Game of Love and Chance**  
by Marivaux

*is an unknown classic. It has been holding the stage in France (and the rest of the Continent) since 1730. French professors, stockbrokers, and paperclip-twisters are familiar with it. But alas, it has never crossed the Atlantic. Or rather, never until now. Because the American premiere will take place right here at Caltech this month as Spectrum's 8th production, with a delectable gaggle of career actors directed by Shirley Marneus.*

**APRIL 25, 26      MAY 1, 2, 3**  
**RAMO AUDITORIUM      8 P.M.**

Caltech students: \$1.00    Caltech/JPL staff: \$3.60

*Oh, and we forgot to tell you: it's a very funny play.*

**Frets**  
Continued from Page Five  
ten performers and four instru- whole thing) playing "25 or 6 to 4" as well as a solo version of "Dueling Banjos" (playing both guitar and banjo). On these numbers, the fact that the idea was hilarious almost drowned out the fact that he is a good enough musician to actually do these insane things. Dan Murphy played six-string, twelve-string and banjo very well, and has an interesting voice. He opened both sets with traditional works, "Whiskey in the Jar" and "Tennessee Stud", livening up the house in both cases. His "Chickens" song, complete with guitar sound effects (rooster sneaking into yard carrying stepladder) that were hilarious. One of my favorites was a song about a country-western band and the bar they play in, called "Richard and the Cadillac Kings". This song reminds me of a type of song that is becoming popular, where the song tries to describe what it's like living in the

make-believe world of entertain- ment. This one is a funny-sad song about a bunch of down -home guys who pick up their spare money and their kicks playing in a bar and getting smashed between sets. I guess that's what it's like when you have just enough talent to be forever small-time. I hope Dan Murphy makes it to the big-time. He is good.

Kelly Monteith, a comedian, rounded out the regular part of the show with monologues and stories about growing up, about social pressures, about stupid social habits, and dozens of other human foibles. He is good, and he hits home with many of his verbal arrows. He is not above poking fun at himself, but his act doesn't depend on it. He pokes fun at life itself. I like that sort of comedy, because what else is there to laugh at. Unfortunately, Kelly's comedy is very hard to describe further, at least in terms of why he is good or why you should want to see him. The best description that I have seen so

far is "Kelly Monteith lives up to his name." Personally, I find that accurate, but not useful. Kelly Monteith is very entertaining, very funny, and very hard to explain, since he talks about almost everything. Go see him for yourself, if you don't believe me.

Jimmy Walker, from tele- vision's "Good Times" series, dropped in to practice some material. He is very funny, but a bit single-minded in his ideas on humor, playing up very much the role he plays on TV of a ghetto teenager attempting to be Super- stud. This is much funnier in context than here, but it is still entertaining, talking about the house he bought in Bel Airs after the series became a success, describing the black picket fence and little white cast-iron jockey on the lawn. Guest acts are a nice feature of the Ice House, and performers like to perform their new acts there before a friendly audience. It provides you with extra opportunities to hear and see big-name performers



Surprise! We have a good show lined up for your entertain- ment, but it didn't make it onto the green Y calendar for April who otherwise don't appear at clubs.

Next Monday night, the Roto Rooter Goodtime Christmas Band is the special show. This is followed by the Muledeer and Moondogg Medicine Show (see them this time if you blew it last time, you idiots), Toulouse (a guitarist) and Harold Oblong, of music and comedy near-fame.

(which means the new Excomm has started working). So, take note, on Wednesday the 23rd the Richard Shepard Mime Theatre will perform live and free for you at 8:00 PM in Winnett Center. Mime is of course pantomime—the art of perfor- mance without words. The Shepard Mime Troup has to be America's finest such group, with mentalists. Shepard himself started America's first mime troupe in 1952, wrote the book *Mime—The Technique of Silence* and was described by the LA Times as possessing "...complete naturalness, direct rapport with the audience, and a zany sense of humor." It promises to be a fun, enjoyable evening with some great entertainers.

Eat lunch on the Quad today and listen to the Dower Ensem- ble of Caltech Folk-Rhythm. Next week's Noon Concert, same time and place, we will be bringing you Peter Alsop direct from the Ice House in Pasadena. Add day is today.

—Alan Silverstein

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*Hadon Falter***Bolt From the Not-So-Blue**

by Fred

A thin curl of smoke drifted up from the single candle in my room. I was working late into the night, as I usually did, researching a new magical spell. I could feel it almost on the tip of my finger. There was a knock at the door, which I ignored. Another knock, and after a pause the door opened and Golden Boy slipped in quietly to see why I hadn't answered.

Barely looking up, I hurled the new spell at him. He jumped three feet backwards looking startled and gasped out, "What was that?"

"A new spell I'm developing. It didn't work."

"That's too bad," he said, trying to sound sympathetic now "What was it supposed to be?"

"A bolt of lightning."

He stopped for a moment to convince himself that I wasn't serious and then continued with the reason for his intrusion. He began by telling me the story, which I'd already heard, about

the expedition of the previous week. I'd been too busy to go along and was glad I hadn't when I learned that the party had been nearly wiped out by a magician with a wand that threw lightning bolts. (This was what had inspired me to learn the spell myself.) Now Golden Boy wanted to be sure of recruiting me as safeguard against chaotic magicians. Being at the same time the most powerful and the slowest magician in the village made it questionable whether I could be of value, but I agreed to come.

Among the twelve in our party were Superelf and Hugh, rapidly becoming veteran warriors. Hadon, fresh and eager for a good fight, and Father Aaron, who had nursed Hugh back to health a few weeks previous. It was late March now. The snows were disappearing rapidly and blades of grass were appearing in the open fields. A light rain had ceased before we reached the dungeon. The day was bright and full of good omens.

Our first opposition underground was a pack of giant black rats who were dispatched handily by Hadon and Superelf. The corridor ended in the first of a circle of wedge-shaped rooms, and we broke down doors for a time until we reached another straight section. Twenty feet along we broke down another door, then a second door six feet beyond to reveal a third after another six feet.

Hugh and Hadon approached this one as they had the last dozen, which we had used iron spikes to hold open as we went. There were no noises behind it, so with Superelf standing behind them in the same room and the rest of us strung out down the corridor they broke it down.

Facing them across the threshold was an evil-looking figure in robes, holding a magic wand. Superelf recognized him immediately as the man with the lightning bolt wand. Before it could be fired, Superelf had held up his hand and offered the man a generous bribe if he would let us go in peace.

"What do you have?"

"Well, there is a fantastic jewel at the rear of the party which we can give you if you'll let us go."

"Bring it up, quickly."

**Aid**

**Continued from Page Four**  
contributions from other sources are not even keeping up with inflation. This is all reflected in the sudden increase to \$1200 in loan aid. The suddenness is a result of the new CSS tables and the fact that this year's aid really should have contained around \$200 more loan and \$200 less gift aid for each student. If you will be a senior you do not have anything to worry about, but next year's froshlings could end up owing \$4800 at the end of four years!

Overall, the financial aid pic-

The rest of us, except Hugh and Hadon, were flattened against the walls by now hiding behind doorjambes or whatever. Superelf's plan sounded excellent to me. It would certainly get us out of a tight spot, which was worth the price of any jewel. The looks on the faces of my companions showed agreement. But Superelf was not one to give in to extortion. As Aaron trotted from the rear with the jewel in hand, Superelf hatched a plot to doublecross the magician. He signalled Aaron to attempt to subdue the magician by an act of God. (Our clerics had discovered they could sometimes subdue an evil opponent by a quick prayer for miraculous intervention. Superelf had his own opinions about the process, but respected their results.)

Aaron nodded, then tossed the jewel at the magician's feet and started mumbling frantically as he fingered his rosary. The magician started, then leveled his wand and fired. A long bolt sizzled past, inches from my nose and blew the mule behind me to ashes. Aaron was struck squarely in the body and killed instantly. Hugh just managed to jump aside but Hadon was caught before he could dodge and died. The rest of us ran for our lives before he could fire again. I paused a moment to magically seal one of the doors behind us to slow down his pursuit. A few breathless minutes later we were back on the surface.

ture does look promising despite the increase in the amount of loan. It would be ridiculous to try to give any estimate of anyone's financial aid without printing a mess of tables and charts, so wait until next month when you will be getting the news first hand from the financial aid department. So remember, the word is: Learn now and pay later!

**Drops**

**Continued from Page Two**  
and reinitiate protein synthesis."

The number of polysomes declined about 50 percent in 15

**News Briefs**

**Continued from Page One**  
films. It costars Boris Karloff, who actually was an opera singer before getting into horror flicks. Admission is \$1. Sorely needed donations are also welcome.

**Son Of Orpheus**

Tomorrow night at 8 p.m. in Baxter Hall, Cinematech is showing two films by Jean Cocteau. In *Orpheus*, a modern version of the Greek myth, nightmarish symbolism and cinematographic fantasy are interwoven into a magical dreamlike maze of mythical reality as the Poet reaches for death and beyond in post-war France. *Testament or Orpheus*, sequel to *Orpheus*, is Cocteau's farewell statement to the world in which he wanders through two centuries dissolving concepts of space and time in a search for beauty. General admission is \$1.50. ASCIT and GSC members get in for a dollar.

**Big Mac**

**Continued from Page One**  
the best ideals of American sportsmanship."

In response to Lopaty's remark concerning public opinion, the students state that "we regret any ill feelings that may have been generated by our actions, but we do not think we have taken unfair advantage of others, since we invested our own time in this accomplishment."

The students' statement also made more widely known their plans for the money, largely overlooked in the furor. A large part of their winnings are to be donated to worthy causes in the local community. The remainder of the money is to be used for and by Page House. None of the students involved is to receive any personal profit.

minutes. If the chloral hydrate was removed, the cells recovered and began normal growth.

There is a strong correlation between the inhibition of protein synthesis and cell division, Cross reported. The sedative completely blocked cell division. When the drug is removed, normal cell division resumed.

Cross said he and Dr. McMahon are trying to find out whether ribosomes are working at a normal rate, or if fewer of them are working during chloral hydrate treatment.



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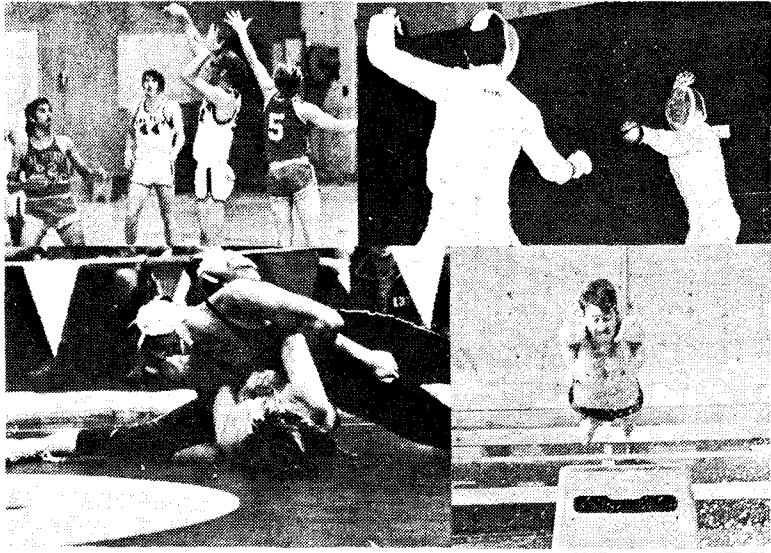
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Sports Supremum

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1:30 p.m.	Tennis		La Verne	Away
1:30 p.m.	Tennis (JV)		La Verne	Home
12:30 p.m.	Golf	Monday, April 21	Occidental	Away
3:00 p.m.	Baseball	Tuesday, April 22	Redlands	Away
2:00 p.m.	Track	Wednesday, April 23	Pomona-Pitzer	Home
TBA	Tennis	April 24-26	Tourney	Ojai
All Day	Golf	April 25-26	Tourney	Torrey Pines

another news brief

San Diego Sessions

The University of San Diego is offering three summer sessions to cater to those who spend all or part of their summer in San Diego. Sessions run from June 2 to June 20, June 23 to August 11, and from August 4 to August 22. A variety of classes are available each session as well as special programs in Guadalajara and Paris. For more information, call USD at 714-291-6480, x221, or write: Summer Sessions '75, Room 108 Founders Hall, USD, Alcalá Park, San Diego, CA 92110.

Beavers Forfeit, Still Lose 14-0

by Tom Creswell

Afternoon labs and a jovial Whittier team defeated an under-strength Caltech baseball team 14-0 last Wednesday.

The game was declared a forfeit at 3:15 when the Beavers still lacked 2 men to field a complete team. However, the teams decided to scrimmage anyway and with the help of a

Whittier pitcher and catcher the Beavers were on their way to getting creamed. The game saw many of the players change positions due to the fact that someone was always arriving from or leaving for a class.

The Techers finally got a homogeneous team with the arrival of Steve Eckman and Richard Gayle from a lab. Some

highlights of the game were Ed Rea's triple and Larry Bridges' inability to see the ball for lack of his glasses. Imaginative scoring late in the game helped the Beavers to close to 11-14, according to the scoreboard.

The team hopes to do better in a doubleheader against the same team this Saturday at Whittier.

Track Trumped

by Tommy Burgher

Despite the fine efforts of Greg Griffin and Doug Herbert, the Caltech track team fell to defeat last Saturday at Biola with a final score of 109-45. This brought the Smog eaters' record to 1-5 on the season. Coach Leroy Neal pointed to a rain-plagued schedule and a small turnout of athletes as factors which have hurt the team's chances so far this season.

Griffin, despite limited workouts due to a muscle strain, captured first place in both the mile and 3 mile. His mile mark was 4:37.5, and his 3-mile time of 16:08 won going away. Herbert, while taking only a third in the discus, threw 152'4", breaking his old school record in the event by 2'3". He also took a 2nd place in the shot put with a mark of 44'.

Tech got a bad break when

Duane Boman scratched twice on two lifetime bests in the long jump. His legal mark of 20'1" did get a 2nd place, and Duane also contributed a 2nd place in the 120HH. Other firsts for Tech include a 148' javelin toss by senior Bill Sharman, and a 39'4" win by Larry Wise in the triple jump.

The only other place taken in the field events was a 3rd place performance by Don Hamasaki in the pole vault. The depth in the running consisted of a 2nd by John Land in the 100 yd. dash, a 2nd in the 440 intermediate hurdles by Hamasaki, and 3rd places by Duane Gray in the half mile and Dave Sivertsen in the 440IH.

The next track meet will be tomorrow against Claremont-Harvey Mudd. Come out and watch them try to beat the Mudders.

Budget

Continued from Page One

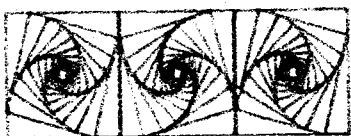
Men's Glee	800
Women's Glee	300
Student Prince	350
Other Clubs	230
Total	\$14,680

This leaves reserves of about \$320. Any comments regarding the budget should be placed on the reverse side of the ballots in the coming election for Director of Social Activities, Wednesday, April 23.

CACP

Continued from Page One

Anyone wishing to observe this in action should contact a member of the Clean Air Car Project. [Ed. Note: Clean air maybe, but not clean minds!]



OUCH! With a single mighty blow, John Dilles belts a line drive into center field and his coach in the face. Photo by B. Bus

Transcendent Lecture

There will be a lecture on Transcendental Meditation presented by the Caltech chapter of the Students International Meditation Society in the Winnett Lounge at 8:00 p.m. on Thursday, April 24th. Refreshments will be served at 7:45.

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WANTED

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