

photo by Dash

Upper photo: Millikan and Dabney reign supreme over pagan rights held at Caltech last Friday. The rally fire (produced by the freshmen) burned long and hard, but even when combined with the hex symbols on Millikan, the spell was not strong enough to keep Tech from losing to Loyola 48-14.

Lower photo: "Look everybody. Girls!" Caltech's custom imported cheerleaders liven up both fire and game.

Summer Thefts Reported

Property Worth \$2,482 Stolen

by Marc Aaronson

While the security police at Caltech are often jeered and laughed at, they are performing a serious, responsible job 24 hours a day, 365 days a year. Ken Charles, chief of the nine-man guard staff that constantly patrols campus, asserts as his primary function the safeguarding of students, faculty, and Institute property.

According to Charles, the greatest campus problem is theft. In the past two months, \$2,482 worth of Institute and personal property has been stolen. Cameras, wallets, bicycles, car covers and batteries, and short wave equipment are among the most prevalent items reported missing.

One of the largest robberies ever remembered is now being investigated. Sometime over the summer, the storage trunks kept

in the basement of Ricketts House were broken into and the contents stolen. Some of the items taken included stereo equipment, furniture wood, books, and sliderules. The total value of the missing articles has not yet been determined.

Charles says that no clues to the identity of the thieves or to the whereabouts of the stolen items have been uncovered. He does believe that more than one person took part in the theft. Patrols have since been doubled and a new system of records has been put into use with the hopes of preventing similar thefts in the future.

When asked about the general investigating procedures for reported crimes, Charles replied, "A preliminary examination is first held. If any physical evidence turns up, we call in an

investigator to take fingerprints and photographs which are then sent to the California Identification and Investigation Bureau in Sacramento. Captured suspects are immediately turned over to the Pasadena police.

Charles has been chief security officer for two months and on the Caltech guard staff for over a year. Born in Los Angeles, Charles is 28 and now lives with his wife and two children in Glendora. He is presently studying at California State College, Los Angeles, for a B.S. in criminology. Charles hopes to remain at Caltech for some time.

When asked why he thought theft was so prevalent here on campus, Charles replied, "Locks don't really stop people, anybody can pick one. Besides, the steam tunnels are a major contributing factor to robbery. We try to discourage students from entering them." Charles continued, "We think very highly of the Caltech student and the honor system, and we believe that most thieves are from off campus."

To those entering Caltech, Charles has this plea: "The campus guards would like to be considered your friends. We are here not to harass you but to cater to your needs. We encourage all students to help us and ask for help when they need it themselves. Above all, any suspicious goings-on a student sees should be reported to us at once."

CIT Development Fund Reaches 1/3 of Goal

The Caltech Development Campaign has achieved one-third of its \$85.4 million goal, according to the September monthly report of the Caltech Development Division.

As of September 30, \$28,233,293 had been contributed to the development campaign, which was launched last November under the banner of "Science For Mankind."

According to Curzon Fager, director of the campaign for funds, the amount of funds thus far collected is less than had been hoped for by this time. Fager reported, however, that the campaign hoped to receive several major gifts in the next several months.

The breakdown of the gifts thus far received shows that over \$7 million has been received from private corporations,

over \$6 million from personal contributions of people excluding alumni and trustees, and over \$2.5 million from various foundations and societies.

The trustees of the Institute have thus far contributed nearly \$11 million to the campaign. Alumni and parents have contributed over \$1.5 million.

Of the contributions, \$13.1 million was earmarked for the construction of new buildings. This is 41.8 per cent of the campaign's goal in the construction area.

Some 35.4 per cent of the campaign's goal in the area of operational funds has been attained, with \$12.3 million contributed for this purpose.

Contributions in the area of endowment, however, are only 14.7 per cent of the hoped for goal, with \$2.8 million contributed in this area.

Young Dem.s Quit Protest Ticket

Officers of the Caltech Young Democrats resigned today in protest of the policies of the National Democratic ticket. Steve Lewis, Y.D. president, stated that while he felt the Humphrey-Muskie ticket superior to either Nixon or Wallace, the brutal suppression of the democratic process and of peaceful demonstration at the National Democratic convention, the refusal to take a constructive stand on Viet-Nam or other issues, and blatant courting of the short-sighted paranoid backlash vote made support of Hubert Humphrey impossible. Should there be people who wish to work with the Democratic party in the current campaign, there will be a meeting of the Y.D.'s tonight in clubroom two.

Smog Men Orientate

The ASCIT Research Project will present an orientation meeting this Saturday at 9:45 in 201 Bridge. All students are encouraged to participate. After a lunch break, organizational meetings will consider 15 possible research areas for the fall program until 4:30, probably rejecting some.

clude touching up the plumbing and electrical wiring of the old houses, probably during the school year.

In Day's words, the rehabilitation project has a tremendous momentum.

Successor for Lindvall In Engineering Named

Dr. Francis H. Clauser, vice chancellor for science and engineering at the University of California, Santa Cruz, has been named to succeed Dr. Frederick C. Lindvall as chairman of the Division of Engineering and Applied Science at the California Institute of Technology.

Clauser, 55, will assume his new duties after next June, when Lindvall steps down from the chairmanship. Lindvall, 65, has been chairman of the division since 1945, and will continue at Caltech as professor of electrical and mechanical engineering.

"We are fortunate to have secured the services of such a distinguished engineer as Dr. Clauser to head our Division of Engineering and Applied Science," said Caltech President Dr. Lee A. DuBridge. "We chose him after a nationwide search for just the right man to succeed Dr. Lindvall, who has served the Institute so long and so eminently."

Clauser, who took his bachelor's, master's and Ph.D. degrees at Caltech in the 1930's, spent the first nine years after leaving Caltech as director of aerodynamic and design research for the Douglas Aircraft Co., Santa Monica, Calif. He spent the next 19 years at Johns Hopkins University, Baltimore, Md., where he founded and headed the Department of Aeronautics.

In 1965 Clauser was named vice chancellor for academic af-

fairs at the University of California's Santa Cruz campus, and in 1967 he became vice chancellor for science and engineering.

He is a fellow of the American Academy of Arts and Sciences and of the Institute of Aeronautical Sciences. In addition, he has served on many scientific advisory boards, including the Science and Technology Advisory Committee of the National Aeronautics and Space Administration, the National Academy Committee advisory to the Environmental Science Services Agency, and The U. S. Air Force Scientific Advisory Board.

Clauser was also invited to give the Olin Mathieson Lectures at Yale University in 1962, and in 1966 he received one of Caltech's first Alumni Distinguished Service Awards.

He has published widely in the fields of aerodynamics, fluid dynamics and applied mechanics, and is the author of a book on Plasma Dynamics.

A native of Kansas City, Mo., Clauser married the former Catherine McMillan in 1937. They have a daughter, Caroline, and a son, John.

Lindvall, a native of Moline, Ill., took his bachelor's degree in railway engineering at the University of Illinois in 1924 and his Ph.D. in electrical engineering at Caltech in 1928.

He served as a teaching fellow

Student Houses Get Rugs, New Room Tests Planned

by Bob Dullien

The administration, according to Dr. Robert Huttenback, master of student houses, was, after a long struggle convinced of the necessity to make the undergraduate student houses more habitable.

Those living in one of the old houses will be affected a great deal more than the denizens of the new houses.

There are several committees working on the rehabilitation program. Most of the ideas have been coming from the committee headed by Dr. Robert Leighton. The architect in charge of the project is John Day. The program is to be completed in several phases.

Phase One

Phase one has already begun. In this phase, all halls in the old houses will be painted and will get carpets. Also, the pres-

ent glaring, bare lightbulbs will be replaced with lighting fixtures that live up to twentieth century standards. To cheer up the houses even more, a number of lithographs and intaglios will be put up in the halls.

The new houses are not going to be left out, either. For one thing, all halls will be carpeted. There is also a chance that the new houses will get their share of art work for the halls.

More To Come Later

Roland Coate Jr., an outside architect, is working on the next stage of the program which is to focus on building a prototype alley containing experimental rooms. Each room would be different from all others. Student reaction toward each type of room will be observed. The results will be used in determining the future course of the project. The second phase will also in-

(Continued from page 3)

Editorial

Why the Wallace Ad

On page four of last week's issue of this newspaper, a paid advertisement supporting the candidacy of George C. Wallace for President was run. The editors and the business manager of this newspaper had a conference on whether or not to insert the advertisement prior to its appearance.

In response to the outcry and indignation expressed to us by many readers, we feel it advisable to report the consensus we arrived at in deciding to accept and publish the advertisement.

Primarily, we are sincerely dedicated to the principle of freedom of the press. We will allow—nay, we welcome—any and all statements of opinion or ideologies within the pages of this paper. We extend this freedom to advertisements as well as letters to the editors or the opinions of our staff columnists.

Although as editors we are totally within our rights to slant this paper in any direction we see fit—as has been done with certain metropolitan papers we could mention—we will continue to refuse to censor any ad, letter, or column simply because it is repugnant to us.

We believe our readers are intelligent enough to form their own opinions on the material we present, and we hope that they keep in mind that we are striving to present to them the widest diversity of viewpoints possible.

As readers will note, an advertisement in this issue reflects what might be considered an opposite opinion.

Jim Cooper
Dave Lewin

Colorado Regents Caltech to Have Adopt Code for Its Own Fanny Student Conduct

by Mike Farber

What issue could possibly put SDS, the Young Republicans, the Graduate Federation, and union representing TA's, and the student body government on the same side? It's happening at the University of Colorado, where the Regents have recently adopted a "Standard of Conduct." From the *Colorado Daily* comes word of this joyous document, which reminds the students of their "responsibility to currently accept codes of behavior and morality," and prohibits use of campus facilities for "the display of any article or act not in accord with good moral codes as generally accepted by society." It seems that the Regents at Colorado are elected, and by party, of all things. We don't know how lucky we are . . .

Also, says the *Colorado Daily*, "A rebate to patrons is offered by the University Bookstore on all purchases." Why not?

The Whittier College Quaker Campus reports that the freshman male student staged a party raid on Stouffer Hall, the girls, dorm, last week. When the intrepid fuzz arrived, a slight melee ensued, and the freshman class vice-president was busted and booked on a charge of curfew violation. Previously, the police had engaged in the inter-

Dear Students,

In next week's edition of the *California Tech* I will be starting a special column. In my column I will provide answers to your questions concerning any of your problems. If you have personal questions you would like to have answered and choose to remain anonymous, I will supply advice in this column both for you and your friends at Cal Tech who may have similar problems. I am looking forward to hearing from you soon.

Fondly,
Fanny

Everybody has a problem. What's yours? For a personal reply write to Fanny, c/o *California Tech*, Winnett Center, California Institute of Technology, and enclose a self-addressed, stamped envelope.

esting practice of disrupting the campus by buzzing it with their helicopters. It seems that our neighbors to the east have had quite a bit of trouble with the guardians of the law in Whittier, the home of Richard Nixon . . .

At Worcester Tech in Massachusetts, the Board of Trustees voted to eliminate compulsory ROTC for sophomores. ROTC remains compulsory, however, for freshmen, reports *The Tech News*. No wonder some peaceniks distrust technical schools . . .

"Fourth?"

by Robert Geller

The average Tecker considers it cowardly to pass, whether or not he has the values to justify a bid. Today's hand shows how this fearless trait can boomerang and result in horrendous losses. As a general rule it is hardest to place the opponents' cards when neither one has bid, although occasionally it is possible to infer the location of a certain card from the fact that neither adversary has bid. When an opponent has bid, particularly when he has made an opening bid, declarer can usually place the majority of the enemy's high cards with the bidder. In today's hand though, declarer uses an opening by the opponents and the subsequent bidding to place the missing high cards with the partner of the opener.

About the nicest thing one can say about the actual bidding of this hand is that it could only happen at Tech. West could not stand the thought of passing at favorably vulnerability, so he opened the bidding with a psychic bid of one diamond. This type of bidding, although it may succeed on a particular hand is a rather bad tactic, because its frequent use will eventually destroy all partnership trust in constructive bidding. The psychic did, however, place North in a rather uncomfortable position. With such a strong hand, an overall of two clubs was not sufficient to express his values.

On the other hand, a takeout double and a cue bid were somewhat misleading because of the scanty support for hearts. Probably the double is the best call, because it leaves a comfortable cushion of uncommunicated values, if South's heart bidding places North in a difficult position; while the cue bid expresses the full value of the North hand, and presents the risk of forcing the bidding dangerously high. The actual two diamonds bid is only slightly inferior, however. East, who had no way of realizing that his partner was psyching, doubled, asking West to pass, if he could not double any of the opponents' bids. South's two heart response was an underbid, because South has a much better hand than North can expect in this situation. The correct response is three hearts. If South has what he might be expected to have for a two heart response, North's jump to three no trump is totally unjustified in terms of playing strength. With only a doubleton in his partner's suit, and only a single stopper in diamonds, it is rather difficult to see how North expected to take nine tricks opposite his partner's probable yarborough. Again, it seemed to East that North was making an unjustified overbid, and he cannot be blamed for doubling three no trump and four hearts.

After the bidding and opening lead, South could place all of the

missing high cards. West's lead of the queen of diamonds marked him with three of the missing high card points. To justify his doubles, East probably had all eleven of the remaining points, four trumps and at most three diamonds. If this analysis was correct, an endplay situation was present and was the only certain way of making the hand. South won the ace of diamonds, and immediately led back a diamond, won by West's jack. The third round of diamonds was ruffed by South, who noted with satisfaction the fall of East's king. South now crossed to the ace of spades and took the heart finesse, cashed the ace, and led a third round. At this point, East had no way of avoiding underleading one of his queens, so South made four hearts doubled, and West learned a very expensive lesson about psychic bidding.

North			
S A K 5			
H 6 2			
D A 10 8			
C A K J 9 8			
West (D)		East	
S 10 7 6 2	H 9	S Q 8 3	H K J 10 5
D Q J 6 4 3	C 7 4 3	D K 9 7	C Q 10 5
South			
S J 9 4			
H A Q 8 7 4 3			
D 5 2			
C 6 2			
North-South vulnerable			
West	North	East	South
ID	2D	Double	2H
Pass	3NT	Double	4H
Pass	Pass	Double	4H
Pass	Pass	Pass	

West led the queen of diamonds.

Into the Incinerator

The Frosh Discover Initiation

By Jim Cooper

(Columnist's note to new readers: Edward B. Barrelmaker has been a friend of mine for over a year now. I have been reporting his activities — as he tells them to me — solely to extend the coverage of this newspaper to other campuses, since this paper covers this campus so well. Others have told me that there is a great similarity between Barrelmaker's school and our own, but I have never been able to discern any. Besides, what other school would have the nerve to be similar to Caltech?)

Soph (yes, SOPH, thanks be to Morgul) Edward B. Barrelmaker of the Mythological Institute of Theocracy glanced up as the door to his room opened. A group of solemn figures entered, clothed in the sacred robes of Theocratical Enlightenment.

Barrelmaker recognized the faces under the monastic cowls as belonging to frosh.

"Well, what can I do for you new fellow Theocers?" Barrel-

(Otherwise known as a goldfish). A young boy sees it at a carnival wheel of fortune but does not have enough money to try to win it. A man with a beard also sees the golden fish and wants it. He wins at the wheel but loses the fish when it refuses to be caught. In the struggle to catch the fish, the man with the beard breaks a bottle the boy was carrying, and pays him for it. With this money the boy wins the fish.

Once at the boy's home, the fish strikes up an immediate friendship with the boy's canary. While he is away, the two go through many indescribable gyrations (?). In the process the fish finds an end to its frolic by flopping onto the dry table. Enter villain.

The villain in this case is a

maker asked jovially.

Barrel, Barrel

The leader of the group . . . a dark-haired individual with a Southern accent — said, "We're here about initiation."

"Oh, you guys don't have to worry about that," responded Barrelmaker. "Initiation has been done away with."

"It was felt that initiation was too cruel and would create hatreds instead of friendships," Barrelmaker added. "Besides, you guys are pretty friendly when you get here, and we wouldn't want to contaminate you with hard feelings, would we?"

The frosh looked at each other sadistically. Their leader spoke.

"We're here about initiation," the leader repeated. A maniacal gleam came into his eyes, and he cackled, "Your initiation!"

Horror washed over Barrelmaker's face. "Hold on!" he shrieked, as the frosh grabbed him and lifted him. "You can't do that. Initiation is illegal."

cat. First we see him examining the bird. After pawing tentatively at the cage and getting nowhere, the cat turns to the table where the fish lies. After a thorough investigation, the cat picks the golden fish up in its jaws, and throws it back into the fishbowl!

Memories

Last Year at Marienbad was the feature film. It is the most difficult to describe, since it had no definite plot. The whole movie centers around the relationship of three people. Marienbad is a hotel, and there is a woman (Delphine Seyrig) who may or may not have a husband (Sacha Pitoeff). She may or may not have met a man the year before (Giorgio Albertazzi) whom she fell in love with.

(Continued on page 5)

Where You're At

"Oh yeah?" said the leader. "It may be illegal for upperclassmen to initiate frosh, but there's nothing about frosh initiating upperclassmen."

"Besides, you went through initiation last year, so you already know the meaning of 'hate' and you can't be corrupted by it since you already are."

Barrelmaker by this time was half-way to the initiation grounds — the showers — when a loud yell ripped through the halls. "Save Barrelmaker; Save Barrelmaker!"

A large band of upperclassmen descended upon the frosh. "Shower the frosh! Shower the frosh!" the cry went up.

"You can't shower us," said the frosh leader. "That's illegal."

How Come Coopers

"You forgot one thing," said an upperclassman. "You can do anything to the frosh as long as you don't do it to them individually. So we're starting a new kind of initiation."

"What's that?" asked the frosh leader.

"Group showers!" cried the upperclassman as he and his cronies descended upon the now hapless frosh.

A few minutes later, Barrelmaker, who had been unable to extricate himself from the melee, found himself wedged into the corner of a shower stall with 20 or so other assorted frosh and upperclassmen.

Are So Fat?

Gasping for breath under the icy stream, Barrelmaker's closest neighbor turned to him and said, "Boy, I can hardly wait."

"Wait for what?" asked Barrelmaker.

"Wait until we get those new community bath tubs the Institute has promised us. Then we can really have initiation."

Towering Eyeful

by Dave Linker

The opening of Cinematech last Friday at Culbertson Hall promised another year of stimulating entertainment

To begin with there was a Chaplin movie entitled *The Rink*. In it, Charlie visits a roller-skating rink, and in his short stay there makes an enemy (Eric Campbell) as well as being invited to a roller-skating ball by a pretty lady (Edna Purviance) who believes that he is a duke. When Charlie arrives, he finds that his enemy has also been invited.



Although they try to avoid each other, by some amazing mischance, when Charlie falls, it is on the lady (?) who is escorted by his enemy. The ensuing battle sucks in all the other men at the ball. When they start to chase Charlie, the police join in, also on roller-skates. Tired of the chase, Charlie exits to the street, hooks his cane onto a passing car, and thumbs his nose at the frustrated attackers.

Fish Is Character

The Golden Fish has as its central character, that's right, you guessed it, a golden fish!

Notices

FLYING CLUB MEETING

The Caltech Flying Club will meet on Wednesday, October 16, in Winnett Clubroom No. 1. Business meeting starts at 7:30 p.m. Informal meeting with general aviation film "Bonanza West" and refreshments begins at 8:30 p.m. Visitors are welcome.

RADIO CLUB

Organizational meeting Monday, Oct. 14, Clubroom 1, 8 p.m. Something for anyone interested in amateur radio. A license is not needed to join club.

WRESTLERS!

Meeting for all prospective wrestlers, Monday, Oct. 14th at 4:15 p.m. This meeting will be held in the gym.

SDS

The Caltech SDS will hold an organizational meeting on Tuesday, Oct. 15 at 9 p.m. in clubroom two. All interested parties are invited to attend. For more information contact Paul Studenski, 244 Ru.

THAT'S ALL, FOLKS!

Due to circumstances beyond our control, the results of the freshman survey, promised for this week, will not be published.

The Editante

Y-SPONSORED BASIC ENCOUNTER

The first basic encounter conference of the year will be held October 25-27, Friday evening to Sunday noon, at Brea Canyon near Pomona. Cost \$16—some financial aid available. For more information see the Y. Sign up by October 15.

FELLOWSHIPS DISCUSSED

Dean Bohnenblust will discuss the possibilities of fellowships, both in the U.S. and abroad, at 12:30 p.m. tomorrow in 22 Gates. Topics will include how and when to apply.

Y.R.'s MEET TONIGHT

The first meeting of the Caltech Young Republicans will be held tonight, October 10, in Winnett Clubroom No. 1, at 8:30 p.m. All are invited.

A.R.S. MEETING SUNDAY

The first meeting of the Caltech Ayn Rand Society will be held this Sunday, October 13, at 2:00 p.m. in Winnett Clubroom No. 2. Anyone interested in Objectivism, Miss Rand's philosophy, is invited to attend.

LARGE RALLY FOR FOR SOVIET JEWRY

will be held Sunday to protest anti-Semitism in Russia. Come to Fairfax High School's field, 7850 Melrose Ave. (at Fairfax), Los Angeles, between 2-4 p.m. Drivers are needed. Contact Roger Goodman, 48 Blacker House, ext. 2170 or 449-9910, for information.

ALPINE CLUB MEETING

8:30 p.m., Thursday, Oct. 10, Winnett Clubroom 1. Dave Rossum will be there with slides of his heroic exploits on the sinister Lost Arrow Spire in Yosemite Valley. Who knows? The club might even get organized this year.

GET YOUR BIG T

Upperclassmen: The 1968 Big T is here. Get your copy now at 106 Ruddock.

GRAFT & CORRUPTION

The California Tech circulation staff needs a circulation staff, and to lure members, offers opportunities for graft and corruption (MONEY!!!). If you have a car, we need you badly—you get a mileage allowance plus a Special A parking sticker. Anyone interested in such things as money, please drop by the Tech office anytime Thursday afternoon, or see Bob Abarbanel in Fleming.

DuBridge on Campus

This is the text of remarks by President Lee A. DuBridge at the New Student Camp of the California Institute of Technology on September 26, 1968.

What is a university?

It sounds like a simple question—yet no two people are likely to give you the same answer.

Some will describe a university by saying how big it is—how many students, faculty members, buildings; how big a budget, how much endowment.

Some will describe it in terms of whether it is state or private.

Others will speak of undergraduate programs, courses of study, requirements for degrees. Others will be concerned with fraternities, sororities, social life, athletics.

Some will recall that a certain university has a famous faculty, that they carry on research, win Nobel prizes, make new discoveries, spend a lot of money and travel a lot to Washington.

Today some people will simply say a university is a place where a lot of hippies behave very badly, start fires and riots, and use obscene language.

Complex Thing

Well—a university is a complex thing. No two are alike. Some are large, some small; some are public, some private; some are rich, some poor; some have smart, well-behaved students, others have students who behave badly. And so on.

Basically a university—as distinguished from a separate college—is an organized institution for the advancement and diffusion of knowledge.

A college is an institution offering only undergraduate instruction in certain specified fields. A university is a center for graduate instruction and research, offering also opportunities for undergraduates to participate in the learning process.

It is sad to note that many students elect to go to a university—expecting it to be just a college; many others go to a college and are disappointed to find it is not a university.

Caltech University

Caltech is a university. It is a small one; it does not carry on all the fields of study found in a large university. But it is—by character—"a college, a graduate school, and an institute of research"—and those words add up to a university.

Now I said a university is organized for its purpose of advancing the cause of learning. So it is—and it is important to under-

stand that organization. There are those who today are trying to destroy certain university organizations. Some say the learning process does not need such an organization—that people can learn together by sitting on the lawn, on the sidewalk, in a bar, or in private homes. Quite true. The learning process goes on even in front of a TV set. But to be effective and efficient the learning process should be organized and purposeful. So even a college has to be organized.

(Continued next week)

Dr. Clauser

(Continued from page 1)

while pursuing his Ph.D. at Caltech, and in 1928 Lindvall joined the General Electric Co. as an engineer. In 1930 he returned to Caltech as instructor in electrical engineering, and in 1931 became assistant professor. He was made associate professor in 1937, professor in 1942 and division chairman in 1945.

Lindvall's honors include the Naval Ordnance Development Award, 1944; a Presidential Citation for Merit, 1946; the Lamme Medal of the American Society for Engineering Education, 1966, and an honorary membership in the ASEE in 1967.

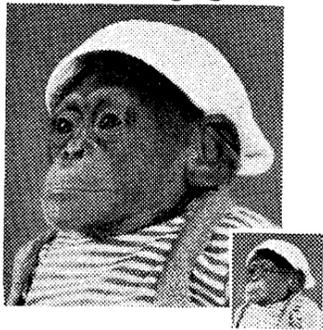
He has travelled widely, visiting such countries as Pakistan, India, Italy, France, Denmark, Ghana, Nigeria, Switzerland, England, Ireland, and Argentina. Lindvall is also active in the Pasadena Symphony Association and the Pasadena Hospital Association, Ltd.

Lindvall's main research interests have been in the areas of vacuum switching, glow discharge phenomena, railway equipment, vibration and dynamics and research management. He has published in the above fields, but especially in relation to engineering education. He is also a registered professional engineer in California.

Lindvall is a member of the National Academy of Engineering, the National Research Council, the Department of the Navy advisory board for the Naval Weapons Center; is a fellow of the American Society of Mechanical Engineers, and a fellow of the American Institute of Electrical and Electronics Engineers.

Lindvall married the former Janet Smith of Dowagiac, Mich., in 1928. They have a daughter, Martha, and two sons, Eric and John.

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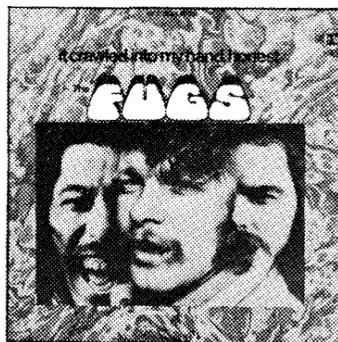
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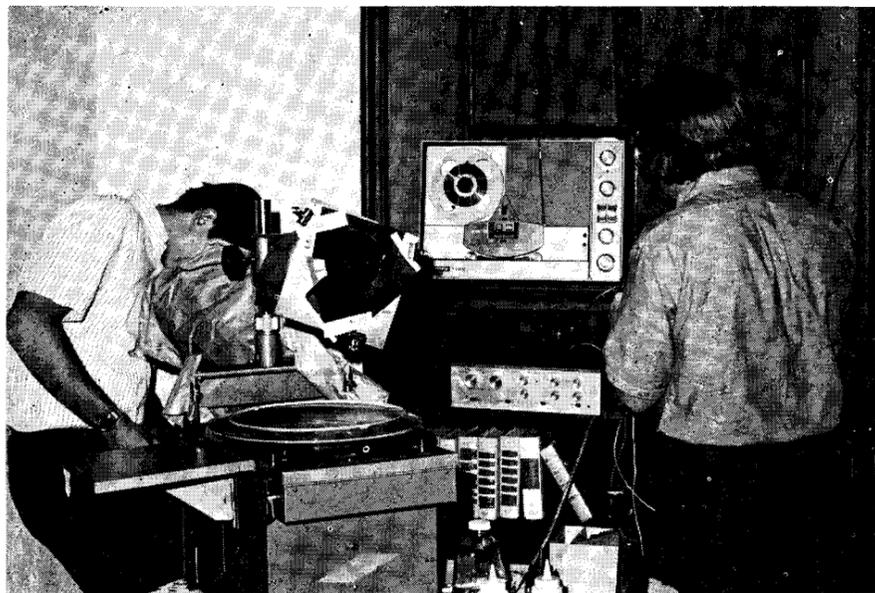


photo by Dash

"What do your sensors show, Mr. Spock?" Faces are hidden to protect the guilty, in this "behind the screens" shot of Jim Henry's light show at the Coffeehouse.



photo by Dash

Teckers and friends enjoy the homey atmosphere of the Coffeehouse and its entertainment. Note slightly mesmerized girl in center. For an explanation of this strange malady, see left photo.

Coffeehouse Cools Opening

by Flip

Famished, over-snaked Techers have re-established their own meeting place where linear spaces are transformed into good food and a social atmosphere; in other words, the ASCIT Coffeehouse at 1101 E. San Pasqual had its gala 1968-1969 opening last Saturday night.

Attendance at the first night's festivities was nearly at record level with about fifty people there at peak hours. Like a Volkswagen, the Coffeehouse managed to retain its basic format while improving on details.

Upperclassmen Techers generally felt right at home, but at the same time all of them noticed the new vitality evident in the C-house's adornments and activities. This year such promotional gimmicks as light shows and marshmallow in hot chocolate didn't smack of some desperate attempt to save the establishment from bankruptcy as they did last year. Rather, a vibrant new tone emerged.

Most improved item was the food. Although the entire menu was not yet available, opening night's kitchen had nearly double the stock of last year's. And the pies were fresh! Prices this year are once again ridiculously low for most items, especially for mug owners, who get extra large portions of liquid orders. All present opening night were visibly pleased with both the quality and the price of the edibles.

This year's light show was more digestible than last year's; it was inside, out of the cold, and it was more professionally directed. Still, it was much too civilized and repetitive to have much effect. Background music was flawless.

One of the most interesting new twists in the Coffeehouse was the mug display. Many of the people there Saturday night spent a good deal of time studying the names on the mugs. Surprisingly, a lot of faculty members' names were on mugs, although there weren't many coffee stains inside those particular mugs.

Motif of the Coffeehouse this year was quite disappointing. Practically all of last year's wall decorations were there, and few

new things were hung beside them. The medieval monk's cloak was repositioned over the fireplace for a much-improved effect. The rustic table tops from last year have been desecrated with a contact paper covering (due to Board of Health rules, it is rumored). To finish things up, the Coffeehouse seems to be the resting place of a psychedelic Bohemian green turtle family these days.

Even with all these subtle improvements, most people asked thought the Coffeehouse would still be just a Coffeehouse again, were it not for the tremendous increase in attendance. (There were girls, even!) This year, 1101 E. San Pasqual should be called the Caltech Coffeehome.

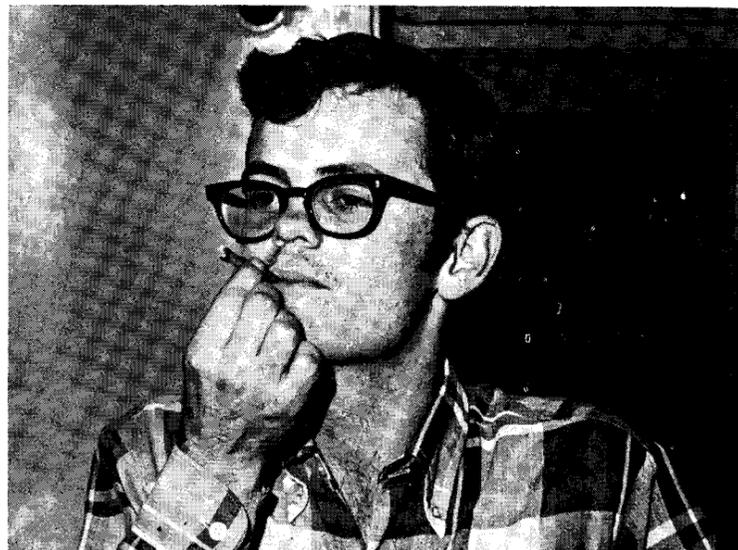


photo by Dash

Ecstatic Coffeehouse Manager Schroeder demonstrates the psychedelic joys derived from smoking a delicious Coffeehouse cinnamon stick. Only 5 cents (+ light).

California Tech

Published weekly during the school year except during holidays and exams by the Associated Students of the California Institute of Technology. The opinions contained herein are solely those of the newspaper staff.

Editors: Dave Lewin, Alan Stein, Jim Cooper, Editors - in - Chief; Craig Sarazin, Managing; Ira Moskatel, Copy; Dave Dixon, Sports.

Staff: Roger Goodman, Tom Carroll, Charles Creasy, Steven Johnson, Mark Boule, Kevin Savage, Joanie Weber, Jim Blasi, James Wei, David Linker, Jim Stone, Bob Dullien, Greg Brock, Larry Westerman, Bob Nnstein, Craig Sarazin, Mike Farber, Paul Levin, Bob Geller, Carroll Boswell; Berto Kaufman, Froshmore-at-Large.

Photographers: Stephen Dashiell, John Bean.

Business: Jeff Hecht, Manager; Bob Abarbanel, Circulation Manager.

California Tech, Publication Offices: 1201 E. California Blvd., Pasadena, California, 91109. Second-class postage paid at Pasadena, California. Represented nationally by National Educational Advertising Services, Inc. Subscriptions: \$1.50 per term, \$4.00 per year. Life subscription: \$100.00. Printed by Bickley Printing Co., 25 South Fair Oaks Ave., Pasadena, Calif. Volume LXX, Number 3, Thursday, October 10, 1968.



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Convention Report -- Part 2

as told to Dave Lewin
by Daniel McMahon

In front of the Conrad Hilton were large numbers of police, possibly 800 to 1000, again, all in groups of 50. People assembled at a distance from the police, chanting a large number of different slogans, "Peace Now!", "No More War!", "End Racism!". It was generally a picnic atmosphere in the crowd, although it was really a serious matter. People shouted "Join us, join us!" at people in the hotels. They shouted to the police. A hippie climbed a flagpole, or a street-lamp, having mounted on it a welcome to Chicago sign, and replaced it with a "welcome to Prague" sign. There were large amounts of applause and amusement. Occasionally you heard people in the crowd yelling to policemen, "Pigs! Pigs! Oink, Oink!". This is the only provocation directed at the policemen I myself heard. It doesn't exclude the possibility that there was some in another part of the crowd. All of a sudden the police charged the crowd. I'm not quite sure what the case was; I saw nothing which provoked this.

People in the fronts of the crowd would become terrified, running into the people behind them, starting to trip over one another. They started to fall; the policemen raised their clubs above their heads, and they charged in groups of roughly fifty officers. They would charge at a section of the crowd and the crowd would panic. The policemen would hit them with their clubs, and the demonstrators would start to fall into the streets. In one case I saw, a person had fallen into the street and was surrounded by police who started to kick him before they arrested him.

Traffic Control

The crowd kept sweeping back towards the policemen, though never rushing them. It was more symbolic than anything else — they would come to within ten or fifteen feet and then stop. It happened several times — the police sweeping into the crowd and the people panicking, running and then moving back toward where the policemen now were. Almost every time, people got beaten, sometimes very badly. Then the police began to sweep into the crowd driving people off the street constantly. At this time, I went up a side street and came down towards Michigan Avenue where this was mainly occurring. I saw a little black boy, who was somewhere be-

tween 10 and 15, lying on the street. Next to him were two women — one of them probably his mother. She was screaming at the police, who were in a line across the sidewalk, "Why did you do it? Why did you do it?" and they just screamed back, "Shut up! Shut up!". Then one of them said, "Okay, everybody off the street." She yelled at them, "Can't we let him lie here a little longer?". They said, "Him too, him too, get him out of here." Then they started to raise their nightsticks and started to walk very fast, at which time the crowd started to run in all directions. A lady who was just walking down the street had stopped for the light; the police swept up to her and one of them jabbed her in the back with his stick. He said, "get moving." She screamed at him, "I am Moving!". He jabbed her again harder and said "Move faster." At this point she turned around and screamed at him, right in the face, "You animals!", and then just walked away. Nothing else happened. This continued for two or three hours.

I went to get a cup of coffee and talked with three policemen in the restaurant. They seemed to be very confused about the whole situation — mixed up, sad and mad.

Vicious Commies

According to one officer, police intelligence had said that the demonstration had been organized to burn downtown Chicago. This is somewhat amusing in light of the fact that not a single window was broken, nor was there a single instance of any sort of destruction on the

part of the demonstrators. When police started charging the demonstrations, maybe one or two or even three percent of the demonstrators started picking up things, mainly from wastebaskets which were all over downtown Chicago. They started to throw them at the police. This included beer cans, and anything else they could find. Some people threw rocks. Most people in the demonstration didn't want any trouble and were taking it passively, and I succeeded in stopping a demonstrator from throwing a rock.

I saw two instances where policemen were alone in the crowd. In one case, a policeman was in a squad car which was being rocked. There were about a thousand people. He jumped out of the car and started to chase the crowd, hitting one particular person over the head again and again. He got about a hundred feet into the crowd when, all of a sudden, the people he was chasing realized that he was alone. They turned around and jumped at him and they forced him to the ground. By the time they had him on the ground, the people surrounding this group started to drag them off the policeman. The policeman got free and got away. After all this, people assembled in Grant Park, and police, once again, allowed people to assemble. A large number of people spoke or sang including Norman Mailer, Phil Ochs, and Peter, Paul, and Mary. John Gailbraith came and said "You are the most moral people in the United States tonight." Allard Lowenstein, the person who started McCarthy on his way, came. Eventually a large number of delegates and alternates, workers at the convention came, by torch and candlelight. The people in the

demonstration sang "We Shall Overcome," and for quite a while, people chanted, "Blink your lights, blink your lights!" at the hotels which were across the street. Lights started blinking on and off.

Just a Few Friends

The next day, Dick Gregory who lives in what was my neighborhood of Chicago, Hyde Park, came, joked around, invited everybody. There had been two attempts, previously, by delegates, to march to the Amphitheater to show their displeasure over the Viet-Nam plank. Dick Gregory decided he wanted to lead a third attempt, only he rationalized it in terms of all coming to visit him at his house to talk about the convention. On the way, people might pass by the Amphitheater. Approximately 3000 people marched. After they got about eight or ten blocks, they were stopped by a

(Continued on page 7)

Movie Review

(Continued from page 2)

The action involves the conversations the summer after the year before, and the memories of same. The only catch is that the memories seem to be those of the camera and not of the characters. The whole film seems to be the recorded record of the thoughts of some character not in the film, but still involved in the action.

Edifice

The end result is that the movie is an experience rather than a story. Director Alain Resnais uses the characters and the props as bricks to make the final edifice, rather than as separate actors, and incorporates implications of man's inability to communicate, and God. The only possible criticism which can be leveled is the 93 minute length. A half hour cut would not diminished the value at all.

The seating in Culbertson was good, that is, visibility was good from all seats. Free coffee and root beer were served at intermission.

Summary: if you enjoy good art movies, Cinematech is a safe bet. The next show has as its feature Bernardo Bertolucci's **Before The Revolution** on Saturday, October 19.

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TECH Sports

Booters Beat Rio Hondo As Burton Scores Two

The Caltech varsity soccer team won its season opener Saturday night against Rio Hondo, in a non-league clash. The final score of 2-1 was not indicative of the decisiveness of the victory. In fact, the only Rio Hondo goal was scored entirely by accident off the foot of a Caltech defender. Caltech had much better teamwork, and Rio Hondo was forced to the defensive much of the game.

Caltech's offense was led by Richard Burton, who scored both goals. He was very ably assisted at various times by veterans Jerry Eisman and Steve Hadler, and new players Dennis Noe, Andy Chow, Andy Lo, and Emilio Sovero.

Most important to the defense was the goalie, Joe Templeton, who made twelve saves of shots that would otherwise have been goals for Rio Hondo. Veteran Jon Hall played well at his new position of center back, clearing the ball to his forwards.

The main difference of the game was the fact that Rio Hondo seemed to rely on individual effort and brute strength kicks, while Caltech used speed and teamwork to win.

This Saturday is the home opener against Pomona, at 10:00 a.m., at Tournament park. The next game after that is October 19 at Claremont-Mudd. It is hoped that many of you will come out to the games to cheer the team on to more victories.

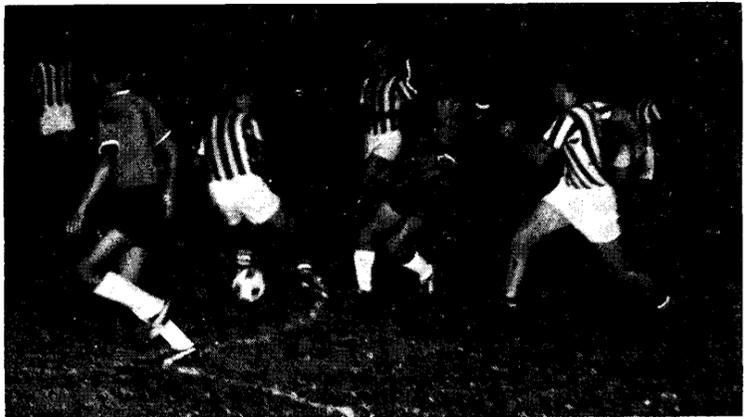


photo by link

Twitchy Rio Hondo soccer socker lets Caltech between his legs!?!?

Harriers Down Pasadena

The Caltech Cross Country team mdowned Pasadena College 16-43, as Lane Mason led a near shutout on a flat, grassy course in Victory Park. Mason won easily, in 21:10, with Tardiff second (21:50), with Simth (22:10) overtaking Higgins in the final quarter-mile to take third by only a second. Pasadena's Brock took fifth and Hermeyer completed the Caltech scoring with sixth. A new addition to the team, junior Paul Johnson ran a respectable 26:52, on his second day out to be Tech's sixth finisher.

The Caltech cross country team, led by Lane Mason, could not overcome the strength and depth of Whittier, losing 22-35. Mason finished second in 23.03, behind Whittier's Cove, who won in 22:45. Whittier took the next three places, with Tim Tardiff, Martin Smith, and Ratchford Higgins taking sixth, seventh, and eighth, respectively. Other runners for Tech are Dave Hermeyer, Larry Gagliani, Mike Hutchinson and Bob Kramarz.

The meet, opening the new season, also inaugurated Caltech's use of the difficult, four-mile course in the northern part of Brookside Park, also used by P.C.C.

Friday, Caltech's harriers take on Claremont-Harvey Mudd at Mount San Antonio College.

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Loyola Manhandles Loyola

The Loyola Lions handed the Caltech Beavers their first gridiron loss of 1968 (and their 31st in a row) last Saturday night at Westchester High School. The score was 48-14.

Caltech coach Tom Gutman attributed the loss to several factors: (1) The Beavers underestimated Loyola's strength, especially on defense. (2) The team was so emotionally "up" for the game that they deluded themselves into thinking that their emotions would do it all. (3) Mistakes were the really hurting factor, however. Many of them, could be attributed to first-game jitters. A few others were the result of inexperience. The rest were most likely due to the team's not having jelled into an effective unit in real game situations.

Loyola mastery over the Beavers was clear from the very start. The Lions took the opening kickoff and drove some seventy-five yards — all on the ground — for their first of seven touchdowns. Lion domination continued throughout the first half as

the Beavers could muster but two first downs. The teams went into the locker rooms at half-time with Tech trailing 28-0.

In the second half Loyola widened her lead to 48-0 before CIT finally scored with about nine minutes remaining in the contest. The scoring play was a two-yard run by senior quarterback Tom Burton. Burton also added the extra point. Later with about three minutes remaining Burton hit freshman Gary Stormo (this year's candidate for Super frosh) with a 41-yard

scoring strike. Burton added the point after, and the final score stood 38-14.

This weekend the Beavers play host to Azusa Pacific College in the former's home opener at the Caltech Football Field. Last year Azusa whipped Tech 26-0, but through three games so far this season Azusa is 0-3. Interesting enough, the last game Caltech won was against Azusa Pacific. Th e score was 8-6 in the opening game of 1964. Kickoff for this Saturday's contest is 2:00 p.m.

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Fish Wormy Prof Power

Country Joe and The Fish performed last Friday night at The Bank. Unfortunately, this is about all that can be said in a favorable manner. It seemed that The Fish simply did not care what quality of performance they delivered and Country Joe seemed to be singularly unimpressed by the idea of giving a concert. To be completely honest, The Fish were surpassed by the second band, The A B Sky Blue Band.

Most of the songs were from the first album, including Not So Sweet Martha Lorraine, Death Sound Blues, Section 43, Superbird, Bass Strongs, The Masked Marauder, and Flying High. One notable exception was I Feel Like I'm Fix'in To Die Rag with a slightly different cheer than the one which appeared on the second album. The audience was extremely enthusiastic; however, this was probably due to the reputation of The Fish combined with the undeniable quali-

(Continued from page 5)
line of National Guard jeeps with barbed wire behind them. Behind them was an armored personnel carrier and behind that, mobs of policemen and national guardsmen. People streamed into the street which ran parallel to the line of jeeps and wire. When a fair crowd had built up, the Guards fired tear gas behind them, and sprayed the front of the crowd with what seemed to be MACE, driving the whole crowd into the tear gas.

People were quite upset. They went back to Grant Park and

ty of Country Joe's song writing. Unfortunately the group began with an excellent first album, proceeded to an adequate second album and finally to a rather poor third. The albums are indicative of the quality of the group. It seems that Country Joe and The Fish have experienced their Golden Age and are now proceeding to the death of the empire.

as they went back, I saw someone get his across the eyes with a rifle butt, by a National Guardsman (I don't know for what reason). He was screaming, "I'm Blind! I'm Blind!" and just went out of control. He tried to run to where the National Guard were to get one of them. A number of us grabbed him, held him, and carried him over to a park bench, where we tried to find him help. I myself went to an officer behind the lines, and I asked if he'd let a medic treat him. The guy just turned away.

The people were just milling around in Grant Park, and the National Guard laid down a saturation barrage of tear gas. The people panicked once again. The guard seemed to give a special blast to one of the TV trucks. People then reassembled. They were beginning to get hostile after being gassed several times. Then Peter, Paul, and Mary started to sing through a megaphone and a group of people gathered around them singing. There were 5000 to 8000 peo-

ple in the park and maybe 500 or 600 people had gathered around them and started to sing. A group of policemen broke into the crowd quite close to Peter, Paul, and Mary. They headed straight for them to try to get the mike or arrest them. They didn't succeed because the crowd surrounded them and started screaming. No one threw anything or tried to hit any of the police. The police withdrew behind the National Guard lines. From my view point, this was the best thing that could have happened, because the 500 people grew into 1000, and eventually the whole park was sitting around singing songs. Then the National Guardsmen, still wearing gas masks, started to move the jeeps with barbed wire up towards the crowd. You could hear troops double timing down the street behind them, and the situation got very tense. You could look around and see looks of terror on people's faces. Most people were sitting down and singing at this time. Peter kept saying, "Don't worry, they won't

get through the music barrier," and people started singing, "WE SHALL OVERCOME." The verse that says, "We shall overcome . . .," was repeated with, "I shall overcome . . ."

Peace T-Group?

All of a sudden there was a look of complete bliss that started spreading through the crowd; just accepting the state of events, and not being worried about it. These are things I read into it from my personal reaction. The things I could see were the smiles and looks of complacency. They started to grab one another's hands as they sang and hold them up into the air. Nothing happened. The grass was quite full of tear gas and it was painful to sit anywhere. That night, delegates would come in their suits and sit down in the dark, and people would say, "Thank you for coming." People would cry and say "thank you." Luckily, that was it. That night, aside from a few gassings, there was no violence at all.

The first night, for me, (Wed.) the composition of the demonstrating groups was about 20% Yuppies or Hippies and about 80% people who dressed and looked as you would expect to see on any street. Some were wearing suits. Most were just dressed casually. The next night, the percentage of hippies had dropped to about 10%. The crowd looked like a cross-section from just about any college. Most appeared about 18 but they trailed off into some very old people.

Folk You!

by Lewin

The Fugs have done it again with their new disc **It Crawled Into My Hand, Honest**. This latest excretion of their fertile brains is the wildest collection of miscellaneous trash they've yet let loose on the unsuspecting public. From a group known for musical experimentation, this ranges farther afield than either of their previous albums. Ranging from Country-and-Western to neo-operatic, from Gregorian chant to atonal modern, the Fugs deliver their comments on violence, sex, drugs, and more sex. Overall, the vocal and instrumental arrangements were excellent — the persons doing the vocals had quite a bit of singing talent, as did the musicians.

The best song on the album is the first, "Crystal Liason", though it is unfortunately rather hard to make out the words. I gather it's a song about one of the habit-forming drugs, probably speed. The use of trumpets is fantastic! "Ramses II" is a strange song about Egyptian mythology sung in a Country-and-Middle Eastern style. "Burial Waltz" is a close second to "Crystal Liason," tied with "Johnny Pissoff Meets the Red Angel." The "Waltz" is rather soothing, musically, but the idea sets my teeth on edge . . . though I like it, basically.

Gross Grass

The perverted violence of the bigot is aptly described in "Johnny Pissoff," a masterpiece of pseudo-Country music. I detected the influence of Arthur C. Clarke in "Marijuana" — a recital of the many names of grass (nowhere near forty billion). Most of the rest of the bands were short (three to forty-six seconds), but fairly good. "Grove Need" is a classic example of f**k rock; you fill in the blanks.

Warner Bros. — Reprise has done a good job of packaging, and I congratulate them on coming up with a good, dirty record for our enjoyment.

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