

"If Caltech didn't exist..."

THE CALIFORNIA TECH

"... Someone would have to invent it"

VOLUME XC NUMBER 1

PASADENA, CALIFORNIA

FRIDAY 23 SEPT 1988

Welcome to Tech Frosh!!

Langdale heads UG admissions

by Eric Fung

Autumn brings thoughts of falling leaves, the World Series, football, and Halloween. Then there is also school, and so your journey at Caltech begins, freshmen and transfer students. Welcome to Caltech, the science and engineering school.

Undoubtedly, facing a new lifestyle, a new environment can be a bit daunting. Not to mention the imminence of The Big One. Put your fears to rest; the Caltech community is a close-knit one, and offers much guidance and support.

You come to Caltech at a particularly exciting time, since it is undergoing a number of changes. Dr. Thomas Everhart was inaugurated as President just last April. While your academic life will be guided by the new dean, Chris Brennen, your social life will be very much influenced by a new MOSH, and the AMOSH, Marda Collett. Meanwhile, the Caltech Y will be headed by newly arrived Paul Gibson. Lastly, five of the seven houses will be under the guidance of new RAs.

How to approach all this newness in your life? The best way to start is New Student Orientation at beautiful Camp Fox on Catalina Island, which is really just a three day beach party. Hopefully you won't be partied out, because you come back for a week of nightly parties, under the guise of Rotation. Use these opportunities to meet students and to learn about Caltech—its myths and realities.

Caltech is more than science and engineering; it will be your life for the next few years, and it will shape you for the rest of your life. Utilizing all its resources, both academic and social, you will experience Caltech to its fullest.

ASCIT honors top instructors

[CNB] Six members of the Caltech faculty have received awards for teaching excellence from the Associated Students of the California Institute of Technology (ASCIT). Selections were made by the educational policies committee of ASCIT on the basis of student evaluation of courses taught during the academic year. The awards may be presented for a single course or for a series of courses. The professors are evaluated on clarity, enthusiasm, command of the subject, rapport with the class, and interest in the students as individuals.

Commenting on the awards, Caltech provost and vice president Barclay Kamb said, "When it comes to evaluating their teachers, Caltech students are undoubtedly among the most critical and outspoken in the country. The ASCIT award for outstanding teaching is a great tribute to the teaching skills of these faculty members."

The six faculty members honored by ASCIT are:

by Josh Kurutz

Void no more! Daniel Langdale has come from the East to fill the long-empty position of Director of Admissions. It is hoped that Langdale will revitalize an admissions process that found itself lacking a leader when Stirling Huntley left about one year ago.

The new director recently arrived from MIT, where he spent 11 of the last 22 years as the Associate Director of Admissions. His experiences at that position led him to develop many views and strategies regarding the philosophy and business of college recruiting. At the core of this approach was a reporter's attitude.

The prospective students should be, "reported to about the student body, the faculty, the climate, Los Angeles, etc. In some healthy, natural way, the right kids will apply," Langdale said. "Caltech neither needs nor ought to massage or buff up the truth." He felt that if he tried this, potential students would detect facts being twisted and be turned away.

"Recruitment" is a word he generally tried to avoid. "My view of admissions leads me to the well-formed conclusion that 'recruitment' is not in the lexicon of Major League places like Caltech."

Women and Underrepresented Minorities

There were some instances in which that word was more appropriate. Women and underrepresented minorities are classes of people Langdale believed Caltech should actively recruit. His overall strategy involves developing an idea of the best possible set of undergraduates, then intensively seeking out the students lacking in number and reporting about the Institute for them.

Langdale plans to meet with faculty to arrive at their notion of

an ideal student body. He anticipates that the faculty would want a Caltech community that represented the population at large. He also plans to get to know the students and construct a rough diagram of the current student body. His goal is to plan how to bridge the gap between the present and the future ideal.

Two of the most glaring differences between Caltech's current undergraduate makeup and its generally desired situation are the numbers of women and minorities enrolled. Langdale examined these problems separately.

"One of the ways we're mangled is the number of women in the fields Caltech prepares people for is small," he said. One method he will use to try to solve this problem is going to young women and endorsing the proposition of moving into science and engineering. Once this idea is planted, he will encourage them to seek Caltech as a bridge between high school and professional life.

According to Langdale, underrepresented minorities are found in a different situation. "Women generally come from the same homes as the men but don't necessarily want to cross the bridge (to these careers). Minorities might not know the bridge is there." The emphasis here will be to seek out minority students who are looking for a place like Caltech and then inform them about it.

In both cases, the same methods would be used. Personal communication, phone calls, and travel are techniques that Langdale would like to see used more. He is also open to suggestions: "I have every intention of pursuing different approaches," he said.

Langdale saw the need for more women and minorities not as one of exposing students to a wide range of views and ideas. "In a sophisticated community of thinkers like this, it isn't just measuring up to someone else's standards. I believe that such pluralism engenders creativity; it introduces different views of the way the world works that you get from different cultures and regions."

MIT experience

Langdale himself is from a different region and it is hoped that this will help bring success to the Admissions Office. His experiences at MIT make him partic-

— Bruce Cain, professor of political science, for the courses "Interest Groups in American Politics"; "American Electoral Behavior and Party Strategy"; and "Democratic Theory"

— Paul Patterson, professor of biology, for the course "Neurochemistry"

— Charles Peck, professor of physics, for the course "Topics in Classical Physics"

— Thayer Scudder, professor of anthropology, for the courses "Introduction to the Anthropology of Development"; "The Anthropology of Rapid Social Change"; and "The Evolution and Current Status of Small-Scale Human Societies"

— Charles Seitz, professor of computer science, for the course "VLSI Design Laboratory"

— Kerry Vahala, assistant professor of applied physics, for the course "Quantum Physics of Matter"

Photos on Page 2

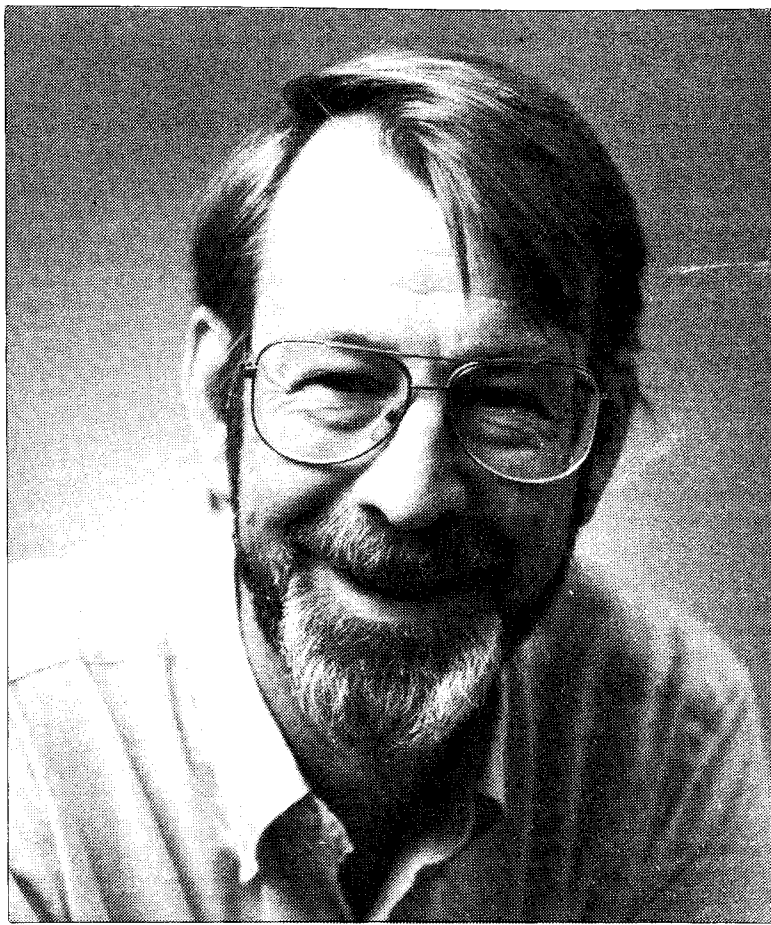


photo courtesy of Public Relations

Daniel Langdale has come to Caltech to head undergraduate admissions. Langdale previously served as associate director of admissions at MIT.

ularly well suited for his position at Caltech. So far, the principal difference he has seen between the schools is "sunshine and slush," the opposition in the climates.

"A slug of MIT students are like Caltech students," he said. Noting that the eastern school was about 5 times the size of the western, he said that it was possible that Caltech might be representative of the top 1/5 of their counterparts at MIT. He also said he did not know whether or not Techers were a microcosm of the whole spectrum of MIT students.

This sort of uncertainty about the Caltech student body has motivated Langdale to meet more Techers and get a better idea of who they are and what they are like. He will be attending Frosh Camp and will be spending his first few weeks here getting to know the students in other ways.

Langdale said that he could send the best message to prospective students if he were closer to the current undergraduates. "You're an integrated part of the community, not just a mouthpiece." He believes this will help him in his position, which he thought was, "to do the best possible job of interpreting a prestigious university like Caltech to a bunch of high school students."

Why he came

Getting involved with the students here was one of the reasons Langdale decided to work here. "It

gave me the opportunity to engage the kind of students that Caltech has." He thinks of Techers as, "potentially powerful people who know a lot."

The new Director admires Caltech and its students very much. "I stand by and applaud a lot," he said. The existence of Caltech as an "Olympic-level university" is important to Langdale. "If Caltech didn't exist, someone would have to invent it."

The students provided a significant reason for Langden to come to Caltech, but the principal reason he took the job was the position of Director. "It was the opportunity to take on more responsibility for an operation," he said.

Another motivation for moving to Caltech was Los Angeles. "I'm not crazy about shoveling snow," he said. Both the climate and the culture of LA were important to him in his choice. "LA is an exciting city," he said. He cited a popular news magazine's quote that "LA is the city of the 21st century."

His philosophy

Langdale seems to be a man who thinks a lot about the future. This might not be surprising given the nature of his work. This mode of thinking may explain why much of what he does a good deal of philosophizing.

One of his tenets is that he should not be the one to decide

continued on page 2

Students in leadership

by Andrew Hsu

"Caltech students lack leadership abilities...Caltech graduates make good workers but poor managers...Caltech students aren't very sociable..."

How many times have you heard statements such as those? Whether or not these generalizations about Caltech are valid, the United States certainly requires better and more effective leaders in order to compete in the increasingly competitive foreign market.

Although the Caltech curriculum does not offer any formal classes on leadership and vocal communication skills (although

E10 comes close as a presentation skills class), the Ametek corporation, the Caltech Industrial Relations Center, the Caltech Y, the Deans, and various professors such as Fred Shair and Gary Lorden realize the importance of leadership training and have tried to create activities and programs to fill this void in the curriculum.

One such activity that has arisen out of much discussion among the people mentioned above is the Ametek Leadership Institute. Now in its second year, the leadership institute consists of three full days of lectures, discussions and demonstrations. These seminars are held

just a week before the first day of classes and last from the morning to the evening including breakfast, lunch, and dinner.

It is quite an intensive program and is similar to the management seminars that are used extensively by executives in industry. All of the instructors are certified professionals in the field of executive and personal management.

The eighteen students that attended, spent three days learning about the finer points of communicating ideas to groups of people and managing groups of people towards more productivity.

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The California Tech

EDITORS—Eric Fung • Stephen Lew • Chandra Tucker

ENTERTAINMENT
Andrew Hsu

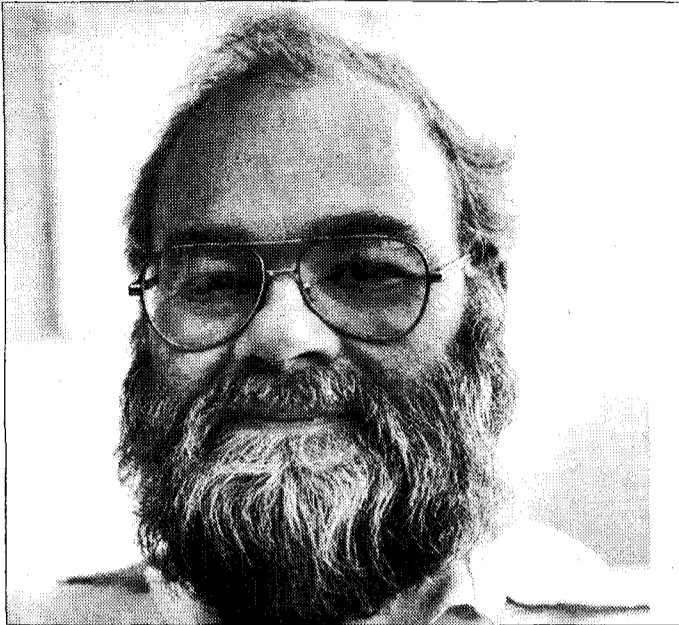
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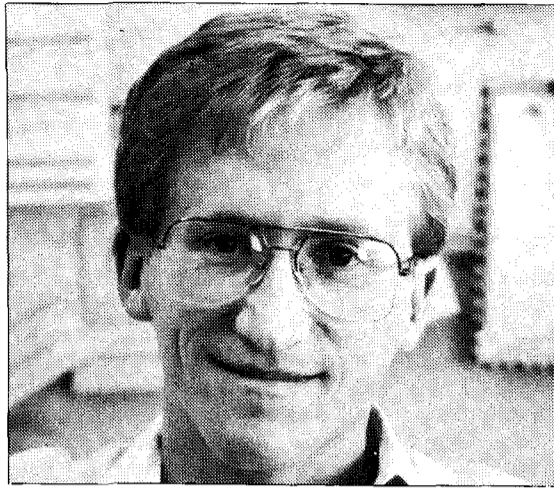
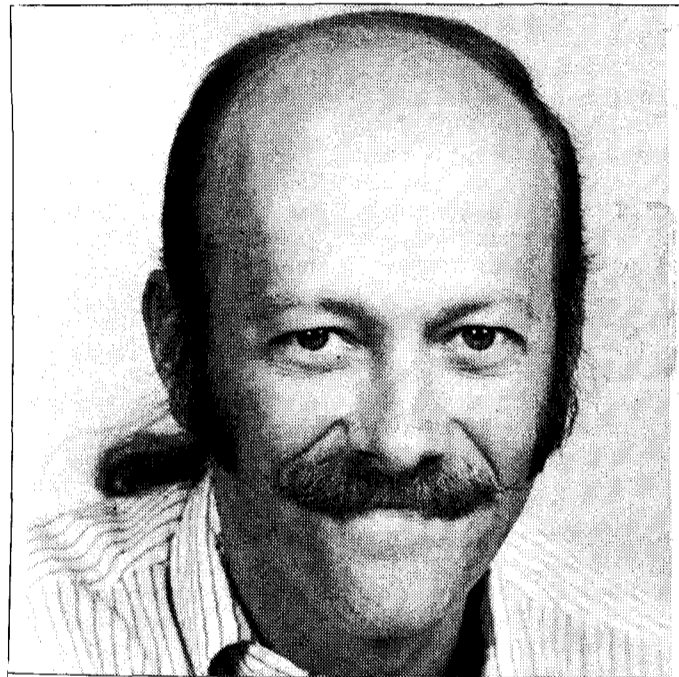
ANNOUNCEMENTS
Eric Fung

Excellence in teaching

photos courtesy of Public Relations



Charles Peck, physics, above Paul Patterson, biology, below



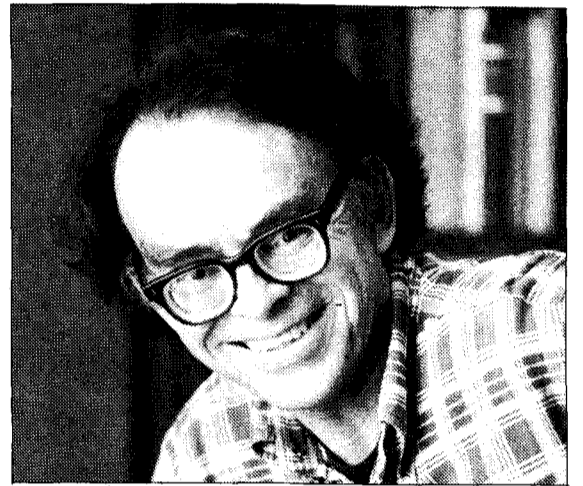
Kerry Vahala, applied physics



Bruce Cain, political science



Charles Seitz, computer science



Thayer Scudder, anthropology

Admissions director, cont'd

from page 1

what admissions goals will be. "An old-fashioned university, one that searches for truth and knowledge for its own sake, should be run by the faculty."

There are four universities to consider in the admissions process, according to Langdale. They are what the students want, what they expect, what they get, and what they should get. The best situation

is achieved when all four are identical.

When talking to prospective students, he will try to make students wonder about what they want. He wants them to consider challenging themselves at Caltech and reaping the rewards that the challenge will hold. Ideally, he would like to see them want what they will get.

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First Term Schedule

Sept. 30 *Night Shift*
Oct. 7 *Roxanne*
Oct. 14 *City Heat*
Oct. 21 *The Producers*
Oct. 28 *The Creature from the Black Lagoon (3-D)*
Nov. 4 *Sleeping Beauty*
Nov. 11 *The Bridge Over the River Kwai*
Nov. 18 *Fright Night*
Nov. 25 no movie
Dec. 2 *Lethal Weapon*

BAXTER LECTURE HALL

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Trivia

by Jim Brown

Well, this was supposed to be my big debut writing for the entertainment section of this most prestigious newspaper. Unfortunately, the cruel and heartless editors ran out of space so I guess everyone will have to wait until next week for that spashy debut. Oh well, realizing that you are all going to be bored on the ride to frosh camp, I've decided to test your knowledge of the finer points of music history with this little music trivia test on the right.

Stayed tuned next week for the first of a weekly series of articles on the L.A. music scene. And if you are interested in writing for the entertainment section just ask the editor. The rewards and exposure from writing are virtually indescribable.

1. Name the first American band to be managed by Brian Epstein of the Beatles (*Hint: Their one hit was Red River Wall*).
2. What New Wave/Punk band from L.A. performed on the Jerry Lewis Telethon?
3. Who played bass for the Sex Pistols on the *Never Mind the Bollocks, Here's the Sex Pistols* album?
4. What year did Bob Marley die?
5. What southwest town are the Meat Puppets from?
6. What does J.F.A. stand for?
7. Name the first band to use monitors during their concert.
8. Which band did Mick Avery play in before he joined the Kinks?
9. What psychopathic murderer tried out for the Monkees?
10. What band were Jeff Beck, Jimmy Page, and Eric Clapton originally members of (at different times)?
11. Out of the three guitarist previously mentioned, which one originally started out as a bass player?
12. What current top 40 band is originally from Iceland?

Ametek, Y sponsor leadership conference, cont'd

from page 1

These seminars were definitely not three days of boring lectures as one might expect. Instead, the instructors used techniques such as role-playing games and videotaping to emphasize key ideas. The instructors continually challenged concepts of effective communication and leadership through discussions and simulations.

One important point that was made clear was that effective communication was essential not only in the business and academic world, but also in many recreation and leisure activities. The discussion with guest speaker Arlene Blum reinforced this idea. Ms. Blum was the leader of the first American ascent of Annapurana and she talked about the many communications skills needed for a successful high-altitude mountain climbing expedition.

The students that attended this year's seminar felt that they gained much out of this three day program. They all felt that they had learned a lot about the art of effective communications and about themselves. As active members of various campus-wide organizations, all students felt that their experiences at this leadership institute would benefit their respective organizations as well.

Asked what was the most interesting part of the seminars, the consensus agreed that the marshmallow fight that one instructor sponsored to release tensions among us participants was the certainly the most memorable, if not fun. The marshmallow fight, along with dinners, and role-playing games showed that learning leadership skills was certainly not a dull experience. All students felt that the program lived up to their ex-

pectations and saw little need to improve upon the existing program. A poignant comment many students mentioned was that certain members of the Caltech faculty could benefit from this type of seminar.

Although the Ametek Leadership Institute is only conducted once a year, it is not too early to consider next year's session. While the seminars have been previously limited to selected officers in campus organizations, it is now open to anyone interested. However, each potential applicant should be warned that this program is a very intensive three day course and requires a solid commitment to be present for the duration of the program. For more information contact the Caltech Y.

Besides, the Ametek Leadership Institute, other leadership/management training opportunities do exist on campus. One of the easiest ways to gain leadership experience is to join a club or even start one of your own. Hands on experience is always an excellent way to learn about management.

Ametek also sponsors noontime lunch seminars throughout the school year. Since these lunch seminars happen aperiodically, be on the lookout for future announcements.

Another well kept secret is the relative abundance of management courses offered at the Caltech Industrial Relations Center. A list of upcoming seminars is available at their offices on 383 S. Hill.

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Ensembles

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3. Glen Matlock
4. 1980
5. Phoenix, Arizona
6. Jody Fosters Army
7. The Rolling Stones - 1969
8. The Rolling Stones
9. Charles Manson
10. The Yardbirds
11. Jimmy Page
12. The Sugar Cubes

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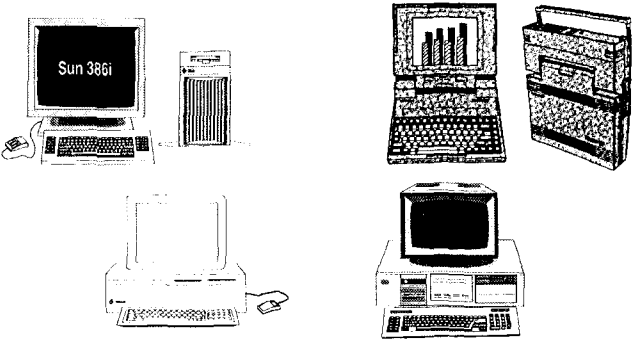
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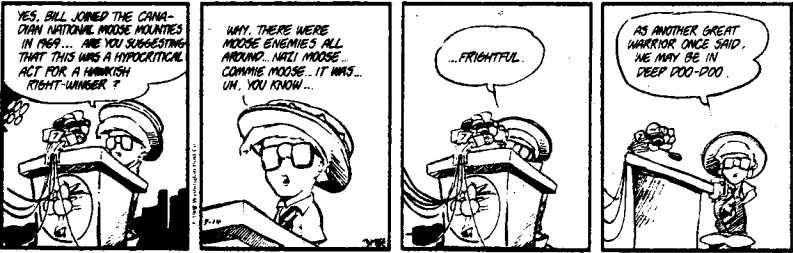
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BLOOM COUNTY

by Berke Breathed



The Inside World

This week's Inside World was brought to you by:

Lloyd: Curt Hagenlocher and Paul Socolow
 Ricketts: Su-Lin Wu

Lloyd: You can do anything you want in Lloyd House... 'Cause the BOC rep's off-campus! In further Lloyd news...

-Jesus reviewed The Last Temptation and found it to be a mostly accurate description of his life. The only problem with the film, says J.C., is that "Mary Magdalene had bigger tits."

-Sex kitten Alecia Chen has gone home for two weeks. The Fleming canon has been drooping noticeably.

-Dave Jaitner has unveiled his new line of denim for the fall season. Head-bangers everywhere are looking for the image-raising designs by this hard rock fashion mogul.

-The "Andy Warhol" look is in, for the wanna-be artist crowd, according to Ian Dutton. Ian can be seen around campus sporting his characteristic snow-white bangs.

-Dave Townsend, Lloyd House Treasurer, is spending the week in Hawaii, frantically trying to determine how Lloyd could be missing \$2000 since he took office.

-Frank Kim has some social events planned for first term already including an "MIT homecoming party" and a "Get away from Caltech for a lifetime" evening.

-Karen Oegema was seen recently wearing a Dokken T-shirt.

-Steve Ludtke (user name stevel) was seen wearing all black shortly after reporting the death of "geekbox," the XENIX PC that was his only child.

-Mike Rozak appeared on the cover of Medieval Times magazine, following in the footsteps of his roommate, Sean Johnston who had previously appeared on the Caltech Catalog. Sean, fighting the Crusades, was unavailable for comment.

-Michael Ida was heard to say, "If they wear any of that Medieval garb in MY alley, I'll kick their Creative Anachronistic Asses."

In other news, the Inside World has already lost two investigative reporters to the mystery of Room 5. This enigmatic chamber, deep in the heart of the Keith Spaulding building, refuses to yield us its secrets. Any information regarding this matter should be placed in an unmarked, unsealed envelope, and slid under the door to Room 215 Lloyd House. Thank you.

-J.C. and the Kraut

Ricketts: If you are a new freshman:

Hi there! Welcome to Caltech! By now, you are all probably on your way to Frosh Camp. Have fun, don't study too hard. And be sure to throw Jerry Hauck in the ocean as many times as possible. Really, he enjoys it and will thank you. Don't be concerned if he yells and screams a lot. It's his way of showing that he's having fun.

Ricketts House is the big thing next to the big thing with the cannon in front of it. No, they only look like they're connected. I worked pretty hard on the BRIGHT, awful looking name tags we're going to have, so please come by and put on your name tag so I won't feel like a complete failure in life. And say hello while you're here.

If you are an old freshman:

Hi there! Welcome to Caltech! By now, you are probably wondering what the heck happened while you were away. Well, I was here, ALL SUMMER LONG, and 99% of the time NOTHING happened. Here's the other 1%.

We Scurves, stuck here for the summer, celebrated some birthdays and Diana's new citizenship (be sure to give her more all-american foods like hot dogs) adding one more short, female, ornamental to the population. Isn't that great. Samer?

James had fun in San Diego. Getting him back took the combined effort of four or five households. When he got back, he was sort of laughing and sniffling and gurgling at the same time.

We all went outside to watch Cali, Cherries and Gato have a spitting contest. OOOo, yeah.

I cooked refried beans and put just a little too much garlic in it. George says that if you catch the wind in the L.D. kitchen just right, you can still smell it.

The fire alarms are REALLY annoying. And people are learning to sleep through them, trying to get some rest more than every other night. If a real fire came, Ricketts is going to sleep through it.

Some end of the summer excitement: Some off campus type wanted to come and play rough with us, but the mighty Scurves stampeded out and crushed him like a bug. It was a good thing that Bengt is made of concrete. Also pounded on: Peterpete, who head was almost removed; Plu, whose few enough brains seemed to be flowing out of his ear; Jon, who now has three black eyes; and Drew, who requires a new skin.

That's about it. Every person living in Ricketts has a new name card. Bribe the Complaints Department if you don't like yours and maybe you'll get a new one. If you don't have one and would like one, bribe the Manufacturing Department and maybe you'll get one. If you do not live in Ricketts House and would like a Ricketts House name tag for rotation, bribe the Sales Promotion Department and they'll get you one.

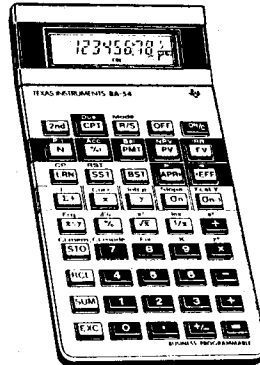
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-Pip-Squeek

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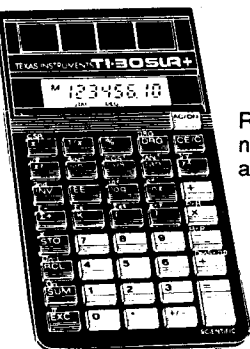
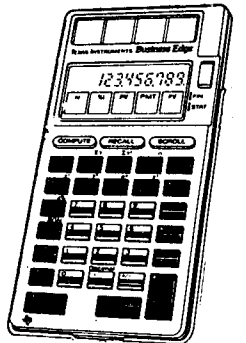
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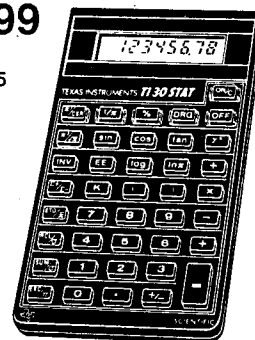
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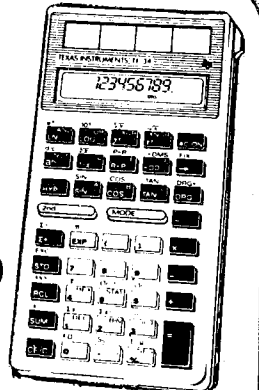
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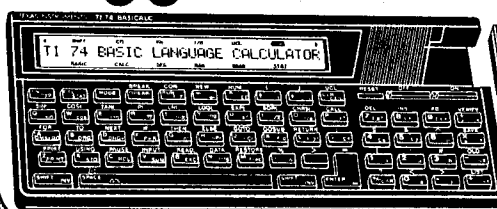
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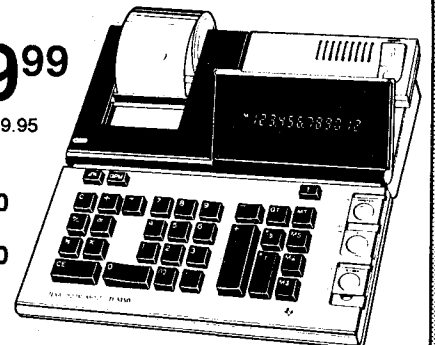
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