The ability to compile statistics is needed to foresee and predict large earthquakes. The ability to predict small earthquakes is more difficult. The ability to foresee and predict large earthquakes is much easier.

Dr. Sieh listens to questions after his talk

**Housing Facts**

by Susan Larson

(This is the second in a series of articles on issues concerning the standard of living of graduate students.)

When moving to a new area, a person faces the sometimes difficult task of finding housing. This job is even harder for graduate students who must find rents within their stipend ranges. The Caltech housing office offers a variety of services to make the task of finding affordable housing easier for graduate students. Landlords may list apartments or houses with the housing office listing service. This catalogue is available to Caltech faculty, staff, students, alumni, research fellows, and JPL staff and Huntington Library researchers. The housing office also acts as a landlord for several types of Caltech-owned housing.

The Institute owns graduate dormitory buildings on Hollandist, the Caltech Complex, as well as apartments and single family homes. 167 graduate students can be housed in dormitories on Hollandist, and 156 in the Calapalst apartments. Approximately 180 student rent off-campus Caltech-owned housing. About 65 of these students are married and about 25 have children. With graduate student enrollment just over 1000, this upgrade the condition of all the Institute-owned housing.

Having the housing office as a landlord gives graduate students several advantages, according to Jim Mingus, the head of the housing office. The office has "active, professional level management," and landlords benefit by having an established housing office structure to rely on, and by having some control over their living conditions since dialogue between students and housing office staff and faculty housing committee members is encouraged. Since Mingus wishes to make things better for all graduate students, not only the ones able to obtain Caltech housing, the office "tried to operate as fairly as possible."

In September, 1984 rents for the off-campus houses and apartments were raised. According to Mingus, rents were originally set when rents in the Pasadena area were fairly low. Caltech rents stayed low over the years because maintenance of the units was ignored, under the premise that many of the houses would eventually be torn down. In some cases rents were so low that Mingus and the others felt that students in Caltech housing were receiving an indirect subsidy in comparison to their fellow students who faced higher Pasadenist rents. When a new maintenance program was begun, residents were raised to cover costs. The housing office plans to set rents in order to cover the cost of maintenance, including: building repairs, equipment, repairs, and loan repayments). A reserve is also maintained for large-scale repairs.

In April, 1984, Nancy Carlton joined the housing staff as director of off-campus residences. Carlton has a staff of 40 and has established an on campus residence on University Avenue. The office rents additional apartment buildings.

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Rent Increase Questioned

To the Editor:

I would like to express some thoughts and feelings from recent discussions with student housing administrators. The recent and projected rent increases for Caltech-owned homes and apartments have raised emotions and concerns among many graduate students. Several arguments have been given for these increases, some of which, such as the cost of increased maintenance efforts, seem quite valid. However, I have also heard repeated complaints from Caltech's rents should be close to the open market rates in Pasadena; otherwise graduate students renting from Caltech would receive an unfair subsidy over students renting from a private landlord. While sticking to such noble principles as fairness and equality, this argument does not stand up to closer scrutiny, and I suspect that it was included to make the recent package of rent increases seem more palatable.

Caltech's housing office offers a number of advantages to its tenants, only one of which is a lower rent. The benefits of renting from most of Caltech's properties lie within walking distance from campus. Students have also been shown to also enjoy gardening services, a recently improved program for maintenance efforts, seem quite generally an uncomplicated relationship with their landlord. However, the main issue for the existence of the housing office, since no financial profit is generated, is the service.

It is equally important to understand that graduate student housing is a closed system; there are no contributions to its budget from the institute or from the active programs. The system is in part an "unfair subsidy" to students renting from Caltech. A student renting from a private landlord does not subsidize the housing office, neither directly through his tuition payment, nor indirectly through loss of Institute funds that might otherwise be available for his financial support. However, this student might be hurt by the recent rent increases for Caltech housing if they drive enough students to the private market to inflate outside rent.

Caltech housing does provide substantial benefits to its tenants. However, these benefits can be offered only to a finite number of students, currently about half of the graduate student body. Faced with this situation it is absurd to partially eliminate these benefits by raising rents in the spirit of fairness.

Considerations of fairness do have to be applied to the process by which students are chosen to receive these advantages. Personal- ly, I have found the complaint in the way in which Caltech houses were handed down from older to younger graduate students within the contact housing office (a practice almost eliminated by re- structuring the program). In African/Africa, prolonged drought has put the lives of 150 million people in danger. About 170 young people in 24 African countries are in imminent danger of starvation. In Ethiopia, a number of students in 150 and 100 children are dying every day!

Along with many other organizations, World Vision is sponsoring a national planned hunger fight. To join the team, you may send donations (payable to World Vision, Hunger Fight) to World Vision, Box 0, Pasadena, CA 91106. You will receive a receipt for the donation and it’s tax deductible. Or you can join their fast program to have people pledge for your fast. For further information, call toll free GET HUNGRY hotline 1-800-423-4200. Please care for those starving people and those who are suffering. (World Vision, Hunger Fight) to World Vision, Box 0, Pasadena, CA 91106. You will receive a receipt for the donation and it’s tax deductible. Or you can join their fast program to have people pledge for your fast. For further information, call toll free GET HUNGRY hotline 1-800-423-4200. Please care for those starving people and those who are suffering.

—Christine Yu

Letters

Frustrated With Reluctance to Change "Gender-Laws"

To the Editor:

Last week, the proposal to eliminate the inherent conflict from the ASCIT by-laws failed to obtain the two-thirds majority which it required for adoption. I am disappointed, I am sad and I am angry. I have spoken to many people in an effort to understand the thinking of the roughly 43% of the student voters who oppose this simple change. None of the reasons advanced seem at all convincing. They include:

1) "It’s a waste of time." This argument is two years too late. The work has already been done and the time spent by people who felt it was worthwhile. The proposed new by-laws currently exist on paper. You were simply asked to choose between two alternate texts, the old and the new.

2) "It’s a waste of money." Give me a break! A short time ago, two other by-laws amendments were passed. These changes will already have to be incorporated into any new printings of the by-laws (mainly in the little it, which is published every year, anyway), so the change in cost to add the third amendment would be negligible. In fact, whatever the cost, the benefits are much more palatable. Considerations of fairness do not necessarily rule out petty matters.

3) "It’s a money thing sounds awkward." Do you really believe that the constant repetition of the word "he" is less awkward than the repetition of "the president" or "the teacher"? More to point, the ASCIT by-laws were not intended to be a literary or a spoken work. They constitute an official document in which saying what you mean has top priority.

4) "He really means anything." This argument has at least some credibility but still falls short of being convincing. Many studies have been conducted to examine the more subtle uses of saying male nouns and pronouns, ostensibly "generic" contexts (ask me for references). Not surprisingly, the mental images and last impressions formed are not gender-free.

In the present case, it is clear that the ASCIT by-laws were first written, "he" most certainly did NOT stand for everyone. The truth is that until that time—and until 1970—women, no matter how capable they might be, were not permitted to study science, were simply not permitted to attend Caltech.

I would like to make one more point, and the unambiguous title is a gesture, a symbol, that we have progressed, that we are striving toward the goal of true equality. When you started to have thoughts emerging from recent Institute. This eliminates the idea that it is basically unfair for Caltech administrators. The recent and progressive program for practice almost eliminated by restructuring the program, when a rigorous course schedule makes it desirable to live close to campus. It is also much easier to find affordable housing on the open market than it is to live near the housing office, since no financial profit is generated. The office, since no financial profit is generated, is the service. In Africa, prolonged drought has put the lives of 150 million people in danger. About 170 young people in 24 African countries are in imminent danger of starvation. In Ethiopia, a number of students in 150 and 100 children are dying every day!

Along with many other organizations, World Vision is sponsoring a national planned hunger fight. To join the team, you may send donations (payable to World Vision, Hunger Fight) to World Vision, Box 0, Pasadena, CA 91106. You will receive a receipt for the donation and it’s tax deductible. Or you can join their fast program to have people pledge for your fast. For further information, call toll free GET HUNGRY hotline 1-800-423-4200. Please care for those starving people and those who are suffering. (World Vision, Hunger Fight) to World Vision, Box 0, Pasadena, CA 91106. You will receive a receipt for the donation and it’s tax deductible. Or you can join their fast program to have people pledge for your fast. For further information, call toll free GET HUNGRY hotline 1-800-423-4200. Please care for those starving people and those who are suffering.

—Morgan Gopnik
More Micros Coming

Benjamin Rosen, the venture capitalist and Caltech alumnus who has launched several highly successful computer hardware and software companies, has given $500,000 to Caltech for its educational computing program. Mr. Rosen's gift, the largest by an individual to the program, brings total contributions to the program, mostly from corporations, to over $9 million.

"Caltech undergraduates will benefit quite directly from Ben Rosen's generous gift," said Dr. Geoffrey Fox, dean for educational computing and professor of theoretical physics. "We are using some of the funds to purchase about 100 Compaq microcomputers, including Compaq pluses and Deskpros, for student use. In addition, about $100,000 of the gift will be used for maintenance, software support, and student fellowships.

"The gift puts us well on our way to the ultimate objectives of providing the equivalent of one microcomputer for each student," said Dr. Fox.

Dr. Fox envisions that the Caltech educational computing project will include over 800 workstations when fully implemented within the next two years. These workstations, linked by a high-speed campus network, will reside primarily in clusters of up to 10 or 20 machines placed in classroom areas, laboratories, the campus computing center, and libraries.

"Unlike the case with some institutions, Caltech is doing its educational computing on a variety of machines," said Dr. Fox. "We have concluded that a multi-vendor environment is to Caltech's best advantage, because the different uses of computers envisioned by the faculty in various disciplines correspond to different optimizations of currently available hardware." Besides Compaq, other manufacturers represented in the project include Data General, Digital Equipment Corporation, IBM, Evans & Sutherland, Hewlett-Packard, and Tektronix.

Mr. Rosen, who received his BS in electrical engineering from Caltech in 1954, is a partner in Sevin Rosen Management, the venture capital firm that played a primary role in launching Compaq Computer Corporation and Lotus Development Corporation. Mr. Rosen is chairman of Compaq and a former founding director of Lotus.

After graduating from Caltech, and earning an MS in electrical engineering from Stanford, he worked first as an engineer, later earning an MBA from Columbia University, and becoming a securities analyst. In 1973, he began publishing Rosen Electronics Letter, a highly regarded electronics industry newsletter. In 1981, he launched a third career as a venture capitalist, joining with L. J. Sevin to found Sevin Rosen Management.

Mr. Rosen's gift, the largest by any individual to Caltech, will be used for maintenance, software support, and student fellowships. In addition to these uses, some of the funds to purchase computers, including Compaq pluses for student use. In addition, about $100,000 of the gift will be used for maintenance, software support, and student fellowships.

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The book is on sale at the Caltech Bookstore and other locations for about $7.

The then-president of Throop Polytechnic Institute (later Caltech), James A. B. Scherer, invited Mr. Rodgers to become an instructor in aeronautics. But the grandson of Commodore Matthew Perry had more adventures in mind. Sadly, he died in an airplane crash in Alaska.

The final chapter of *Tour­nament Park* has the intriguing (given Caltech's recent competitive sports history) title of "Caltech's Winning Team." Mr. Combs explains: "The '920s were a golden age for track and field, and, in fact, for several sports—even at Caltech, notorious for its losers, where physical prowess is not high on the list of priorities... emphasis is on producing teams, a most appropriate objective for Caltech."
The Inside World

The housing office "needs a lot of input," says Carlton. Students are urged to interact with the office and make suggestions for improvements in housing and in housing office policy. To plan space allocation for next year, the office is conducting a telephone survey of students living in the Holliston and Catalina dorms. Students wishing to participate in the survey but who have not been contacted can call the housing office directly.

Direct comments or questions to Susan Larson (138-78) or to Markus Meister (103-33).

Grad Housing
from page 1

be decided if, or to what extent, the costs of acquisition should be covered by rents raised from all other Caltech-owned housing. Clearly the going market rate for a newer one-bedroom apartment is not affordable for a graduate student. On the other hand, students living in older housing may not wish to pay for the relative comfort enjoyed by students living in newer apartments.

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BLOOM COUNTY
by Berke Breathed

DOHNEY: "In Heaven, everything is fine."

"The Walrus and the Carpenter," a poem by Lewis Carroll, is a favorite of many students. In it, the Walrus and the Carpenter are two sea creatures who have been killed by a group of sailors.

Ruddock: Big news this week: ELECTIONS

Here they are—
Pres.—Rich Doherty
V. Pres.—Nathan Harvitz
Soc. Team—Deirdre McClure, Janice Sakai, Biff Yamazaki
Lib.—Rich Arrieta

Best of luck to you.

—Andy Campbell

CHEMISTRY MAJOR TRAPPED IN TUBE.

When you win a trip to Hawaii you can afford to get caught up in perfect waves day in and day out.

So try to win this vacation in Paradise for two, which includes airfare and six nights at a great hotel.

All you have to do is go to In-N-Out Burger, fill out an entry form, take our bumpersticker today.

Don't even have to buy anything.

You could be riding the big one in Hawaii before the year's out. Have fun!
"Surely You're Joking, Mr. Feynman!"

Adventures of a Curious Character

by

Richard P. Feynman

NOW ON SALE AT THE CALTECH BOOKSTORE
Buckaroo Reviews
A Weekly Column by Matt Rowe

**New Day Rising**
Hüsker Dü
SST Records

"World Destruction"
Time Zone
Celluloid Records

Hüsker Dü’s landmark Zen Arcade album was released in June, 1984 to such positive response that everyone wanted another album already. Fortunately, the Hüsker were recording New Day Rising at the time, and only seven months later, we have a successor to Zen Arcade.

Zen Arcade was impressive chiefly because of its size: a double album with ten songs long. Yet it also had scope: hard-core tunes, acoustic ballads, heavy metal, piano instrumentals, and a fifteen-minute psychedelic jam. If the album hadn’t had so much range, it could never have occupied two discs; if it hadn’t been so big, it could never have encompassed so much. A single album from Hüsker Dü would be a very different beast, indeed.

New Day Rising is fifteen songs long, but it is still a single disk. It is a much cleaner and more professional job than Zen Arcade, and, while some of the spontaneity is missing, it is equally energetic. Instead of trying so many different styles, Hüsker Dü now melts them all into one. They also show the influence of San Pedro’s greatest asset, the Minutemen, and of fellow Minneapolis residents, the Replacements (whose Let It Be was released at the same time as Zen Arcade).

Side one of New Day Rising is in the same vein as the Hüskers’ earlier Metal Circus, and the appropriately titled Land Speed Record. These songs are powerful, heavy, and short (if not always fast). The album opener, “New Day Rising,” is a repetitive chant with music to slam to: in concert you can’t hear the words anyway, and I’m sure it comes out better. Like Hüsker Dü’s earlier releases, the first side does have some gems. "I Apologize" is sincere enough, but vocalist (and guitarist) Bob Mould seems fed up with it all. One imagines this isn’t the first time he’s apologized. The next track, “Folk Lore,” highlights Hüsker Dü’s role as one of the few intelligent punk bands left.

"Lesson I learned in history book, now It’s not what they told me Folk lore, folk lore, folk lore Your momma never told you..."

Only in “Celebrated Summer” can one glimpse the originality and range that made Zen Arcade so phenomenal: a heavy, fast song is split in three by slow acoustic guitar solos. After one side, New Day Rising sounds good, but not great—hardly a worthy successor to Zen Arcade, but no cause for embarrassment.

Every song on Side Two is as good as or better than Zen Arcade—Hüsker Dü shines here. “Terms of Psychic Warfare” is reminiscent of the Minutemen, with Greg Norton’s funky bass playing driving a lament about a girl who is constantly trying her hand at applied psychology—even to drive her boyfriend mad. “Powerline” recalls the Hüskers’ only single—an amazing remake of the Yardbirds’ “Eight Miles High,” released just before Zen Arcade. “Books About UFOs” displays the band’s humor atop a bit of fifties-style piano boogie.

continued on page 8

THE MARK OF EXCELLENCE

Your standards of excellence and ours! Something we have in common. Join us for our information session.

Tuesday
February 12, 1985
4:00 p.m. — 5:30 p.m.
Chandler Dining Hall

Marty Kaplan, Vice President - Distribution Services-South and Caltech Alumnus, will be here to talk about Pacific Bell as a leader in Telecommunications and career opportunities that are available.

Pizza and soft drinks will be served as refreshments.

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A Pacific Telesis Company
WE ARE AN EQUAL OPPORTUNITY EMPLOYER
DO YOU BELIEVE
...today's technology represents only a preview of the possible?

We do too! So, join us in probing the frontiers of science and technology with basic and applied research at sophisticated levels.

We are not probing just a few frontiers. Consider these: laser optics, infrared electro-optical systems and fiber optics; microelectronics, semiconductors and semiconductor hybrid circuits; advanced control concepts, signal and image processing, robotics, CAD/CAM; gas turbine technology, fluid dynamics, combustion, aeroacoustics; materials science; V/STOL technology, aeromechanics, applied mechanics; automotive technology, building systems technology; manufacturing technology, NDE, industrial lasers; computer science, software engineering, artificial intelligence, digital applications and operating systems.

During the remainder of this decade United Technologies plans to spend an average of $1 billion annually on R&D. Few other U.S. corporations make such substantial investments in their future.

Think about it!

UNITED TECHNOLOGIES RESEARCH CENTER IS COMING ON CAMPUS—
February 21
Be sure to sign up at the Placement Office for an interview.

If you are unable to meet with us, please send details of your education and experience to Mr. A. Marcin at United Technologies Research Center, Silver Lane, East Hartford, CT 06108.

UNITED TECHNOLOGIES RESEARCH CENTER
U.S. Citizenship Required
An Equal Opportunity Employer
Eurasian Invasion in 1985

by Matt Rowe

1985

The Mikado

by Gilbert and Sullivan

New Day

Caltech Musical

The Mikado is Coming

Theater Arts will present the 1985 Caltech Musical, The Mikado, this week. Performances begin February 22 and 23 and March 1 and 2 at 8 pm, and February 24 and March 2 at 2 pm.

The Caltech Musical is (almost) theatrical musical shows have included Brigadoon, South Pacific, and Leonard Bernstein's Candide. The Musical is open to the entire Caltech/JPL community, providing an opportunity for students, faculty, and staff to meet in an informal setting, and exercise creativity in a non-scientific field of endeavor.

The Mikado was first staged exactly one hundred years ago, in 1885, but has lost none of its charm or wit. Time was then, and is now, a son of Mikado (or Emperor) of Japan, who has the power to do good or evil. He is one of those who will not heed the warnings to escape the unwanted attentions of the elderly Lady Ka-tish. Of his rivalry with Ko-Ko, the Lord High Executioner, for the hand of the delicious Yum-Yum.

Gilbert and Sullivan's most popular works, includes the famous “Til-Wilow,” a love song in the native Scots.

Her life revolves around all of the planets. She's just sitting in her room reading on a planet and naming it right after her

When you find a new planet and naming it Bill Laswell (of the band Material, who has worked with Talking Heads and George Clinton).

Fascist chauvinistic government fools! The Caltech Musical is an entertainment for students, faculty, and staff to meet in an informal setting, and exercise creativity in a non-scientific field of endeavor.

Eurasian Invasion in 1985

by Matt Rowe

1985

The Mikado

by Gilbert and Sullivan

New Day

Caltech Musical

The Mikado is Coming

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ASCIT Elections

BOC Chairman/ Vice President

Fred Ferrante

I am seeking reelection to the position of ASCIT Vice President. The position not only entails customary vice-presidential duties, but also the responsibility of acting as chairman of the Board of Control. The chairman’s duties include investigating cases of possible honor system violations. I share many people’s opinion that the honor system is an invaluable institution of life at Caltech. A just and well-operated Board of Control is crucial to maintaining the security and trust that we enjoy. Having been on the Board of Control the last two years, I am well aware of the time commitments, the seriousness of the nature of the Board’s work, and the importance of protecting not only the Caltech community, but also the rights of the accused.

As a voting member of the ASCIT Board of Directors, I am another responsibility of the office. I believe that I possess the experience and dedication necessary for assisting the President in providing an effective student government.

My decision to run for reelection is the result of careful deliberation. I welcome any questions that you may have concerning the Board or Honor System. I would appreciate your support this Monday.

Thank you.

Tim Allen

The honor system is on the verge of total disintegration.

I am running for ASCIT Vice-President because the community has changed so much in the recent past that the Board of Control, with its current procedures, policies, and officers, is no longer equipped to uphold the honor system. Only a new chairman, with the power of general public approval of his policies behind him, can implement the necessary reforms fast enough to ensure the continuation of the honor system.

The reforms I would implement as soon as possible are encapsulated in my three campaign promises:

1. Get tough on cheaters. At least 50% of the community cheats on a semi-regular basis (these figures are based on my two years of board experience, but are only an educated guess). Clearly, honest students’ grades are severely jeopardized by the large number of artificially high scores. The obvious problem: how can the Board of Control prevent this cheating before it occurs, rather than addressing the issue after the fact? One obvious solution is to make the penalty for cheating so severe that the would-be cheater can no longer afford to “risk the BOC.” A great many students are under the impression that first offenders are only slapped on the wrist (this rumor, unlike many, is often true). Therefore, an individual who has never been before the board really has nothing to lose by cheating, even if he gets caught. If this slap-on-the-wrist policy were abolished, people would be far less inclined to cheat. I am not advocating merciless application of punishment for first offenders (any policy must be applied with enough reason and compassion to allow for special cases); but I am advocating affirmative action intended to drastically reduce the number of academic honor system violations.

2. Ameliorate student relations with the housing office.

We all know that students must treat the housing office as a member of the community under the honor system. I know many students, however, who believe that the housing office has acted in an officious, unreasonable, and dishonorable way since the change in administration. I have been kept informed of many instances where the housing office’s lying to students or failing to provide safe and livable living conditions (“because making repairs would cost too much”). The Board of Control is in a particularly effective position to see that the housing office treats students with respect.

3. Provide a more open relationship between the Board and the student body.

While “board secrecy” is necessary to some extent, I believe that students have a right to know what the board is doing. Also, the board itself should be more receptive to the wants, needs, and suggestions of the community. If elected, I would establish a weekly column in the Tech in which I would respond to any questions or suggestions that you, the public, submit. I would also distribute a (real, this time) Board of Control survey, which would ask truly meaningful questions that would not only indicate how you feel about the board, but what you know about the state of the honor system in general, and what you think the board should be doing.

I take this election very seriously. I honestly believe that the Board of Control suddenly announced that the housing office was no longer protected by the honor system; but certainly such extreme measures would reduce the number of broken windows and after all proper channels had been exhausted. I have talked with Nancy Carlson, who, understandably, refused to treat me under the honor system because she felt that students regularly take advantage of the honor system. I can see why she does not wish to trust people who steal from her. If the students made a real, visible effort to respect the housing office, the Board of Control can certainly see to it that the housing office returns the favor. We all would benefit if the current tensions were eased through mutual trust and cooperation.

IHC Chairman

Ted George

There are several qualities that an IHC Chairman should possess. He should have a clear understanding of the rotation, a working knowledge of the students and the houses, and experience in working with people.

continued on page 11
ASCIT Elections

from page 9

IHC Chairman

I have been an undergraduate here for four years. During that time I have returned to Frock Camp twice as an interested counsellor, and have been Frock Picky three times. I know the new Rotation rules, and I understand the problems that arise during the week of Rotation.

Since I have been here for four years, I have had time to be active inside and outside the house. I've learned to look beyond the house and into the wider spectrum of campus activities. I have also been involved with the Interhouse Office and Food Service, making it easy to handle the Chairman's duties. Having been on the IHC for a year, I am familiar with several issues that will probably come up again this year, including Rotation rules/mechanics and next year's board contract, since we're curing it. The IHC Chairman is an important office; please take the time something for the school can do the best job. Thank you.

Peter Ashcroft

Having served during the past year as President of Black Leather, I am very aware of the duties of the Interhouse Committee. This awareness comes from working well with both the Master's Office and the Housing Office would allow me to serve well as Chairman of the Interhouse Committee.

I recognize the duties of the Interhouse Committee. Among other things, these include overseeing the rotation process during the first week of school, settling disagreements between the houses, and representing the interests of the house. These organizations deal with them, such as the administration, the housing office, etc. Are we going to get a new student center? What about rotation? I don't claim to have all the answers, but I do promise to work with the rest of the Interhouse Committee to represent the opinions of the students in those matters that apply to the housing system.

In conclusion, I've carefully considered the time commitment required to do well in this office, and have concluded that I can meet that obligation. I honestly consider myself to be the most qualified candidate for this position, and ask for your support in the coming election.

Thank you.

"I would vote for this guy if I were still alive."

John Rostykus

My name is John Rostykus and I am running for IHC Chairman. Besides my duties in the administration and on the Interhouse Committee, the IHC Chairman must work with the Master's Office and the Housing office when dealing with problems and improvements. Also, as a member of the ASCIT BOD, the Chairman must be able to stand behind the houses' best interests on ASCIT issues. As the ex-president of Lloyd House, I believe I am well-qualified for the job. During the past two years, I have been involved in Lloyd's freshmen selections and I've gone to the final pick twice, so I am familiar with the mechanics involved. I have also worked with both the Housing Office and Food Service, making it easy to handle the Chairman's duties. Having been on the IHC for a year, I am familiar with several issues that will probably come up again this year, including Rotation rules/mechanics and next year's board contract, since we're curing it. The IHC Chairman is an important office; please take the time something for the school can do the best job. Thank you.

Rod VanMeter

I am running for IHC Chairman for a couple of reasons. I feel I could do a good job, and I care about the campus and the students on it.

I have been, over the past 2 1/2 years, an active member of two houses, have served on faculty-student committees, participated in both intercollegiate and interhouse athletics, and organized RFs. Okay, so that last one may not be relevant, but so what?

I feel that the IHC Chairman should be someone who can deal comfortably with all seven houses, and I think I have adequately demonstrated that. I feel quite comfortable in all the houses.

In addition, I will review carefully, you will look closely at the candidates, then vote for me.

Secretary

Felice F. Borisy

I am running for the office of Secretary of ASCIT and would like your votes at this Monday's election. Being ASCIT Secretary would give me a chance to do everything for the school in return for what it has given me. I feel qualified for the office, know what it entails, and have previous experience in other leadership positions, such as of the Undergraduate Women's Group and in my House.

In addition, next year there is going to be another faculty-student conference and there are some items I would like to see closely looked into, in particular, the Humanities Department's attitude towards foreign language classes, the ever-energized mathematically-oriented economics classes (Ec II) in the social science department, and possible changes in freshman physics classes both in grading standards and placement criteria. Because of this, I would like to be on the BOD.

I own a typewriter, so please vote for me as your next ASCIT secretary. Thanks.

Lisa Cummings

My name is Lisa Cummings and I am running for ASCIT Secretary. I have been involved in house work for the past year I have been Secretary of the Board of Control. I therefore have gained experience in taking minutes and in understanding the workings of committees. I would like to extend my energies towards issues that concern the Caltech community as a whole. For these reasons, I would appreciate your vote for me as ASCIT Secretary on Monday. Thank you.

Art Duval

I am running for ASCIT Secretary because I am interested in what ASCIT does, and I want to work for it. As the President of the Interhouse Committee, I would not only record and distribute minutes of Board of Directors meetings, but I would also have a vote on the BOD, helping to run ASCIT.

I have worked on projects independently to improve student life at Caltech. I invested a great deal of time during the third term to present a formal proposal to the IHC that would have given freshmen more influence in picking houses; the compromise that was reached is the only change in Rotation mechanics made in many years. This year, with other students, I met with the Master to provide input on the proposed undergraduate/graduate house.

In addition to other, smaller projects were rewarded, and removed the feeling of helplessness I used to have about student life at Caltech. But I feel I can contribute more by working within the system. I look forward to being involved with ASCIT projects to maintain and improve undergraduate jobs, by providing input to the BOD, and doing the necessary work, secretarial and otherwise. If elected, I will work hard at these jobs, so please vote for me. Thank you.

Jack Profit

We are running for the office of ASCIT Activity Director, i.e., the people who show the ASCIT Movie. Most of us have experience at showing the ASCIT Movie, so you can offer you consistently good movies with fewer interruptions. We will not compromise ourselves by getting package deals which often include worthless films, but rather pick and choose from among the best the studios have to offer. Also, unlike previous Directors, we will not promise to do anything that you can't keep. We think we can do the best job of Activity Director, and hope that you agree.

Athletic Director

Michael Keating

I am running for ASCIT Athletic Director. I have dealt extensively with the Caltech athletic department and am very accessible to athletes. You cannot vote for me on Monday.

Director at Large

Eric Scharin

The primary responsibility of the Director at Large is to serve on the publication of the Research Opportunities Handbook. I am experienced in the compilation of student publications and feel that I am qualified to do this. Thank you.

Will Evans

I am running for ASCIT Director at Large so I can continue to pursue the projects that have been initiated during the past year. I would greatly appreciate your support on Monday. Thank you.

Activities Director

David Agbara

Robert Soderbery

I am interested in making Caltech an active campus, which should be not only wildly fun sometimes, but other activities as well. One activity every other week should be a minimum. I have been involved with the Caltech-Occidental party and attended this year's ESC meeting. I am willing to work for the Caltech student body.

I would appreciate your vote and your support.

Tech Editor

Matt Rowe

For the past two terms, I have been Entertainer Editor of The California Tech's column "Backbaro Reviews." With these contributions, I have tried to provide more variety and interest to a paper which seemed to need them. The response has been positive, and I would like to help bring about improvements on a larger scale.

The California Tech is a newspaper, but an editor must not lose sight of the fact that it is a student newspaper. In addition to reporting campus news of interest to students, I hope to place greater emphasis on student activities at Caltech. Entertainment and sports would be featured just as prominently, with the same emphasis on events at Caltech. Recognizing that even these elements are of little interest to some readers, I pledge never to cut the most popular features, "The Inside World" and Bloom County. Finally, I will be open to suggestions: anything submitted would be considered for publication, and any ideas for improving The California Tech would also be welcomed. Besides, "No" can't type.

No
**Weekly Sports Calendar**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Sport</th>
<th>Opponent</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sat.</td>
<td>2-9 PM</td>
<td>Swimming</td>
<td>Occidental (MW)</td>
<td>Mt. San Antonio Col.</td>
</tr>
<tr>
<td>Sat.</td>
<td>2-9 PM</td>
<td>Baseball</td>
<td>Cal State Fullerton</td>
<td>Caltech</td>
</tr>
<tr>
<td>Sat.</td>
<td>2-9 PM</td>
<td>Fencing</td>
<td>Cal State Fullerton</td>
<td>Caltech</td>
</tr>
<tr>
<td>Sat.</td>
<td>2-9 PM</td>
<td>Women's Tennis</td>
<td>Redlands</td>
<td>Caltech</td>
</tr>
<tr>
<td>Sat.</td>
<td>2-9 PM</td>
<td>Men's Tennis</td>
<td>Redlands</td>
<td>Caltech</td>
</tr>
<tr>
<td>Sat.</td>
<td>2-9 PM</td>
<td>Basketball (JV)</td>
<td>Redlands</td>
<td>Caltech</td>
</tr>
<tr>
<td>Sun.</td>
<td>2-10 PM</td>
<td>Women's Soccer</td>
<td>Our Gang</td>
<td>Caltech</td>
</tr>
<tr>
<td>Tue.</td>
<td>2-12 PM</td>
<td>Baseball</td>
<td>Pacific Coast Baptist Bible</td>
<td>Caltech</td>
</tr>
<tr>
<td>Tue.</td>
<td>2-12 PM</td>
<td>Baseball</td>
<td>Point Loma</td>
<td>Caltech</td>
</tr>
<tr>
<td>Wed.</td>
<td>2-13 PM</td>
<td>Men's Tennis</td>
<td>Occidental</td>
<td>Caltech</td>
</tr>
<tr>
<td>Wed.</td>
<td>2-13 PM</td>
<td>Basketball (JV)</td>
<td>Claremont-Mudd</td>
<td>Caltech</td>
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<tr>
<td>Wed.</td>
<td>2-13 PM</td>
<td>Women's Tennis</td>
<td>Claremont-Mudd</td>
<td>La Verne</td>
</tr>
<tr>
<td>Wed.</td>
<td>2-13 PM</td>
<td>Basketball</td>
<td>Claremont-Mudd</td>
<td>Caltech</td>
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</tbody>
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**JV Basketball Plays For Pride?**

by Sam Duncan

As the end of the season comes closer, the JV seem to show less and less enthusiasm in each successive game. In part, this lack of spirit is understandable if one looks at their record. They haven't come close to winning even a single game, and it is disheartening to go out and again as lambs to the slaughter. No one can get excited about losing by a fifty point margin, but still this does not excuse the apathy seen in many of the players. It is unacceptable to lose if one has done his best, but there is no reason not to try.

Wednesday's game against Occidental showed the lack of enthusiasm acutely. The team was sluggish and bumbling and discouraging to watch. Several players were missing or impaired because of illness and the rest seemed dead on their feet, as if they didn't really want to play. The result was exactly as one would expect; our team lost by a wide, wide margin.

If we look at the situation realistically, the odds of a win are slim, and so the team must try for the small victory of playing the decent basketball of which they're capable with everything they've got. Otherwise, the apathetic players of the team are right and nothing matters.

---

**Fencers go 1 - 3 against UCSD**

by Perry Riposte

Last Saturday at home the Caltech fencing team met U.C. San Diego. The team had a tough match and made a good effort. The women's foil team lost 13-3. Phyllis Li won two bouts by making good lunges and parries. She did well with a weak ankle. Janice Peters had one win. She still remembered the basic movements in fencing after a period of respite. Susan Ridgeway did not win any but gave her opponents a difficult time. The men's foil team fenced an experienced team and lost 8-1. The only scorer was Craig Keller. He executed his actions quickly and was able to get touches. Scott Grossman and Alex Gilman made a good effort to win. They made good parries and ripostes and were able to get some touches against their opponents.

The men's epee team also met an experienced team and lost 9-0. The members were Andrew O'Dea, Joe Beckenbach, and Thomas Luke. Even though there was no win, all of them made a good showing for they are all first-year fencers. O'Dea, Beckenbach, and Luke kept good distances and made attempts to hit their opponents' wrists. Breaking the losing streak, the men's saber team had a victory. The final score was 5-4. Both opposing teams were evenly matched, and the saber team managed to get a lead and win. Scott Lewicki won all three of his bouts. He was happy that he defeated an opponent who ranked 6th in the league. Chien-Wei Han won two. Matt Himmelstein was quick on his feet. Jeff Greason did effective beat attacks.

This coming Saturday the Caltech fencing team is going to meet Cal State Fullerton and San Diego State University. The matches will start at 1:00 pm in the gym.

---

**Varsity B-Ball Loses To Whittier and Occidental**

by Stu Prime

Despite playing good, solid basketball, the Caltech basketball team has been struggling through league competition. Losses this week to Whittier and Oxy left Caltech in 6th place, ahead only of LaVerne. Against a much taller Whittier team, Caltech tured in perhaps the best game of the year. Center Brett Bush dominated the boards and Z sank some long range jumpers down the stretch.

Right now, the one thing that is plaguing Caltech the most is fouls. If Caltech could keep Helgren, Bush and Ed in for a full game, they would have serious chance to beat some of the teams in the league.

It should be pointed out that Bill Gustafson's points to fouls ratio record set last year isn't in danger, although Bill himself gave it a good try against Oxy.

I should also say that Whittier was hotter 'n a possum's belly in an Oklahoma summer against Oxy. He's got the weight on me so I don't want him angry.
GM Scholarship

This year two sophomores will be selected as General Motors Scholars: an electrical engineer and a mechanical engineer. The General Motors Scholarship plan is designed to continue the corporation’s support of higher education by providing scholarships to outstanding students (primarily in engineering) at selected educational institutions.

Students are selected in the spring of their sophomore year and awards are made for the junior year. The awards are continued for the senior year, provided the student meets the requirements set by the General Motors Scholarship Committee. Applicants must have excellent scholastic records and be recommended by their department chairmen.

Noland Scholarship Awards of $500 each are given to a junior and a senior for literary excellence. Each recipient is selected by the Administration Committee. The awards are given to outstanding students (primarily in engineering) at selected educational institutions.

OWC Meeting

The Organization for Women at Caltech will have a general meeting on Tuesday, February 12 at noon in Winnett Lounge. There will be a report on pregnancy and abortion bills and a discussion of the topics of whether the Cal国会 alpha retreat should include male members and whether the location of the OWC office renders it useless will be discussed. The meeting is open to everyone.

BOC Rep at Large

The Board of Control will soon select two representatives at large. Anyone interested should sign up in any of the student houses. Sign-up sheets will be up from February 11th to 5:00 pm February 14th. Interviews will be held February 17th (first round) and February 18th (second round).

Celebrate Shabbat

Come enjoy a delicious potluck dinner and a brief service with Caltech and CSLA Hillel tonight (Feb. 8) at 6:30 pm in the Red Door Cafe (2nd floor Winnett). See you there.

Games Galore

Would you like to play or want to learn a variety of role-playing or board games? Want to meet other people who do? Come up to Clubroom 1, Winnett Center, any Friday night from 7:30 pm to whenever. Various science fiction and fantasy games run regularly, and you can get together with others to arrange anything else you desire. Learn the wonder of Caramia, Champions, Warlock, Call of Cthulhu and a host of others.

Caltech Y Services

You may not realize it, but that same bunch that puts on all those peculiar programs, such as Noon Concerts and Decongressions, also supply students with several other services. If you have lost anything recently, you should check with us, since we maintain one of the many lost and found services on campus. Also, we have a wide selection of used books available at cut-rate prices, including fiction, nonfiction, and textbooks.

Big T Appointments

Dr. Ben Hisao of IBM Data Processing, New York, on Monday, Feb. 11 at 7:30 pm in Winnett Lounge. The subject of the talk will be "Achieving Excellence in Engineering: The IBM Fellow Program." Free pizza and soft drinks will be served. Everyone is invited.

Achieving Excellence

Tina Bei Pi presents a talk by Dr. Ben Hisao of IBM Data Processing, New York, on Monday, Feb. 11 at 7:30 pm in Winnett Lounge. The subject of the talk will be "Achieving Excellence in Engineering: The IBM Fellow Program." Free pizza and soft drinks will be served. Everyone is invited.

Human Rights

Voice your support of personal freedom and write a letter on behalf of the refusenik Khulan on this Sunday, Feb. 10 at 5:30 am on the Red Door Cafe. Memos of $3.00 are welcome. Letter writing materials are available in the Office of the refusenik Khulan in this Sunday, Feb. 10 at 5:30 am on the Red Door Cafe. Memos of $3.00 are welcome. Letter writing materials are available in the Office of the refusenik Khulan on this Sunday, Feb. 10 at 5:30 am on the Red Door Cafe. Memos of $3.00 are welcome. Letter writing materials are available in the Office of the refusenik Khulan.

Madwoman Triads

Triads for parts in The Madwoman of Chaillot, a play by Jean Giraudoux, will be held this Saturday and Sunday, February 9 and 10, from 2-6 pm in Winnett Lounge. Performances will be April 12, 13, 14, 19, 20 and 21 in Ramo Auditorium.

Bridge Club

The Bridge Club meets Mondays at 7:00 pm in the Red Door Cafe. All welcome (undergrads, grads, faculty and staff). A tourname is being planned. For more information, call Jeffery at x5744.

Bored?

Are you bored, run-down, out-of-sorts, or just plain sick to death of the same old game? If so, there is a recourse in your hour of need. Come up to the Caltech Y office upstairs in Winnett Student Center, and talk to the nice people there. They can give you ideas and sometimes assistance for all sorts of activities in the LA area, both within and without walking distance. There is a famous map of the local Pasadena area containing everything of interest that is within walking distance. But if you’re feeling really adventurous and want to know about it, haven’t you?, and many pamphlets containing information about the more distant parts of the world, such as Westwood, etc. Come and get a copy, free!

PA 15 Meeting

There will be a meeting of the PA 15 class, which is the student newspaper, at 12:15 pm today in 127 Baxter.

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Attention Seniors

This is the last and final call for seniors who want their pictures in with your name, major, and hometown to Glen Crawford (818-445-5061) ordrop them to "Big T," 107-51 Caltech.