



photo by Anoop Sinha

The start of construction on a new parking structure on South Holliston has left a rather large hole. Note the size of the house in the upper right corner.

Nassir Wins Hinrichs Award

by Suzette Cummings

Michael Nassir has won the Hinrichs Award this year. This award, established by the Board of Trustees, is given in memory of Frederic Hinrichs, Jr., who served for more than twenty years as a dean and professor at the Institute. In remembrance of his honor, courage, and kindness, the award is given annually at commencement to the senior or seniors who have made the greatest contribution to the student body and whose

quality of character, leadership, and responsibility have been outstanding.

Mike has been an exceptionally capable leader during his years at Caltech. While he has been involved in a variety of activities since his freshman year, perhaps his most significant contribution has been his work with the Caltech Honor System. As a sophomore, he was a representative to Page House. During that year he was then elected Secretary of the Board and then became Chairman in June

1990 for two years. During this time Mike demonstrated great concern for improving student awareness of the Honor System and did a superb job of carrying out his duties as Chairman.

Mike has also served with distinction as Student Body Vice President and on the Faculty Committees for Admission and for Academic Standards and Honors. He made thoughtful and worthwhile contributions while serving on these important com-

NASSIR, page 7

Hafer Receives Beckman Prize

by Suzette Cummings

The Eighth Annual Mabel Beckman Prize has been won by Senior Catherine Hafer. This award is dedicated to the memory of Mabel Beckman, who with her husband Arnold Beckman, supported Caltech as a faculty member, friend and benefactor for over fifty years. The prize bearing Mrs. Beckman's name is awarded annually to a woman student in recognition of demonstrated academic and personal excellence, contribution to the Institute com-

munity, and outstanding qualities of character and leadership.

Ms. Hafer is a senior in economics who has demonstrated outstanding leadership qualities throughout her years at the Institute. Her primary contribution to her fellow undergraduates has been her outstanding work with the Board of Control, the student group that administers the Caltech Honor System. As a sophomore, Cathy was a representative to the Board from Fleming House. She also served as Secretary of the Board and as the Board of Control Chair.

Throughout her years on the Board, Cathy has worked actively

to improve the campus community's understanding of the Honor System. She has communicated with faculty as well as with students in an effort to make the Honor System work as effectively as possible.

Her leadership as ASCIT Vice President and on committees such as the Dean's Search Committee has been exemplary. Cathy was particularly effective in her work with the committee that planned the undergraduate centennial celebration. Her efforts contributed to a successful event that focused on the undergraduate community, past and present.

HAFER, page 5

Lorden Discusses C House

by Zackary Dov Berger

For almost ten years, an eighth student house has been in the works at Caltech. According to those most closely involved, Centennial House (so called because the bulk of the necessary funds was raised in 1991, Caltech's centennial year) is planned by administrators as a site on the corner of Holliston and Del Mar. Undergraduates, graduate students, post-docs, and faculty would live and eat together in the house. The faculty, however, see C House as a \$10-million sink (that being the quoted cost of the project) and, most importantly, the undergraduates have remained ill-informed about the project as a whole. While ASCIT and the IHC have finally been consulted about the makeup of the new house, the average Techer knows nothing, and is suspicious: Is it to be an eighth house? Is it to be a USC-style dorm? How will undergraduates, graduates, and teaching faculty manage to live together, as Vice-President for Student Affairs Gary Lorden said, "the lion lying down with the lamb"?

Lorden, *de facto* head of the Centennial House project, consid-

ers the spirit and character of the newly formed house to be the important thing. "The details themselves," he said, "don't matter so much." However, when it was suggested to him that the new house be included in Rotation, he expressed approval: "Sure. It's important that C House be included with the other seven houses so as not to create any elitism."

Lorden agreed that the recent memo from Director of Residence Life Kim West, which referred to the project as a "residence hall," was surprising in its locutions. Lorden said, "We're definitely not looking at it as a dorm, like at SC. And actually, at the Centennial House conference a few years ago—which, frankly, was a work-up for the faculty—the faculty made it clear that they did not want C House to be an eighth house like all the other houses. So maybe Kim tried to strike a compromise and ended up calling it a 'residence hall.'"

Lorden described the house's goal as that of "promoting interaction between students and faculty." Indeed, he said that the faculty initially viewed this goal of

C HOUSE, page 5

Hawking To Appear On "Star Trek"

by Gorm A. Nykreim

Dr. Stephen Hawking left Caltech this week. His visit this year was apparently concerned mostly with high-energy physics and two-dimensional gravity theory, as well as a guest spot in "Star Trek: The Next Generation."

Star Trek? Did Gorm say Hawking is going to be on Star Trek?

Well, Hawking had been visiting the Paramount Studios for the April 28th video release of "A Brief History of Time" when the subject of ST:TNG (another Paramount production) came up. Hawking agreed to appear on the show. Hearing opportunity's knock, the producers left at the chance.

Inside of a week, a two-minute piece had been written and cast. Hawking would be shown playing poker with Newton, Einstein, and the android Data on the starship



file photo

Dr. Stephen Hawking

Enterprise's "holodeck." No cast member other than Brent Spiner (Data) was at the shooting, so presumably Hawking didn't get to meet Patrick Stewart (Capt. Picard) or anyone except Spiner. Filming took all day, which was said to be "a

HAWKING, page 5

Nominations are still open for the following ASCIT-appointed offices:

- Coffee House Users Group Representatives
- Election Chairman
- Publications Darkroom Chairman
- Totem Editor
- Activities Chairman
- Big T Editor(s)
- Big T Business Manager

Sign-ups are on the East side of Winnett. Sign-ups are also open for two undergraduate spaces on the Search Committee for a new Assistant Vice-President for Student Affairs.

Clue Reviews Needed

The following first term courses still need CLUE reviews:

| | | |
|---|--|--|
| Ae—102, 104, 150, 213 | CS—4, 20, 138, 139, 142, 181, 185, 257 | (section 3), 2 (sections 1, 4, 6-10), 5, 91c, 110, 112, 121, 157, 191c |
| AM—151 | EE—116, 121, 124, 131 | ME—19, 20, 72 |
| AMa—98, 101, 104 | EE—91, 107, 112, 114, 182, 183 | MS—15 |
| APh—9, 17, 110, 114, 140, 141, 190 | En—1, 2 | Mu—21, 31 |
| Art—103, 150 | Env—112, 142, 150 | PA—30, 33, 40, 60 |
| BEM—101, 109 | Ge—103, 105, 114, 128, 180 | Ph—1 (sections 1, 5, 6, 9), 2 (sections 3-6), 3, 5, 11c, 12, 77, 125, 128, 209 |
| Bi—110, 150, 217, 250 | H—124, 134, 146, 148, 181 (section 2) | PI—122, 150 |
| CDS—112 | Hum—2, 10 | PS—139 |
| CE—105 | L—106, 108, 130, 132, 141, 153 | Psy—12 |
| Ch—4, 5, 10, 14, 15, 112, 120, 122, 125, 144, 242 | Law—33 | SS—213, 222 |
| ChE—105, 185 | Lit—112, 165, 180 (section 2) | |
| CNS—182, 185 | Ma—1a (sections 1, 3, 5-9), 1b | |

If you have time and took one of these classes first term this year, please write a CLUE review. The mailings for second term CLUE reviews will be coming out in the next two weeks. Within a week after drop day, mailings for third term CLUE reviews will be sent out. Please consider writing CLUE reviews for any classes you have strong feelings about. Reviews can be sent to either Box 192 through campus mail or via e-mail to epc@cco.

The California Tech

In this issue...

| | |
|-----------------------|---|
| Letters to the Editor | 2 |
| Ernest Explains | 2 |
| World News | 3 |
| Concert Review | 4 |
| Comics | 4 |
| IHC Minutes | 5 |
| Page of Ads | 6 |
| Events and Notices | 8 |



letters to the editor

JIB Boycott Urged

I just got back from the Jack in the Box feeling furious. I went there at midnight to get some burgers, but I wound up with a lot more than I had bargained for. When I pulled up to order in the drive-through window, three men pulled up behind me, and upon recognizing that my friends and I were Asians, started to throw racial slurs and insults at us. I was stunned for a while, and wondered whether I had misunderstood. But the insults kept flying at me, so I got the idea that they didn't like me very much for some reason. I tried to remain calm despite my "basic instinct" to find some nice, heavy steel bar and go at those morons. Instead, I pointed out the situation to the employee and asked them to refuse service to the men behind me. But all I got was a bureaucratic and insincere refusal on the grounds that they cannot refuse service to anyone. The employee said "we can't do anything about that."

Well, I think we can. If they can't do anything about the rampant racial hate that ruins our society, we should help them change their minds by boycotting them. On the one year anniversary of the Los Angeles Riots, which revealed the basest nature of our society and ourselves, the Caltech community should send out a strong signal that the Truth does FREE our minds. I ask all those who agree with me to boycott Jack in the Box or send a letter of protest. Boycott Jack in the Box at 1415 E. Colorado Blvd.!

A concerned and pissed Asian-American Male Undergraduate,
Henry Choi
Box 390, x6078

More Honor System & Staff

I would like to respond to D.A. Kornreich's letter (*Tech*, 3/2/93) concerning staff and the Honor System. In both that and a similar letter to me, D.A. speaks of his encounter with the head of Caltech security (Hal Ginder) concerning a parking ticket. When D.A. asked about getting the yellow zones removed,

"The answer was that such a move would have to go through Gary Lorden. When I [D.A.] asked why this was so, the reply was astounding and condescending. This is not a democracy. Would you like to know what the honor system is? The honor system is nil. Maybe it works among the students, but it won't ever work with anybody else.' In effect, in that one statement, the head of Caltech security was telling me that our entire ideal as members of this community not to

unfairly disadvantage one another is only so much baffle-gab. Right there it was: unfair disadvantage is okay as long as he can find some way to get it approved. Is this the kind of attitude we seek in our high-ranking staff nowadays? Are we now going to have available a "Taking of Unfair Advantage" form in every office on campus?"

Although I find this very reactionary, it raises a number of issues. I haven't contacted Hal Ginder to get an official opinion on this, but I have spoken with several security guards on many occasions (and Hal himself, at frosh camp '90), and my general impression is that they enjoy the Honor System for many of the same reasons we do. In general, they find they don't need to worry about students. One went so far as to say, "This job is great, because I don't have to worry about being shot on the job." Further, Hal is right to say, "[m]aybe [the Honor System] works among the students, but it won't ever work with anyone else." Ideally, of course, everyone would love the Honor System and abide by it perfectly; realistically, not everyone thinks so highly of it, and there are infractions. So he is right in saying 'maybe,' because he doesn't usually see the good results of the Honor System—his duty requires him to worry about problems with our community—and he is right in saying it doesn't work with anyone else, because it doesn't. Because we students are bound by the Honor System and hopefully act within it, one of security's main concerns becomes securing campus from non-students, none of whom are bound by the Honor System.

Technically, only students are bound by the Honor System, although the Caltech community is much more than just the students. For undergraduates the Board of Control and for graduates the Graduate Review Board reinforce and protect the Honor System. Staff and faculty, on the other hand, have ethics which are reinforced by the grievance committee and various other procedures. This does not mean the Honor System doesn't apply to them, per se, since they too enjoy the freedoms of the Honor System—it simply means they are bound to it in a different manner. And certainly, we have ample, recent evidence that violations are dealt with among staff.

Finally, I would like to say that being ticketed for parking illegally and having to go through the Vice President of Student Affairs to get a yellow zone removed hardly constitute honor system violations. However, if you feel you've been taken unfair advantage of, your first recourse should be to contact me or your house representative. If

anyone has an Honor System issue to discuss (and I know several have been brought up lately, although oddly enough, only two students have contacted me about any of them), please call me. I even have a campus extension and answering machine, x6200, and would love nothing more than to talk about the Honor System with you.

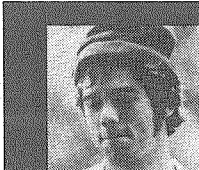
Sincerely,
Michael Brundage
Chairman, Board of Control
Vice President, ASCIT

C-House and the Houses

While C-house seems well into the planning stage, I urge an in-depth look at the whole house system at Caltech before yet another house is built. While the house system is usually held up as a prime example of how Caltech is better than any other school, I believe most other colleges have not followed Caltech's example because the house system is inherently a poor one.

Caltech is a very small school. The house system makes the problem worse by making contact between people in different houses more difficult. How many of us made friends at Frosh Camp, only to lose touch because we ended up in different houses? House affiliation is often used as a label. Every Caltech document that has one's name and social security number also has one's house affiliation, as though that were some incredibly vital piece of information. Even the student submissions to the Tech were subdivided into sections by house. At any other school, one could not imagine that the paper would subdivide submissions by dorm or fraternity, or that one's report card senior year would list one's freshman dorm as vital information. Why not just also place one's favorite color there as well?

I believe that there are a number of reasonable changes that can be made. If more undergraduate-graduate contact is desired, why not open up several spots for graduate students in the present houses? The degrading policy of letting house members decide who will or will not get into a house should be abolished. Cafeteria-style dinners would eliminate archaic rules that terrify many freshman into never attending the dinners of other houses. At the same time, non-affiliation should be made a viable alternative to freshman and others. So much of



Ernest Tomlinson

Ernest Explains

Dear Ernest:

I always enjoy reading your column. Here's my question: Did Mussolini *really* make the trains run on time? I bet a friend of mine that he did. What's the story?

—Jake in Pasadena

Dear Jake:

Better get ready to pay up. Mussolini did *not* make the trains run on time. That's just an old myth. Most historians trace its genesis to Jack McFee's column in the *New York Times*, c. 1955.

This is not to say that Il Duce was an ineffective dictator. After all, he did decree that no pre-frosh were allowed outside the borders of Italy (that's why there were no Italian Caltech students during the war).

It is interesting to note that Hitler himself once contemplated a similar pre-frosh restriction, but rejected it, saying it would be "taking fascism too far."

Dear Ernest:

I read that Caltech did poorly in a recent college ranking by *U.S. News and World Report*, primarily because of a very low student satisfaction. Does this mean I should go to college somewhere else? —a concerned pre-frosh

Dear Pre-Frosh:

According to our staff statistician, Monwhea Jeng, *USN&WR* measures student satisfaction by looking at a school's graduation rate. Tech students are not necessarily more miserable than other college students; they just don't graduate.

In response to your second question: do not come here. Go to Stanford instead.

the power and support structure is built around the houses that a non-affiliated student is left isolated. I believe it is important to see students as human beings instead of Moles, Flems, Rudds, or whatever.

Mike Pejic
797-8601

Editors Respond

We would like to respond to several points Mr. Pejic made in his letter above.

First, Mr. Pejic criticizes the *Tech* for dividing submissions by house affiliation. Mr. Pejic, only *Inside World* submissions are divided this way. This is because the *Inside World* was originally a place for news about each house ("We beat Ricketts in disco soccer. Party Saturday" is a typical example). Later, the *Inside World* submissions became more creative and less house-centered, and the house division became mostly a useless tradition. Many other colleges *do* have a special area for short fraternity news, sorted by frat (similar to the old *IW*). Come by the office and we'll show you examples.

Second, Mr. Pejic advocates cafeteria style dining for the houses, so that there will be more inter-house interaction. Frankly, we believe that if people want to meet Techers in other houses, going to

dinner would not be the way to start. In our opinion, dinner is a time for the house to be together,

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sort of a daily house meeting. I choose not to go to Blacker dinners simply because I don't really care about the daily doings of the house. This does not prevent me from dealing with Moles every day. In the same way, I doubt Dabney dinners would interest you, unless Bonfire Updates, exploding heads, and free Bee Gees records are your idea of fun.

We do agree that visiting other houses' dinners can be intimidating. Perhaps a comprehensive list of house dinner rules should be made available.

Lastly, Mr. Pejic criticizes the "degrading policy" of allowing the Houses to choose their own members. First of all, this is not precisely true, since ninety percent of a house's members will be chosen as freshmen after Rotation, when the students do have a considerable say as to which house they will be in. But more importantly, the Houses would lose their integrity as self-governing groups of people if they had no choice about their membership. While ASCIT serves us admirably as Caltech's student government at large, it is only in the Houses that Techers have a day-to-day opportunity to govern themselves.

Mike Benedetti
Michael Radford

Not All Equal

It is with disappointment that I read last week's articles on national service, though it did not come as a surprise. I always suspected that wisdom and knowledge do not always go hand in hand. What I found most striking about the letters was that it lacked any mention of the group that stands to benefit most from national service: the people that would be served. Unfortunately, Mr. Chang, in our "American marathon" (as you so put it), some have to run a longer distance than others. Even though Thomas Jefferson stated that "all men are created equal," not all people have equal opportunity. I know many hard-working individuals who, because of their socioeconomic position, find it difficult, if not impossible, to achieve a higher standard of living. I know this well as my father, a poor Mexican-American, has to struggle daily to keep a roof over our heads and food on the table. It is not lack of initiative or intelligence that hampered his progress, but simply the fact that he was poor and Mexican.

Mr. Stephens responds to national service by pursuing his own selfish interests, which will "lead to... a better world." He cites himself as someone who, as a teacher, would "lead by example." But what kind of example is he providing? Do we as members of society want to produce such self-serving people? And do we really believe that if we make *our* lives better, then others' lives will improve as a consequence? Trickle-down economics produced more disparity

Armenia / Azerbaijan

Armenia and Azerbaijan called a cease-fire in the fighting over Nagorono-Karabakh.

California

Ronald Askew was awarded \$242,000 in damages. He had sued his ex-wife for concealing the fact that she was not physically attracted to him at the time of their marriage, claiming that he would not have married her if he had known this, and that he had therefore been damaged by her deception.

France

Japan agreed to cut its imports to the EC by 9.4%. European auto makers condemned the agreement for not cutting imports enough.

Georgia

Georgia and Russia agreed that the fighting Georgian forces and Abkhazian separatists would create a 1.9 mile wide buffer zone. They also discussed the possibility of a cease-fire.

Haiti

Ex-President Jean-Bertrand Aristide agreed to a plan where he would be restored to power and the leaders who overthrew him would receive amnesty.

India

Over 125 were killed by a tornado. Over 250 houses were destroyed in fighting between Indian troops and secessionists.

Iraq

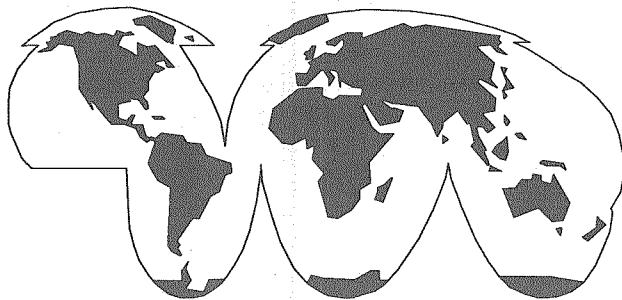
Iraq shot at 4 U.S. fighter planes patrolling the northern "no-fly" zone. The U.S. planes bombed the anti-aircraft site and returned to Turkey unharmed.

between the rich and the poor, not less. It is easy for those that are comfortable with their position of life to say that we should look out for ourselves. They have had many doors open to them. Unfortunately, many people find these doors shut. And why would the selfish person offer help? It might infringe on their own interests. It is easy to sit in an ivory tower and extol the virtues of education and self interest, but only when one works with the poor does one grasp the harsh reality of their lives.

Like many others, I have made a commitment to serve others. It was not in response to Clinton's plea, for even if he did not make such an appeal, I would not act differently. In fact, reducing community service to an "acceptable barter" (using Mr. Anderson's revealing term) seems contrary to the goal of service. I do not ask that Mr. Echols and the others sympathize with the needy nor do I expect him to understand their plight. I do want others to know that there are people, even though they are imperfect or "selfish," who nonetheless want to work towards a world of equal opportunity. I *could* look after my own interests, but I have better things to do with my time.

Daniel Sandoval
Box 934

World News



by Momo Jeng

Israel

Prime Minister Rabin said that he would ask his cabinet to keep the occupied territories sealed off indefinitely.

Japan

A \$115 billion stimulus package was adopted.

Macedonia

Macedonia was admitted to the United Nations under the temporary name "the former Yugoslav Republic of Macedonia." Greece had feared that the country's name implied that it would attempt to take over the Greek province of Macedonia, and had previously blocked its entry into the U.N.

Romania

Workers demonstrated nationwide to protest government reforms which end most price subsidies and do not attempt to rescue failing Communist-era state industries.

Russia

Hoping to gain votes in the upcoming referendum, Yeltsin decreased gas prices, rose minimum wage, and extended privileges to veterans.

Serbia

The commander of the Serbians in Bosnia-Herzegovina said that the U.N. "no-fly" zone would have no military effect, since most of the Serbian take-over has been fought on the ground. NATO jets began enforcing the "no-fly" zone over Bosnia and reported no violations by Serbian aircraft.

South Africa

Chris Hani, a negotiator for the ANC and general secretary of the Communist Party, was shot by a white assassin. The ANC decided to continue with constitutional negotiations.

United States

Officials at the White House released some information about Clinton's new health-care plan. Under the plan, every American would be insured for a certain package of benefits which would probably be determined by a national health care board. Abortion would be one of the guaranteed benefits. The country would be divided up into large health alliances, and residents in each of these alliances would be able to pick from several health plans. Insurance premiums would be the same regardless

of current status or past medical history, and insurance companies would be required to accept all applicants and not drop any. Exactly how long it will take to implement this plan and how much it will cost is unclear.

Clinton proposed a plan to transfer federal aid to schools in middle-class neighborhoods to schools in poor neighborhoods.

Clinton indicated that he would take a tougher stance on the trade deficit with Japan, saying "If you look at the history of American trade relationships, the one thing that never seems to change very much is the one with Japan."

Clinton's national service program, in which the government would help pay for college tuition costs in return for national service, was questioned by several public service groups who feared that the plan would put unqualified students in situations where they could do more harm than good.

The Russian President's Orchestra will be touring the U.S. this week. The tour begins April 14, with a performance at Jackson Jr. High in Vienna, WV (pop. 12,000), and ends on April 19 at the Kennedy Center in Washington, D.C.

The jury begun deliberations in the Rodney King trial.

David Koresh still won't come out.

Vietnam

A document from the Soviet Communist Party archives indicates that North Vietnam has withheld information about the number of American prisoners of war. The U.S. is still investigating the document.

WRITE FOR THE TECH.

The California Tech meeting is held weekly at 12:15 P.M. in the Coffeehouse. Free pizza, barrels of laughter.

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Mester Conducts Pasadena Symphony in Mahler

by Khurram Dastgir-Khan

Gustav Mahler never heard his ninth symphony performed. He died a few months after completing it, thus preserving the hex on the ninth symphony that claimed Beethoven, Bruckner and Schubert. But if he listened to the Pasadena Symphony's *tour de force* performance of his masterwork, he would have been very pleased, even impressed.

Symphony No. 9 in D-major is a piece of daunting musical and emotional complexity; an effort to understand the profound mystery of death. Mahler conveys the depths of tragedy and sorrow, and in doing so, crafts the most profound personal statement ever set to symphonic music.

The Pasadena Symphony outdid itself in a majestic performance

of Mahler's *magnum opus*. Jorge Mester drew a finely balanced and controlled sound from the ensemble. The winds and the brass were particularly noteworthy. The violas, in a remarkable feat of playing, vindicated Mahler's trust in their unjustly neglected instrument.

Jorge Mester and his players deserve special praise for their reading of the final movement, *Adagio*. It was a marvel of controlled emotion, yet did not sacrifice any of the deep pathos of the composer's premonition of his own death. The symphony ends with the strings fading from violins to violas to cellos, which then die away very slowly. Mester conducted the ethereal finalé with masterful restraint, and left the music suspended in the air, unsounded yet unmistakably present. Bravo!



photo courtesy Jim O'Brien

Greg Dudey easily clears 12'6" in the pole vault on his way to scoring a team high of 38 dual meet points in last Saturday's Caltech Invitational track meet.

ynews

by Katy Quinn

Welcome prefrsh! If nobody has told you yet, the Caltech Y is the only real student activities/service organization on campus. So while you're wandering around make sure that you wander up to the second floor of the Winnett Student Center and say hello.

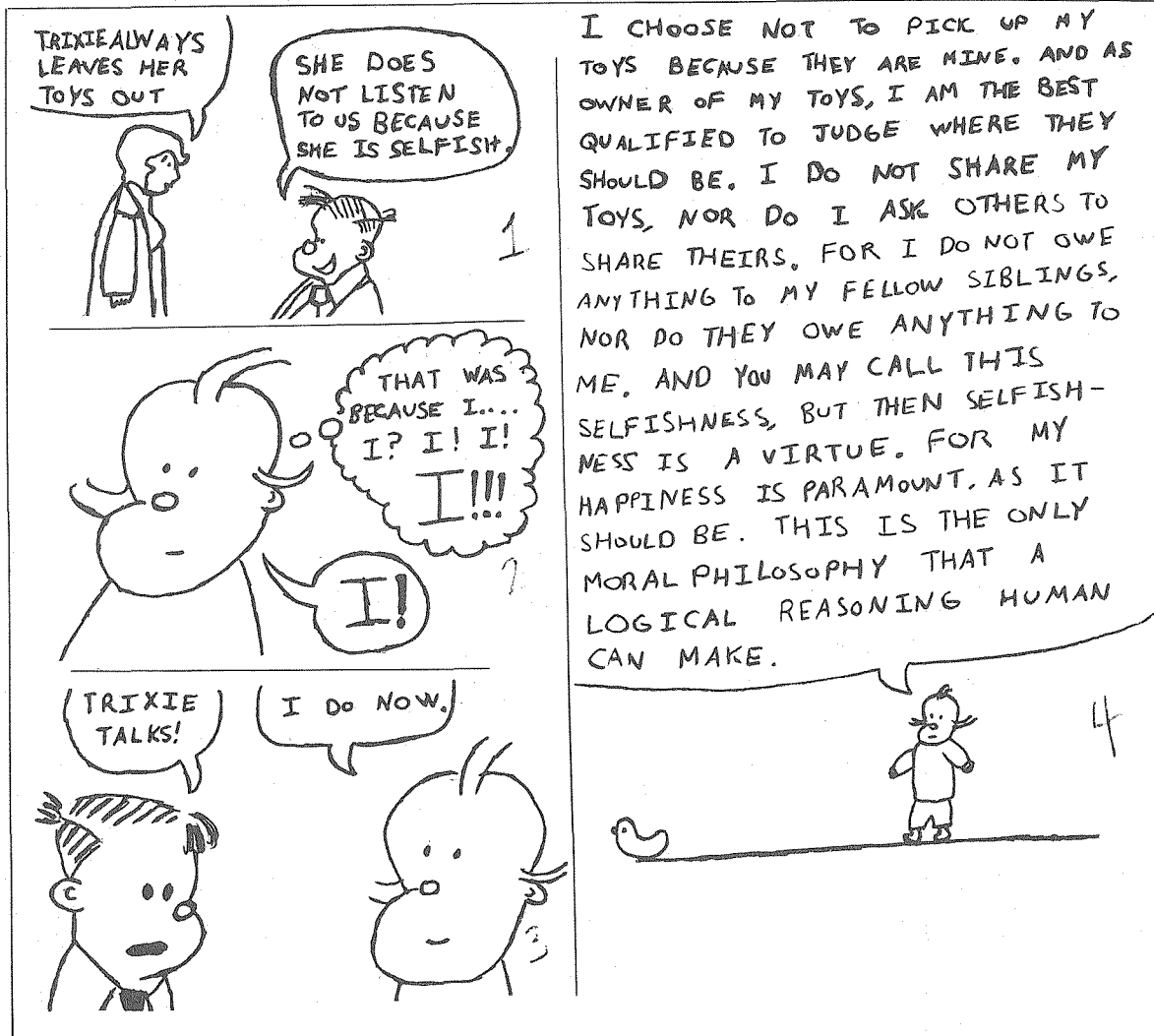
On to activities: this Monday there is a Meditation class from 7-9:30 P.M. in club room #2. There will be an International Day meeting Wednesday at 12 noon in the Y lounge and at 8:30 P.M. the Ira Stein Jazz Trio will be giving a concert in Dabney Hall, free! The 22nd is Holocaust Remembrance Day, there will be a event in President Everhart's garden from 4 to 6 P.M. with guest speaker Fred Benjamin; all are invited.

Don't forget, next Friday is Earth Day! Look for the notices around campus. The Caltech Y is located on the second floor of the Winnett Student Center and is open 9 A.M. to 5 P.M., Monday to Friday.

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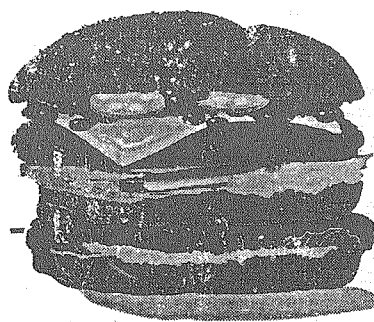
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continued from page 1

C House

C House with skepticism. "They said, 'We have money for faculty to eat dinner in the houses. Just use some of that.'" Lorden seemed to recognize, however, that neither faculty nor students are often comfortable at these gatherings. He claimed that if students, faculty, and graduates are found who want to live together in the first place, there should be little problem in these groups living together. Most heartening of all was that Lorden claimed to recognize the new house's place in Rotation, and that freshmen would come to Tech being able to choose between the North houses on one hand, the South houses on the other, and C House.

However, Lorden emphasized throughout that on no account was he making any pronouncements or declarations from on high, saying, "I know that the administration often seems distant to students." He said that he would soon be

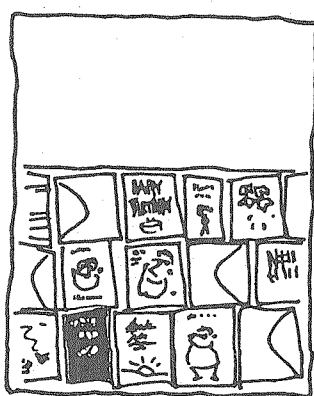
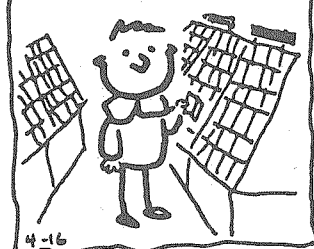
coming to the Houses to visit the students, getting their opinions about the new house.

Finally, Lorden discounted as false any rumors to the effect that C House's dining room would be used as a campus dining hall on the model of Chandler. "That's funny," laughed Lorden, "because I remember faculty saying that if any of the students wanted to eat with faculty, they could already do so in the houses or in the Athenaeum. So this is the exact opposite." In general, Lorden seemed highly—if vaguely—supportive of including Centennial as an eighth house in Rotation, and of soliciting students' opinions as well as the opinions of ASCIT and the IHC.

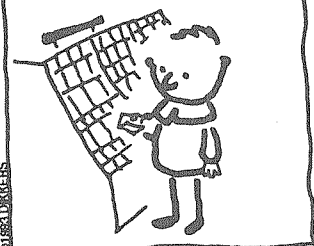
Editors' Note: There will be a number of opportunities this term for those who are interested in talking about Centennial House. One such opportunity is a lunch and free-form discussion on Saturday, April 24, hosted by David Wales at Steele House. If you are interested, please sign up with the Office of Residence Life, x6194.

Jim's Journal by Jim

I looked at
greeting cards
today.



Some of the
cards were
kind of funny.



continued from page 5

Hawking

lot of fun, but tiring to everyone." Tim Hunt, one of Hawking's aides, observed that an actor has a much longer work day than a theorist, and that Hawking wasn't tempted to switch careers, despite His cinematic success in "A Brief History of Time."

It is my opinion that the poker scenario could turn out very well. It seems particularly appropriate in the context of Hawking's famous sound bite "Not only does God play dice with the universe, but sometimes He rolls them where they cannot be seen." Although both Kip Thorne and John Preskill claim to know the outcome of the hand, I begged off, having concluded the winner through my own reasoning. (I will be willing to make book on small wagers for any interested parties).

Hawking will probably continue to return to campus on a roughly annual schedule as a Sherman Fairchild Distinguished Fellow.

continued from page 1

Hafer

Cathy has served the students in a selfless manner. She truly cares about the Caltech community and has had a positive influence on undergraduate student life.

Ms. Hafer will receive this prize at graduation on June 11.

IHC Minutes April 14, 1993

by Karen Ross

Present: David (Ri), Ben (Bl), Stan (Ru), Eric S. (Ll), Eric L. (Fl), Derek (Pa), CZR (Da), Asif, Ed Etzkorn (ex-Ru), Gary Lorden, and me.

The meeting began at 8:15 P.M. Interviews for IHC Secretary were held.

At 9 P.M., Gary Lorden arrived to talk about C House. First, he said that there were 565 on-campus spaces and 900 undergrads. 900 is a new record, although it was accidental, not due to any change in admissions policy.

Second, he outlined some of the previous (non C House) plans to increase student housing. One was to put a real student center in place of Winnett and build an 8th House on the site where P-plant is. However, renovating Winnett would have been very expensive, and as the campus expands toward Del Mar, 200 spaces will be lost so one additional House like the original seven won't solve the housing crunch. Another plan was to build a women's dorm like they have at M.I.T., but there was not a lot of enthusiasm for this idea. Third, it was suggested that faculty move into the existing seven houses to improve student-faculty interaction. Finally, building more dorms like Marks and Braun was considered.

Next, Gary Lorden described the master plan that Caltech drew up with the City of Pasadena. Caltech wanted a master plan to ensure that it would still be allowed to expand as Pasadena became increasingly wary of over-development. Expansion to the south of campus is very precisely mapped out, while to the north some things

are vague. Additionally, Caltech promised to offer on-campus housing (where campus is defined to be Caltech property) to 100% of its undergrads and to 50-60% of the grad students.

Lorden stated that C House will be located on the west side of Holliston Ave. between the MOSH's house and Del Mar. Eventually, it will be part of campus because the campus is expanding in that direction. Also, in the very long run (i.e. 25 years) there will be buildings where the Chester parking lots are and two parking structures on the east side of Holliston. P-plant will also move to the east side. If all goes according to plans, C House will be open for the 1995-96 academic year.

CZR said that it seemed to be a priority of the students to house all freshman in the existing seven houses. Therefore, C House has to be attractive enough to entice upperclassmen to live there. One way to do this would be to have single rooms in C House.

The goal of C House is to improve communication between grads, undergrads, and faculty by housing some of each in one building (180 undergrads, 55 grads, and 15 faculty). As Lorden envisions it, C House should ultimately develop its own government and traditions and should be a place where non-resident faculty and students would feel comfortable meeting. He called it "an athenaeum for the rest of us." He doesn't see it as a substitute for the seven houses, but instead, as a place where people could live for part of their time at Tech. Faculty would not be allowed to move in there just for a cheap room. They would be expected to eat with the students and participate

in the social life of C House. Asif pointed out that the food service would have to improve if faculty were going to volunteer to eat it. Lorden said that C House would guarantee the food service more business so they would be able to expand/improve their offerings. However, Lorden emphasized that nothing about the social atmosphere of C House is dictated. It can work itself out naturally when the time comes. The donor is very interested in making C House a place where alums could come and share their experiences after Tech with current students. Lorden surmised that young faculty might choose to live in C House for a couple of years before buying their own house. The faculty turnover would develop a pool of faculty (current and former residents of C House) who had good relations with students. Several people on the IHC liked the idea of C House being "neutral turf" where people from different Houses could interact. Ben pointed out that even students are intimidated about going in to Houses other than their own without a specific reason, so it is no wonder faculty don't do it.

Kim has some drawings of C House made by the architects that were competing for the contract to build it. The architects have been determined although the final plan will not be made until the architects get more input. Some ideas are for there to be small meeting rooms and a student center atmosphere in part of the house.

David asked about possible conflicts between residents over noise. Lorden didn't think the building would be particularly sound-proofed. He guessed that the resi-

continued on page 6

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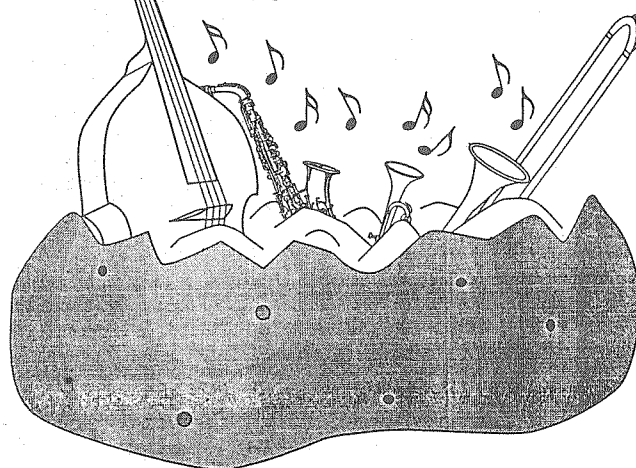
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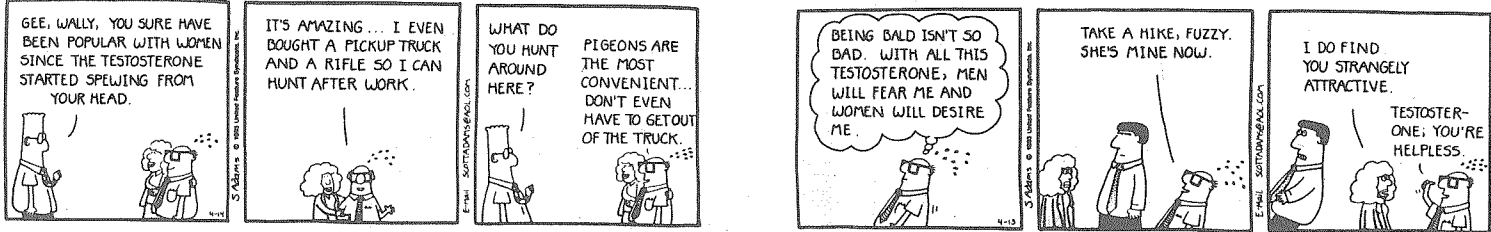
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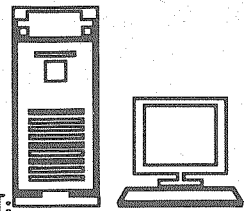
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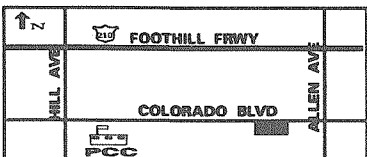
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IHC

dents would decide how much noise was allowable, and people who didn't agree would simply choose not to live there.

In order to avoid damaging the House system, Lorden thought it was important that C House not become an elitist place, substantially better than the on-campus Houses. Therefore, improvements, such as better food service, would affect the whole campus, not just C House. Caltech will also still have other housing options, such as apartments, for people who do not wish to live in C House or in the on-campus Houses.

Finally, Lorden said that Saturday lunches at the MOSH's house were planned to discuss C House. The first one will be on April 22. Interested students should sign up in the MOSH's office. Also, Lorden would like to come to dinner in the Houses to discuss C House with students. Lorden left at 11 P.M.

Craig Smith was chosen as the next IHC Secretary. Congratulations!

The following amendment to the Interhouse tennis rules was unanimously adopted:

*Competition: 2. Each meet will consist of three singles and two doubles matches. At least one of the singles players must be a woman.

Asif said that the Alumni Association has \$600 available until the end of the term for undergrad/alum events.

The following events were approved for Pre-frosh weekend: Ruddock: brought a copy of the BFD. It was approved as long as a reference to Fleming House is removed.

Blacker: brought a social calendar with "classified" listed for every day after the pre-frosh arrive. The R.A.'s will have dessert night on Thursday. There will be a barbeque and slip-n-slide on Blacker beach Saturday.

Lloyd: planning a barbeque and a capture the flag game. The two Eric's will work it out so that it doesn't conflict with Fleming's scavenger hunt.

Page: has a social calendar with no listings after pre-frosh weekend.

Ricketts: planning four square and a pot fire.

Fleming: will distribute a welcome letter to the pre-frosh with information like where the health center and the R.A.'s are located.

Students are allowed to take their pre-frosh to places in Pasadena. Talking them out of Pasadena will be considered a Rotation violation. Also, drinking in front of the pre-frosh is O.K., but giving/selling the pre-frosh alcohol is prohibited. Eric L. asked about re-instating the gag rule. The IHC voted against it 2-4-1.

Disco: Page challenged Fleming. Lloyd will challenge next, followed by Blacker.

ASCIT wants safety reps from each House. Interested people should talk to Rich Zitola (Dabney 20).

The meeting ended at 11:50 P.M.

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continued from page 1

Nassir

mittees. He is a role model for all student leaders and he has enormous respect from his fellow students. His dedication to service and strong interpersonal skills make him a valuable and influential member of the Caltech community.

Mike will receive his award at commencement, June 11, 1993.

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THE YESS PROGRAM. Caltech's summer program for high school juniors, will hire four undergraduates as counselors (similar to RA's). The counselors will live in the houses with the students while supporting their extracurricular activities as well as providing supervision. Counselors will receive free room and board for the duration of the program (July 5-30) as well as a stipend of \$500. The program is also searching for an undergraduate student in biology and an engineering major (E 5 background preferred) to serve as TA's. Their compensation will be \$1800.

THE BRIDGE PROGRAM for pre-freshmen (August 2-September 10) will hire 2 resident counselors. The counselors will receive free room during the program and a stipend of \$600. The program is also searching for undergraduate graders in chemistry and physics. Grading will take approximately five hours each week and compensation is set at \$500.

All interested students are encouraged to apply for these positions—especially former YESS staff and Bridge "alumni." Applications are available from Michelle McClenahan, 287 S. Hill Ave, MC 2-98, ext 6208. The application deadline is **MONDAY, APRIL 26**. Brief interviews will be held the first week of May.

RATES.....\$4.00 for first 30 words; .10¢ for each additional word. Send written ad with payment to 40-58. Deadline is 6 p.m., Monday before issue. No charge for on-campus lost & found.

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SINGLE WHITE FEMALE

West Side SWF seeks female to share and trustworthy/ly

Editor's note: the asterisks indicate a new announcement.

Notices

***C House Discussion and Lunch**—I am planning C House discussion and lunch on Saturday, April 24, from 12:00—2:00 P.M. at Steele House, 355 South Holliston. If you are interested in attending, please call Amy at x6194 to reserve a spot. If there are too many responses, we will have a second discussion the following week. Grad Students welcome. MOSH.

***Annual West Coast History of Science Society Meeting** will be held from Apr 30 to May 2, jointly sponsored by Caltech's H&SS Division. Info: Helga Galvin, x4538.

Attention all club leaders—The 1993-94 ASCIT Budget Meeting will be held at noon on Sunday, April 25. All clubs, old or new, that desire ASCIT funding should fill out a budget proposal information form, available outside Angie Bealko's room (Page 109), by April 23. Further information can be found on the proposal sheets.

***IEEE Student Branch to form**—A student branch of the world's largest technical professional society is being started at Caltech for those interested in EE, APH, and CS. IEEE has many conferences, design competitions, and other activities. The branch will give students a chance to interact with faculty and professionals. If you are interested in helping get this organization off the ground, there will be a short meeting on Tuesday, April 20, at 12:00 in 102 Steele. We will be presenting our ideas for the direction the club will take and discussing ideas that people bring up. For more information or if you can not attend the meeting, call Brett Warneke at 795-4469 or Albert L. Lee at 449-5572.

Events and Services

***International Coffee Hour**—the first for the third term, will be held on Fri Apr 16 at 6:00 PM at the Red Door Cafe. The theme for this coffee hour will be; "Immigrants in Europe"—race and ethnicity. Graduate students from Europe and it's neighborhood will talk about the impact of immigrants in the respective countries. Refreshments will be provided. Open to all members of the Caltech community.

***International Students**—Hosts are needed for *Up With People's* international students for their stay in the Pasadena area, Apr 25 to May 2. These students are members of one of *Up With People's* five touring casts for 1993. These students will be involved in PROJECT PRIDE, focusing on children and involving area elementary schools. For more information on PROJECT PRIDE or on hosting, contact Ann-Michelle, Jennifer, Chris, or Christa at (818) 302-0221 or (818) 799-8152.

***Caltech's second annual Earth Day Celebration** will include games and prizes, a dunking machine, live music, and exhibits. Food sold. Caltech Y organized; sponsored by various Caltech organizations. Noon to 2 P.M. in Winnett Quad Info: Chris Sundberg, 356-6163.

Caltech Y ExComm Meeting—The Y invites anyone who wishes to cosponsor an event to attend on the first or third Monday of each month.

***Friday Prayer**—Prayers organized by Caltech Muslim Students are held in the Caltech Y lounge at 1:30 P.M. every Friday. (Note the time change).

Caltech Hillel/Jewish Community Weekly Meeting—An informal gathering, every Thursday at noon in the Y lounge. For information call Cathy Konigsberg at (213) 259-2959.

Mass—Thursday at 8:15 in the Y lounge and Sunday at 10 A.M. in Winnett lounge. Sacrament

Events and Notices

of Reconciliation (confession) is given 20 minutes before masses. Refreshments are served after mass.

Bible Study and Discussion—Every Wednesday at noon in the Y lounge. Bring your own lunch. For more information call Mike Gerfen at 356-4886.

Gay, Lesbian, Bisexual Support Group—Meets the first and third Tuesdays at 7:30 P.M. in the Health Center Lounge. This confidential meeting is open to all Caltech community members looking for a supportive context in which to address questions and concerns about sexual orientation—including coming out, being out, self-discovery, coping with families. . . . We begin with a focus topic but move to whatever is feeling most relevant to the group that night. Refreshments are served. For information, please call x8331.

Adult Children of Alcoholics—A 12-step group which meets on campus every Tuesday, from 12 noon to 1 P.M., in Y club room 2. The group is open to any student, staff or member of the faculty who grew up with family alcoholism and other problems. For more information call Dinah Lee Schaller at x2961.

Open Line—Open Line meets every Tuesday in the Y lounge upstairs during lunch, between 11:30 and 1:00. Topics discussed include developing a youth center for ages 5-12 for tutoring services, activities and cultural development for the children of Caltech students, staff and faculty, developing a multicultural book for the understanding of all nationalities, traditions and customs. Open to all of the Caltech community.

Baby Furniture Pool—The Caltech Service League loans out baby furniture to students and postdocs on Wednesday at 324 S. Chester from 10 to 11 A.M. For more information call 952-1631.

Entertainment

***The Ira Stein Trio**—An Evening of Chamber Jazz. Presented by the Caltech Y. Wed Apr 21, 1993, at 8:30 P.M. in Dabney Lounge. Admission is free.

***The Ethnic Visions Film Series** continues with *El Norte*, Mon, Apr 18, at 7:30 P.M. in Baxter Lecture Hall. This film is the gripping tale of a brother and sister from Guatemala who flee terrorism in their own country and make the perilous journey through Mexico to Los Angeles. Director Greg Nava will introduce his film and answer questions.

BANDORAMA 93, at 8:00 P.M., Saturday, May 1, 1993 features the Caltech Occidental Concert Band and Caltech Jazz Bands with guest soloists Mario Guarneri on the trumpet and Janet Ketchum on the flute. At Beckman Auditorium on the Caltech Campus. Admission is free, and no tickets are required. Info: (818) 356-4652.

Caltech Jazz Bands Play the Baked Potato—On Sunday, April 18, from 8:30 P.M. to midnight, the Caltech Jazz Bands will appear at The Baked Potato at 26 E. Colorado in Old Pasadena. This club serves food, drink, and gourmet baked potatoes. General admission is \$8, and \$4 for students with ID, and there is a two (2) drink minimum. For more information call The Baked Potato at 564-1122.

The Pasadena Folkdance Co-op offers beginning and intermediate instruction every Friday at 7:45 P.M. in Throop Unitarian Church on

the corner of Los Robles and Del Mar. A program of varied international dances follows the instruction at 9:00 and continues until 11:00. Wear soft-soled shoes. A contribution of \$1.50 is requested.

International Folk Dancing—Tuesday nights in the Dabney Lounge. Beginning instruction starts at 7:30 P.M.; intermediate at 8:00 P.M. and open dancing takes place from 9:00 until midnight. Donations are accepted. For more information call Mike McKenna at (310) 692 0366.

Israeli Folk Dancing—Sundays in Winnett lounge. Beginning instruction starts at 7:30 P.M., intermediate at 8:00 and open dancing goes on from 8:30 to 10:30. For information call Nancy Macmillan at 795-3655. Admission is \$2.00.

Scottish Country Dancing—On Wednesdays in Dabney Lounge from 8 until 10 P.M. Beginners are welcome and no partners are needed. For more information call David Hills at 354-8741.

Music with James Boyk—Pianist James Boyk gives a performance each Wednesday from 4:30 to 6 P.M. in Dabney Lounge. The performance is open to the public and free of charge. Feel free to come late or leave early. For more information call x6353.

Lectures and Seminars

***Ernest C. Watson Caltech Lecture Series**—Caltech's Professor Brian P. Wernicke will speak on "Southern California's Faults: Lessons from Landers and the Basin Ranges," at 8 P.M. Wednesday April 21. Admission is free. Info: 356-4652 (356-4688 for VTDD).

***"The Holocaust: Implications for Today"**—A lecture by Fred Benjamin, M.E.E., to include what led to the Holocaust, the many parallels in today's America, and whether something remotely like it can happen here. It will take place at 415 S. Hill Street in the garden at 4 P.M. on Thursday, Apr 22. There will be refreshments and an opportunity for questions. This event is sponsored by the Caltech Hillel, the Caltech Y, and many organizations and departments on campus.

FOCAL Luncheon—John Charles Fremont, a colorful and enigmatic figure in the history of the American West, will be the subject of a talk at the annual FOCAL luncheon on April 20 in the Athenaeum. Historian Andrew Rolle will interpret Fremont's career as explorer, general, and politician, based on his new biography. Reception at 11:30 A.M. on the East Patio; luncheon at noon, the Hall of the Associates. Cost: \$20 for FOCAL members and \$22 for non-members. For reservations, call Gloria Thomas at x6411.

Scholarships, Internships & Competitions

***Pre-Med Students**— There will be a presentation on applying to medical school on Monday April 26, 1993, at 5:00, in the Conference Room of the Caltech Health Center. Presentation by Arlene Marx, USC Medical School Director of Admissions, and Dr. Marlene Coleman, USC Medical Student.

The E.T. Bell Undergraduate Mathematics Research Prize—A cash prize of \$500 will be awarded for the best original mathematics paper written by a Caltech junior or senior. Contestants must be nominated by a faculty member familiar with their work. Each student is entitled to only

one entry. All contestants nominated must submit their papers in final form to their faculty sponsors by April 27. A faculty committee will then judge the papers and announce its decision before the end of third term.

The Morgan Ward Competition—Entries for the Morgan Ward Competition, open to freshman and sophomores, should be turned in to the Mathematics Office in 253 Sloan during the fourth week of third term. Info: Given in Events & Notices of April 9, 1993.

For Details on the following announcements contact the Career Development Center, 08 Parsons-Gates, x6361.

Malin Space Science Systems has opportunities for grad students in GPS to participate in the operation of the Mars Observer Camera (MOC) in San Diego between September '93 and September '94.

RAND will be sponsoring interns in a wide range of academic disciplines in its Graduate Student Intern Program this year. They are looking for applications from students who have completed 2-3 years in Ph.D. study and are interested in the analysis of public policy problems.

For information on the following scholarships, please contact the individuals listed at the end of each scholarship.

Mars Institute Student Contest—All high school and college students are eligible to enter the Mars Institute Student Contest. The prize is \$500 and an all-expense paid trip to a Mars-related conference, awarded to the best essay on the years designated topic. This year's topic asks students to discuss the possibility that spacecraft landing and moving about on the surface of the planet Mars could contaminate the surface or atmosphere of that planet, and to propose procedures to prevent it from occurring. Entries to these programs must be received by the Planetary Society no later than May 17. Additional information and application forms may be obtained by writing: The Planetary Society, Scholarships Department, 65 N. Catalina Ave., Pasadena, CA 91106.

Attention Writers!—The Mary A. Earl McKinny Prize is awarded each year for excellence in writing. Only full-time Caltech undergraduates are eligible. Prizes will be awarded in the categories of poetry, prose fiction, and non-fiction essays. All submissions must be typewritten and double spaced. In the poetry category, entrants may submit up to three poems. Submissions of prose fiction should not exceed 12,000 words. Essays may be ones prepared for a humanities class or any good piece of original writing relevant to the humanities. The prize in each category will be \$300. Each student is entitled to only one entry in each category. All contestants must submit their work to Prof. Jenijoy La Belle, Division of Humanities and Social Sciences, 101-40, by no later than 5 P.M. on April 29. No entries will be returned. If you have questions, contact Dr. La Belle, x3605, or Barbara DiPalma, x3609.

SIF Award—Applications are now being accepted for the SIF Award as described in the catalog. This competition is established to pro-

mote excellence in financial research. An application consists of your name, address, phone number, class, and research report of reasonable length. The deadline for applications is May 1, 1993. Entries should be mailed to 142-58. Any questions should be referred to Dave Krider (577-9955).

The Jewish Family and Children's Services announces the availability of financial support for Jewish individuals and their families. Students may apply for aid by mailing the questionnaire to the JFCS office or calling Ted Schrieber at 415 561 1226 to receive an application. There are no deadlines and students may apply throughout the year.

The John Gyles Education Fund is offering financial assistance to students in both Canada and the United States. Effective March 1st selected students will receive up to \$2500.00. Deadlines vary. A minimum GPA of 2.7 is required. For details and an application send a self-addressed, stamped (US \$.29) No. 10 envelope to, The John Gyles Education Fund, Attention: R. James Cogle, Administrator, P.O. Box 4908, 712 Riverside Drive, Fredericton, New Brunswick, Canada E3B 5C4.

For details on the following, please contact the Financial Aid Office

Merit Awards for 1993-1994. Each year, the Faculty Committee on Scholarships and Financial Aid awards a number of Merit Awards to the most academically talented of the Institute's Sophomores and Juniors, and in special circumstances, Freshmen. Merit Awards are based on outstanding scholastic achievement as demonstrated by exceptional performance in formal classes and/or in independent research, and not on financial need. Last year, the Committee recommended a total of 40 Merit Awards. Awards ranged from \$5,000 to full tuition, \$14950. The level of awards this year will be determined by the caliber of the applicants. Applications are available in the Financial Aid Office at 515 S. Wilson. The deadline for submitting completed applications to the Financial Aid Office is 5:00 P.M. on April 30, 1993.

The Eboll of Los Angeles is offering undergraduate scholarships for the 1993-94 school year. The amount of the scholarship is \$3,000 per year paid in monthly checks, September through June. In order to apply, students must be U.S. citizens, L.A. county residents, have at least a 3.25 GPA, and be attending an approved college in Los Angeles County. L.A. county residence may be proven by in-school attendance. All applications and materials are due in the Financial Aid Office by 5 P.M. May 14, 1993.

The Society of Women Engineers announces its 1993-94 Freshman and Reentry Scholarship Programs. This year they are seeking applicants for eight scholarships totaling \$9000. Applications, including supportive materials, must be postmarked on or before May 15, 1993. More info is available in the Financial Aid Office.

The 1993 Society of Consumer Affairs Professionals in Business (SOCAP) applications are now available. Individuals planning to work in business, academic, government, or media positions are encouraged to apply. Completed applications must be received by July 1, 1993.



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