A tongue of flame erupts from a broken gas main beneath a flooded Balboa Blvd. after Monday's 8.6 quake.

Earthquake!

by Laurent Studler
and Mike Benedetti

A powerful earthquake struck the Los Angeles area at 4:31 A.M. last Monday morning. Thus far, the quake, measured at 6.6 on the Richter scale, has caused 46 deaths and an estimated $15 billion in damages.

Forty-thousand people are without water due to the quake, and another twenty-thousand without housing. In addition, quake damage has forced the closing of 18 freeways, some of which will take 6 months or more to be repaired.

Pasadena was relatively undamaged in the wake of the quake. Other locales were not as lucky. Fallen building marquees, cracked roads, and broken water mains were a common sight around L.A. on Monday morning. In the area of Balboa street, a broken gas line caught fire, producing an eighty-foot jet of flame that burned nearby houses to their foundations. A broken water main flooded the street, reducing the flame jet to 25 feet for most of the day, and washing away several cars.

The fragility of mobile homes made them especially vulnerable to the effects of the quake. Without a strong foundation, many homes were displaced six or more feet by the quake, severing their natural gas lines. One stray spark was enough to cause many mobile home parks to become raging infernos. "There isn't enough water pressure here" said a fire fighter at the Oakridge Mobile Park, "and we can only lay 75 hoses." Firemen were unable to use larger hoses because the fire hydrants serving the park were too far from the fire.

Nearby breaches in the water mains may have contributed to the low water pressure.

Reverend Lawson recalls King for small audience

by Zackery Dow Berger

"Whenever the nation has made steps forward in justice . . . it's not the White House, the Congress or multinational corporations that have affected these changes, "but the thousands of ordinary people."

Reverend James Lawson, Jr., made this conventional but worth-while claim in his Monday afternoon talk at the Beckman Institute auditorium. The talk, in commemoration of the birthday of Dr. Martin Luther King, Jr., had as its ostensible title "Where Do We Go From Here: Chaos or Community." But Lawson's talk belied this title, being not so much prophetic as nostalgic, not so much practical as spiritual and philosophical.

"The nations and the corporations of the world," argued Lawson, a third-generation Methodist minister and one of the most influential of the civil rights leaders, "cannot be expected to have been trite. Thus supported, however, King's words lived.

Therefore, Lawson's own interpretation of King's speeches and driving philosophies was most welcome: In these days of extremism and victims' one-ups-man-ship, said Lawson, we should remember that "King's victories were not victories for blacks or against white people . . . they were victories for people."
Editorial

Big T fee increase needed by Christy Esau

One of the bylaw changes you will be considering on Monday would raise the Big T fees from $10 to $12.50 a term. This increase would take effect next year.

As an editor of the Big T for two years and an current business manager, I urge everyone to vote "yes" on this change. The Big T has found it increasingly difficult to publish a respectable yearbook with the revenue it currently receives. It has simply been unable to keep up with inflation. For this year's book, the editors (I, Karen Shih, and Nestor Ocampo) have been forced to reduce the total number of pages in the book. This means a smaller seniors section, and two fewer pages for each House. Given that this is the first time an increase in Big T fees has been proposed since I have worked on the yearbook, I am solidly behind it.

I would like to encourage the students to support the yearbook increase. It is the best way to ensure that the Big T can continue to provide a good overview of the year to the students, and that the yearbook can continue to be a high-quality product that the students will be proud to have in their yearbook collection.

I believe that this is a fair and necessary increase, and I urge you to support it.
The California Tech

United States

Middle East peace talks resume on January 24 in Washington. The focus of the talks will be on the resolution on the conflict between Israel and Syria. Syria wants Israel to withdraw from Golan Heights. On January 14, 1994, an official agreement was made by Russia and the United States to stop aiming missiles at each other's cities.

Scientists confirmed on January 13 that repairs on the Hubble Telescope were a complete success. Defense Secretary Aspin moves to open many military jobs to women. Fifteen thousand to twenty thousand jobs may be opened.

Southern California suffered a 6.6 earthquake on Monday morning. A series of aftershocks have been felt throughout the week. Many are displaced from their homes. President Clinton visited Los Angeles on Wednesday to assess the damage.

On January 14 the UN confirmed that government forces have seriously curtailed the hold Croatian forces had in central Bosnia. However, Serbian forces claimed to have breached crucial lines of the Bosnian Army near Olovo. Bosnian forces deny these claims.

Italy

Italy’s Prime Minister, Carlo Azeglio Ciampi, resigned on January 13. This resignation provides Italy with the opportunity to purge the country’s political elite—the Christian Democrats. The Prime Minister’s resignation follows scandals in the government involving bribes for government contracts.

Russia

The architect of Russia’s market reforms, Yegor Gaidar, resigned on January 16 from Yeltsin’s government. Another reformer, Boris Yeltsin, may also quit. The new cabinet might become more socialist-oriented which would be a major blow to Clinton’s hopes of a reformed Russia. Russian government officials claimed that Gaidar’s resignation will not deter the government’s commitment to reforms. Ultranationalist Vladimir Zheltnovsky has severely undermined his credibility in a series of senseless brawls to blatant threats to his fellow lawmakers. Reformists are pleased and anticipate that the public who voted him into power will soon lose confidence in him.

Foreign Minister Kozyrev said on January 18 that some Russian troops should remain in the former Soviet republics. Estonia and Latvia fear this development might mean that Yeltsin does not intend to keep his promise to remove the remaining 20,000 former Soviet troops from the Baltic nations. However, a Foreign Ministry spokeswoman claims that troops will remain only in those regions where they are permitted to stay.

Somalia

Mogadishu’s warring clans signed a peace agreement on January 16. However, the two warlords who lead the opposing factions were not present at the three day conference.

Haiti

Exiled Haitian President Jean-Bertrand Aristide hopes to resume his presidency on February 7. This weekend, in a weekend conference in Miami, the president asked for world support in tightening an oil and arms embargo and made plans for his return to his country.

Mexico

Mexican President Salinas announced a unilateral cease-fire and called a special session of the Mexican Congress in order to discuss plans for a general amnesty.

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World News

by Connie Chang

Ukraine

Criminals separatists who advocate independence or rejoining Russia obtained 73% of the votes in their first presidential elections. This could derail the nuclear disarmament pact with the United States and strain Russian-Ukrainian relations.

Russia

The architect of Russia’s market reforms, Yegor Gaidar, resigned on January 16 from Yeltsin’s government. Another reformer, Boris Yeltsin, may also quit. The new cabinet might become more socialist-oriented which would be a major blow to Clinton’s hopes of a reformed Russia. Russian government officials claimed that Gaidar’s resignation will not deter the government’s commitment to reforms. Ultranationalist Vladimir Zheltnovsky has severely undermined his credibility in a series of senseless brawls to blatant threats to his fellow lawmakers. Reformists are pleased and anticipate that the public who voted him into power will soon lose confidence in him.

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CETF sponsors paper recycling talk
by Mitra Hartmann

At noon on Wednesday, January 26th, Y.P. Fang, technical director at the Simpson Paper Company, will describe the paper recycling process. The talk will be held in Judgey Library, room 110.Baxter Hall.

Lunch will be served in a firstcome-first-serve basis.

This is an excellent opportunity for you to ask questions about how paper is recycled. Both technical issues and economic and distribution issues will be addressed. Why is, for example, recycled paper still costs more than un-used paper? What can be done at the local level to change the econom­ies of recycled paper use?

Drilling reveals Mauna Kea’s secrets
by Caltech Public Relations

A scientific drilling project bor­ ing through the surface lava of Mauna Loa and into the older, buried lava flows has turned up such unexpected findings as a deposit of lignite sediment and coral, and a remarkable rate of lava flow in the last dozen millennia than was expected at the site. The pilot hole now be­ ing drilled as part of the project’s first phase had reached a depth of 2800 feet on December 3.

In the first surprise finding, samples from deep underground revealed that a thick deposit of coral reef sediments lies be­neath the Mauna Loa lava flow upon which the city of Hilo is built. Scientists generally believe that coral reefs do not form on the flanks of Hawaiian volca­noes until they are extinct, but Mauna Loa is far from extinct.

The second remarkable discov­ery is that lava flows at the site hav’en occurred nearly as often as scientists thought. The rate of lava flow at the drilling site is very thick, about 100 feet, and is about 1,200 years. The rate of lava flow in the coral layer is another thick lava flow, which from the geologic rela­tions must be at least 12,000 years old. This means that only once in the last 12,000 years has lava from Mauna Loa reached the east side of Hilo. This finding surprised the scientists, but is sure to warm the hearts of Hilo residents.

The larger objective of the Ha­waii Scientific Drilling Project, this activity is focused, is to drill through and bring up samples of the entire depth of Mauna Kea, in order to study the solidified lava flows that formed during the volcano’s active life time. Scientists hope to gain clues from the rock about how deep the earth produces these huge volca­noes, whether the oceans and volcanic growth and models of surface structures are correct, and maybe even elucidate the prehistoric times. Although differ­ent kinds of volcanic rocks look much the same to the untrained eye, they can be distinguished in prehistoric times. These subtle changes in the lava’s chemical makeup, the minerals it contains, and the complex composition of its chemical elements.

Funded mainly through a grant from the National Science Foun­dation, the project is led by principal investigators Don DePaolo of the University of California, Berke­ley, Edward Stolper of Caltech, and Don Thomas of the University of Hawai­i, Manoa.

The scientists chose to study the volcanic deposits of Mauna Kea, for the feet-high summit is the home of some of the best astronomical observatories on Earth, and includes all of the Mauna Loa’s major development­al stages. The individual layers were preserved in the ancient lava that lies below the surface. The drilling site is located in the city of Hilo, some 30 miles distant from Mauna Kea’s summit, just to the east of the center of town and within about 100yards of the shoreline. The bright orange drill rig and its 38-foot-high der­rick can be seen from the air on approach to Hilo Airport, in a wooded area between the runway and the shore.

Because the whole all the way through Mauna Kea would be very costly, and because drilling condi­tions are poorly known, the first stage of the project is the pilot hole now underway, which aims to reach a depth of 1,000 meters (3280 feet). Ultimately, the scientists want to drill to a depth of about 6,000 meters (almost 20,000 feet), or slightly more than the depth of the ocean near Hawaii. At this depth, lava is expected to be found in the bottom of the fairly young, 600,000-year-old volcano into the ancient, 50,000-year-old sea­ floor underneath, the foundation upon which the Hawaiian Islands are built. The drilling work, by the Tokyo Drilling Company of Salt Lake City, started October 25 and should continue until early De­cember.

The Big Island of Hawai­i consists of five different volcanic cones, of which are historically ac­tive—Kilauea, Mauna Loa, and Huamalai. The two other—Kohala and Mauna Kea—have not been active in historical times. The lava flows of the different volcanoes overlap and interleave as the vol­canoes grow, and older volcanoesэ age. It would be expected that the lava from younger volcanoes. Hilo, and the drilling site, are located on or above part of an older volcano. But geologic models of the island’s growth indicate that the Mauna Loa lava under Hilo should be a comparatively thin layer, little more than 800 feet thick, and that below them lie some 10,000 feet of Mauna Kea’s lava.

The drilling is being done using diamond-bit boring techniques.

The drill is made up of hollow steel pipe about 4 to 5 inches in diam­eter, with the “drill bit,” a ring of diamonds ground on the tung­sten carbide, at the end. As the drill pipe turns, the diamonds wear away the rock and move it out. As the drill bit cuts downward, a solid cylinder of rock about 3 inches in diameter moves into the “cone barrel,” a steel pipe about 3 inches in diameter that fits inside the drill pipe. When VOLCANO, page 5

Caltech SEDS proposes $4M satellite
by Ben McCall

Caltech SEDS (Students for the Exploration and Development of Space) has begun work on an am­bitious proposal to launch a small satellite into orbit to study tectonic plate behavior, and might be useful for plotting. Another experiment under development, referred to as the “flying football,” would jettison from the International Space Station and land safely on Earth, while collecting data about its descent.

The deadline for submission of this proposal currently stands at March 3rd, which leaves little time.

Caltech SEDS would like to solicit assistance from any interested on parties, especially professors, re­search fellows, and undergradu­ates. If you are interested in work­ing on or advising the Caltech SEDS satellite team, please con­tact me, Ben McCall, at bmcall@ecorx.com. Everyone is also invited to our next general SEDS meeting (Monday at 7:20 in 110.Baxter Hall), at which this proposal will be discussed. Please note that you don’t need any expe­rience with space projects or get­ting the specific experiments to be of assistance.

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We’re always looking for more help filling the TECH each week. Whether it’s a one-time sports article, an entertain­ment review, or news about your club, we are grateful for all of your submissions. Submit copy by e-mail to editors@tech, to the box outside SAC on 3.45. Macintosh disk (Microsoft Word), or as hardcopy. Come to our weekly meeting today in the Coffeehouse to learn more.

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SIMPSON PAPER COMPANY
will speak on
PAPER RECYCLING TECHNOLOGY
NOON, WEDNESDAY, 26 January 1994
JUDY LIBRARY, BAXTER HALL
LUNCH WILL BE PROVIDED ON A FIRST-COME-FIRST-SERVE BASIS
Sponsored by the Caltech Environmental Task Force, CETF

PAPER RECYCLING TECHNOLOGY
by Ben McCall

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Bridge Without Sam
by Jeff Goldsmith

Unlucky Seed

Large knockout tournaments are usually seeded either completely or at least halfway. Probably the worst seed is number 16. It has to play the 17th seed in the round of 32, presumably an even match. In the round of 16, if worse, they have to play the number one seed. In bracketed knockout events, often a cut is made between 16 and 17, so the sixteenth seed, in theory, is the weakest team in its event.

Playing in the Spingold Master Knockout Teams with a pickup team, we are the 14th seed and draw a head-to-head match against the 15th seed, a team of well-known experts plus a client. After the first half, amazingly, we are ahead by 44 IMPs, but the client is out for the evening, so we have to hold against on two very strong pairs. The match has gone almost as expected, so we are in almost a dead heat going into the last board, when I hold

| ♠ K32 | ∆ AC64 | AQ3 | ♠ K76 |

With neither side vulnerable, my partner deals and opens 3♠. Recently, for some reason, he has taken to making preempts with terrible suits and some side strength. This I can handle, but he’s been preemping with normal preempts, too. My reaction has been to partner my low bid, and a great RHO, which I think will make a win. I call without pause for thought. doubles this and the other two players pass. LHO has been doubling my partner all day in freely bid 3NT contracts, and every time the contract has gone down. This time, I intend to teach him a lesson, so I bid 4♠. RHO also doubles and LHO passes on the 4♠.

Dummys is a little surprising and not a welcome sight:

| ♠ A10 | O ♠ Q652 | B ♠ 742 | H ♠ 102 |
| ♦ K32 | B ♦ AC64 | H ♦ AQ3 | ♦ K76 |

I guess I am unable to take a joke. I have only eight tricks on top of and a diamond finesse for nine. I very much doubt that it will work. Furthermore, going down in 3NT redoubled cannot be a good result, so I am worried about the state of the match.

RHO owns three diamond suit, the Queen and Jack and must win. I have no alternative but to run the hearts. The dummy started with the singleton ♠J, and pitches the ♦A on the second round. They play the ♦K and ♦Q. LHO is holding ♠A, ♠Q, ♦K and ♦Q, and pitches ♦Q on the third round. They play ♦K and ♦Q. LHO is holding ♠A, ♠Q, ♦K and ♦Q, and pitches ♦Q. At the other table, my teammates led a diamond against the ♦A, and I have ♦Q and ♦K in dummy. I must run.
Vote Angus Young for ASCIT President!

Angus Young, True American
ASCIT was founded on a tradition of fine musicianship. However, in recent years, this tradition has begun to fade. ASCIT, to be blunt, has fallen into shambles.

Angus Young plans to change all that. Mr. Young was a founding member of the seminal rock and roll ensemble AC/DC, and has been certified as a Guitar God by a no less an authority than Pope John Paul II.

Angus vows to make ASCIT more responsive to the needs of the Caltech undergraduate community. He will make friends with the Administration. He will symbolize Truth. Honor. Innovation. He will, in short, be a walking civics textbook.

Angus Young, guitar legend
Angus promises many things, but you can be sure he will deliver. After all, this is the man who co-wrote such memorable tunes as “Highway to Hell”, “Dirty Deeds Done Dirt Cheap”, and “My Baby Is A Responsible Student Leader.”

Won't you join Angus Young in remaking ASCIT? Won't you

Write in ANGUS—ASCIT Prez

Angus Young, your next ASCIT President
The excitement and spectacle of the ranked-preferential voting system

by David B. Derkits

The ranked-preferential system, which was approved in June 1993 as a bylaw amendment, was designed to make the election process more efficient and accurate. The old system relied on initial elections followed by runoffs, when necessary, between the top candidates. The preferential system incorporates the runoffs into the initial election by allowing the voter to rank the candidates for a given office in the order he prefers. It was used successfully in the previous class officers election. A sample ballot for one office is shown. On the right is the list of nominated candidates for the office; each is represented by a letter. The voter can choose from the list of candidates and enter the appropriate letter, write in another individual, or vote “NO.” He may also abstain, but all blanks after an abstention should remain blank. In general, “NO” is used when the voter believes that none of the listed candidates is worthy of the office. For the second and lower ranks, the “NO” vote and write-ins are not allowed. The remaining nominated candidates should be ranked (by their letters) in the preferred order. No candidate may be ranked twice or equally with another candidate. The voter may abstain at any rank level, but all lower ranks should be left blank. The counting for each office proceeds as follows. All of the ballots are sorted and distributed according to first rank votes. If “NO” receives more votes than each and every candidate, there will be a vacancy in that office. If not, the “NO” ballots are redistributed according to the second rank. If a candidate now has a majority of all non-abstaining votes, he wins. If not, the ballots for the candidate with the fewest votes are redistributed according to the candidates ranked next. This process continues, eliminating one candidate at a time, until a candidate wins with a majority of votes. This is the general idea behind the count process; a more detailed description can be found in Article VIII of the ASCIT Bylaws (check the little i). Although it looks a little complicated, this voting system is actually quite straightforward, at least from the voter’s point of view. And at Caltech, with our small student body, your vote does count. In the elections for 16 offices in 1993, there were three ties. These are cases in which one extra voter could have changed the outcome of the election. So take the time to look over the candidates’ statements, and make sure you vote on Monday, because—as we’ll see again this year—your vote will make a difference.

ASCIT presidential election information

by David B. Derkits

The ASCIT Presidential Election will be held this Monday, January 24, 1994, from 10:00 a.m. until 10:00 p.m. The candidates for the three ASCIT offices are:

President
Angie Marie Bealke
Christopher DuPuis
Jon McDunn

Vice-President/BOC Chairman
Chris Bryant

Tech Editors
Cherish Bauer
Jeff Denniston
Ken Lee
Tom Grundy
Wei-Hwa Huang

Statements from the candidates appear in this issue of the Tech. By unanimous vote, the Board of Directors has approved a third bylaw amendment for vote in this election:

Amendment #3
Fringe Benefits
Add Article V, Section 4:
At the end of their term of office, the officers of the Associated Students of the California Institute of Technology, namely the Board of Directors, the Executive Committee Chairman, the Election Chairman, and the California Tech Editors, shall embark on a sojourn to an island or an island of verdant, rolling hills in the North Atlantic, adjacent to England, to formally terminate their term of office. The excursion must occur during the break between the second and third terms of that academic year, and shall be paid through surplus in the ASCIT budget.

If passed, this amendment shall take effect immediately.

All undergraduates may vote for the Vice-President/BOC Chair, but only ASCIT members may vote for the President, Tech Editors, and the proposed bylaw amendments. If you are an undergraduate, you are an ASCIT member unless you have specifically asked not to be one. Ballot boxes will be available in the lounges of all seven houses. For those who expect to be absent on election day, absentee ballots are available from the ASCIT Election Chairman, David B. Derkits (come by Page 130), and must be turned in by midnight prior to the election. No person may fill out or cast a ballot for another individual. Note that, with last year’s change in the election bylaws, the Ranked Preferential System will be used in this and all future elections; please read the other election article (this page) for important information on this voting procedure. Questions or concerns may be directed to the Election Chairman, David Derkits, at derkits@cco, Page 130, or x1402.

Editor’s note: Matt Metz’s name does not appear on the ballot for ASCIT President, since he apparently failed to nominate himself before the official deadline. We have chosen to print his campaign statement with the others, but this does not imply any recognition by the Election Committee.

ASCIT presidential election information

SAMPLE BALLOT

ASCIT Wethead

1
(1): Candidate, NO, Write-in, or Abstain

Candidates are:

A. Jon Lange
B. Dave Jeitner
C. Q
D. Hoyt Hudson
E. Chthulu

#2-#5: Candidate ONLY, or Abstain

#2: B. Dave Jeitner

#3

#4

#5 (use #5 only if necessary)

The Work Environment

Theirs. Ours.

Oracle Corporation, 500 Oracle Parkway, Redwood Shores, CA 94065. E-mail: lisylna@us.oracle.com / FAX: 415-506-1073 / 415-506-6991

First relational database. First to implement SQL. First portable database software. First database compatible with massively parallel computing. First database to see, we’re also about success.
Angie Marie Bealko

Trust. In my opinion, this word embodies the entire foundation on which all leadership was created. Without trust in our leaders, we accomplish nothing. For this reason, I, Angie Marie Bealko, ask for your support in the upcoming ASCIT Presidential election.

I believe that the key to being a good ASCIT leader is respect. Leadership is respected not only as a strong desire to serve the Caltech community, but also encompassing the respect for which leadership was created. As ASCIT President I represent the undergraduates at the Faculty Board meetings and the Alumni Association. I also represent a representative of your ideas and suggestions. I will be fair and very open minded. I strongly believe that every opinion is valuable and should be heard.

As a member of the ASCIT Board of Directors this past year, I have already asked many of you for your input as to how life at Caltech can be improved. I also worked hard to publish the U.R.O.H. a month earlier than usual so that each of you could pursue research jobs as soon as possible. Presently, I serve as a member of the Caltech Y Excom and as one of the volunteer activity coordinators. In addition, I am the treasurer for the Society of Women Engineers.

As you can see, over the past year and a half I have had the opportunity to experience almost every aspect of various leadership positions. This experience has proved to be extremely valuable to me. Such experience would be an even larger asset for an ASCIT President.

I believe that a good leader does not rule with an iron fist and give orders. A good leader brings out the best in others; listens; and keeps the group as a whole focused and organized. As ASCIT President I want to make this type of leadership a reality. I think Caltech students should heed and have to have a stronger voice in what the future holds for their school. If I am elected I will work hard to make your voices heard and heard.

So as you cast your ballots on Monday, I hope that you put your trust in me and vote for Angie Marie Bealko as your next ASCIT President.

Chris "Codo" DuPuis

When I was just a little lad, my father said to me: "My son, you must always remember that political power grows out of the barrel of a gun." So, I spent the next several years running around on gun barrels so I could grow some. O.K., perhaps that's not strictly true. Or true at all. Anyway, since I didn't feel any great joy at the prospect of voting for the other candidates, I decided that running for the office myself was a much more effective method of expressing my opinion than just voting for Angus. I suppose that I should give a bit of my personal background here, since it seems that candidates for office generally aren't majoring in geology, and I'm just finishing my year as part of the Triumvirate of Tech Editors. I enjoy playing guitar and piano, not well, but with great enthusiasm. I prefer Parliament to Meat Loaf.

Having said this, I just want to add a bit of literacy to my campaign, so, without further ado: We never talk of that poor soul of England. And therefore, being wise, did give herself To her own house, to her own arms. That men are married when they are from home. But till the Duplex, I will keep my state, like a king, and show my will of position. When I was sworn in my throne of France. For that I have laid by my majesty And obligation for working days, but I will rise there with so full a glory That I will decide all the eyes of France. Yes, strike the DuplexView in your mind. —William Shakespeare Henry V, Act I, Scene ii

And finally: "If you think things are bad right now, just wait till I get through with it." —Groucho Marx Duck Soup

Jon McDunn

My name is Jon McDunn and I am running for ASCIT President. I would like to be ASCIT President for many reasons, but to keep your attention, this list is limited to two.

First, I know a lot of students and try to keep up with what is going on in several houses. Because of this, I feel comfortable running for a position where I would be representative of the entire student body.

Second, I think my experiences here have prepared me well for this position. My previous experiences on committees and as an ombudsperson have prepared me for some of the duties of ASCIT President. Namely representing student interest on the SBOF Advisory Council and various Alumni committees. However, this experience is not enough to be my candidacy on the ASCIT President has to take initiative. This can arise in many ways, but the most obvious one: setting up and maintaining dialogues between students and the faculty or administrators, and identifying and addressing problems. I have not had any experience in the former, but I have been a Black House Treasurer and Damage Rep, and as Director for Academic Affairs, I am familiar with taking input from many sources and synthesizing it into a few, feasible recommendations. I also am familiar with which parts of the administration are responsible for which things, and have worked with many offices (Housing, Dining, Registrar's, Student Affairs, Institute Accounts). Putting these things together, I feel confident that I could take any concerns to the appropriate member of the faculty or administration and at least attempt to resolve the issue.

My main goal for ASCIT, if I am elected, is to make the BOD and its pursuits more visible and hopefully more constructive part of undergraduate life.

I hope you strongly consider me as a candidate for ASCIT President and if you have any questions or concerns, please get in touch with me on Monday (5780 or cubbo@psi).

Thank you.

Matt Metz

One of my top priorities if elected to the office of ASCIT President will be to restore the attitude of partnership which used to exist between the Caltech faculty/administration and the students. Recently a decline in some of Caltech's greatest assets has been seen. Professors are losing faith in the Undergraduate honor system, and many undergraduates feel that they are not an important part of their professors' schedules. There is also a growing feeling of antagonism between the students and the administration concerning new policies and old traditions. Working on these problems will be of benefit to the entire Caltech community. I will work to mend the relationship between students and staff at Caltech.

I feel capable of performing the duties of ASCIT President to the advantage of every undergraduate, looking at a new perspective to the student government. Vote Matt Metz for President.

Chris Bryant

The primary duty of the ASCIT Vice-President is to chair the Board of Control. I began serving on the Board of Control at the Ruddock House Representative last year, and since that time I have gained a deep respect for and sense of pride in our Honor System. The Honor System at Caltech is unique and special, nothing else like it exists at any other school. I really think it is something to be proud of that we as students can demonstrate that we have the responsibility to not just govern our own lives, but to govern them fairly and judiciously with a sense of compassion. These are things that I have learned since being a member of the Board. Our Honor System is forever changing—it grows as we grow. We can see this evidenced in how

Matt Metz's statement

Because nobody has stepped forward to assume the mantle of Tech Circulation Manager, we have been forced to thrust the job upon James McLeod, 2. He will begin delivering the Tech this week, pulling the heavy stacks of papers behind him on a sledge as he crawls upon his raw little hands and knees, his bones deformed and stunted by the heavy yoke. Please, help poor little James. Come to the Tech meeting at 12:15 P.M. today and tell us that you'll save this innocent child from such a tragic fate by volunteering for the prestigious and high-paying job of Tech Circulation Manager.
Beavers hopeful despite three losses

by Bryce H. Elliott

Three games into the SCIAC season, the Beavers are still winless, but have made great strides toward ending the conference drought. Caltech was shut out 85-47 during its first outing against Pomona-Pitzer. But the Beavers regrouped at halftime, making the second half exciting. The Beavers had of taking one on the balanced attack of the Leopards, who had six players in double figures as they put the Beavers away 97-68. Two-time All-SCIAC forward George Papa rebounded from a poor first outing to score 24, grab eight boards, and dish out seven assists, while teammates Josh "MJ" Moats and Tsai added 12 and 16, respectively. John "Fump Daddy" Parks cleared the glass nine times to lead Caltech in rebounding.

This Wednesday, the Beavers had a short road trip down the freeway to face the Occidental Tigers and All-American Blair Slattery. Caltech's swarming defense limited Slattery to eight first-half points and the Tigers to just 33, as Tech went into the locker room down only two. After a brief rest, Tsai re-entered the game just before the break, forced two Oxy turnovers, and helped the Beavers cut an eight-point deficit before missing a tough shot to end the half. Parks drew first blood in the second stanza, tying the game on a jump hook over Slattery. Occidental shortly opened up a nine-point lead, which Tech cut into several times, but never could eliminate. With about five minutes left, the Tigers rained down a storm of three-pointers, some shot from as far as 35 feet to end any hopes the Beavers had of pulling off a home court. Papa led all scorers with 23, followed by Moats with 19. Slattery was held to 18, six below his season average, but the Tigers prevailed 76-60.

The next journey into an excitement that is Beaverball will be Saturday night as the University of Redlands Bulldogs come to Braun Center to try their luck against the ever-improving Caltech Beavers. The game starts at 7:30 p.m., but for those of you who just can't get enough, the Justice Vanity game begins at 5:30 p.m.

Cherish Bauer, Jeff Denniston, Ken Lee, Tom Grundy, and Wei-Hwa Huang

Preparing and publishing a regularly printed newspaper, no matter what its size, is without a doubt a task requiring dedication, spirit, and pride in a job well done. All of these qualities, and more, can be found in every member of the team which would like to announce its candidacy for the editorial position of The California Tech. The team is comprised of Jeff Denniston, an upperclassman with a year of experience working on the Tech staff, along with Cherish Bauer, Ken Lee, Tom Grundy, and Wei-Hwa Huang, all incoming freshmen with various levels and types of literary and administrative experience. This editorial staff promises to be a new and innovative one, with plenty of enthusiasm, experience, pride, and dedication to offer. Each of these students has been chosen after months of reviewing their qualifications and their prospects in some way, whether as a contributing journalist, a layout planner, or an active member of the editorial staff. Now the opportunity has arisen to let this team benefit Caltech as well.

Momo Jeng, Momo Jeng, Momo Jeng, Momo Jeng, and Momo Jeng

My name is Momo Jeng. My favorite track from Abbeg Road is "Something." It has beautiful bass line, and the singing is great.

These and other messages are for the Class of 1994.
King

Baptist. King had turned 28. Just as his career was beginning, Caltech decided to ask him to speak here in Pasadena. He was the age of most graduate students at the Institute, barely 29, when he arrived on Tuesday the 25th, he gave a speech in Dabney Hall. That night, the only two Negroes in the audience were Lee F. Brown and his wife. "We must have active commitment rather than mere academic acceptance if we are to solve the racial problems that face Americans today," Dr. King stated. "There are challenges to be met if the new order is to survive. The first is to rise above the narrow confines of individual concerns to the broad concerns of humanity."

That Wednesday and Thursday, Dr. King ate dinner in the Houses and spoke to undergraduates. He had an opportunity to see how they channelled their creativity. "There are four things that the Caltech student could do to help the racial situation," King began in an interview with the California Tech that year. "He should seek to give impetus to movements and to political leaders. He should seek to solve local problems. He should give support, both moral and financial, to freedom fighters everywhere. And finally, he should help to educate himself and others. Very few people are totally free of misconceptions about Negroes."

These words were spoken almost 26 years ago. Many professors, students, and faculty like to conjecture on what Dr. King would have wanted if he were alive today. We need not speculate anymore, for he has told us. We should support the offices on this campus that support cultural awareness. Let us not forget that the Caltech ADs are the "Leaders of America," and it has the vision to continue to create programs that are equally important. At the very least, we should educate ourselves in fields other than science and mathematics. Even the brilliant Caltech student can stand to learn about someone who pleaded a quarter of a century ago that we make a difference in others' lives. Celebrating King's birthday through a recess of classes is more than a vacation; it is a celebration of human everywhere.

Volcano

is reflected in the drill core by alternating sections of submarine and subaerial lava. In addition to the National Science Foundation, the U.S. Geological Survey and the Department of Energy are also supporting this project through the Interagency Coordinating Group that oversees large projects of this sort for the three agencies. Scientists from the U.S. Geological Survey and several other universities in the United States, France, and Germany, will be involved in analyzing the lava samples and the data from the project.
The next film to be back
The Pennsylvania State
pressed memories of childhood
surfacing with increasing regularity in therapy
Caltech, MC27-58,
children
Dr. Linda
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False
Attention
ary 27, 6:30
learn
it to appear. We're sorry, but pbotos
Hofmeister x4413 for further info.
For Information, please contact Sharr End
1993
1994. Announcements of successful candidats
will be made in the spring of 1994.
The Glamour Magazine Top Ten College Women
Competition has begun. The competition
in all areas of the visual and fine arts
media and is open at no cost to all students from all libraries.
The College Women's Scholarship Foundation
is offering scholarships for the 1994-95 academic year. Applicants must be full-time students and have a GPA of 3.0 or above. To apply, please submit a one-page narrative of your plans in that program by February 1994, must be recommended by 10 or her department
head, and have a minimum cumulative
You can begin early to prepare
The College Women's Club of Pasadena is offering scholarships for the 1994-95 academic year. Applicants must be full-time students and have a GPA of 3.0 or above. To apply, please submit a one-page narrative of your plans in that program by February 1994.