Music Groups Perform at Intercollegiate Festivals

Fluid Dynamics and Out of Context

By Rick Paul

Staff Writer

Approximately two hundred people packed into in Dabney Hall on the Caltech campus last Saturday to listen to a cappella performances of over two dozen hits celebrating (and denigrating) love in all its varied guises. Some of the performances included Kelly Clarkson’s “My Life Would Suck Without You,” Duffy’s “ Mercy,” and a mashup of Taylor Swift’s “Love Story,” Emcees, Shyam Srinivasan and Kenzie Day, offered the audience a wide variety of music from couples in their sixties to twenty-ties.

Caltech’s own Fluid Dynamics and Out of Context hosted the festival, which is in its thirteenth year. The student-run music festival was begun by Out of Context (OoC) in 1997, but has in recent years been a joint project of OoC and Fluid Dynamics. Seven groups from four different schools in the area attended the concert. In addition to OoC and FD, the other groups included the Shades and Aca-soul from Claremont, VPR and Midnight Echo from California State University Northridge, and the Trojan Men from USC. Andy Matschak, the director of Fluid Dynamics, observed that attendance at a cappella events has steadily increased over the past few years due to the efforts of both OoC and FD to raise the profile of the cappella community. “We [Fluid Dynamics] have been holding short impromptu concerts on a month to appeal to those students on campus who don’t necessarily feel like sitting through a two hour concert.”

Although a number of the sixteen student groups in FD have been singing their entire lives, there is also a fair share who began singing once they came to Caltech. “It is exciting to see singers with such a diversity of backgrounds work together to make great music,” said Matschak. The highlight of the event for sophomore Timothy Wu of FD was singing “Accidentally in Love” by the Counting Crows for which he was recently won the best soloist award at USC’s a cappella festival, Absolut. OoC also competed at the International Championship of A Cappella, a prestigious event in the world of intercollegiate cappella. Although they didn’t win the competition, OoC members enjoyed the opportunity to learn from some of the top groups in collegiate cappella.

Glee Club

By Yang Hu

Staff Writer

On Saturday, February 27, Caltech Glee Club directed by Nancy Sullivan traveled to Cal Lutheran University to participate in the annual Pacific South-west Intercollegiate Choral Association (PSICA) Festival. Twelve universities were a part of this event, including Occidental, USC, CLU, Pomona, Loyola Marymount, and a handful of Cal State Colleges. Twenty-two members attended the Master Class taught by Richard Sparks, Director of the University of North Texas and adjudicator of the Festival. The Master Class consisted of a lesson given by Dr. Sparks to an ad hoc as-sortment of singers from these colleges followed by a rehearsal of a chorale piece by the diverse group.

Several hundred people ranging from college students to elderly attending the Festival. Altogether 70 members of Caltech’s Glee Club participated. By tradi- tion, numbers were picked out of a hat. Member Jennifer Greco drew the number for Caltech Glee Club, which performed fifth. While festival attendees were obliged to sit on the floor, Caltech Glee Club received a standing ovation at the end.

Undergraduates Win $51,000 For Patentable Ideas

By Sarah Marzen

Staff Writer

Last month, junior Casey Glick won first place in Caltech’s first Intellectual Ventures competition for his microelectronic uni-versal logic gate, netting a cool $35,000 dollars in the process. Three other undergraduates also won thousands of dollars for their inventions: junior Dan- nel Eremenko won second place and $10,000 for his new captchad design; senior Tanus Araz won third place and $5,000 for his multi-touch eye-tracking interface between humans and computers; and junior Cole Hershowitz won fourth place and $1,000 for his small-scale “micro-grid” that could provide power more efficiently and Che-nerally to the rural developing world.

“We [the competition judges and organizers] were really impressed,” said Karin Edmonds, Caltech’s Director for Technolgy Transfer and organizer of the Intellectual Ventures competition. “Intellectual Ventures appreciated the amazing under-graduate presentations_, and the best undergraduate teams didn’t even have a dry run for their presen-tations.

Caltech’s Technology Transfer office also filed provisional pat-ents for every student that entered the Intellectual Ventures competition, granting each student a low-cost, year-long period intellectual property protection. This year’s Intellectual Ven-tures competition may be the first of its kind, giving students an opportunity to make some cash. Intellectual Ventures had to dish out $51,000 for student ideas that may or may not be patentable. “I think they [Intellectual Ventures] were happy with the results... but it’s expensive and the economy isn’t great,” said Edmonds.

If any of the undergraduate ideas are marketable, then Intellectual Ventures’ economic gamble will have paid off. In order to enter the Intellectual Ventures competition, students agreed to give half of future profits to Caltech and to give Intellectual Ventures the option to license before negotiating with any other party. In return, Caltech promised to provide legal protection and guidance through the thorny patent application pro cess. Typically, Caltech doesn’t own an undergraduate invention unless it’s developed on Caltech’s dime.

Some students disliked the idea of sharing future royalties. One undergraduate sent an email that said, “I don’t think it’s fair you’re taking undergraduate ideas.” In fact, the second place winner almost didn’t enter the competition.

“First, I wasn’t going to enter it because I heard it was a scam,” said Edmonds. “Then I realized the protection would be worth a large percentage of the royalties.”

This is probably the best chance for undergraduates to generate money from their idea,” said Edmonds, noting that less than 1% of all patents generate revenue. Edmonds also added that Caltech could support start-ups if undergraduates didn’t suc cessfully obtain a patent.

Glick has a different take on the benefits of legal guidance. “Have you seen the book of U.S. patent law? It’s really thick,” said. So far, Glick has had to pay more attention to the legal is sues involved with patents than any other winner. Glick’s inven tion was generated in the lab of Weijia Wen from Hong Kong University of Science and Technology (HKUST), but at present, HKUST has ambiguous rights to Glick’s microelectronic universal logic gate. Regardless, he plans to continue researching his logic gate at HKUST this summer.

Please see PATENTABLE IDEAS, Page 6

Stephen Hawking Lecture Canceled for 2010

By Perrin Considine

Staff Writer

Stephen Hawking’s annual physics lecture at Caltech has been canceled this year, due to illness. Hawking, a world-famous physicist, spends most of the year working in Cambridge, England, but he is also Caltech’s Sherman Fairchild Distinguished Scholar. He pays a trip to Caltech every year to give lectures on-campus in Beckman and Ramo Auditoriums, and off-campus at the Pasadena Convention Center.

Hawking, 68, was scheduled to give a Jan 21 lecture at Caltech, but according to his friend and colleague Kip Thorne, who corresponded with The Tech via email, "[Hawking] contracted a chest infection in December, and on the advice of his doctors he cancelled his January visit, though he was well enough to continue going into the office regularly and continue his work.”

There was talk of rescheduling Hawking’s visit to March, but Hawking emailed Thorne, telling him that it was impossible. Hawking wrote, "I hope however that you will invite me again next year and this time I will be able to come." 3

Stephen Hawking, is renown throughout the world for his contributions to physics. He focuses on space, time, black holes, and gravity. Hawking has also published a number of best-seller books about the universe, including A Brief History of Time.

His many discoveries have been made while under an almost full-body paralysis which onset at age 25, caused by amyotrophic lateral sclerosis (ALS). Hawking has composed his Caltech lectures using a computer (made for him by Intel), which allows him to use his cheek muscles to select letters and words, and speak them for him with an automated voice. He is expected to continue his lectures at Caltech next year.

Please see FESTIVALS, Page 6

Student-invented Sport Featured in ESPN The Magazine

By Staff Writer

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Nearby Dentistry: Not to be Trusted

By Tina Ding
Editor-in-Chief

Caltech offers a dental plan that many students have enrolled in. Though it isn't exactly the closest dentistry to our campus, Green Street Dental, located at 1092 E. Green St. between two other coffee shops and a pastry shop, is a horrible choice. Bewared that if you go, you might be advised or pressured into getting a dental crown even if you definitely don't need one.

I have a history of having unkind teeth. They like to form cavities, and eating candy and fruits all the time probably exacerbates the situation. About seven years ago, I've been leaving the dentist office every year with having to pay a number dropped to one cavity. I was on the way to clean and healthy teeth. So imagine my shock when I went to the Green Street Dental tooth two weeks ago to get my annual checkup, where they told me that I have four cavities, one of which they claim has a false bottom. I need to have a crown re-placed and placed. There is cavity forming between the filling and the top of my teeth near the gum, they said. You need to pay the crown, and procedure, did you think of the good news. After removing the filling, I told my roommate I was born...conceptions to save my teeth from eventually being completely replaced by artificial fillings, if I keep going at this three cavities per year rate.

Sure enough, flossing made my teeth better, and my annual number dropped to one cavity. I was on the way to clean and healthy teeth. So imagine my shock when I went to the Green Street Dental tooth two weeks ago to get my annual checkup, where they told me that I have four cavities, one of which they claim has a false bottom. I need to have a crown re-placed and placed. There is cavity forming between the filling and the top of my teeth near the gum, they said. You need to pay the crown, and procedure, did you think of the good news. After removing the filling, I told my roommate I was born...conclusions to save my teeth from eventually being completely replaced by artificial fillings, if I keep going at this three cavities per year rate.

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I drove an hour home to my dentist last Friday afternoon. He used his dentist utensils and did some examinations on my teeth, before putting down and telling me, “No problems this year, but you grind your teeth at night and need a mouthguard.”

I told him about my previous consultation, and asked him five times if he’s sure I’m completely fine. “not even ONE!” I said almost hopefully. It was definitely strange to go from needing four cavity fillings including a painful expensive procedure, to none at all. He told me that the other dentist said needs a crown has no cavities forming on the top, and that as long as my tooth doesn’t hurt, there’s no need to get rid of the natural tooth. Of course, if it is a matter of who to believe, he who knows and fixed all my teeth is the one to trust. Completely shocked but nevertheless ecstatic at this new information, I told my roommate of the good news. After confirming the name and location of the dentistry that tried to screw me over, she recounts a similar story just as ridiculous. Dona went to the same Dr. EvilTricks at Green Street Dental a month ago after chipping a small piece of her tooth. Dr. EvilTricks must realize that doing crowns is the way to earn money, because apparently a chipped tooth needs a crown too. He refused to give her resin, which is a simple procedure for filling chipped tooth, saying that if he does, the repaired chip will fall off in a month or less. She marched over to another dentist nearby, who happily mended the chipped tooth with resin (20% of the cost of the crown) and even gave her chocolate. Now, almost two months later, the tooth is perfectly fine.

If you’re enrolled in the Caltech dental plan, think twice before agreeing to undergo more than ordinary procedures. The Caltech Human Resource receives complaints and provides a list of ill-rated dentistry. It may be wise to consult them.

Letters to the Editor

Re: “Tales of Caltech” - Humor section, March 1st Issue

To the Editor,

Our program is deeply offended by this attempted job. Because it's a pleasure to talk about the activities at true student-athletes who are committed to a genuine environment team? Is it enjoyable to make a mockery of one of the more popular spectator sports on campus? Because a group of mostly freshman athletes, we didn’t want to win a game against legitimate competitors?

Shame on the Tech for creating — and printing — something that seeks to make a joke about a serious activity, no matter how it’s done. It seems I guessed incorrectly.

My piece was not intended as a jab against you or any of the players or coaches in your program, or your program in general. I picked your team exactly because you are one of the most popular teams at the school. And I wrote the article not to make fun of your team, but rather to bring the general atmosphere of losing in Caltech athletics to light, with the hope that it will change. It is fantastic that so many records were set this season, and I agree that it is a shame that no serious reporting was done on this. However, individual records do not make it any easier to be a fan when the team does not win. I wish that the program were successful, and that the campus could rally around it. However, until that day comes (and I believe it will come before this group of freshmen graduates), humor (or offensive, and ultimately I decided on the former. It seemed I guessed incorrectly.

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I wholeheartedly apologize to you and the Caltech basketball team for my “article” in last week’s California Tech. Please believe me that when writing it, I strongly considered whether the members of the team would find it funny or offensive, and ultimately I decided on the former. It seems I guessed incorrectly.

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Corrections

Our previous article “Coffeehouse Employees Quit” named the supervisor as John-Michael and a student worker as Sylvia Puglisa. Their correct spellings are Jon-Michael and Sylvia Puglisa, respectively.
ASCIT Board of Directors Meeting – Minutes  
March 3, 2010

Officers Present: Adam Khan, Karthik Sarma, Tim Black, Brian Merlob, Chris Hallacy, Addie Rice, Laura Conwill

Call to order: 4:06 PM

Funding Requests:
- **Multihouse Funding:** Ricketts has asked for multihouse funding for a barbeque at Dabney this weekend.
- **Blacker Interhouse:** Blacker is requesting its Interhouse funding. This will come out of next term’s budget. **VOTE:** Approved (6-0-0)

President’s Report:
- **Career Development Center:** Karthik and Adam are putting together a committee of 2-3 students who are going to interview the candidates for assistant director and premed advisor.
- **Chile Earthquake Fundraiser:** Adam was approached by a student in Blacker who was interested in doing fundraising for the earthquake; he is going to look into fundraising methods.

Officer Reports:
- **V.P. of Academic Affairs (ARC Chair):** Signups are going up in a couple of days for ARC Secretary and Rep-at-Large.
- **V.P. of Nonacademic Affairs (IHC Chair):** The rotation committee is going to give its report to Anneila Sargent on Monday. The PFW Saturday schedule is coming together and is currently up at ihc.caltech.edu/saturday/. There was an issue with damage to Avery; this has been resolved.
- **Treasurer:** Karthik gave Hallacy a receipt. Hallacy deposited a lot of checks.
- **Social Director:** Addie has been working on planning PFW and the ASCIT movie.
- **Operations Director:** Brian is dealing with Big T stuff. He contacted 2007 presidents from Dabney and Ricketts for information. The 2007 yearbook is 14 paragraphs away from being done (except for Ricketts, which is missing a fair amount of its information). They’ve made good progress with the 2008 yearbook. Brian has not yet had time to physically hunt down historians. Brian intends to recycle the old Techs in the DDR room soon.

Discussion:
- **Devteam:** A new Devteam needs to be found soon.
- **Attire:** Hallacy is wearing a Totoro sweatshirt. It’s very flattering.

Meeting adjourned: 4:25 PM

Submitted by Laura Conwill
ASCIT Secretary

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IHC Meeting - Avery - March 2, 2010

Present: Tim Black (chair), DK Lim (Avery), Chris Whelan (Blacker), Andrew Price (Dabney), Alex Lapides (Fleming), Lucas Hartnough (Lloyd), Will Steinhardt (Ricketts) Dan Kolodrubetz (Ruddock), Laura Conwill (secretary)

Guests: Chris Hallacy

Leadership Fund
DK reports that an alum gave Caltech a lot of money for leadership development at Caltech. This money is devoted solely to leadership development; it cannot be re-appropriated. Andrew was hoping this is enough to start a ninth house, Leadership House. Tom Mannion would like to do use the money effectively. Now that ASCIT and the IHC are turned over, we’re starting thinking about what to do. Tom already has a few ideas but would like more input. The IHC is going to continue to brainstorm ideas.

Avery Roof Damage
Damage to 40 roof tiles in Avery was discovered by housing. At first it was thought that this may have been linked to Gangsta Night, but there some people remember seeing the damage before Gangsta Night occurred. Housing will pay for the repairs.

Revised Resident Guide to Institute Housing
The Resident Guide to Institute Housing has been revised. Students are not allowed to have pets other than cats and seeing eye dogs in their rooms. In addition, there will be $100 fines for a lot of violations, such as living in common areas or staying after their contract end. Checking in at the beginning of the year will be enforced.

Prefrosh Weekend
Prefrosh Weekend planning is coming along. The website that Raymond in Dabney is making should be up on Thursday, and there’s another PFW meeting on Thursday. The IHC is going to be reviewing Prefrosh Weekend rules soon.

Will gave Dan a pile of money to pay him back $10, which included 2 euros. This is actually money from Ricketts to Ruddock, so Hallacy will have to deal with it!

Hallacy: How the **** am I supposed to count this?

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BE THE ENERGY THAT MAKES A TWO-YEAR-OLD TERRIBLE.

Within every one of us is the power to heal. It’s called marrow, and thousands of patients could potentially be saved by a marrow transplant. Join the Be The Match marrow registry and fight for those with life-threatening diseases. Who knows? You could be the one to save a life.

Take the first step at BeTheMatch.org.
Patenting everything from CAPTCHA As to logic gate

Currently, there are no computation-based microfluidics devices, but Glick wants to change that by developing a uni-versal microfluidic logic gate.

However, according to Glick, the current industry standard would require external companies, which are bulky compared to the sub-millimeter microfluidics devices, in order to have a clear input/output signal.

By using an electrohydrologic fluid instead of water or oil allowed Glick to make and control input and output signals in the micro-fluidics chamber.

By the end of his summer SURF in Hong Kong, Glick had tested NOT, AND, and OR microfluidic logic gates. This summer, he plans to experimentally test his design for a logic gate that integrates all three individual logic operations.

When his graduate student mentor was completely unsure of how to integrate the three individual logical gates, Glick realized how innovative his ideas were.

We’re all run across a Captcha before, even if we didn’t know that it was a Captcha: when you try to enter a secure site, or check an email, or read a web page, or any other 2nd place, Daniel Erenrich: Client-side video CAPTCHA using invertible transforms

3rd place, Tamas Szalay: Multi-touch and eye tracking for human interfacing

4th place, J. Cole Hershowitz: Smart microgrid technology

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The area of human-computer interfaces has seen little advancement over the past two decades. The keyboard and mouse re-mains stationary, with single-finger touchpads being the only major addition. Steadi-ly increasing computer interaction surface area renders mice and touchpads more dif-ficult to use, and the growth in time spent working with keyboards means that such devices critical — it is clear that an alternative is needed. The proposed solution combines the strengths of interface methods, eye tracking and multi-touch, while circumventing the flaws of one or the other. If you’re running a flow file and it’s as-much of a mental chess match as it is anything else.

Hershowitz’s project may not have won first place in the competition, but it holds a special place in the judges’ hearts. According to judge Edoson, the judges designed the fourth place award because they were touched by the humanitarianism of Her-showitz’s project. “I’m not so sure that the idea was marketable or scalable.

Rural areas in developing countries need cheap, reliable electricity, but these towns often are too far away to be connected to the closest power grid to receive cheap electric power.

After interning at a smart grid lobbying organization, Gabo realized that he wanted to work with friends to build a PV manufacturing plant in Bangladesh. Hershowitz combined the two ideas into one: “What can smart grids do for the developing world’s power problems?” The result: a local “plug and play” network that combines the economical “smart grid”, which reallocates power more efficiently in real time, with the “micro-grid”, which uses local power generators.
Alice Returns to Wonderland

by ZeNian Chang

“Alice in Wonderland,” the sixth partnership between actor Johnny Depp and director Tim Burton, is as quirky as expected, and with the help of technology, is easily the most visually stunning of the twenty or so film adaptations of Lewis Carroll’s “Alice’s Adventures in Wonderland.”

However, Tim Burton’s adaptation is not simply a retelling of the original storyline. Nor is it a remake of the 1951 Disney cartoon. This movie, also from Disney, is set thirteen years later and features a nineteen year old Alice (Mia Wasikowska) who lives by the mantra, “the only way to achieve the impossible is to believe it is possible.”

Once again following the White Rabbit (Martin Sheen) down the rabbit hole, Alice returns to Wonderland to find herself long awaited by the familiar characters of Wonderland. The Mad Hatter (Depp), Absolem the Caterpillar (Alan Rickman), Tweedledum and Tweedledee (Matt Lucas), and the enigmatic Cheshire (Stephen Fry) all refer to her as “the Alice” and have been waiting for her return. In Narnian fashion, she is foretold to be their champion and must represent the White Queen Sorceress (Anne Hathaway) in battle. In a now standard climax scene where the forces of good and evil come face to face, Alice must slay the unstoppable Jabberwocky to end the reign of terror under the Red Queen, who is played with a toddler-like relish by Helena Bonham Carter.

Amid all the epic heroism introduced into this story, Burton still finds time to remind us how ridiculous everything actually appears. In the final battle between the chess-shaped white forces and the card-shaped soldiers of the Red Queen, we can catch hints that we are observing a child at play. We see the cards tumble in domino fashion and even catch a glimpse of an attempted house of cards toppling over, something many of us may have experienced in our childhoods.

The phrase “mad as a hatter” apparently comes from a time when hat makers inhaled mercury fumes in their trade. In “Alice in Wonderland,” the resultant mercurial madness manifests outwardly in an almost-unrecognizable Johnny Depp. Bright orange frizzled hair, wide emerald eyes, and heavy makeup mark Depp’s visage as the theatrical Mad Hatter. Depp takes on the Hatter with the same zest moviemakers now expect from him. However, amid all of Depp’s theatrics, he also finds a very human side of the Hatter in fleeting moments where the Hatter becomes aware of his growing insanity.

As in many silver screen adaptations of Lewis Carroll’s “Alice’s Adventures in Wonderland,” many prominent characters in Tim Burton’s version are borrowed from the chess-inspired world. The Jabberwocky is a character in a nonsensical poem from the second of Lewis Carroll’s books. The comedic Tweedledee and Tweedleum are also characters taken from the sequel.

For purported unfulfilled romantic tension between Alice and the Mad Hatter? Sure love is there, of the friendship sort. And Burton does linger on scenes featuring the two. But as for romance, I think not. Then again, perhaps that is just a result of me not believing it possible.

Students Invent the Sport “Torkball” Featured in ESPN The Magazine

by Deboki Chakravarti

Caltech’s appearances in sports magazine articles have typically been limited to articles that attempt clever puns about rocket science and quantum mechanics before delving into our less-than-athletic athletic record. But the December 14th, 2009, issue of ESPN The Magazine included Caltech in a different context thanks to the inclusion of an idea suggested by a group of undergraduates in a feature that detailed potential sports of the future.

The decision to participate in this feature came after an email sent to the Caltech directory that ESPN was looking for ideas for a feature on sports of the future. The group did most of the thinking during the summer of 2008, but as Benji Lin notes, one of the biggest challenges was “being patient.” “The project was on and then off and then pushed back, etc. That’s why it took so long,” he said.

There are several points of inspiration for the sport that the group drew on. Aspects of ultimate Frisbee, football, and tetherball were included in the rules, as can be seen in the requirement that the player release the ball after having possession of it, the contact, and the winding of the ball around the field. They also took into account the possibility of cheap space travel in the future, positing the construction of a sports arena in space as a hypothetical outcome of reducing the cost of sending people and things into space. For anyone interested in seeing the feature, there is a copy in the Rudolph House Library.
HELP US HELP CHILE!

“Chile ayuda a Chile”
On Saturday February 27th 2010, a devastating 8.8 magnitude earthquake followed by a tsunami struck south and central Chile. This earthquake was one of the most powerful events registered in world history, and it destroyed several cities across the country. More than 800 people were killed and over 2 million are struggling with a lack of food, basic services, and above all housing, according to government estimates. The number of affected people corresponds to nearly 12% of the total population in Chile. The country’s infrastructure and basic services (highways, hospitals, water and electric utilities) have been severely damaged or destroyed. Preliminary estimates indicate that the total damage caused by this catastrophe could be up to 30 billion dollars, or nearly 18% of the country’s 2009 GDP.

From Monday March 8th to Friday March 12th, the Chilean community at Caltech in a joint effort with the Caltech-Y and CLASES are organizing a fund-raising to support the Chilean relief initiative “Chile Ayuda a Chile” (Chile helps Chile).

What is this initiative?
To overcome the emergency and help the earthquake and tsunami victims, as well as to help in the reconstruction of the country, a national telethon was organized by the Chilean government and several Chilean-based relief organizations. Since Chile is a very long country, when a natural disaster occurs it strikes only a portion of its territory. The initiative comes alive to coordinate aid from within the country, sponsored and supervised by the Chilean Government. The “Chile Ayuda a Chile” telethon took place Friday March 5th and Saturday March 6th, and it raised an estimated of 60 million dollars. This sum is just a small fraction of the total damages caused by the earthquake, and donations are still being received by the “Chile Ayuda a Chile” organization in the following weeks.

What is the Caltech Community doing?
As part of this tragedy we can’t be absent, so throughout this week (03/08 – 03/12) volunteers from the Caltech-Y, CLASES, and the Chilean community at Caltech, will be collecting donations every day from 11 am to 2 pm at the Chandler - Red Door area. We will also be giving general information on how to support this cause and other Chilean-based relief organizations.

What are the organizations receiving the funds?
The funds are being collected in a centralized way and will be distributed among a number of well-known Chilean based charity organizations:
- Fundacion Teleton
- Hogar de Cristo
- Un Techo para Chile
- Fundacion para la Superacion de la Pobreza
- Caritas Chile

The money raised will be used to build temporary housing and provide emergency relief (food and health care) for the affected families. The aid will be distributed among the different organizations taking into account the most urgent necessities as determined by the government.

By donating directly to these Chilean-based organizations, our impact can be larger as resources can be distributed in a more effective way. Come to the Chandler-Red Door area during this week to make your donation and get more information about the charities and organizations involved in this effort.

Music Groups Perform at Festival

MUSIC FESTIVALS, From Page 1
Currently, the choir practices in the basement of Beckman auditorium on Mondays and Wednesdays. The choir also performed on Parent Day earlier this term. The Caltech Glee Club is comprised of a Men’s Glee Club and Women’s Glee Club, which meets separately and contains the same practice time and public performances. This year marks the 105th season of the Men’s Glee Club. The Women’s Glee Club is the oldest organization for women on campus. Both groups play important roles in extracurricular life at Caltech. Membership is open to anyone in the Caltech/JPL community wishing to sing.
Senior Lisa Yee Wins the 2009-10 Baldwin Award
The Caltech Women’s basketball team announced, last Wednesday, that senior Lisa Yee was chosen as the recipient of the Ed Baldwin Memorial Award for 2010. The Baldwin award is given annually to a SCIAC senior who demonstrates superior sportsmanship and contribution to the league over the course of her career. During her four years at Caltech, Yee has been part of all six conference wins. She is one of only three Caltech players to receive conference recognition, the last being Lindsay King, Caltech’s all time leading scorer, in the 2007-08 season. This season she has averaged 9.4 points per game and 11.1 rebounds per game. She finished her career as Caltech’s leading rebounder, averaging just shy of a double double.

Women’s Water Polo Kicks Off Season
The Caltech women’s water polo team kicked off their season last Monday against NCAA Division II opponent Gannon University (Erie, Pennsylvania). Caltech swam hard and moved the ball well, and their hard work paid off in the form of three goals. Freshman Hannah Dodd led the Beavers with a goal and two assists on the night. Erin Hoops and Chau Liu also contributed to the effort with one goal each.

Despite goalie Panna Felsen’s best efforts, Gannon succeeded in getting the ball into the goal seventeen times. In last year’s contest, Caltech was unable to score against Gannon, so despite the disappointing outcome of Monday’s season opener, the team did show some signs of improvement on opening night.

Caltech Fencing Squad Set to Compete at UCSD for NCAA Regionals
Caltech Fencing coaches Michael D’Asaro and Carla Corbit are preparing their team for a trip to the NCAA Western Regional Fencing tournament at UCSD on Saturday, March 13. At stake is a trip to the National tournament held at Harvard University in Cambridge, MA. The Beavers will be up against stiff competition as they face off against perennial powerhouses like Air Force, Stanford, and UCSD.

Caltech Women’s Tennis Defeats La Sierra After Three Game Losing Streak
1. Stephanie Kwan (CIT) def. Ariana Ruiz (LSU) 6-2 , 6-2
2. Leslie Tong (CIT) def. Loreal Dugue (LSU) 6-1, 6-1
3. Wubing Ye (CIT) def. Denise Marquez (LSU) 6-2, 6-2
4. Seorim Song (CIT) def. Grace Ann Azagon (LSU) 6-1, 6-0
5. Prakriti Gaba (CIT) def. Rachel Data (LSU) 6-0, 6-0

Caltech 5, La Sierra 0
Flems’ Red Robes Leave Some Wondering If Graduating Even Worth It

PASADENA, CA -- On what should be one of the happiest days of any student’s life, a dark cloud of red is smothering some Caltech seniors. Fleming House seniors’ tradition of graduating in red robes has left some seniors wondering if they will graduate at all. “I just don’t know if it’s really even worth it at this point,” said a Darb senior when asked about graduating. “I mean, knowing those Flems will be there in those robes kinda has me thinking I should just stick around for another year or two to see if the tradition dies out. There are always some more classes I could take.” Of course this has not been the first report of this controversy. Several opinion pieces have appeared in this publication, and a recent undergraduate email thread quickly ignited into a flame-war, causing the already-sensitive fire alarms in the South Houses to go off at least three times. But one of the largest concerns for many undergraduates is the threat of escalation. “If the Flems are graduating in red, then soon the Moles will be graduating in their house color, and then before you know it, we have a circus graduation on our hands,” expressed a concerned Lloydie. “And after four years of mannerly and refined living, that would be horrible.” “After all,” she added, “this is Caltech.”

Around Campus

MEAD LAB -- A local freshman recently informed his Chem 3A TA that the glass wool used for insulating reactions was “the worst cotton candy he’s ever had.” The TA, simultaneously dealing with students cleaning salt plate with water, running reactions outside their hoods, and spilling volatile compounds on the floor, did not find the statement as amusing as the freshman would have hoped.

BROAD CENTER -- The name of a student’s freshman-year adviser was recently discovered in a course textbook, sources report. The discovery, which occurred during class lecture, was well received by neighboring students as being more interesting than lecture anyway.

Weekly Horoscope

(Mar 21 - Apr 19)
Aries
Check your big answer, we suspect a sign error. No really, check again.

(Apr 20 - May 20)
Taurus
You may soon discover your entire ‘new’ research is in a Soviet archive.

(May 21 - June 20)
Gemini
One of your instruments will be uncalibrated. Please redo your measurements.

(June 21 - July 22)
Cancer
Find a way of entering your advisor’s office; they may have forgotten you.

(July 23 - Aug 22)
Leo
You may soon realize you are not actually on the tenure track.

(Aug 23 - Sept 22)
Virgo
Perhaps, if you had not gone into science, you would still not be a virgin.

(Sept 23 - Oct 22)
Libra
Expect to see your research on Nature’s cover, without your name on it.

(Oct 23 - Nov 21)
Scorpio
Spend your money wisely—your grant is about to run out.

(Nov 22 - Dec 21)
Sagittarius
Backing up often, because your hard drive is about to fail.

(Dec 22 - Jan 19)
Capricorn
This week you will discover they are not all fine houses, and you are in the only bad one.

(Jan 20 - Feb 18)
Aquarius
You will soon need to decide: dirty boxers or commando.

(Feb 19 - Mar 20)
Pisces
Bring a book to your observations: cloudy skies are on the horizon.