Introducing the Caltech Science Education Club...

by Alicia Alonso and Jane Sanders

Who would have guessed that there wouldn’t be so much interest in science education at Caltech? Believe it or not, there are over 50 members of the Caltech Science Education Club, including undergraduates aiming for a career in science, graduate students who have taught abroad before Caltech, staff members pursuing education degrees, faculty members involved in science education reform, retired JPL and Caltech alumni, local observatory astronomers, and an HMO physician.

On Thursday, February 20th, the club convened for the third time. The topic of the meeting was “Practice, Politics, and Ethics Concerning the Use of Animals in Science Education.” Animal rights activists have had an impact on the use of animals in education, and in response, groups have formed supporting the educational value of animal use. Both groups distribute literature to be used in classrooms to persuade students of their respective positions. A discussion of these issues had been proposed by several members of the science education club.

Following a pizza supper, a Caltech postdoc gave a brief synopsis of literature from both sides of this issue, pointing out some similarities between propaganda and education. The literature and activities in the materials for students were age-appropriate, ranging from coloring books for young children to alternative high school science fair projects. These materials were available for members to read and generate an active discussion.

A highlight of the meeting was a short informal talk by Ginny Kajiwara, a fifth grade teacher, and Lynn Maloney, a first-second grade teacher, both from Pasadena area schools. The teachers in Pasadena use animals in their classrooms each year as part of the hands-on inquiry-based science curriculum, called SEED (Science for Early Educational Development), which was developed in partnership with Caltech. They spoke about the valuable, detailed observational skills the students gain from their experience with animals and the genuine care and concern the students form for the animals. They reported that the unit the children remember the most fondly from each year’s science curriculum is the one studying animals. The teachers answered questions and entered into the discussion with members. Anecdotes and samples of student work, along with the warmth and enthusiasm of Ms. Kajiwara and Maloney were inspiring and infectious.

The final speaker was Janet Baer, the Caltech veterinarian. She told the group about the Animal Welfare Act of 1966, which dates back to 1985, has received a five-year, $6 million grant from the National Science Foundation (NSF) to bring their work to elementary-school science classrooms, is a collaborative effort of the Pasadena Unified School District (PUSD) and the Caltech Precollege Science Initiative (CPSI) at the California Institute of Technology. The PUSD-CAPS1 collaboration, which dates back to 1985, has developed an elementary science program that has proved successful not only in PUSD, but also in the Conejo Valley, California, and Maui, Hawaii, school districts.

In the program, students are motivated by their own curiosity and learn from hands-on experiments that investigate a variety of phenomena. Teachers guide the young scientists’ learning with careful questions, and the children keep notebooks of their work. A large component of the program involves professional development for teachers training them to become knowledgeable facilitators of their students’ inquiry-based learning.

In 1994 PUSD and CPSI received a five-year, $6 million grant from the National Science Foundation (NSF) to bring their approach to learning science to 14 additional school districts within California. The NSF grant reflects the agency’s emphasis on getting professional scientists involved in improving precollege science instruction. "We don’t expect to change the way science is taught throughout the entire state, much less the whole country," said Jim Bower, an associate professor of biology at Caltech, who codirects CPSI with Professor of Physics Jerry Pine. "But we have designed a good model for teaching elementary-school science, and we’re happy to be able to share it with other school districts throughout the state. Eventually we hope these methods will be adopted by more districts in California, and perhaps even spread to other parts of the country.”

Last year the Pasadena center started pilot programs in the Desert Sands, El Centro, and Lennox school districts. These three districts, and the six selected this year, were chosen from a pool of about 50 eligible districts, each of which has more

Please see Club on p. 3

Science Program Expands Into Six More California Districts

by Caltech Public Events

PASADENA—A science education program for elementary-school students will expand into six more California school districts this year: Bakersfield, Baldwin Park, Hacienda-La Puente, Lynwood, Stockton, and Tulare. The selection of these six districts was announced recently by the Pasadena Center for Improving Elementary Science Education.

The Pasadena center, which aims to bring a hands-on, inquiry-based style of science education to elementary-school classrooms, is a collaborative effort of the Pasadena Unified School District (PUSD) and the Caltech Precollege Science Initiative (CPSI) at the California Institute of Technology. The PUSD-CAPS1 collaboration, which dates back to 1985, has developed an elementary science program that has proved successful not only in PUSD, but also in the Conejo Valley, California, and Maui, Hawaii, school districts.

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Please see CPSI on p. 3

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MEN’S VOLLEYBALL 7
PRESENT: Chris Walker(Da), Chris Cary(Fl), Steve Bennett(Ll), Josh Moats(Pa), Lon Christensen(Ru), Bill Penn(Bi), Jennifer Oghi, Jennifer Hol­
dard, Tyson Grani, Dave Bacon(Me).
Meeting starts: Sometime after 11 pm.

Today's theme: Fresh are lame.

• Everyone arrives safe and sound, Moats with his customary bottle and Lon minus his Grover.

• Jennifer Oghi talks to the H.C. about a party she is organizing the third term. The party will host four or five bands and will be a joint Occidental/ tech party. The theme will be Kung Fu fighting. She asks for $50 for breakfast from each host. Everyone was at each other for a few minutes and then finally we decide that it's reasonable and so agree that each host should contribute $50 to the party.

• The Jennifer leaves.

• Blacker has canceled its party because according the Bill, "our frosh are lame." Seems as if Blacker frosh decided that their school worked more than the party. Hey frosh, only a few more weeks of P/F! Price frosh flame!

• We talk about when to appoint a new secretary. Signups are now up for IHC secretary and will be taken down Wednesday of finals week. Interviews to follow during the first few weeks of third term. SIGN UP FOR IHC SECRETARY! SIGN UP FOR IHC SECRETARY.

• Dave requests that each house appoint a member to a "social committee" that the ASCIT social chair Emily Ho is forming. This committee should help coordinate house social events and stuff like that and will be a great help to the houses.

• Steve apologizes for the dumbs who burned out a ton of color copies on the GCC computer. Once again, reiterating, Steve comments that "frosh are lame."

• Meeting ends sometime before 12 pm.

Respectfully submitted,
(That would reply the IHC, as expected)
Dave Bacon
IHC Chair / all-purpose-diswasher

Jerusalem, Israel—A young Palestinian man was arrested Sunday for re­
creating three of the last four suicide bombings.

The attacks, he said, were meant to ensure the defeat of the Is­
raeli government in the coming elec­

tions. Four suicide bombings since
Feb. 25 have killed 61 people in Jerusa­
lem.

Grozny, Chechnya—Hundreds of
rebels rode to the capital of secession­

istic Chechnya in a captured freight train to support the rebels in the largest battle in Chechnya in over a year. Scores of Russian soldiers are wounded or killed.

Beijing, China—Tensions rise after China announced it would conduct a week-long series of missile tests near two of Taiwan's major seaports.

An official announced that surface to sur­
face missiles would be tested starting on Friday to curf Taiwan's efforts to­
wards independence.

Bogota, Columbia—Jose

SantarcusLondonos, an ex­

capped prisoner and major leader of drug trafficking in Colombia, was killed by police last Tuesday night. Londonos was cited by the Clinton Ad­

ministration last week as one reason Columbia was

not being endorsed by the United States in the war on drugs.

Hargeisa, Somaliland and Herero­

About a dozen men, thought to be Hargeisa Croats politically aligned to the transfer of Hadiya, a Sarajevo suburb, to the Muslim-Croat federation. They withdrew after a threat of force by Nato.

United Nations—the Cuban Foreign Minister, Roberto Robaina, spoke at the Security Council to express his country's decision to down two civilian aircraft on Feb. 24. He cited numer­

ous cases of aggression, including airspace and intrusion by sea in the last two years, and the warnings they had received about Cuban American plans to broad­

cast propaganda.

Chen, China—For the third day in a row, missiles fired by the Chinese military are said to have missed their targets, according to the defense ministry.

India—A bus driving from New Delhi to the southern city of Coimbatore, carrying about 60 passengers, crashed on the outskirts of the city. At least 18 people were killed.

Pakistan—A suicide bomber blew himself up as a police patrol entered a house in Rawalpindi, killing at least 30 people, according to officials.

The UN official said that the United States was "very concerned." The official said that the United States was "very concerned." The official said that the United States was "very concerned." The official said that the United States was "very concerned." The official said that the United States was "very concerned." The official said that the United States was "very concerned." The official said that the United States was "very concerned." The official said that the United States was "very concerned." The official said that the United States was "very concerned." The official said that the United States was "very concerned.

The official said that the United States was "very concerned."
A Piece of Caltech History Meets a Gruesome Fate

by Joseph Trela

On Monday, March 4, a part of Caltech history was lost when several members of Page House physically destroyed the second Discobulous trophy.

The wrecked trophy was not the current “eagle” model; it featured a paintable, gold-painted Gummy doll holding a discus in a heroic pose. Evidence from old yearbook pictures indicated that it was used as early as 1974. Sometime around 1983, however, it disappeared permanently (following a rash of temporary thefts) and was replaced. It was rediscovered Monday by junior Seth LaForge in a remote corner of Dabney “bypass space” (the open space between the walls and ceilings in Dabney); presumably, whoever “borrowed” the trophy bid it there for safekeeping.

The trophy was revealed to Dabney House members during the announcements following dinner. At this point, a group of about 10 Page House members immedi­ately decided to take the trophy over to Page House, which won the overall Discobulous contest for the year.

Mike Benedetti holds a battered Gummy

1981-82 academic year and hence was the last house with a placard on the trophy itself (Later research indi­cates, however, that they may not have been the last house to actually hold the trophy. The chal­lenge). When recognized during the after-dinner announcements at Page House, one of the members held up the trophy, announced its re-discovery and requested that they contact the Dabney athletic manager to negotiate a return. The represen­tative concluded by saying in a cas­ual tone “We also feel a responsi­bility to taunt you, so now we are taunting you.”

About 10 seconds after the group left the room, one of 6 Page House members spontaneously began to chase the Dabney mem­bers. One of them caught the mem­ber of Dabney carrying the trophy in the Fleming House courtyard with a flying tackle; at this point, accounts become confused. Apparently, Page member may have tried to toss it to another but accidentally damaged it. There is no question, however, that towards the end some Dabney members were physically restrained by Page members while the trophy was delib­erately smothered by throwing it into the ground.

According to accounts from members Page House present at the incident, it was not clear that the Page House members knew the trophy was a Discobulous trophy and hence possibly covered under IHC Resolution 1, Section 6. When asked about the incident Page House members who were present at the dinner in question indicated that the Page House members “taunted” Page House and should have ex­pected to be chased. He did say, however, that smashing the trophy was “very stupid,” adding “What was the point in getting it back in pieces?” It should be made clear, however, that the events leading up to and including this incident were not necessarily participated in or approved of by the majority of mem­bers of Dabney or Page House or their respective elected officials. Currently, the remains of the trophy are distributed approxi­mately 50-50 between Dabney and Page. As of press time, the incident will have been brought up in the IHC meeting at 11:00 PM Thursday. If anybody possesses more definitive historical information about the tro­phy, they are welcome to contact the Caltech Tech Office in SAC 40 at x655.

Caltech Student Interns with Bureau of Indian Affairs

by James Honaker

The Beckham Internship allows interested individuals to explore some of the political aspects for a summer. The interpre­tation of “political” is quite broad, and allows students to search out and in­vestigate any issue that appeals to the applicant. It can allow students to explore the political and economic undertowings of the scientific field they are interested in, or it can be a great opportunity to contribute to a cause that they are passionate about, without obligating years of your life to the Peace Corps and finding yourself stranded on some inhospitable island in the middle of the Pacific.

I worked for the Natural Re­source Management Division of the In­dian Affairs (BIA), Southern Califor­nia Office. There are more Indian reservations in California than in any other state, although they are much smaller, and generally more reclu­sive. But there are more popularly known sites in California and Arizona.

The Southern California Office works with twenty-nine reservations, (or depending on your counting, twenty-eight, since there is one with nobody living on it and its legal status is in question), each of which has its own sovereignty recognized by the federal government. Large or small, these reservations are de­pendent states. All federal laws are to be upheld, but any rights that are not necessarily participated in or approved of by the majority of mem­bers of Dabney or Page House or their respective elected officials. Currently, the remains of the trophy are distributed approxi­mately 50-50 between Dabney and Page. As of press time, the incident will have been brought up in the IHC meeting at 11:00 PM Thursday. If anybody possesses more definitive historical information about the tro­phy, they are welcome to contact the Caltech Tech Office in SAC 40 at x655.

Only fragments of the discobulous trophy remain...
SUCCESS & FAILURE

by Samson Timoner

Did you know that in his first season of coaching the Forty-Niners, Bill Walsh won 2 games and lost 14? You're not alone; that Bill Walsh was a failure his first year coaching. One of his staffers thought so, and told the management that the team was "adrift" without goals. Bill didn't agree. The team had gone from dead last in overall offensive statistics the year before to sixth overall. They were losing but they were improving at the same time. Management agreed with Bill and fired the staffers. The Forty-Niners had another losing season the next year, but they were only barely losing each game. In his third year of coaching, Bill Walsh won the Super Bowl.

Bill Walsh knows what so many other successful people know: there is nothing such as failure. People make errors, face setbacks and make utter fools of themselves, but no one ever really fails. Failure suggests total disaster. In every victory there is something positive. Bill Walsh saw improvement in his team despite losing 14 games. Similarity after every error mistake we make, we can learn never to make the same mistake again. In my experience, all of those cliches that you know about unpleasant situations are true: to every cloud there is a silver lining, after every rainstorm there is a rainbow.

Many times, it is the right attitude that is necessary to find the silver lining of a setback. Dick Shula, former coach of the Miami Dolphins, always allowed 36 hours after a game to brood over a loss or celebrate a victory. His attitude was, "success is not forever, and failure isn't fatal." He spent those hours trying to learn from his mistakes and how to change his decisions were correct. After his reflection time, it was time to think about the next game. Learn from Don Shula: success is never and failure isn't fatal, for tomorrow is another day.

Like Don Shula or Bill Walsh, we all face setbacks. The fact is that we don't always achieve our goals. Sometimes not achieving a goal is crushing to us. We're rejected from the school of your dreams, to not sing well enough to make a choir, or to not achieve a goal is crushing to us. The idea of learning from mistakes is a valuable one. Now is the time to take out those homeworks and exams the year before to sixth grade and see what mistakes you made on them. Think of all those errors you made and the points that they cost you as an opportunity to learn to never make the same mistakes again. If you don't do very well during finals week, just remember, there were other finals before you, or at the corner where you can aim to do better.

The next time you make a blunder, try to find out what you did wrong and how you can do better next time. Think of your Baba Ruth. He is the all-time leader in striking out in profes­ sional baseball and makes mistakes sometimes. Of course, he learned from his mistakes and never allowed a dropping pitchers to pay the price.

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Senior Atul Salvekar

by Angie Bealko

When senior Atul Salvekar was a freshman, he was the only member of his class on the men's varsity tennis team. For four years he has played on the team, and worked his way up through the line up. Besides being on the ten­ nis team, Atul has played in the dance. With the popularity of his dance music, the last four years and averaged 53 units each year. Tonight, he will start to build with... an even and more difficult one considering that his major is electrical engineering.

When asked how he juggles such a heavy workload and manages to play tennis at all, Atul said: "I think Caltech is a blessing in disguise. It's really hard right when you come to get motivated to do the amount of work necessary at Caltech. But, I think that once you get used to the workload you come out ahead. Its kind of like positive feedback. You do lots of stuff, and then you get more and do more stuff, so you do more, etc... I think my activities have helped me to take a break from studies and allow me to relax for a few hours everyday. I think what sports bring out that many people forget about is a kind of 'relaxed concentration.'"

When Atul came to Caltech, he had to play a non-competitive tennis for three years. He simply hoped to make the tennis team, but had no expectations. Due to other players' injuries, and his own improvement, he was able to play often, and to his sur­ prise earned a varsity letter that first year. However, as another ex­ pected fortune has been met with its share of bad luck, well. He had tennis elbow freshman year, and the last two years, he has been sick for part of the sea­ son. Despite these few setbacks, Atul has been an extremely con­ sistent player for the team.

He has typically played between numbers 4 and 6 on the team, without any appearance at the third spot. As he has won some big matches but when asked when he played his best match ever, he talked about a match he lost to BYU-Hamilton in straight sets. One match in par­ ticular sticks out for him because it was an "important "come from behind" victory. It was against La Verne. He had split sets with this guy who served and volleyed. Anu was down in the third set. The coach came by and told him that the match was impor­ tant, and that Anu had to pull it through. Anu clinched his match, and that enabled Caltech to win 5-4. This year Anu is a captain with his doubles partner Amir Alagbeh.

This is the first year that he is playing doubles on a regular basis, and Anu believes it's helping his game all around. Anu has improved a lot over his career at Caltech and is an extremely con­ sistent player. After he graduates he plans to go to graduate school in optics or communica­ tions.

ATHLETIC ACCOLADES

Game, Set, Match

by Angie Bealko

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Hail to the Chief
by Angie Bealko

When Caltech chose Dr. Daniel Bridges to be its new Athletic Director in 1990, it was probably one of the best decisions it ever made that directly benefited a vast number of students (not to mention staff and faculty). Dr. Bridges has been at Caltech since 1985. He obtained his B.A. and M.A. from Cal State Long Beach and his Ph.D. from USC.

Before he appointed the new Athletic Director, Dr. Bridges was an assistant baseball coach at Caltech, and the Athletic Director and head baseball coach at Brentwood High School for eight years. Over the past 5 years Dan has made tremendous strides in the athletic department. Besides helping start a new women’s basketball team and supporting students who want to start club sports, Dr. Bridges has made students the number one priority at the athletic facilities. Whenever an athlete has a concern his door is always open. He is probably the most sincere and dedicated department head at this entire university. Not only does he do his job well, he goes above and beyond the call of duty.

He comes to away and home contests, watches practices, runs raffles at basketball games, solicits student and staff opinion, helps set up for athletic events, and basically tries his best to make everyone happy—and he succeeds. He has been extremely supportive of the Athletic Mentor Program (ACME) which provides services to student athletes and organizes the end of the year recognition banquet.

Dr. Bridges is very dedicated to his work and for that reason he is an important asset to the community. Besides being A.D. at Caltech, Dan is currently serving as a member of the NCAA Council, the NCAA Championship Committee, and the NCAA Restructuring Oversight Committee. He is the current chair of the NCAA Division III Task Force on Restructuring, and the NCAA District 8 Postgraduate Scholarship Screening Committee.

Dr. Bridges believes that "the Athletic Department’s primary goal is to provide a broad range of quality competitive opportunities which enable the participation of a diverse population of Caltech students. The best indicator of our success is the fact that we field a total of 18 intercollegiate teams for a student body of 900." Dr. Bridges is to be commended for his outstanding commitment to the students of Caltech and the community in general. He sees an excellent example of how a department can run efficiently, openly, and successfully, while still having a lot of fun.

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Upcoming Events
by Angie Bealko

Friday 5/8
Golf SCULC Championships Torrey Pines ARROYO All Day 2:50 p.m.
Baseball Whitter HOME HOME

Saturday 5/9
Golf SCULC Championships Torrey Pines ARROYO All Day
Men’s Tennis CMS HOME 9:30 a.m.
Women’s Tennis CMS HOME 9:30 a.m.
Baseball Whitter HOME 11 a.m.
M. Volleyball BIOLA HOME 2 p.m.
Little Strange Labyrinth

The Tech Editors were working on the last issue of their term of office, when who should walk into the office but Achilles and his good friend, Mr. Tortoise.

**Achilles:** Hello there, fellows!

**Tech Editors:** Good evening, Achilles and Mr. Tortoise. Please come in. We are working on a last issue, while reflecting over the year. We don’t mind our issues on the table.

**Tortoise:** And what is this? Why, it looks like the magic tonic from *Little Harmonic Labyrinth* in Douglas Hofstadter’s *Godel, Escher, Bach*. Do you remember it, Achilles?

**Achilles:** Yes, we used it to travel in and out of paintings. You don’t suppose it works for newsprint, do you?

**Tortoise:** I don’t know, but I’m always up for an adventure.

**Tech Editors:** Heck, we’ve missed our deadline by several hours, so let’s go.

**Tech Editors:** Achilles, and the Tortoise drink tonic, and find themselves in another world.

**Achilles:** Wow, it sure seems to have worked. Where are we?

**Tech Editors:** Good! We’re in the Ditch Day issue. Check out the water slide! And the giant maze. And the rocket.

**Tortoise:** This is indeed cool!

**Tech Editors:** Why don’t we move forward a few issues?

**Tortoise:** Sounds good. Hey, who’s this character here? Dilbert® and Wally rush by, being chased by their boss.

**Dilbert®:** “Run! It’s too late for me but you can save yourselves!”

**Achilles:** Most bizarre. Ah, we seemed to have walked into a Watson Lecture. I wonder if the text will change if we run down the index yells “I am an electronic nose!” Here I go! Hahaha!

**Tortoise:** No, Achilles! Wait!

**Tech Editors:** The author of the article looks at us. Achilles, and writes him into his story.

**Tech Editors:** Well, we think we ought to finish our issue for tomorrow.

**Tech Editors:** We’ve headed back to the office and look for a way out.

**Achilles:** Of course.

**Tech Editors:** They head back to the staff box, and walk across a picture of people walking on the paper for a “Week for the Tech”. The adventurers look at the newspaper in the picture.

**Tortoise:** Look, one of the ink in this article has been smuggled by someone putting too much wax on the page. What once said “a large catastrophe occurred last week”; now says “a large car purred last week.” How silly!

**Achilles:** Notice himself written into the story about the Watson Lecture.

**Achilles:** Wow, there I am! I wonder if I could meet myself. And we have saved some time. Remember when we went into a picture inside of a picture, Mr. Tortoise? I wonder if it also works for newsprint.

**Tortoise:** They all drink tonic, and go into another world.

**Tech Editors:** Achilles, we seem to be in another part of campus. Look, a sign is posted announcing the new winners of the ASCIT elections. Looks like most of the editors have run for and secured a second year in office. Hey, where did Steve go?

**Tortoise:** And where did this duck come from?

**Duck:** And, speaking of animals, does anyone recognize that huge thing chirping of massless, frictionless birds, who seemed extremely pleased about it.

**Achilles:** I’m starting to worry about getting out of here. In our last encounter with the tonic, we eventually found some popcorn to pop us out of layers. What are we going to do in this situation?

**Tech Editors:** Have faith, Achilles. This is newsprint, and the author will have to keep his work short. Recall that we, at our highest level, are simply figures in a newspaper story, and newspaper stories have to be short.

**Achilles:** Looks like some bits were edited out. You were right again, Mr. Tortoise; here we are, at our own level of existence again.

**Tech Editors:** And here we are, even later for our deadline. If you’ll excuse us....

**Achilles:** But of course. Good luck next year!

**Tortoise:** And good day.

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*Read Godel, Escher, Bach by Douglas Hofstadter!*

A Massless, Frictionless World

He was a massless, frictionless man with a massless, frictionless life. He lived in a massless, frictionless world filled with massless, frictionless people. (It neighbored Flatland.)

Born a massless, frictionless baby, he sucked his massless, frictionless thumb (nearly chocking it on several times). He spent most of his time in a massless, frictionless crib cuddled up against his massless, frictionless blanket. (He was bored.)

As a child he lived in a massless, frictionless home with a massless, frictionless family and a massless, frictionless dog. They provided him with a load of massless, frictionless crap. (But it still stunk.)

He slept in a massless, frictionless bed (he had this napping tendency to fall off of when he made even the slightest movement) and ate massless, frictionless food. (It was not very filling and passed right through his massless, frictionless digestive track, giving him diarrhea.)

He played with massless, frictionless friends an odd assortment of massless, frictionless games. (Sliding into bases was a real hazard.) He went to massless, frictionless parties and drank massless, frictionless alcohol. (But he still got drunk and had to be propped up by his friends to wait for the massless, frictionless taxi they called for him. In the meantime, a massless, frictionless thief stole his massless, frictionless wallet which contained massless, frictionless money. He awoke in the massless, frictionless morning to the chirping of massless, frictionless birds, who seemed extremely pleased that he had a massless, frictionless hangover. His massless, frictionless parents were pissed off, so they gave him a massless frictionless beating which still hurt.)

Eventually, he got a massless, frictionless clue and actually started caring about mass, frictionless things such as himself. So he kicked himself in his massless, frictionless behind and went on with his massless, frictionless life which didn’t seem to care much about him.

At a massless, frictionless college, he was taught about massless, frictionless springs (and strings and pulleys) by massless, frictionless professors who wrote with massless, frictionless chalk on massless, frictionless chalkboards. After this massless, frictionless torture, his mind was both massless and frictionless.

He grew up and got a massless, frictionless job. As a lawyer, he defended massless, frictionless defendants (like O.J. Simpson) who mayor may not have committed massless, frictionless murders of massless, frictionless people. (Believe me, it would require great precision.)

He again grew bored and married a massless frictionless wife. (She then divorced him, massless, frictionless husband.) Their lives soon became massless and frictionless, so they divorced after a few years. She took possession of their three massless, frictionless children and remarried her old husband. (He later killed her with a massless, frictionless knife, which was admittedly quite sharp. It was really expensive and messy.)

Sick of being honest, he stole a massless, frictionless truck and drove off a massless, frictionless cliff in a spontaneous hope for everlasting life. Being massless and frictionless, he didn’t have to worry about momentum. He crashed anyway and was transformed (nonlinearly) into massless, frictionless chunks. (The subtleties involved were both massless and frictionless, to mention pointless, since he was now dead.)

Anybody who thinks this is true is clearly both massless and frictionless and probably doesn’t know me very well since I’m not dead. (Besides, one can feel both massless and frictionless without being suicidal!)
Tech Takes Trojans in Three

by Rich Chin

On Tuesday, February 27th, the Caltech Men’s Volleyball Club traveled to USC for a rematch against their club team. Although Caltech was missing several of its regulars, the team played wildly and aggressively, overpowering its opposition.

The first game got off to a rocky start as Caltech gave USC a 7-4 lead as the team took some time to get used to the environment and the new rotation. Just as USC started to become a little more complacent, Caltech shifted into overdrive. Every aspect of Caltech’s game clicked into place. The serves picked apart the USC passing game while Tech’s own swing hitters found their passing rhythm. The Caltech block almost became an offensive weapon, either rejecting the USC attack completely or funneling it to a waiting defender.

Caltech’s own offense was almost flawless, with Brendan McKenney and Aaron Keil power hitting, Ken Wiberg and Steve Sears dominating from the middle, and Andreas Manhur just awesome from opposite. Caltech went on a 1-5 streak, taking the first game 15-8.

In the second, Caltech showed the versatility and depth of its roster as Mike Burl moved opposite hitter and Andy Berkin and Joel Jones substituted in at various times for swing hitter and defensive specialist. USC thought it had a chance when it took a late 12-19 lead, but Andreas Manhur came in to set for Rich Chin on Aaron Keil’s serve. Caltech ran off 7 points behind his block as he had 2 block assists and 1 solo stuff-block on the USC power hitter. Caltech went on to finish the game, 15-12.

The third game was a battle as both teams were playing well, although not brilliantly. The score slowly crept up as the lead changed hands several times. The solid confidence of the Caltech team won out in the end as Ken Wiberg capped the match off with an ace off the back row. Caltech went on to finish the match, 15-10.

On Saturday, March 2, the club sent off a small team to a Westside tournament held at University High School. The tournament was comprised of teams that were mainly USAV teams, and Caltech played in the top division. The team included none of the middle blockers and some of the regulars were playing in relatively new positions. However, the team still did extremely well, going 4-1 in the round-robin format, with most of the losses coming in extremely close games. Congratulations to Andy Berkin, Mike Burl, Rich Chin, Wong Kit Ching, Joel Jones, Andreas Manhur, and Brendan McKenney for a job well done.

Tech Seeks New Sports Editor

With the graduation of current Sports Editor, Angie Bealko, the California Tech is seeking candidates to fill the position next term.

Angie Bealko, who has held the position during second term, was a great asset to the Tech, and her incisive sportswriting and excellent feature stories will be sorely missed.

Interested candidates should email editors@tcch.org or talk to one of the current editors.
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