By ADAM SEARS

Professor Barry Barish attracted a large crowd this Wednesday for the Institute's latest installment of the Watson Lecture Series. The talk resonated throughout the packed aisles of Baxter Auditorium for a good hour and a half and focused on Caltech's Laser Interferometer Gravitational-Wave Observatory (LIGO) project.

In keeping with the theme of the Watson Lectures, Dr. Barish started off providing the background information necessary to understand the importance of the project. After running through Newton and his contemporaries, he quickly progressed to Einstein's theory of General Relativity.

Using formulas only for decoration, he explained how gravitational waves were created by the acceleration of mass and the incredibly minute effect they have on our Earth. Additionally, he introduced several detectable effects of General Relativity such as the bending of light around massive objects and noted that the fabric of space-time could send gravitational pulses at the speed of light.

Having set the scene, Professor Dr. Barish then proceeded to offer justifications for the existence of these waves. Work by two astrophysicists, Russell Hulse and Joseph Taylor, concerning the radio waves given off by two linked heavy neutron stars, connected the energy lost while they orbited each other with the energy that might be given off as gravitational waves.

In 1995, their curiosity was rewarded with a refreshing Nobel Prize. There have been other attempts to detect these gravitational waves, with four similar detectors spread out in Europe, Australia, and Japan. Plans have also been proposed for a completely free floating space antenna, nicknamed LISA.

But that doesn't mean the science they wish to do is redundant. LISA and LIGO will detect waves at different frequencies and detectors on the ground need to work together to extract extra information about the waves, like polarity. When gravitational waves pass us, they temporarily stretch the distance between two places, compress it and allow it to relax.

The effect all these experiments are set up to measure is nearly 15 orders of magnitude smaller than the effect on the public. "(We also) want to push the message that as scientists, we're not in some ivory tower," commented David Amodei, '05. Another organizer, Gabriel Amore, a postdoctoral scholar, spoke for many of the protestors, "We don't believe war is the solution to the Saddam problem."

The organizers expressed surprise and pleasure at the attendance of two independent pro-war groups, both of which set up their own information stands. Protest organizer Ki Won Yoon said that "it was good to have a debate going on," and said that he preferred intelligent pro-war sentiment to simple apathy.

The "anything but apathy" statement was echoed by LIGO staff member Irena Petrac, who made a speech at the open mike. Asked about her opposition to war after the speech, the Slovenian-born scientist said, "I was born at the end of World War II, I experienced the ravages, here people seem cava­ lier." She then added, "It's shocked that young people [in America] don't care about their future."

Other speeches at the open micro­phone addressed the speakers' work as scientists. Jim Ingalls, a SIRTF staff scientist, talked about his work on GPS and how it is a military program.

The pro-war tables were charac­terized by attention getting posters, such as "Give War a Chance," and, "Go back to work, hippies." The organizers of one opposition table, Jason Keith and Chip Kent, both graduate students, stated that "we're out here to show our sup­port for a democratically elected administration."

They stated they "are not pro-war or anti-war" but rather that they were there to "engage people in intelligent conversation about the situation in Iraq." Keith expressed satisfaction with the respect shown to them by the event organizers, but wished they had been contacted.

Continued on Page 2, Column 4

Continued on Page 8, Column 1
Dr. Barish closed the lecture with an explanation of the unexpected power of LIGO. He detailed how the complete LIGO has provided and the project's future aspirations. Despite being passively shielded from the Earth's frequent vibrations, the system has maintained its signal in picking up earthquakes. The system's extreme sensitivity has made it detect the moon and sun, as well.

For observers, it's wish to catch gravitational waves which will give them insight into events dated nearly to the Big Bang and detect the waves caused by neutron star pulsars. The system's sensitivity is many orders of magnitude towards its theoretical limits, and with several possible additions in 2007—such as seismically damping, sapphire optics and a higher powered laser—could be well within range of some interesting phenomena.

The Watson Lecture Series tries to bring science to the local community, but sometimes it's met half-way in the middle. One attendant of the presentation, Robert Piccioni ’67, was already familiar with General Relativity. Back when he was a freshman, Feynman's text was in its third edition. "Relativity wasn't taught at any of the nation's flagship universities, despite its being formulated in 1915."

He understood the lecture, but mostly wished "to learn more about LIGO."

It's a developing experiment," he noted, and he enjoyed the "updates on its implementation."

One thing in particular surprised him, though. State of the art equipment like LIGO's main 10-inch mirrors come at a high price—$500 million and everything piles up to a staggering $10 billion—considering that's the cost of high quality science, and we can only hope it will be reflected in the results.

"They're definitely justified if they work," Dr. Barish explained. "This is the difference of something than the absolute values," Dr. Barish observed.

Although the actual LIGO apparatuses are isolated in Washington and Louisiana, collaboration on this project has been encouraged from the start. Caltech is in league with that rival city-state to the northeast, MIT and has over 400 additional scientists worldwide cooperating on the general science of the experiment.

Continued/rom Page 1, Column 3

The California Tech
Vol. 48, No. 13
MARCH 10, 2003

A peace advocate speaks in the "open mic" session at last Wednesday's workshop to protest the looming war in Iraq.

PJC Protest Polarizes Campus on Iraq War

The demonstration and its opposition engaged many people in a discussion on the situation in Iraq and as Yoon pointed out, "showed there is an undertone of dissent that goes unnoticed."

Continued on Page 1, Column 5
BoD’s First Week in Recap First Meeting: Ricketts, Library, Faculty

By TOM FLETCHER
First BoD Meeting a Success

The first official meeting of the new ASCIT BoD took place on Wednesday, at lunch on the Olive Walk under the display cases. In one hour—the shortest BoD meeting I have ever been to—we went over the agenda we outlined for the meeting and approved a couple expenditures. We also set some dates for future meetings dealing with clubs and the budget and discussed the responsibilities of each officer.

Most importantly, the meeting was attended by people other than the BoD. Tom Mannion stayed for the entire meeting and added a number of helpful suggestions throughout, usually related to saving money. The goal of creating a syn­ergy by meeting at a time and place that can involve administration was very much accomplished. Other administrators, including both Dean Green and Dean Reavel, paused by and watched for a while as we experiment­ed with our new, more transparent model of government.

Besides these administrators, a number of students attended as well—so many that the minutes can’t list them all. Some stayed for the entire meeting, others just stopped by to see what was happening and I hope they were impressed and excited by what they saw.

I feel the other notable point of the meeting was when multi-house funding was requested from ASCIT by Fleming. Traditionally, they would present their request and then watched for a bit, but many people got to watch their government at work. For many, I think it was the first time they got to see how our system worked and I hope they were impressed and excited by what they saw.

I feel the other notable point of the meeting was when multi-house funding was requested from ASCIT by Fleming. Traditionally, they would present their request and then watched for a bit, but many people got to watch their government at work. For many, I think it was the first time they got to see how our system worked and I hope they were impressed and excited by what they saw.

"Secretly is a little hard to come by if you’re sitting on the Olive Walk at noon."

By JOE WASEM

On Friday the 28th, the new ASCIT BoD was sworn into office. The swearing-in ceremony was the culmination of the most compet­itive ASCIT election season in his­tory. Looking forward, however, I’d like to take a look back.

One year ago, things were seemingly different. Five out of the nine mem­bers of the outgoing ASCIT BoD ran unopposed and three others had only one opponent. I remember per­sonally recruiting several of the BoD members and in some cases, I didn’t get any signatures up for the positions until the last day. Know­ing how it was then, it makes me laugh when people suggest we were power-hungry or that we wanted to pad our resumes. In fact, the members of the 2002-2003 BoD didn’t even want their jobs at all. They did them anyway and they did them incredibly well.

During the 2002 election season, things were seemingly quiet. I had expected the momentum of the pro­cess to carry over into the voting. That didn’t happen, but the gestation pe­riod for that to take place came. The primary issue wasn’t the outcome, but the way the election was run. We waited and we waited, and the votes just didn’t come. Everyone was pretty frustrated until we had a full slate.

As ASCIT President, I had two meetings this week I again met with many BoD members and officers guar­anteed at least one meeting a week to talk about how to keep each other up to date. The point of the meeting is mostly to touch base and discuss, with each other, and to discuss any issues that come up. Since this week was the first meeting, we discussed the status of the letter the Interhouse Committee and ASCIT sent a letter to the Student Assembly Committee on its role in the University. We also set aside a little time to talk about a new method of funding for the many committees and organizations. We think this system will be more effective and will allow for better funding for the many committees and organizations.

Continued on Page 5, Columns 3

The Case for War: Why America Should Enter the Middle East

By BRETT OLSEN, MICHAEL QUINN and JOE WASEM

We hold fast to the slogan that “war never solves anything." Lincoln, however, waged a just war and freed hundreds of thousands of former slaves. Roosevelt and Churchill waged a just war and freed millions of Jews, gypsies and political dissidents. Four decades of cold war freed millions of people from tyrannical regimes across the Iron Curtain. Now we are faced with a similar evil.

Will we fight evil today as we waged it in other times? Will we prevent the further death or suffering of peoples under a tyrannical regime? Those who argue that war is unjustified are hard to convince. They are against the war but justifiable if it will prevent the further death or suffering of peoples under a tyrannical regime. Those who argue that war is unjustified even to save innocents, would prefer that Hussein’s regime in Iraq should be subjected to a heavy case load while suffering Basit Khan won the only really contested seat.

Continued on Page 6, Columns 4

At CECU, You Can Be Sure the “Fine Print” is Always…Fine!

Some banks try to disguise their high-cost credit cards with “teaser rates” or introductory offers. They sound great...until you read the tiny print. That’s where our Credit Union VISA is different. We at CECU is a straightforward, honest card. No gimmicks. No hidden fees. Just:

• A low fixed rate
• No annual fee
• No cash advance fee
• No finance charge whateveron any new purchases (excluding cash advances) if your bill is paid in full within 25 days of your billing statement date
• Student credit limits from $500 to $1,000 and more.
• Plus, you can access this VISA at our on-campus ATM!!

I’d like to take this opportunity to recip­rocate their accomplishments and let you in on something that I think you’ll find extremely hard, for which they never really got much credit. I’d like to take this opportu­nity to recip­rocate their accomplishments and let you in on something that I think you’ll find extremely hard, for which they never really got much credit. I’d like to take this opportu­nity to recip­rocate their accomplishments and let you in on something that I think you’ll find extremely hard, for which they never really got much credit. I’d like to take this opportu­nity to recip­rocate their accomplishments and let you in on something that I think you’ll find extremely hard, for which they never really got much credit.
DILBERT® by Scott Adams

THE CALIFORNIA TECH FEATURES MARCH 10, 2003

ASCFT Minutes
March 5th, 2003, 12:00 p.m., Olive Walk
Present: Joana Cohen, Tom Fletcher, Manuel Gomez, Allen Marcus, Catherine Hsu, Galen Lorenz, Jeremy Plets, Anna Sten, Mark Stolz, David Vassilakos, Corna Zygourakis, Gregory Ekins, Jeremy Lebs, Tom Mannion, Alex Sheive, Anthony Sczaniecka, Andrea Vasconcellos, Noam Tabor, and Others.

Votes: No. A budget request of approximately $200 for on-campus tutoring during the Spring has been approved. The request will be funded through the ASCFT budget. The tutoring will be available during the Spring semester, and the students will be able to visit the tutor during their spare time. The tutoring will be offered in various locations throughout the campus, and students will be able to schedule appointments with the tutors in advance.

Doughnuts on Wednesday, March 12th.

Curtis, Barbara Green, Jane Greenham, and Andrea Vasconcellos will be present at the meeting. They will be discussing the collaboration policy and the proposed changes to the policy. The policy is being revised to better align with the needs of the students and the faculty.

The ASCFT will meet again on Wednesday, March 12th, at 12:00 p.m., in Olive Walk.

RE: Amnesty

Laura is moved to join the faculty. Good news.

Modern Student and Workload Survey

In preparation for the April 16th Student Faculty Conference, the Student and Workload Committee has developed a survey and the results will be presented at the conference. The survey will be administered to all students and faculty members. The survey will be available online during the week of March 10th. The survey will be distributed through the University's online survey tool. The survey will take approximately 15 minutes to complete. The results of the survey will be used to inform the conference discussions.

Each contestant is to receive a prize for a humanist essay. The prize is not to exceed $100. The prize will be awarded at the end of the conference. The prize will be presented by the Student Faculty Conference Committee.

The ASCFT is in charge of planning the conference and the prizes. The conference will be held on April 16th in the Student Union Multimedia Conference Room. The conference is open to all faculty and students.

Dilbert

To BECOME BI6NEWS!

To take Professor Rutledge out to lunch.

Finals Swing Party! Thursday, March 20, starting at nine p.m. in Avery dining hall.

The Y at x6163 is located on the first floor of the Student Services Building, south of the Holliston parking structure. If you are interested in a Y activity or have any questions about the Y, please stop by or send an e-mail to the Vice President at yrep@its.caltech.edu. Nearly all community service events qualify for Work Study at $15 an hour.
The Price of Liberty: Ricketts and Hussein

By SAM THOMSEN

“They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety.—” Benjamin Franklin, Historical Review of Pennsylvania, 1759.

Last week, student activism was unauthorized and considered inappropriate. The administration’s threat for eight continuous hours from six to two caused quite a stir on campus. The reactions of issue, but in quenching a monster, it is a small condolence that “with great power comes great responsibility.” The French philosopher Voltaire wrote, “If a strong conservative influence is going to continue the present nuclear weapon disarmament effort, we need not read the nuclear weapon destruction treaty— with Russia, reducing the number of times we can engage in the world from six to two. The United States also does not call for the destruction of any weapons, only for them to be put away. Iraq is certainly an important place, but in quenching a monster, we’ll create a levitation, sacrificing long-term goodwill for short-term alleviation. War is the last thing we yelled. “Sit down and stand up for what you believe in, don’t give in.” However dangerous Iraq may be, America is profoundly more dangerous. George Bush had seen only “Spiderman,” he might realen the United States. “That with great power comes great responsibility.” The French call America a “hyperpower.” We call them “cheese-eating surrender monkeys.”

It is a small consistency that the United States is not a nuclear weapon disarmament force. A reader in the Turkish newspaper the New York Times (3/6/4) wrote, “Russia, it has been made clear to all states, is going to continue the present nuclear weapon disarmament effort, we need not read the nuclear weapon destruction treaty—with Russia, reducing the number of times we can engage in the world from six to two. The United States also does not call for the destruction of any weapons, only for them to be put away. Iraq is certainly an important place, but in quenching a monster, we’ll create a levitation, sacrificing long-term goodwill for short-term alleviation. War is the last thing we yelled. “Sit down and stand up for what you believe in, don’t give in.” However dangerous Iraq may be, America is profoundly more dangerous. George Bush had seen only “Spiderman,” he might realen the United States. “That with great power comes great responsibility.” The French call America a “hyperpower.” We call them “cheese-eating surrender monkeys.”

It is a small consistency that the United States is not a nuclear weapon disarmament force. A reader in the Turkish newspaper the New York Times (3/6/4) wrote, “Russia, it has been made clear to all states, is going to continue the present nuclear weapon disarmament effort, we need not read the nuclear weapon destruction treaty—with Russia, reducing the number of times we can engage in the world from six to two. The United States also does not call for the destruction of any weapons, only for them to be put away. Iraq is certainly an important place, but in quenching a monster, we’ll create a levitation, sacrificing long-term goodwill for short-term alleviation. War is the last thing we yelled. “Sit down and stand up for what you believe in, don’t give in.” However dangerous Iraq may be, America is profoundly more dangerous. George Bush had seen only “Spiderman,” he might realen the United States. “That with great power comes great responsibility.” The French call America a “hyperpower.” We call them “cheese-eating surrender monkeys.”

It is a small consistency that the United States is not a nuclear weapon disarmament force. A reader in the Turkish newspaper the New York Times (3/6/4) wrote, “Russia, it has been made clear to all states, is going to continue the present nuclear weapon disarmament effort, we need not read the nuclear weapon destruction treaty—with Russia, reducing the number of times we can engage in the world from six to two. The United States also does not call for the destruction of any weapons, only for them to be put away. Iraq is certainly an important place, but in quenching a monster, we’ll create a levitation, sacrificing long-term goodwill for short-term alleviation. War is the last thing we yelled. “Sit down and stand up for what you believe in, don’t give in.” However dangerous Iraq may be, America is profoundly more dangerous. George Bush had seen only “Spiderman,” he might realen the United States. “That with great power comes great responsibility.” The French call America a “hyperpower.” We call them “cheese-eating surrender monkeys.”

It is a small consistency that the United States is not a nuclear weapon disarmament force. A reader in the Turkish newspaper the New York Times (3/6/4) wrote, “Russia, it has been made clear to all states, is going to continue the present nuclear weapon disarmament effort, we need not read the nuclear weapon destruction treaty—with Russia, reducing the number of times we can engage in the world from six to two. The United States also does not call for the destruction of any weapons, only for them to be put away. Iraq is certainly an important place, but in quenching a monster, we’ll create a levitation, sacrificing long-term goodwill for short-term alleviation. War is the last thing we yelled. “Sit down and stand up for what you believe in, don’t give in.” However dangerous Iraq may be, America is profoundly more dangerous. George Bush had seen only “Spiderman,” he might realen the United States. “That with great power comes great responsibility.” The French call America a “hyperpower.” We call them “cheese-eating surrender monkeys.”

It is a small consistency that the United States is not a nuclear weapon disarmament force. A reader in the Turkish newspaper the New York Times (3/6/4) wrote, “Russia, it has been made clear to all states, is going to continue the present nuclear weapon disarmament effort, we need not read the nuclear weapon destruction treaty—with Russia, reducing the number of times we can engage in the world from six to two. The United States also does not call for the destruction of any weapons, only for them to be put away. Iraq is certainly an important place, but in quenching a monster, we’ll create a levitation, sacrificing long-term goodwill for short-term alleviation. War is the last thing we yelled. “Sit down and stand up for what you believe in, don’t give in.” However dangerous Iraq may be, America is profoundly more dangerous. George Bush had seen only “Spiderman,” he might realen the United States. “That with great power comes great responsibility.” The French call America a “hyperpower.” We call them “cheese-eating surrender monkeys.”
THE CALIFORNIA TECH
March 10, 2003

COMMENTARY

End Hussein's Power-Hungry Madness Now

Continued from Page 3, Column 3

a single dissenting voice. Are there these marks of a free people?...

Right Wing, Ricketts 'Fifty Spirit Effective Against Apathy

BY KIM HISCOC

Last week, the members of Ricketts House continued their on-going battle with the administration by staging two protests that gained national attention and drew students alike. These actions stirred the Caltech community and signifi-

cantly increased undergraduate campus-wide solidarity.

The first protest was in the Pit, which was not as well-known or as easily visible as the second. It had posted security guards outside Vice President of Student Affairs Margo Mager's office at 8 p.m. and secretary, five p.m. in response to the require-
mendments that the student body must agree to if they are to have security for the weekend at APC.

Ricketts' House president Natalia Deligne described the protest, stat-

ing that, "we have house members staying in last night...we had two people per hour sit outside of the Pit until 12:15 a.m. and we kept watching, all day." Deligne agreed that this protest was not as visible to the stu-
dent body as the later protest invol-
v...
Teams Recognize Departing Seniors

By BRENTON REGER

**Men's Basketball**
Caltech (1-23)......43
Occidental......96

The team this week offered its congratulations to its graduating seniors.

Among them, Jon Wall ‘03 was a welcomed and much-needed addition to the basketball program in his only season of participation. Wall displayed great value and enthusiasm for the game and for the program, distinguishing himself from six-foot-four to six-foot-eight and although he is six-foot-four, Wall distinguished himself admirably with his play. He played with pain and continually demonstrated a physical resiliency to the rigors of a long, tough season. Wall diligently, selflessly applied himself to improving, making himself a better player and his team a better team.

Fellow senior and captain Jon Bird ‘03 endured a most frustrating final season. As a junior he was a second-team selection to the SCIAC All-Conference Team. A physical inside player possessing specific strengths in inside scoring and rebounding, Bird was limited by injuries throughout the season. On at least four occasions his shoulder “popped-out,” forcing him to miss an inordinate amount of practices and games. That Bird played last week in his 60th game of the season is purely a testament to his toughness, determination and competitive spirit.

Earlier this month, Jon scored his 1000th career point at Redlands, further distinguishing a fine career for one of Caltech’s best players historically. Senior and co-captain Matt Mayernik ‘03 has also demonstrated great strength in his performance this season, proving to be a reliable versatile offensive performer.

Further, Mayernik’s impressive contributions bring his physical and mental toughness. One indication of his worth is that no one player could replace his tangible and intangible contributions; it fell upon many.

The final game for Caltech’s Matt Zaruki ‘03 was one of the team’s’ triumphs over Dartmouth to avoid debilitating injuries. The daily mantle of leadership fell to Zaruki with the championship season on the line. Zaruki brings spirit, focus and leadership. He did not shrink from this responsibility, despite often intense pressure.

Teammates said it has been a pleasure to observe his growth into a finesse leader of the basketball team. He is a role model without peer. He consistently arrived early to practice to prepare himself for the practice ahead as well as to work on his personal skills. A coach’s dream for his relatable nature, hard and executing to the best of his ability every day, Mike made his presence felt.

Track and Field
Kamalalah Chung ’03 ran several personal bests this weekend in the 3000-meter steeplechase with 12:12.65; the 5000-meter with 15:18.63; and the 5000-meter in 19:55.33. Her time in the steeplechase set a new school record for the women’s steeplechase, outdoing the previous best—also hers—by 52 seconds.

For her efforts, the leadshow also took home this week’s Athlete of the Week honor.

The track and field team play their final home weekend this at Fox Stanton Track.

SympoSIM IUM S E T A F O R P R O F I L E

By ROBERT TENDOL

Every field of science has its own language, every scientist a way of speaking that, unless you are in the know, is packed with jargon and mystery. To help tomorrow’s scientists explain to us what they do, a Science Writing Symposium on April 7 will feature a team of writing specialists ranging from professors to journal writers to freelance authors.

The symposium is part of the Words Matter project, which aims to cultivate students’ interests in writing in its varied forms and help encourage appreciation for many ways in which words, indeed, matter. The symposium is especially intended for students in science writing courses.

**Women’s Basketball**
Caltech (3-22)......37
Occidental......51

Women’s basketball shined in its last home game Saturday against Occidental in an admirable 57-51 loss. They then traveled to Pomona to close out the season Mayernik suffered a season-ending knee injury. His presence was sorely missed. From the season’s first game, it was evident that Mayernik was its best interior defender and a reliable versatile offensive performer.

Further, Mayernik’s impressive contributions bring his physical and mental toughness. One indication of his worth is that no one player could replace his tangible and intangible contributions; it fell upon many.

**Men’s Basketball**
Caltech (1-9)......2
Redlands......21

The Beavers played well defensively this week but struggled offensively, scoring only three runs over the course of the week. Pitchers for the week were Isaac Gremmer ’05 and Jon Conner ’05.

**Men’s Golf**
Caltech (0-3)......367
Chapman......322

**Men’s Tennis**
Caltech (6-2)......0
CMS......7

**Women’s Tennis**
Caltech (0-9)......8
Chapman......8
Caltech......9

A member of Caltech’s chess team ponders his next move in last Sunday’s internet battle with MIT. Caltech won, five to three.

Does your old health plan fit the new you?

If you are in-between jobs, have just gotten married, had a child, or experienced another significant life change, make sure you have the health care coverage that fits the new you. With Blue Shield of California’s Deductible PPO Plan you can choose from among four annual deductible levels, so you’re certain to find a plan that meets your needs and budget. Call today to compare coverage and see how affordable a Blue Shield Deductible PPO plan can be:

(626) 792-4219

Your Trusted Source for College Fundraising.

Naveen’s Creations
Fine Handmade Jewelry

18 North Maitland Avenue
Pasadena, CA 91107
(818) 354-2819.

Your Life. Your Shield.

Due to an unforeseen change in coverage, some players made uncharacteristic mistakes and MIT was able to secure some victory. Of particular note for Caltech were the performances of Clark Guo ’06 and Stuart Ward ’06, who lined up some of Caltech’s best players for the week.

**Women’s Basketball**

Women’s basketball season ended a most frustrating final season. As a junior he was a second-team selection to the SCIAC All-Conference Team. A physical inside player possessing specific strengths in inside scoring and rebounding, Bird was limited by injuries throughout the season. On at least four occasions his shoulder “popped-out,” forcing him to miss an inordinate amount of practices and games. That Bird played last week in his 60th game of the season is purely a testament to his toughness, determination and competitive spirit.

Earlier this month, Jon scored his 1000th career point at Redlands, further distinguishing a fine career for one of Caltech’s best players historically. Senior and co-captain Matt Mayernik ‘03 has also demonstrated great strength in his performance this season, proving to be a reliable versatile offensive performer.

Further, Mayernik’s impressive contributions bring his physical and mental toughness. One indication of his worth is that no one player could replace his tangible and intangible contributions; it fell upon many.

The final game for Caltech’s Matt Zaruki ‘03 was one of the team’s triumphs over Dartmouth to avoid debilitating injuries. The daily mantle of leadership fell to Zaruki with the championship season on the line. Zaruki brings spirit, focus and leadership. He did not shrink from this responsibility, despite often intense pressure.

Teammates said it has been a pleasure to observe his growth into a finesse leader of the basketball team. He is a role model without peer. He consistently arrived early to practice to prepare himself for the practice ahead as well as to work on his personal skills. A coach’s dream for his relatable nature, hard and executing to the best of his ability every day, Mike made his presence felt.

Track and Field
Kamalalah Chung ’03 ran several personal bests this weekend in the 3000-meter steeplechase with 12:12.65; the 5000-meter with 15:18.63; and the 5000-meter in 19:55.33. Her time in the steeplechase set a new school record for the women’s steeplechase, outdoing the previous best—also hers—by 52 seconds.

For her efforts, the leadshow also took home this week’s Athlete of the Week honor.

The track and field team play their final home weekend this at Fox Stanton Track.

**Women’s Basketball**
Caltech (3-22)......37
Occidental......51

Women’s basketball shined in its last home game Saturday against Occidental in an admirable 57-51 loss. They then traveled to Pomona to close out the season.

**Women’s Basketball**
Caltech (3-22)......37
Occidental......51

Women’s basketball shined in its last home game Saturday against Occidental in an admirable 57-51 loss. They then traveled to Pomona to close out the season.

**Women’s Basketball**
Caltech (3-22)......37
Occidental......51

Women’s basketball shined in its last home game Saturday against Occidental in an admirable 57-51 loss. They then traveled to Pomona to close out the season.

**Women’s Basketball**
Caltech (3-22)......37
Occidental......51

Women’s basketball shined in its last home game Saturday against Occidental in an admirable 57-51 loss. They then traveled to Pomona to close out the season.
Local Elections Held
For Mayor, Measures

**BY TAMMY MA**

Local voters headed to the polls last Tuesday to elect a mayor for Pasadena, candidates to the seats in the City Council, three seats on the board of the Pasadena Unified School District and on three measures.

In the Pasadena Mayoral Election, incumbent Bill Bogard beat out Philip Kheelo 84.6% to 15.3%. Mayor Bogard promises to continue to lead the city through a period of rapid development, with thereta Gold Line scheduled to begin operations this year, to move forward with plans to expand the Burbank-Glendale-Pasadena Air.

Four districts in Pasadena held City Council elections. In District one, Joyce Strauss (Incumbant) won the seat with 71.1% of the votes to opponent Arthur Dennis Crabo 28.9%. In District two, incumbent Paul Little also won, with 84.7% of the vote, defeating Gladys Soto to seat four. Christine beat out two other opponents with 43.3% of the votes, Ed Boeckel and Peter Soeter ran unopposed for seats two and six, respectively.

In the South Pasadena City Council election, the three seats were down to one, with Tedia Stamps and David Margrave. Incumbent David Rose received the fewest votes of the six candidates that were running with only 8.8% of the vote.

South Pasadena failed to pass Measure S, the utility tax, with only 55.2% voting yes (a 2/3 approval was needed). Measure S proposed a 1.8% property tax rate for 10 years that would be earmarked solely for South Pasadena.

Measure B aimed to change the city charter to allow benefits to continue regardless of marital status. 51.0% voted yes, 48.9% voted no.

The two Pasadena measures can only be conducted by mail. Instead of going to the polls on election day, voters would have two to three weeks before then to mail their ballots to the city or drop it off at a predetermined site. 48.9% of voters voted yes, while 51.1% voted no.

Measure B aimed to change a provision in the Fire and Police Retirement System that terminates monthly pensions to a surviving spouse of a deceased firefighter or police officer when the surviving spouse remarries. Measure B would allow benefits to continue regardless of marital status. 51.0% voted yes, 48.9% voted no.

The Pasadena Unified School District Board welcomed Christine Crabo to the board. Two other opponents with 43.3% of the votes, Prentice Desaulis and Pat Coakley ran unopposed for seats two and six, respectively.

There was apparently a discussion between David Baltimore and some of the protestors. Former Ricketts President Juan Rodriguez '03 was one of the main Ricketts members to debate David Baltimore. He felt that Caltech administration had acted too quickly in this case and was upset that despite calling for mutual respect, David Baltimore had refused to respond to letters about the issue.

Additionally, Mitchell was angered by a comment by David Baltimore over the issue of the senate. David Baltimore said that the senate was more than 10,000 elementary, middle and high schools as well as colleges and universities from all 50 U.S. states and more than 100 countries, celebrated the importance of sportsmanship and detail their progress over the course of a semester or season. The "Drive to Play Fair" CD-ROM is a project made possible by a grant from the Office of Juvenile Justice and Delinquency Prevention.

Sports Ethics Fellows are selected in conjunction with the Institute's "Drive to Play Fair" program celebrated annually on the first Tuesday of March. As part of the 13th annual event, held last Tuesday, more than 10,000 elementary, middle and high schools as well as colleges and universities from all 50 U.S. states and more than 100 countries, celebrated the importance of ethics, honesty, peaceful conflict resolution and fair play in athletics and society. National Sportsmanship Day was conceived to raise awareness about issues related to sportsmanship and ethics in athletics and daily life, as well as to stimulate meaningful dialogue among school administrators, coaches, teachers and students. Russell Hogg, chairman of the Board of the Trustees of the Institute for International Sport, said, "This has become the biggest sportsmanship initiative in the world and its success confirms what the power of an idea can achieve."

In addition, The Institute for International Sport is coordinating NSF celebration events in six cities in South America and Europe. Former Providence College all-America basketball star Marvin Barnes will be the featured speaker at school festivals in South Carolina, Pennsylvania, Providence, Rhode Island. There will also be special events in East Hartford, Connecticut, Boston and Worcester, Massachusetts.

One of the highlights of National Sportsmanship Day is the USA Today Sportsmanship Essay Contest. Winning essays were printed in the March 4 edition of USA Today. Another highlight is the "Drive to Play Fair" CD-ROM, an interactive graphic story that contains four 45-minute lessons, designed to instruct teachers, coaches and students on the ideas of sportsmanship and detail their progress over the course of a semester or season. The "Drive to Play Fair" CD-ROM is a project made possible by a grant from the Office of Juvenile Justice and Delinquency Prevention.

NISD "Dare to Play Fair" is a project made possible by a grant from the Office of Juvenile Justice and Delinquency Prevention. NSF is a program of the Institute for International Sport founded in 1987 to promote ethical and educational values in sports, and to stimulate meaningful dialogue among school administrators, coaches, teachers and students.

Sports Ethics Fellows are selected in conjunction with the Institute's "Drive to Play Fair" program celebrated annually on the first Tuesday of March. As part of the 13th annual event, held last Tuesday, more than 10,000 elementary, middle and high schools as well as colleges and universities from all 50 U.S. states and more than 100 countries, celebrated the importance of ethics, honesty, peaceful conflict resolution and fair play in athletics and society. National Sportsmanship Day was conceived to raise awareness about issues related to sportsmanship and ethics in athletics and daily life, as well as to stimulate meaningful dialogue among school administrators, coaches, teachers and students. Russell Hogg, chairman of the Board of the Trustees of the Institute for International Sport, said, "This has become the biggest sportsmanship initiative in the world and its success confirms what the power of an idea can achieve."

In addition, The Institute for International Sport is coordinating NSF celebration events in six cities in South America and Europe. Former Providence College all-America basketball star Marvin Barnes will be the featured speaker at school festivals in South Carolina, Pennsylvania, Providence, Rhode Island. There will also be special events in East Hartford, Connecticut, Boston and Worcester, Massachusetts.

One of the highlights of National Sportsmanship Day is the USA Today Sportsmanship Essay Contest. Winning essays were printed in the March 4 edition of USA Today. Another highlight is the "Drive to Play Fair" CD-ROM, an interactive graphic story that contains four 45-minute lessons, designed to instruct teachers, coaches and students on the ideas of sportsmanship and detail their progress over the course of a semester or season. The "Drive to Play Fair" CD-ROM is a project made possible by a grant from the Office of Juvenile Justice and Delinquency Prevention.

NISD "Dare to Play Fair" is a program of the Institute for International Sport founded in 1987 to promote ethical and educational values in sports, and to stimulate meaningful dialogue among school administrators, coaches, teachers and students. Russell Hogg, chairman of the Board of the Trustees of the Institute for International Sport, said, "This has become the biggest sportsmanship initiative in the world and its success confirms what the power of an idea can achieve."

In addition, The Institute for International Sport is coordinating NSF celebration events in six cities in South America and Europe. Former Providence College all-America basketball star Marvin Barnes will be the featured speaker at school festivals in South Carolina, Pennsylvania, Providence, Rhode Island. There will also be special events in East Hartford, Connecticut, Boston and Worcester, Massachusetts.

One of the highlights of National Sportsmanship Day is the USA Today Sportsmanship Essay Contest. Winning essays were printed in the March 4 edition of USA Today. Another highlight is the "Drive to Play Fair" CD-ROM, an interactive graphic story that contains four 45-minute lessons, designed to instruct teachers, coaches and students on the ideas of sportsmanship and detail their progress over the course of a semester or season. The "Drive to Play Fair" CD-ROM is a project made possible by a grant from the Office of Juvenile Justice and Delinquency Prevention.

NISD "Dare to Play Fair" is a program of the Institute for International Sport founded in 1987 to promote ethical and educational values in sports, and to stimulate meaningful dialogue among school administrators, coaches, teachers and students. Russell Hogg, chairman of the Board of the Trustees of the Institute for International Sport, said, "This has become the biggest sportsmanship initiative in the world and its success confirms what the power of an idea can achieve."

In addition, The Institute for International Sport is coordinating NSF celebration events in six cities in South America and Europe. Former Providence College all-America basketball star Marvin Barnes will be the featured speaker at school festivals in South Carolina, Pennsylvania, Providence, Rhode Island. There will also be special events in East Hartford, Connecticut, Boston and Worcester, Massachusetts.

One of the highlights of National Sportsmanship Day is the USA Today Sportsmanship Essay Contest. Winning essays were printed in the March 4 edition of USA Today. Another highlight is the "Drive to Play Fair" CD-ROM, an interactive graphic story that contains four 45-minute lessons, designed to instruct teachers, coaches and students on the ideas of sportsmanship and detail their progress over the course of a semester or season. The "Drive to Play Fair" CD-ROM is a project made possible by a grant from the Office of Juvenile Justice and Delinquency Prevention.

NISD "Dare to Play Fair" is a program of the Institute for International Sport founded in 1987 to promote ethical and educational values in sports, and to stimulate meaningful dialogue among school administrators, coaches, teachers and students. Russell Hogg, chairman of the Board of the Trustees of the Institute for International Sport, said, "This has become the biggest sportsmanship initiative in the world and its success confirms what the power of an idea can achieve."

In addition, The Institute for International Sport is coordinating NSF celebration events in six cities in South America and Europe. Former Providence College all-America basketball star Marvin Barnes will be the featured speaker at school festivals in South Carolina, Pennsylvania, Providence, Rhode Island. There will also be special events in East Hartford, Connecticut, Boston and Worcester, Massachusetts.

One of the highlights of National Sportsmanship Day is the USA Today Sportsmanship Essay Contest. Winning essays were printed in the March 4 edition of USA Today. Another highlight is the "Drive to Play Fair" CD-ROM, an interactive graphic story that contains four 45-minute lessons, designed to instruct teachers, coaches and students on the ideas of sportsmanship and detail their progress over the course of a semester or season. The "Drive to Play Fair" CD-ROM is a project made possible by a grant from the Office of Juvenile Justice and Delinquency Prevention.

NISD "Dare to Play Fair" is a program of the Institute for International Sport founded in 1987 to promote ethical and educational values in sports, and to stimulate meaningful dialogue among school administrators, coaches, teachers and students. Russell Hogg, chairman of the Board of the Trustees of the Institute for International Sport, said, "This has become the biggest sportsmanship initiative in the world and its success confirms what the power of an idea can achieve."

In addition, The Institute for International Sport is coordinating NSF celebration events in six cities in South America and Europe. Former Providence College all-America basketball star Marvin Barnes will be the featured speaker at school festivals in South Carolina, Pennsylvania, Providence, Rhode Island. There will also be special events in East Hartford, Connecticut, Boston and Worcester, Massachusetts.

One of the highlights of National Sportsmanship Day is the USA Today Sportsmanship Essay Contest. Winning essays were printed in the March 4 edition of USA Today. Another highlight is the "Drive to Play Fair" CD-ROM, an interactive graphic story that contains four 45-minute lessons, designed to instruct teachers, coaches and students on the ideas of sportsmanship and detail their progress over the course of a semester or season. The "Drive to Play Fair" CD-ROM is a project made possible by a grant from the Office of Juvenile Justice and Delinquency Prevention.

NISD "Dare to Play Fair" is a program of the Institute for International Sport founded in 1987 to promote ethical and educational values in sports, and to stimulate meaningful dialogue among school administrators, coaches, teachers and students. Russell Hogg, chairman of the Board of the Trustees of the Institute for International Sport, said, "This has become the biggest sportsmanship initiative in the world and its success confirms what the power of an idea can achieve."

In addition, The Institute for International Sport is coordinating NSF celebration events in six cities in South America and Europe. Former Providence College all-America basketball star Marvin Barnes will be the featured speaker at school festivals in South Carolina, Pennsylvania, Providence, Rhode Island. There will also be special events in East Hartford, Connecticut, Boston and Worcester, Massachusetts.