Certainly not politics as usual

Controversy and uncertainty prove that all votes are equal, just some are more equal than others.

BY LISA WANG

Three days after we headed to the polls, America still hasn't found a president. As everyone anxiously waits in suspense, one thing is sure: this election is for the history books.

Currently deadlocked at 49%-versus-49%, with Bush leading the ongoing Florida recounts by a 229 margin and Gore leading in the nationwide popular vote, the election results are changing by the minute. The ballot recounts from Florida, the ultimate battleground in this election, cannot be finalized until November 17 at the earliest, say Florida State election officials.

Those who were transfixed in front of TV sets and computer screens late Tuesday night know just how agonizingly the election returns came in. The media traced Bush's victories through out the south and the west, and Gore's embarrassing losses in Arkansas and Tennessee, his home state. By the end of Tuesday night, with votes from Florida, Oregon and New Mexico still uncounted, Gore held 260 electoral votes while Bush had 246. But Florida's 25 electoral votes were still up for grabs and could pull either candidate above the 270 electoral vote line required to win the election. Some news agencies announced early on, based on exit poll data, that Gore had taken Florida, then later switched to announce that Bush had won in the final count.

For several hours, the world thought that Bush had claimed the presidency; several online news sites and early editions of some papers proclaimed a winner, and Gore himself phoned Bush with his concession. When Gore failed to show up at his 4:00 AM EST concession gathering in Nashville, however, TV networks began rescinding their premature election calls. Since the election was so close, Florida law mandated a recount. (Bush led Gore by only 1200 votes out of 6 million cast and 5000 votes remained uncounted). Gore called Bush again to rescind his concession in light of the development, and the vote remained open.

David Lee and Sally Ride join Caltech's Board of Trustees

BY ROBERT LI

Sally Ride, the first American woman in space, and David Lee, leading businessman in telecommunications, have been elected to Caltech's Board of Trustees.

Dr. Sally Ride is a graduate of Stanford University with dual bachelor's degrees in English and physics as well as master's and doctoral degrees in astrophysics. In 1978, she was one of the first six women to be admitted to NASA's astronaut program. Five years later, Dr. Sally Ride, as a crew member of the space shuttle Challenger, became the first American woman to go into space. After the Challenger explosion in 1986, Dr. Ride served on the Presidential commission investigating the disaster. The next year, she retired from the astronaut program.

Currently, Dr. Sally Ride is a professor of physics and the Director of the California Space Institute at UC San Diego. She is also involved with the Kilsat program at JPL.

A graduate of McGill University, Dr. Lee received a doctorate in physics with a minor in economics from Caltech. In 1997, he co-founded Global Crossing, a communications company that is building a revolutionary fiber-optic IP-telephony network across the world. Dr. Lee established the Center of Advanced Networking at Caltech as well as a similar facility in National Chia Tung University in Taiwan. Recently, he co-founded and is the Managing General Partner of Clarity Partners, an investment and venture capital firm.

Dr. Lee currently serves on the Board of Overseers of the University of Southern California Keck School of Medicine. He also serves on the Board of Global Crossing Ltd. and New Focus, Inc.

The Board of Trustees of the California Institute of Technology, with over 70 members, is the body that provides guidance and leadership to the Institute's research and academic programs.
LETTERS TO THE EDITOR

Is Caltech misrepresented?

Last week’s edition of The California Tech had two articles, in which it seemed to show the two polarized views of Caltech: one, written by a student, describing some less-than-perfect aspects of Caltech, and the second, written by Dean Revel, attempting to show us that everything is "hunky-dory." Let it be known, Dean Revel, that everything is not "hunky-dory."

The student, a frosh, complained about the lack of sleep due to overwork. I shall begin by saying that I am a frosh and think you have a lot of work now, just wait until you become a sophomore and things really begin to get tough. But with that said, the student has a good point. We need 486 units to graduate, which, as many of you probably know, translates to 40.5 units per term. Since I don’t know of any courses which average 4.5 units, most of us take a not-crazy-for-Tech workload of 45 units, or five classes. And don’t even start me on the fact that most of our classes here are severely underenrolled; I know what a 40 to 50 hour per week job is like, and it is much, much, much less time than I currently spend on homework.

Now, let us compare this to a workload at another well-known and rigorous school which is on a 10-week term trimester: Carleton College in Northfield, MN. And I quote: "Students usually carry three courses each term." Three. Imagine your life if you had only three courses. What could you do? Well, for starters, you could actually learn the material, and muster it, instead of having to cram constantly because the fire-hose never shuts off. And then you could exercise the social, or creative, or whatever, side of your life that gets silenced the minute you realize you have five problem sets due the next day.

Dean Revel brings up a couple of points which need to be re­

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There’ll be a lot of student-faculty interaction, since that’s what that ratio seems to imply!"

Now let me ask: how much student-faculty interaction have you had this week, month, term, year? I can say resoundingly: none. Again, Dean Revel mentions that "we have the best fac­

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BUILDING AN INTELLIGENT PORTFOLIO

one which gives out homework sets which take twice as long as the class is done. I do not con­

sider a good teaching school one which leaves a large number of its students left to TAs for ex­

planations, a number of whom (though without fault of their own) are unable to speak English clearly. This is not to say that all Caltech faculty are horrible pro­

fessors; I have had a few pro­

fessors whom I would consider exceptional (although a large percentage of those were visiting faculty or non-professorial level).

Second, Dean Revel mentions that "students will often be attracted by the research opportu­

nities." Yes, Dean Revel, I am one of those students who was attracted to Caltech because of its research opportunities. I was extremely excited by the thought that I would have the ability to do research during the school year as early as my freshman year. At this point, I shall quote the Dean’s next sentence: “At Caltech anyway, many, if not the majority of, students spend a lot of time doing research in vari­

ous professors’ laboratories.” This, Dean Revel, is blatantly false, based on my experience. In my circle of friends, not one of them is doing out-of-class re­

search. I have only done six units of research my entire time here, which is significantly less than I had hoped to do. Yes, many of us do research during the summer. However, another coming to the point made a few paragraphs above, many of us are unable to do research during the school year because of the insane workload. In no way do we as much school-year re­

search as at someplace like MIT, with its excellent UROP program. What’s the point of com­

ing to a top-notch research school with top-notch research faculty if we are unable to do research on a regular basis?

Caltech has not even begun to fulfill the expectations I created when I was searching for the best college. Unfortunately, it was grossly misrepresented to me, and I feel it’s a majority of my fellow students. Instead of presenting the average Techer, the glossy brochures showed us the exception to the rule. It is important that the admission office cease marketing an incorrect image and begin telling prospective students the truth of life as a Techer.

-Aonymous

You’re invited to a FREE Financial Education Seminar, sponsored by TIAA-CREF.

TIAA-CREF Asset Allocation and Web Center Demo

Choosing the right mix of investments is one of the keys to long-term performance. Learn the principles behind design­

ing a sound retirement portfolio from a TIAA-CREF Consultant will help you create a retirement plan that suits your goals, needs, and risk tolerance. You can also learn how to access your personal TIAA-CREF account online at our Web Center demo.

Date: Wednesday, November 15, 2000
Time: 6:30 p.m. - 8:00 p.m.
Place: Caltech Beckman Institute Auditorium
R.S.V.P: Call our automated reservation line at 1-877-209.3140, ext. 2624 or, sign up on our website.

For more complete information on our securities products, please call 1-800-342-2723, ext. 5595, to request prospectuses. Read them carefully before you invest. TIAA-CREF Individual and Institutional Services, Inc. distributes the CREF and TIAA Real Estate variable annuities. Teachers Personal Investment Services, Inc. distributes the Personal Annuities variable annuity component, mutual funds and tuition savings agreements. TIAA-CREF Life Insurance Co., New York, NY, issue insurance and annuities. TIAA-CREF Trust Company, FSB provides trust services. Investment products are not FDIC insured, may lose value and are not bank guaranteed. © 2000 TIAA-CREF S0613

The California Tech

November 10, 2000

2 Letters

RETURN TO THE TOP OF THE PAGE
JOIN US FOR PIZZA AND A CHANCE TO WIN AN MP3 PLAYER!

Information session:
Wednesday November 15, 4-6 p.m.
Career Development Center, 3rd Floor
414 South Holliston Avenue

Interview Day:
Thursday November 16
Career Development Center
414 South Holliston Avenue

Increase your chances of winning an MP3 player by e-mailing your resume to recruiting@limegroup.com
ELECTION:

Tally serious, as demonstrators in Palm Beach County, Florida, are protesting what they perceive as an unfair and confusing ballot, and both sides are complaining about the other. One thing that is provided for by the constitution is what happens if for some reason some members of the electoral college do not participate. Such a situation is conceivable, since if the operation would be fatal for one of them. As the parents’ wishes, doctors performed an operation to separate twin girls joined at the abdomen. That makes 42% of eligible voters (national average is 52%).

Join us for a Company presentation/ Information session

Date: Thursday, November 16
Time: 4:00 PM to 6:00 PM
Place: Caltech Career Development Center conference room.

Dress casual. Afterwards, enjoy food and beverages with Honeywell recruiters and employees at an informal mixer. Interviews will be held Friday, November 17 on the 3rd floor in the Career Development Center. You may sign up at www.recruit.caltech.edu

Honeywell is an equal opportunity employer committed to a diverse workforce and a drug-free environment.

LA COUNTY ELECTION RESULTS

State Offices and Measures:

- ASSESOR: RICK AUREBACH 754,961 38.33
- YOLANDA T. SALAZAR 307,861 15.62
- JOHN LYNCH 158,758 8.06
- JOHN Y. WONG 157,463 7.99

- 32 - VETERANS’ BOND ACT YES 1,581,502 76.06
- NO 708,582 30.94

- 34 - CAMPAIGN SPENDING LIMITS YES 1,577,379 71.62
- NO 857,778 38.38

- 35 - PUBLIC WORKS PROJECTS YES 1,160,971 54.60
- NO 1,088,801 48.40

- 36 - DRUG PROHIBITION/TREATMENT YES 1,518,917 65.29
- NO 807,640 34.71

- 38 - SCHOOL VOUCHERS YES 648,746 26.85
- NO 1,707,411 73.15

- 39 - SCHOOL FACILITIES 55% VOTE YES 1,525,606 56.72
- NO 1,041,409 43.28

Los Angeles County Offices and Measures:

- DISTRICT ATTORNEY STEVE COOLEY 1,348,005 63.69
- GIL GARCETTI 768,611 36.31

ELECTION STATISTICS

- TOTAL PRECINCTS 4,963 100.00
- REGISTRATION 4,075,037
- ABSENTEE TOTAL 425,861
- BALLOTS CAST/TURNOUT 2,583,715 65.40

Meanwhile, at Caltech:

Out of 55 students: 50 (91%) were eligible to vote and 5 were not. Out of the 50 eligible: 40 (80%) were registered and 10 were not. Out of the 40 registered: 21 (55%) actually voted and 19 did not. That makes 42% of eligible voters (national average is 52%).

Out of 21 votes: 11 (52%) Gore, 6 (29%) Bush, 2 (10%) Nader, 2 (10%) other.

The Outside World

by Erik Dill

Manchester, England - Going against the parents’ wishes, doctors performed an operation to separate twin girls joined at the abdomen. Since the girls shared a heart and lungs, it was previously known that the operation would be fatal for one of them. As predicted, the weaker twin died, though the other one was reported in "critical but stable" condition.

Jerusalem, Israel - A Palestinian fishing boat exploded next to an Israeli patrol ship in a failed suicide bombing. An Israeli helicopter gunship attacked a van with rockets, killing Palestinian militia leader Hussein Abuayat. Clinton is trying to patch peace back together. So far 202 people have died.

Iran - A 1,000 student pro-democracy demonstration at Tehran University ended peacefully, though policemen arrested several students after they left the area.

Bellevue, Nebraska - Dr. LeRoy Carhart, who successfully challenged Nebraska’s ban on partial-birth abortions as excessively vague, may lose his clinic. Opponents bought the building with the partial intent of displacing his practice.

Washington, D.C. - The FDA banned phenylpropanolamine, found in cold remedies and diet suppressants, citing studies which link the compound to an increased risk of heart attack.

Honeywell: Imagination Required.

To build a global $25 billion leader takes more than superior products, systems and services — it takes imaginative perspectives from unique individuals of various backgrounds. Our team makes a difference in every aspect of our business and their innovative ideas help us sustain our competitive edge. Maybe it’s time you join us.

Join us for a Company presentation/Information session

Date: Thursday, November 16
Time: 4:00 PM to 6:00 PM
Place: Caltech Career Development Center conference room.

Dress casual. Afterwards, enjoy food and beverages with Honeywell recruiters and employees at an informal mixer. Interviews will be held Friday, November 17 on the 3rd floor in the Career Development Center. You may sign up at www.recruit.caltech.edu

Stretch Your Imagination.

Honeywell is an equal opportunity employer committed to a diverse workforce and a drug-free environment.

HEDDA GABLER

by Henrik Ibsen

Translated by Eva Le Gallienne

Directed by Shirley Marnas

Fri., Nov. 3, 10, 17 at 8 p.m. - Sat., Nov. 4, 11, 18 at 8 p.m.
Sun., Nov. 5, 12, 19 at 2 p.m.
Dabney Lounge on the Caltech Campus

Handicapped parking available. Persons with disabilities (626) 395-7312 (TDD)
(313) 963-3300
(313) 963-3000

$15 General admission
$10 Students with current ID
GROUP DISCOUNTS AVAILABLE
Caltech Ticket Office
322, Michigan Ave., Pasadena
(626) 395-8842 or (626) 395-8842
www.caltech.edu/events
The Ticket Stub

by Justin Ho

Requiem for a Dream (A)

Rated NR: for material which would otherwise connote an NC-17 rating

Does anyone remember the movie π from 1998? The film in which a reclusive mathematician believed he could use math to predict every conceivable phenomenon in the world, especially the pattern of the stock market? He hit an impasse somewhere, a number outputted that caused computers to crash and that put a faction of Hassidic Jews in a frenzy because it was a direct translation of God's cian believed he could use math to predict every conceivable phenomenon in the world, especially the pattern of the stock market? He hit an impasse somewhere, a number outputted that caused computers to crash and that put a faction of Hassidic Jews in a frenzy because it was a direct translation of God's

Are you a freshman, sophomore, or junior who wants a meaningful, research-based summer internship? Are you interested in the Japanese culture? Visit us at 414 S Holliston Avenue, 3rd floor conference room

Contact Angela Wood (ext. 6364) at the Career Development Center for more information.

November 10, 2000

The Ticket Stub

Are you graduating in 2001?

Over 200 companies will be recruiting on-campus this year. Beginning November 1st, many companies will be interviewing BS candidates. Sign up NOW! Don’t miss out on these companies coming this fall.

When: Friday – November 17, 2000
12:00 noon to 1:00 PM

Where: Career Development Center
414 S. Holliston Avenue
3rd floor conference room

*Space is limited to the first 30 people. Light lunch will be provided.

Advanced Helix Inc.
Aladdin
Alfred P. Sloan Foundation
Alamo, Inc.
Amex Corp.
Apex Robo-Engineering
Army Research Lab
Arysta
Aronofsky Digital Inc.
Arts and Letters Valley, Inc.
Aspyware
Bank of America
Barrington Associates
Bausch International/LLC
Clarte New Avenues
CM International
Cisco Corp.
eSpeed Inc.
Ewan Corp.
Hoby Research & Info.
Co.
Ikea
Johnson
Kodak
Koolertronics

Hornell
17 Windmill Rd.
677 Long Lane
Amherst, MA

GDT / Integrated Device Technology
G2C Technologies Inc.
Incom Corp.
Intel Corp.
International Recliner
Interscan
JPI
KLA Corp.
Kublue & Storm Industries
Lechien
Lenovo
Lehman Bros.
Lots Design & Trading
Lockheed Martin Corp.
Lockheed Martin Technologies (undergo non-EPFI) Intergulf

$1950
Mica Integrated Products
Millenium & Co.
Underhagen & MS
Morin Lynch
Motorola
MPT – Lincor Ltd
Munis


Oracle Corp.
Pricewaterhouse Cooper
Rant Systems Inc.
Reclame Technologies, Inc.
Rex Technology
Sapience.com
Sarasota Mutual Group – Public Finance
Sickinger
Singles
Singles
Singles

3rd floor conference room

Contact the Career Development Center at ext. 6361 or career@caltech.edu.
Visit us at 414 S. Holliston Avenue, 3rd floor to register for on-campus interviewing.
Relating across cultures: challenges of adjustment

BY ELIZABETH SHON

What are the challenges of adjustment to a new culture and environment? How do we connect with and relate to someone from another culture? What is American culture? What is it like to be an international student at Caltech and adjust to the Caltech culture? These are some of the questions the Intercultural Discussion and Support Group will attempt to address. ISP staff and counselors from the Counseling Center will facilitate this group, which will be open to all Caltech students. Meetings are 12 to 1 p.m. Mondays, beginning November 20, on the second floor of the Center for Student Services. Anyone interested in knowing more about the group should call the ISP office at 6330.

Relating Across Cultures

Culture can be defined as the customs, values, assumptions and norms shared by a group of people. These values and assumptions, which we all acquired, shape the way we behave, communicate and relate. Encountering new cultures and different people can be exciting and enriching. At the same time, for international students, it can be quite a challenge to work through culture shock, adjustment, and identity confusion. For Americans in a relationship with someone from another culture, it can also be confusing, uncomfortable and frustrating. Some international students may cope with adjustment by denying that they are living in another culture. They may remain isolated, or befriend only others who are from their own culture. Perhaps some Americans cope in the same way, by either consciously or unconsciously befriending only people who are like themselves. Certainly, one can understand the need to be connected to others who can communicate in the language that one is most comfortable with, and with people who share one's values and beliefs. But to what extent does this comfort interfere with the process of learning how to relate across cultures and deal with differences?

It is not uncommon for international students who are trying to establish themselves in a new environment to feel ignored, inadequate, invisible, disliked or rejected. They may feel anxious about making mistakes, or about not knowing or doing what is expected. In spite of this, we place the burden of initiating encounters on the international student. Wouldn't it be nice if some of us Americans could reach out, welcome, and play the host once in a while?

But perhaps some of us Americans have our reasons for not being more welcoming and open. Maybe we don't recognize the challenges international students face. Or perhaps our lives and schedules are already too tight for new relationships. Maybe we feel inadequate in our knowledge of other cultures and are afraid to be found out. It could also be that we are uncertain about how to behave in a relationship with someone who is different. Perhaps new ideas and challenges to our way of thinking are too much to handle right now. If only we could keep in mind that people from other cultures can relate to our fears. A cross-cultural encounter can be anxiety-producing because it is an emotional encounter. We are taking a risk and stepping into the unknown. The challenge in these encounters is for us to learn how to manage our reactions when the other party is reacting typically sub-roles. If we have withdrawn or offended, we can re-engage and try to rebuild and repair the relationship. Despite its challenges, it can be very gratifying and eye-opening to have a relationship with an individual from another culture, particularly if that culture has values directly opposite to those of our own. I've found that encounters with cultures, I open up options and choices for myself. In college, as I gained more exposure to the American culture, I found that I had the option to be assertive with authority figures, something Korean culture had not allowed me. I must say, however, that it is nice NOW to have these choices. When I first discovered the choices, it hit me pretty hard. It shook the very foundation on which my values had been built. All of a sudden I wasn't so sure who I was and who I wanted to be. I felt cheated by my own culture and misunderstood by the dominant culture. What helped me the most through this period was talking to others who were striving to be bicultural or multicultural, people who could relate to and support my struggle. Reading and learning about different cultures and personal and relational struggle with multicultural identity was also helpful. It is my hope that this group on Intercultural Discussion and Support will provide a place where counselors can provide assistance that will enhance the personal and relational struggle for all involved. Come join us!

A South Asian soirée

BY VIDYASANKAR SUNDARESAN

OASIS (Organization of Associated Students from the Indian Subcontinent) presented TARANG, a lively evening of Indian culture, music, dance and food on Wednesday, November 8, 2000, at the Ramo Auditorium. Most of the participants were Indian, Pakistani and Bangladeshi students at Caltech, and the event was attended by more than 200 people. Details of the program and participants can be found at the Club's website http://www.its.caltech.edu/~oasis.

Beginning with a short presentation of southern Indian classical music on the bamboo flute by P. T. Narasimhan, the show included dance items based on the eastern classical idiom of Odissi and vocal music from northern and southern Indian classical traditions. The unifying theme of the program was based on the theory of five elements (space, air, fire, water and earth), which is found in most of the world's old cultures. Ramesh Srinivasan, the master of ceremonies, gave a running commentary on the theme, with fascinating highlights of how the classical Indians and other allied cultures have theorized about the universe. Water, earth and air were represented by group dances, choreographed by Deepshika Datta. Space and fire were represented through music and vocal recitation, rendered by Vidyasankar. Krishna Kutty and Venkatakrishnan Srinivasan, southern California residents, were guest musicians, who played the Violin andTabla respectively. Shreshth Mysoor, a new Caltech graduate student, accompanied the musicians on the Mandolin. In addition to the opening recital on the flute, the other musical portion of the evening consisted of vocal music, rendered by a group of Caltech students, withTabla and Mandolin accompaniments. Shabani Basu also played tabla, accompanied by a vocalist singing. Both northern and southern Indian systems of classical music are based on melodic scales, called Ragas, and set to periodic time measures, called Talas. Over the last two hundred years, because of the British presence in the subcontinent, Indian musicians have adopted the violin, and adapted its tuning and playing techniques to suit the requirements of Indian music. The quality of the music and dance pieces was of a high caliber, and it was evident that a great deal of planning and practice had been done by all the participants.

After the Indian dances and music came the hilarious skit put together by undergraduates, called "Nerds are Studs." They roped in the dean, Jean-Paul Revel, to play himself! Based on a format of TV dating shows, the play was a humorous look at the academic environment at Caltech, and the culture of our diverse student body. The lines were highly enjoyable and it was a delight to watch Caltech students being able to laugh at themselves. Kudos to Mona Sheikh and Julia Greissl, the authors, and the participants, Jared, Jim, Nate, Omar, Basit, Lisa, and of course, Dean Revel! The evening ended with delicious Indian dinner, featuring the staples of rice and naans, along with Tandoori chicken, daal, vegetable dishes and dessert.
Uniting music and physics in 19th-century Germany

BY SIRIKA DINIZING

In his talk, entitled "The Standardization of Aesthetic Qualities: Physics and Music in Nineteenth-Century Germany," Dr. Myles W. Jackson discussed the blurring of the boundary between physics and music in Germany during the 1800s. He said, "In the 19th century, physics and music began to share a common ground, as both fields sought to understand the nature of sound and vibration. While this overlap was initially driven by practical applications, such as the design of musical instruments, it eventually led to a deeper exploration of the fundamental principles underlying both disciplines."

Dr. Jackson went on to explain that the 19th century was a time of great scientific advancement, with physicists and mathematicians making significant contributions to our understanding of the physical world. He noted that during this period, the study of sound and music became increasingly intertwined, with scientists and musicians working together to explore the relationship between the two fields.

One of the key figures in this movement was von Helmholtz, who conducted a series of experiments that helped to establish the connection between physics and music. These experiments included the measurement of sound pressure levels and the study of the physical properties of musical instruments.

Dr. Jackson also noted that the interaction between physics and music during this time period was not limited to academic circles. "Artists and musicians of the period often drew inspiration from the latest scientific discoveries, and vice versa," he said. "This interplay between the arts and the sciences created a rich cultural landscape that continues to influence our understanding of both disciplines today."

Dr. Jackson concluded his talk by emphasizing the importance of interdisciplinary collaboration in advancing our understanding of the world. "By breaking down the barriers between different fields of study, we can gain new insights into the fundamental nature of reality and the way we experience the world around us."
ASCIT
CONTINUED FROM PAGE 7

By J.S., C.P.E., P.D.Q., W.F. and J.C.F.

This week we’re bringing you two concerts, that’s twice the entertainment for the same low, low cost.

In honor of the occasion, we’re each being two people. Bonus points if you can identify what all the initials stand for.

Today’s second is a concert by the Pasadena Symphony. They play in the Pasadena Civic Center at the corner of Green and Colorado (across from where the mall used to be). This is easily within walking distance for Techers (it’s not even as far as the AMC).

The Pasadena Symphony, under the direction of Jorge Mester, will be playing music from Vienna and the Americas.

The pieces include Paul Hindemith’s “Symphonic Metamorphosis of Themes by Carl Maria von Weber” (that’s a mouthful), Schubert’s Symphony No. 23, Haydn by Mexican composer Jose Pablo Moncayo, and a new work by Peter Schickele (A.K.A. P.D.Q. Bach).

I don’t know much about many of these pieces especially Schickele’s work or Moncayo, so I’ll just say that the Pasadena Symphony is always enjoyable and Jorge Mester is cool (though not as cute as Elsa-Pekka Salonen).

The concert is Saturday evening at 8 p.m. at the Pasadena Civic Center.

Student tickets are $7.20 with ID and can be purchased anytime the week of the concert, i.e. today.

There’s no-pre-concert lecture that I know of. Now for our special double feature.

There is also an awesome concert at the L.A. Phil. This weekend, Pianist Vladimir Feltsman joins the Phil for probably the most famous piano work of all time, Rachmaninoff’s “Rhapsody on a Theme of Paganini.”

You’re almost certainly familiar with this piece, but it is amazing to hear it live with a gifted pianist and orchestra.

Too bad we weren’t in L.A. in 1942 when Rachmaninoff himself performed the solo with the L.A. Phil before his death in ’43. However, Feltsman is billed as an excellent pianist. He started touring with the Moscow Philharmonic at age 11.

However, his career was interupted when Soviet authorities banned him from performing in public for 8 years. It wasn’t until 1987 that he was finally granted permission to come to the United States and perform.

There is another favorite piece on the program: Berlioz’s “Symphonie fantastique.” I personally love this work, but there is a great story behind it.

Berlioz was madly in love with a Shakespearean actress, Harriet Smithson, the wife, however, was completely indifferent to him. And yet (maybe glomming does work after all—kidding) he persisted, and she began to feel a mild curiosity followed by interest, and then she (gasp) married him.

What’s wild is that he never learned English and she barely spoke French (there’s a relationship obviously built on communication). Unsurprisingly, the marriage didn’t last.

But, when he wrote the “Symphonie fantastique”, Berlioz was deeply in love. The symphony is similar to a symphonic poem, but much more programmatic.

An artist is obsessed with a woman. She appears to him as a melody. Thinking of her, he feels a deep passion and emotion.

He goes to a ball to distract himself, but in the midst of the swirling dancers, her melody appears.

He goes to the country and listens to shepherds playing tunes. He thinks that she might have feelings for him, but she is filled with doubt.

He tries to kill himself with opium, but it sends him into a terrorible dream. He is to be executed.

As he marches to the scaffold, her melody is heard but drowned out by the chop of the axe. You can actually hear the chop and hear his head bounce on the floor.

Finally, he dreams of a mad witch’s Sabbath.

Her melody is transformed into a drinking song and she is seen as cheap and unworthy of him. Personally if someone wrote a piece like this, for or about me, I have two words: “restraining order.”

The third piece on the program is Mahler’s Symphony No. 1. Mahel had considerable influence on Berlioz, Wagner, Schumann, and all the major composers of the day.

This will be the first L.A. Phil performance of his 1st Symphony. So, L.A. Phil, Dorothy Chandler Pavilion, tonight and Sunday at 8 p.m., Sunday at 2:30.

Pre-concert lecture 1 hour before, tickets $10 with student id and go on sale 2 hours before. You should know the drill by now.

See you next week.

The California Tech

November 10, 2000

8

More minutes...more news

Final fall sports tally

by Tech staff

Men’s baseball

Head coach: John D’Auria

The men’s baseball team went 1-21 in SCIAC this year.

Men’s and Women’s cross country

Head coach: Scott Jung

The Biola Invitational on October 7 was the Biola Cross Country team’s first meet of the season.

Men’s and Women’s Fencing

Head coach: Laura Sconce

In their November 5 tournament, both the men’s and women’s teams dominated, beating UC Irvine, UC Santa Barbara, UCSD, and UCLA.

Women’s volleyball

Head coach: Brett Beger

After winning four of their six first games and being named co-champion of the Life Bible tournament, the team went on to finish 0-14 in SCIAC.

PARTY: CONTINUED FROM PAGE 1

A part of the boundaries laid by old traditions, help with the ideas and let the juniors implement them. These events are just some of many challenges posed by Caltech to incoming frosh. (Of course, managing the workload being one of the greatest!) In fact the authorities agree to give homework extensions during the time leading up to the parties.

Thus, the frosh are pressured to do everything they can to make these nights as memorable as possible.

This year, Page has more time-consuming preparation schedule because of the constructional nature of its party. Fleming is, however, spending its bonus time advertising for and improving their party.

Make sure that you do not miss either of these thrillers. Will the new Flens and Pageboys live up to everyone’s expectations? Will the traditional red and blue colors fill in as deeply as always? Well, watch out and see for yourself!
Goldman, Sachs & Co.

Monday, November 13th, 2000
Investment Management Division
Quantitative Resources Group
Presentation on Portfolio Risk Monitoring
Center for Student Services–Dining Room 5
4:00 pm - 6:00 pm

Resume Drop
November 14th through November 28th
Please contact your Career Services Center
**DILBERT® by Scott Adams**

- **THIS SIGN IS MY PASSPORT TO OBSCURITY.**
- **I WONDER WHY NO ONE EVER THOUGHT OF IT BEFORE.**
- **NICE SIGN. DOES IT KEEP AWAY THE UNDESERVEDS?**
  - MACHHOOD! CURSE YOU.
  - COME IT OCCURS TO ME AGAIN. THAT RATHER THAN EATING "BEER ROASTED TO PEOPLE WHO SPOOK THEIR SPIT AND GROANS IN MY FACE, I SHOULD BE DOING THE OPPOSITE."
  - CURSE YOU FOR THAT, TOO.

---

**YOU SHOULD PUT AN "E-" IN FRONT OF YOUR TITLE.**

---

**IT'S TOO BORING JUST BEING THE DIRECTOR OF INFORMATION, OPERATIONS AND TECHNOLOGY.**

---

**IF ONLY NOW ON, CALL ME THE E-DIOT. TO REMEMBER THAT.**

---

**AND DON'T BE LIMITED BY SOCIETY'S EXPECTATION THAT YOU BE INTERESTING.**

---

**SOMETIMES I LIKE TO SET QUIETLY, AND THINK UP IDEAS.**

---

**YOU CAN COMPENSATE FOR YOUR LACK OF KNOWLEDGE BY THINKING TOO MUCH.**

---

**I'M LEARNING TO GOLF.**

---

**NOW I WON'T BE EXCLUDED FROM ALL THE PALE- DOMINATED GOLF EVENTS.**

---

**I DECLARED NEXT FRIDAY TO BE "VACATION SHIRT DAY."

---

**HEY, YOU'RE DISCUSSING PUNISHMENTS AS PERS!**

---

**I WILL BURN YOUR VILLAGE AND MAKE SLAVES OF YOUR CHILDREN!**

---

**THANKS, HUN. HON'T!**

---

**YOU SEXT 21%?**

---

**I'M TOLD THE HUN EVERYONE CALLS YOU THAT.**

---

**IT'S SHORT FOR ATTILA THE HUN, OF COURSE. THEY THINK I'M DOOMED TO THE same TERRIBLE FATE.**

---

**SOMETIMES I CAN MAKE THEM I MISS PUTS ON TV.**

---

**THAT SEEMS HARSH.**

---

**I DETERMINED DOMINATING GOLF EVENTS?**

---

**GLEN MARSH!**

---

**AND I'M THINKING OF THE SAME THING.**

---

**I WISH HE WOULDN'T KEEP TAKING THE MEMORIES.**

---

**I WOULDN'T USE THEM IF I HAD TO.**

---

**I WOULDN'T USE THEM IF I HAD TO.**

---

**I DUMPED YOU, WORSHIP WORSHIP, AND YOU'RE STILL HERE.**

---

**I SAW YOU IN THE STREET WITH THE PERSON OF YOUR דד."**

---

**I THOUGHT THAT WAS NICE, TOO.**

---

**I THINK IT'S BRAVE BUT IT'S NOT.My DAD MADE ME DO THIS.**

---

**I THINK I'M WORTH MORE THAN A VIOLINIST.**

---

**DOES YOUR DAD THINK SO?**

---

**I THOUGHT YOU'D BE HERE, BART.**

---

**I'M LEAVING THE WINDOW OPEN.**

---

**I'M LEAVING THE WINDOW OPEN.**

---

**I'M LEAVING THE WINDOW OPEN.**

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The future?

Dean's Corner

Difficult choices

by Jean-Paul Revel

It feels very odd to be writing early this election week, knowing that by the time you read my column you will know what for me is still the future. You will have heard the most important news of the week, the year, perhaps of the decade or more. But here I am now, sitting at my desk, unable to penetrate the darkness of the future. The races are just too tight to allow more than partisan guesses. Tomorrow night, of course, "there will be a flash of light" and part of the future, at least one of the instruments which will determine the future, will be revealed, I think, maybe.

For your own peace of mind I hope your chosen candidate wins in the election. For the sake of the rest of us, of course, I hope you made the obvious right choice, the one I plan to make myself when I walk into the voting booth with my crib sheet, on which I will laboriously have entered my choices. You did in fact vote, didn't you? I am concerned because I heard a report claiming that fewer than 50% of eligible voters were expected to cast their ballots. And it might rain in some vital parts of the country, biasing the results even further. We are proud of our stature in the world, of our influence we wield. But how should people in the rest of the world, who will have to deal with us through our elected leaders, react to the apathy of the superpower's own citizens in selecting leaders? I hope dire predictions of low participation will have goaded many to vote who otherwise might not have. What makes it easy not to vote is that it is hard to believe that one ballot, one's own, is going to determine the future, ours and the rest of the world's. Add to this the feeling that there is not sufficient information to form a solid basis for a decision how. It would look as if many voting decisions were made in the dark and were capricious rather than thoughtful. Who really knows anything about the candidates? The information we have about them is mostly derived from partisan presentations on TV or glossy leaflets stuffed into our mailboxes. We know about candidates mostly by how they are advertised, rarely by what they really stand for, in their heart of hearts. What we are told is often meant to obfuscate rather than to enlighten. Possibly damaging information is withheld to make the candidate more appealing. Deciding how to vote requires plowing through not just the literature with which we have been inundated, but also to seek fresh, reliable, independent sources of information. Who really is that person presenting herself as a candidate? The contentious, disputatious person seen in the last debate or the much smoother personality seen today? The bumbling ignoramus, or the subtle charmer adept at people skills? And then there are all the candidates about whom there is no information, beyond their names, party affiliation and the office that they are vying for. While it may indeed be too difficult or too expensive for some of them to present themselves to a wide audience, it could have been so easy to set up a web site. Maybe it is better for them that there would be no info at all. They might get elected "by chance." If it is a tall order to learn enough about blood and bone candidates, it is also hard to decide how to vote on the often arcane propositions presented to us on the ballots. It would seem that one would have an easier time of it. After all, one does not depend on fleeting impressions, but on a written document, one that can be read and reread. The trouble, I find, is that they can be so well crafted that their true impact is hard to divine. The wording can be so convoluted that it is difficult to know just what is proposed. Sometimes it might even be downright misleading.

And so it can be difficult to form opinions based on a careful personal analysis. It is tempting instead to take the word of pundits perhaps well intentioned, but still someone else's word. It can be one of the familiar TV anchors, a trusted commentator, a newspaper, some friends or colleagues; it can be the political party to which we belong (shades of authoritarian countries!). I received voting guides from the Republicans, the Democrats, the Los Angeles Times and the New York Times, and even from the AARP (for you youngsters, that's the American Association for Retired People).

Having said all this...life will have to go on whether my candidate wins or not. Our president, to whatever party he belongs, will hopefully be surrounded by wise counselors. None will be intent on imposing their morality on the rest of us. They will be responsible, compassionate not just in words but in deeds. World-wise advisors not prone to overly nationalistic and selfish points of view. People who'll listen to the demands and needs of other nations and will work to help them achieve their goals. Someone willing to admit that the solution to problems is not necessarily found in military interventions. Someone who'll listen before acting, someone who is confident but does not imagine that his impulses are always right.

Instead of having to rely on such pious hopes, it would of course be so much better to do the homework, however difficult, as a more secure, if not guaranteed, way to achieve your goals.

A bientot,

Jean-Paul Revel
The Aero Association of Caltech will hold its Fall membership meeting at 7:30 PM on Tuesday, November 14, in room 201 East Bridge. Featured speaker Dick Rutan will be presenting the topic of "Adventure Is The Essence Of Life." Dick Rutan set a world record in his unrefueled, non-stop flight around the world in his aircraft in 1996. Rutan has also attempted to fly a balloon non-stop around the world in 1998, and recently made a flight around the North Pole and into the Arctic Ocean. Anyone interested in aviation, or in learning to fly is invited to attend the meeting. For more information about the club or the Fall Meeting, contact Elaine Ou at ou@its.caltech.edu.

Scholarship

The National Academy for Nuclear Training is offering $2,500 scholarships to eligible students majoring in nuclear engineering, power generation health physics, electrical or mechanical engineering, or chemical engineering with nuclear or power option. Applicants must be U.S. Citizens, enrolled full-time in a four-year accredited institution, minimum GPA of 3.0 or higher, and interested in nuclear power careers. Additionally, scholarships will be renewed for current Academy scholars who maintain their eligibility. For further information on the National Academy Educational Assistance programs, please visit www.nei.org. Applications are available in the Financial Aid Office. Please send complete application materials to: National Academy for Nuclear Training, Scholarship Review Committee, P.O. Box 6302, Princeton, NJ 08541-6302. Entries must be submitted to the National Academy for Nuclear Training by February 1, 2001.

*The Measurement Science Conference (MSC) has established scholarships to students in an Engineering or Science of Quality Assurance degree program. The scholarship program was designed to promote projects that discuss the advancement of measurement science and technology. Applicants must be U.S. citizens, have a current GPA of at least 3.5, be enrolled full-time, and have at least one year visit our Website: http://www.y.caltech.edu/activism/.