Caltech Core Curriculum Committee Submits Report

by Stephanie Haussmann and Alison Slemp

As seniors we have heard talk about core curriculum changes for over three years now, and finally, for next year's freshman class these changes will be a reality. Changing something as fundamental to our Caltech experience as the core is a scary proposition. A major fear has been the prospect that the core will somehow be watered down or perhaps that whatever changes are made will be done more or less arbitrarily. In light of these concerns we are very glad to have been part of the committee that has met every week since first term to oversee the details of the proposed core changes. Student-faculty committee involvement in this issue spans every level from philosophical ideas about what the core should be down to the minute details of weekly class syllabi, potential teaching material and instructors, as well as the ever-so-important wording of the catalog. The bottom line is that a lot of people have put considerable effort into the proposal for core curriculum changes that will be decided on at the February 19th faculty board meeting. After participating first hand, we can honestly say that this effort has been made by constantly in mind keeping the students who will have to take the core. What has also been fundamental to these discussions is the desire to preserve the positive aspects of the current core while adding diversity and a modern approach that we only wish we had the chance to experience for ourselves.

The following summary only briefly describes the major changes proposed for the core. We are very interested in student feedback to these changes and encourage everyone to read the complete report (in all its painstaking detail) which can be found on the web at http://www.acs.caltech.edu/. In addition, the student members of the committee and the house presidents have copies of the complete report for your viewing. This is a very important document that will affect all future Techers and we hope you will take the time to look at these materials and give the proposed changes some thought. Please direct any comments, questions, or concerns to us either in person or via phone/e-mail. Thanks!

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Other student members of the core curriculum committee: Dan Brown (Ruddock 249, dbrown@cco)
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SEE REPORT SUMMARY ON PAGE 3

Nobel Laureate Speaks on Physics of Supernovae

by Joseph Trela

Hans Bethe, the Nobel Laureate in Physics of 1967 and one of the world’s most distinguished scientists, spoke last Friday in the 201 East Bridge auditorium to a packed house. He is currently a professor emeritus in physics at Cornell University in Ithaca, New York, but due to a sensible regard for subzero temperatures he usually spends at least half of the winter in residence in a sabbatical at Caltech. The speech, which was technically a slightly displaced part of the Thursday afternoon series of physics meetings, capped off his stay for this year and dealt with the problems of calculating the shockwave generated by a supernova during the first seconds of its eruption.

Hans Bethe was born in Germany in 1906 in the contested Alsace-Lorraine province. He entered the University of Frankfurt in 1924, where his research topics included the first evidence that electrons could demonstrate wave-like attributes such as diffraction patterns; he passed his doctoral examination in November of that period, he also made contributions to the solid-state theory of metals. But in 1933, he was forced out of his research position due to his Jewish ancestry when racial laws were passed by the Nazis, and he had to emigrate with his wife to England, where he worked at Cambridge University.

In 1935 he accepted an assistant professorship at Cornell. There, in 1938 he produced his most famous work; that is, hydrogen fusion, the power source that drives the sun and all other mature stars. It had been assumed for some time that the fusion of atomic nuclei in the sun’s core produced the necessary power, but it was uncertain which elements were involved. Bethe was able to calculate that the net fusion of four hydrogen atoms into one helium atom and excess protons (which eventually annihilate electrons to produce gamma rays), neutrinos and gamma rays could provide sufficient energy for the sun at its core temperature and luminosity. In addition, he found that a different reaction known as the CNO cycle (for the carbon, nitrogen and oxygen atoms used as catalysts) could

Mellon Grant Extends Caltech’s Science, Ethics, & Public Policy Program

by Media Relations

Caltech has received a grant of $425,000 from the Andrew W. Mellon Foundation for support of education and outreach through Caltech’s Science, Ethics, and Public Policy (SEPP) Program. The grant, which began this fall, will support the program for the next three years.

“This program is very popular with our students and helps them to look at science and technology from a different perspective,” said Thomas E. Everhart, president of Caltech. “There have been few programs during my tenure here at Caltech that have such broad appeal across campus, and certainly there is no question about the timeliness of such studies, given the changes occurring in the wider community. We are very grateful to the Mellon Foundation for their continued support of this valuable program.”

SEPP activities include an undergraduate major and both graduate and undergraduate minors in Science, Ethics, and Society, which were introduced in 1994 and 1995; the training of selected graduate students and postdoctoral fellows; and a regular public seminar to stimulate awareness and discussion of special issues in SEPP within the greater Caltech community. The SEPP Program was initiated in 1987 by science historian and current faculty chair Daniel J. Kevles, the J. O. and Juliette Koepfli Professor of the Humanities, who continues to direct it.

“We believe it’s valuable to expose Caltech students to discussions of policy and ethical problems,” Kevles said. “They will have to grapple with these issues in one form or another throughout their careers, for they arise in many areas, including weapons research and arms control, the environment, and biotechnology. During the winter quarter this year SEPP is offering a course on the history of genetics, molecular biology, and biotechnology and how these fields affect society, jointly taught by Kevles and visiting professor of history Evelyn Fox Keller, who is on leave from MIT.

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FRESHMAN DIRECTOR AT LARGE
Kara Swedlow
BOC SECRETARY
Matt Tiscareno
ASCIT SECRETARY
Grace Yang
ASCIT TREASURER
Kristie Armentrout
UPPERCLASS-DIRECTOR AT LARGE
Alexis Johnson
ASCIT DIRECTOR FOR ACADEMIC AFFAIRS
Kohlbill
ASCIT SOCIAL DIRECTOR
Emily Ho
ARC SECRETARY
Kiran Shekar
THE TECH EDITORS
Gumby

THIS WEEK’S FEATURES

Volume XCVII, Number 16
Pasadena, California
Friday, February 9, 1996

Don’t Do Your Midterms, Freshmen...
Success Seminar Unsuccessful
by Samson Timoner

Last Thursday, 25 people had the disappointing experience of listening to Edna Zigman talk about "How Successful People Succeed." Dr. Zigman is a clinical psychologist associated with Santa Monica Hospital. What made Dr. Zigman an expert on the subject of successful people was unclear; certainly she gave no indication of significant knowledge on the subject in her one-hour talk.

Dr. Zigman pointed out 10 attributes that she said she had noticed in successful people. Her listed attributes included: desire, integrity, faith or belief, fear, self-reliance, interdependence, drive and determination, organized planning, persistence and consistency. Her presentation consisted of little more than two overheads with the 10 attributes and a brief explanation of each. While many of her points agreed with my own opinions, she delivered those themes with little enthusiasm and very little confidence. Dr. Zigman talked about the qualities rather than what the audience could do to become successful. She gave no indication of how she came to learn the attributes, giving only one specific example: the achievement of her Ph.D.

Dr. Zigman was unable to respond to questions from the audience. She faltered on important questions such as "What is success?" If I may answer that: success is being able to wake up in the morning and believe that nothing is missing in your life. Overall, Dr. Zigman was not persuasive. It is my guess that she got the material together last minute in order to give the presentation.

I suggest that if you would like to learn about how successful people succeed, listen to those people telling their own stories. A good place to find interesting and credible successful people is at Entrepreneurs Club events where successful business people talk about how they became that way. On February 15 at 5 p.m., Michael Ross will talk about how he founded Arris Pharmaceuticals and made it into a major success (location TBD).

This seminar by Dr. Zigman was sponsored by the Staff & Faculty Consultation Center Lunch-time Learning Series. The next one will also be February 15: "How to Meet New People and Keep the Conversation Going." It could be interesting, you never know...

Dear Editor:

My education was severely injured by chemistry. They taught that we were "weighing" to learn "weight." NOT TRUE! The Truth (which will make us FREE!) (John 8:32) is we are MASSING (rather than MASSING) to learn "MASS." I suggest that students set a good example for faculty by avoiding the unwise W-WORDS ("Wi") and "TO WEIGHT" and JUST SAY "MASS" (Ms) instead!

The ein (E) (kg/9.866502)(3.60 ounce)(102 grams) honors Caltech's own Albert Einstein. A counter mass can be seen, but the weight of a paper mass can never be seen.

Faithfully,

Richard Carl Gorke
MS '47, CE

The California Tech

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Minutes of the IHC meeting Thursday, 2/1/96

Present: Tom (Chair), Nestor, Bill Penn (BI), Chris Walker (Da), Chris Carey, (FI), Steve Bennett (LI), Mike (Pa), Lon (Ru), and Josh Moats

Cameo appearances by Bill Castillo and Adil Karim

Washed up vets Bill and Adil arrive to drop off their replacements. This sucker is back to take minutes. It's a transition period, you know.

There has been a rash of thefts on campus since the start of second term. In Page, two wallets and one purse are still unaccounted for. Some bike tires were slashed there by "the most interesting person" Mike has ever met while at Tech. Five purses and wallets have been stolen from Ruddock.

Lots of CD's disappeared from Dabney and Ricketts. Security was busy catching a suspect right as we were talking about this one.

Mike is happy and talkative today. He would like to see IHC take decisive actions to dismiss the Atlh managers. He says rules changes and protests are best handled by people who know the rules. Tom says it would be difficult to convene a meeting of more than four Atlh managers for protests. Two suggestions are suggested. Let the Atlh Committee deal with rules changes and the IHC deal with protests; convene a meeting once a term with the Atlh men and the IHC chair to discuss rules changes. Apathy wins this one (its a transition period, you know). Consensus is to let the next whole IHC decide.

Chris Walker takes a straw poll on bringing back Interhouse. Last IHC supported removing limitations on the number of parties in a night. However, there was not much momentum to bring IHC back. Many parties on one night translates into some sparsely attended parties. Controlling an off-campus and high school crowd is also a concern. Further discussions are punted.

Chris wants to know how people feel about changing Interhouse football to flag football. Tell your President how you feel about this one. A decision will come in the next few weeks.

Steve asks if anyone else is interested in a water purification system for their house kitchen(s). Chris says yes. We try to schedule a more convenient meeting time and fail miserably. Yet another punt to next week.

We adjourn, no apathy went unnoticed.

Respectfully Submitted.

Nestor Ocampo

The Outside World
by Myfanwy Callahan

BEIJING, CHINA—China has concluded an agreement with Russia to buy 72 SU-27 fighter planes. Taiwan in its turn will begin taking 150 American F-16 fighters and 60 French Mirage 2000 fighter bombers. Tension in the Taiwan Strait grows.

BOSNIA, GERMANY—German officials admit that their plan for an economic union of Europe in 1998 may be too ambitious. Economic growth has slowed and some countries such as Italy and Greece still cannot meet the economic criteria for joining a currency union.

GOMA, ZAIRE—Hutu Rwandans who fled their country a year and a half ago are refusing to return. Many tell stories of harassment by the Tutsi government once they arrive. Meanwhile the refugee camp birth rate exceeds the number of Rwandans returning to their country.

PALE, BOSNIA AND HERZEGOVINA—The arrest of two of their top commanders has prompted Bosnian Serbs to break off contact with the Bosnian government, threatening to retaliate unless the men are released. This is the most serious dispute between them since the peace agreement of December.

LOS ANGELES—The South Coast Air Quality Management District has proposed a new seasonal plan because of strong resistance to pollution control from the business community. Industrial emissions may be allowed to increase in winter months when smog is less severe.

WASHINGTON, D.C.—The new Tele-Communications Act approved by Congress last week includes the option of using a V-chip for your television. A V-chip would block transmissions of explicit content.

WASHINGTON, D.C.—The Student/Faculty/Alumni Relations Committee of the Caltech Alumni Association is sponsoring the first in a series of career panel discussions. The upcoming career panel will be on Tuesday, February 13, 1996 at 7:30 p.m. in Winnett Lounge. Panelists will discuss a variety of topics including: what you need to know about your future employer; what your future employer needs to know about you; and how to effectively utilize informal, short-term interactions, i.e. Career Day.

Panel members include: Blair A. Folsom '68, Energy and Environmental Research Corporation; Warren G. Gods '86, Technical Manager, Northrop Grumman; Gavien N. Miyata '69, System Engineer, Inmarais P Program, Hughes Space and Communications; and William M. Whitney '51, Technologist, Observational Systems Division, Jet Propulsion Laboratory. Franklin D. Dryden '54, President of Dryden and Associates, will moderate.

The SFAR Committee would like to know of other topics that might be of interest to students for future career panels. If you have any thoughts on what you would like to hear, contact Kerry below.

All students are welcome. If you would like to attend, please RSVP by February 12 to Kerry at x6852 or email kerry_etheredge@caltech.edu. Light refreshments will be served.

GET THE MOST OUT OF CAREER DAY!

The instructions for the 1997 U.S. State Department Diversity Visa Lottery were announced this week. The dates for this year's lottery will be February 12 to March 12, 1996. Nationals of the People's Republic of China, Taiwan, India, Philippines, South Korea, Vietnam, Great Britain (except Northern Ireland), Colombia, Dominican Republic, El Salvador, Jamaica, Mexico and Canada are not eligible for the program.

Pick up a copy of the procedure of how to apply for this Lottery, please stop by the Office of International Programs (Lloyd House, Olive Walk) if you are an international student, or the Faculty and Postdoctoral Scholars Office (Parsons-Gates, 010) if you are an international postdoc, professor, researcher or staff member.

Sweats with the MOSH at Steele House

Wednesday, February 14, 1996 9 - 11 p.m.

"Seething with Sexuality" - Photos

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Daily 4:30, 7:25, 9:30 p.m.
Sat-Sun Bargain Matinee 2:15 p.m.

COLORADO
2588 E. Colorado Blvd.
Daily 4:30, 7:00, 9:30 p.m.
Sat-Sun Bargain Matinee 1:45 p.m.

"Sweets with the MOSH" at Steele House
355 S. Holliston

"Come Early"

The California Tech
The Facts About Depression

by the Counseling Center Staff

E:earlier this term, the Caltech Student Counseling Center sponsored "The Facts About Depression: An Information and Screening Program" for undergraduate and graduate students as part of Wellness Week at Caltech. The event provided students with basic information about depression, as well as an opportunity to be screened for depression. Since we have had many inquiries from students who were unable to attend the program, we hope that this article will educate students who want more information.

It is a long-standing myth that if you are strong-minded you will not become depressed, but depression is a true psychological and medical disorder. The distinction between depression as a clinical syndrome that requires treatment and depression that is a more transient mood state such as feeling sad or unhappy, can be confusing. Sadness and unhappiness are normal and universal phenomena. These feelings usually pass quickly and do not impair a person's functioning or prevent the individual from enjoying aspects of his or her life. Depression as a clinical syndrome is something quite different.

According to the National Institute of Mental Health, clinical depression affects over 15 million Americans each year. The lifetime expectancy for developing depression is 20 percent in women and 10 percent in men. Less than half of the people suffering from depression seek treatment for it, mainly because it is difficult to distinguish depression from the normal feelings of unhappiness, and because of the perception that strong willed or intelligent people should be immune from depression or should be able to handle it themselves. Whatever the reasons, those who do not seek treatment suffer unnecessarily and increase their likelihood of experiencing other episodes of depression in the future. In addition, 10 to 15 percent of people who suffer from depression commit suicide. These facts are all the more tragic because clinical depression is a treatable disorder with treatment improving with improvement for treatment.

Depression can be caused by many factors. Research suggests that external factors (e.g., stress, loss), biological variables (e.g., family history of depression, neurotransmitter imbalances), and personality factors, can all contribute to the kind of depression an individual may experience, as well as the severity and the course of the symptoms.

Treatment for depression typically involves psychotherapy (talk therapy). Antidepressant medication is also sometimes used, depending on the nature of the symptoms, the severity, and the individual's personal preference and history. While medication for depression can help provide symptom relief, drugs alone are usually not enough. Therapy is needed to help people understand the reasons for their depression, as well as to address the thoughts, feelings, and situations that maintain or precipitate the symptoms, so that depressions do not recur. Early treatment increases the likelihood of positive results and most (over 80%) of people who seek treatment at all report feeling significantly better within 12 months. There are many different treatment approaches that have been tried in terms of both psychotherapy and drug therapy. Therapists at the Counseling Center can help in identifying whether you have depression and, if so, what approach is best in your case.

If you are interested in learning more about your own level of depression, or want to find out more because of concern about a friend or family member, please call the Counseling Center, 833-1. We also invite you to make use of our library and other written resources on this topic.

The Signs of Depression

Knowing the signs of depression and getting help are two key factors in overcoming depression. Listed below are the most common symptoms of depression:

• Feeling sad or empty most of the day; occurring nearly every day.
• Inability to enjoy activities; persistent apathy or lack of motivation.
• Sleep disturbances, either too much or too little.
• Significant changes in appetite or weight, an increase or decrease.
• Fatigue or loss of energy.
• Feelings of worthlessness, inadequacy, or inappropriate guilt.
• Trouble concentrating; problems with making decisions.
• Recurrent thoughts of death or suicide.
• Irritable moods.
• Poor school performance.

The California Tech

Y.E.S.S '96

Positions for the Young Engineering and Science Scholars Program (Y.E.S.S.) are available for Summer '96 in the following areas:

- Instructor for Biology, Mathematics
- Teaching Assistantships in Biology and Earth and Planetary Science
- Head Counselor
- Program Counselor

Y.E.S.S is a five-week residential program that exposes 40 high school students to the joys of intensive scientific investigation. The program runs from July 8th to August 9th.

Applications are available in the Caltech Y and are due on Friday, February 23rd.

Contact Athena at x3180 or email at castroa@starbase1 for more information.

Y NEWS

Broomball sign-ups will start on Wednesday, February 14 at 10 a.m. at the Y Lounge. The Broomball tournament is scheduled for February 25 (Murf Day weekend). Get a team together and come have fun on the ice!

Today at 3 p.m. in the Y Lounge we will be having the weekly Friday Afternoon Y Movie. This week's movie is Clueless.

In addition, we would like to remind everyone that the Y Lounge is here for your use, too. If you want to use the TV and VCR or just want a comfortable meeting room, stop by the Y to sign up on the calendar and pick up a key.

Wondering what to get your valentine? You can buy Valentine's Day Balloon Bouquets at the Caltech Y. Stop by or call x6163 for more information.

Have a Happy Valentine's Day.

by Donna Ebenstein
Honor Society Tau Beta Pi Welcomes Caltech's Best

by Michael Ru

On January 26th, 32 of Caltech's best students were inducted into Tau Beta Pi, the National Engineering Honor Society. Caltech's chapter, designated California Beta, is the second oldest chapter in California and belongs to District 15 (California and Nevada). Since its inception 75 years ago, California Beta has inducted over 2,100 members, including the famous Dr. Linus Pauling. Other notable Tau Beta Pi members include such achievers as physicist James Van Allen, astronauts Buzz Aldrin and Fred Haise, Nobel laureates William Shockley and John Bardeen, business executives Lee Iacocca and David Packard, and movie director Frank Capra.

Second only to Phi Beta Kappa, Tau Beta Pi now boasts 222 collegiate chapters and has initiated nearly 400,000 members since it was formed in 1885. Selection into the society is an honor bestowed only to those who meet the selection criteria of distinguished scholarship and exemplary character. Scholastic merit is based on students' class ranking: juniors must be in the top eighth of their class while seniors in the top fifth. In addition, judge of character is based on their contributions to the chapter and to the community. Association chapters have undertaken such projects as designing and constructing a reading aid for the visually handicapped and volunteer service to the local community.

The Induction Ceremony took place in the newly built Moore Laboratory of Engineering. It was witnessed by Tau Beta Pi Chapter advisors Professor Sunney Chan of Chemistry and Professor Frances H. Arnold of Chemical Engineering, as well as one of the three District 15 directors Deanna Chin. The Induction Ceremony was followed by a formal banquet held at 888 Seafood Restaurant in the city of Rosemead. Tau Beta Pi has been a dynamic and integral part of the engineering profession for more than a century. It takes pride in its commitment to the development of engineers of exemplary character so that they will be leaders on their campuses today and in the rapidly changing world of technology for the betterment of society tomorrow.

At Oracle, we see the development of information software on a larger scale: Our technology is changing the way human knowledge is gathered, stored, retrieved and utilized. If you see yourself working with this decade's top graduates, creating products that run on over 100 different machines, providing unified computing resources to over 25,000 customers in 93 countries, join us. With record sales of $3 billion and nearly 50% growth in the last year alone, we're now hiring over 100 of the best of the Class of '96. If you have a BS/MS in Applied Math, Computer Science or Electrical Engineering, you could become an Oracle Software Developer, Consultant or Product Manager and work on any number of advanced technologies and products, including:

- Internet Products
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- Distributed Computing & Networking
- Databases & Networking Architecture
- Vertical Applications
- Object-Oriented Databases
- Distributed Computing & Networking
- Data Security Architecture
- Vertical Applications

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- Databases & Networking Architecture
- Vertical Applications
- Object-Oriented Databases
- Distributed Computing & Networking
- Data Security Architecture
- Vertical Applications

We'll be interviewing on campus February 27. Sign up at the Career Center and pick up your copy of "Projects at Oracle" today. E-mailed resumes strongly encouraged.

Enabling the Information Age

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

For additional information, visit our WEB SITE at: http://www.oracle.com/info/hr/recruiting.html. Equal Talent will always get equal opportunity.
BETHE: Nobel Laureate Gives Lecture at Caltech

CONTINUED FROM PAGE 1

sustain hydrogen fusion in hotter stars.

When America entered World War II, he worked on radar at Cornell and Cambridge until he was invited to join the Manhattan Project at Los Alamos, New Mexico as a division head in 1943 by J. Robert Oppenheimer, whom he had met during a series of conferences at Berkeley in the summer of 1942. In New Mexico, a newly minted Ph.D. from Columbia with the name of Richard Feynman occasionally pulled him into heated discussions about how to approach particular problems; they were known as "The Battleship" and "The Mosquito Boat", respectively, for their different styles in approaching problems. Bethe left Los Alamos in January 1946; during the late 40's, he worked with other scientists such as Albert Einstein and Leo Szilard in attempts to limit the production of atomic weapons and prevent the development of the "Super," as the proposed hydrogen bomb was then known.

Bethe worked with scientists such as Albert Einstein and Leo Szilard in attempts to limit the production of atomic weapons and prevent the development of the "Super," as the proposed hydrogen bomb was then known.

The speech was fairly technical, but understandable for those of us with Ay 1 and Ay 20 under our belts. The greatest thrill was seeing one of the living legends of science (not that there are a dirth of those at Caltech) appear in front of my eyes. Of course, there were a fair number of people I can go into before the talk who obviously didn’t know Hans Bethe from Hans Brincker and the Silver Skates, which seemed a little disappointing to me. Also, it seems to me that when a particular division has a famous speaker coming (such as Harrison Schmitt, the first Darb on the moon, or Alex Wolszczan, co-discoverer of the first pulsar planets), it should try to promote the event a little more and not be too afraid of having a packed house; but then again, the house was pretty close to neutron-star density with the mostly-physics crowd alone.

There were 1500 people in the Albert Einstein Auditorium, enough to turn any division into a country club, but Bethe clearly thought of this as a forum for the physics community, so he was fine with a packed house; but then again, he wasn’t shocked when only 150 showed up the day before. He freely admitted that the event had been poorly marketed, and he ended up calling a special session of the APS to come to the rescue. The talk was a great way to break in the new neutron-star observing facility at Caltech, which is funded by the NSF. As Bethe reminded us, we have a new pulsar planet and a new pulsar binary. He also reminded us that the 1987 A supernova by their neutrinos.

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The speech was fairly technical, but understandable for those of us with Ay 1 and Ay 20 under our belts. The greatest thrill was seeing one of the living legends of science (not that there are a dirth of those at Caltech) appear in front of my eyes. Of course, there were a fair number of people I can go into before the talk who obviously didn’t know Hans Bethe from Hans Brincker and the Silver Skates, which seemed a little disappointingly to me. Also, it seems to me that when a particular division has a famous speaker coming (such as Harrison Schmitt, the first Darb on the moon, or Alex Wolszczan, co-discoverer of the first pulsar planets), it should try to promote the event a little more and not be too afraid of having a packed house; but then again, the house was pretty close to neutron-star density with the mostly-physics crowd alone.

There were 1500 people in the Albert Einstein Auditorium, enough to turn any division into a country club, but Bethe clearly thought of this as a forum for the physics community, so he was fine with a packed house; but then again, he wasn’t shocked when only 150 showed up the day before. He freely admitted that the event had been poorly marketed, and he ended up calling a special session of the APS to come to the rescue. The talk was a great way to break in the new neutron-star observing facility at Caltech, which is funded by the NSF. As Bethe reminded us, we have a new pulsar planet and a new pulsar binary. He also reminded us that the 1987 A supernova by their neutrinos.
Crime and Incident Beat

Crime and Incident Beat
January 23, 1996

Theft
Astro leaf blower, valued at $500, was taken from the driveway of the Alumni House at 345 S. Hill. Victim last saw leaf blower on the ground near the garage in the driveway. Victim discovered leaf blower missing approximately 3:30 p.m.

Suspicious Person
Male, white, 21 years old, 5'8", 135 lbs, with brown hair and brown eyes. At the time of the incident, suspect was wearing blue jeans, denim shirt and a blue jacket wrapped around his waist. Suspect attempted to gain entrance into the north entrance of Church. Suspect was not Caltech affiliated. Security escorted him off property.

January 25, 1996

Theft
Victim visiting a friend in Page house at approximately 11:30 p.m., her and the friend went to the gym. Victim left her back pack and purse in the friends room. Upon returning to the room at approximately 2:25, discovered her back pack and purse missing.

January 26, 1996

Theft
Macintosh C.P.U. valued at $1000, was taken from the Synchrotron building. Victim last saw the C.P.U. on January 23, at approx. 10:00 a.m. The C.P.U. was discovered missing on January 24, at 3:00 p.m.

January 27, 1996

Grand Theft Auto
Blue Volkswagen Beetle valued at $1500 was taken from California Blvd. near the Synchrotron lot. Victim last saw the vehicle on January 26 at 11:15 p.m. Victim discovered the vehicle missing on January 27 at 12:30 a.m. Glass from the passenger window was discovered on the ground in the area where the vehicle was parked. Pasadena Police Department notified.

January 28, 1996

Fire
Between 4:42 am and 4:58 am, security responded to the evacuation the emergency phone located in the Tournament park lot and the emergency phone located near Wilson and San Pasqual. Both activation’s were caused by an unknown person setting paper placed in the phone booth on fire. Suspect then called security at 5:25 admitting to setting the fires. If you have any information concerning this incident, please contact security at x4701.

January 29, 1996

Incident
Security responded to a call concerning a person at Page House smashing bicycles. Upon the arrival of security suspect was wielding a baseball bat and a crowbar. The damage bicycles were located inside the west door of Page House. Pasadena Police Department responded. Pasadena Police arrived and spoke to the owners of the bicycles and the suspect. Victims declined to press charges and suspect was escorted off campus.

January 30, 1996

Burglary
Makita Power Saw, Makita 3/4 inch drill, Makita power screwdriver, and Hilti power screwdriver, total value $610 were taken from 504 S. Catalina. Victim last saw the tools on January 29, at 6:00 p.m. Upon returning to the location on January 30, at 7:00 a.m. discovered tools missing.

January 31, 1996

Theft
Portable Sony C.D. player valued at $200, was taken from the Blacker House room #12. Victim left C.D. player in an unsecured room at 2:00 p.m. Upon returning to the room at 4:30 p.m., discovered C.D. player missing.

February 1, 1996

Suspicious Person
While making a routine patrol of the West Wilson lot security observed an individual fitting the description of a suspect in 2 thefts and 1 damage of personal property incidents which occurred on campus. Suspect was identified, and detained for the Pasadena Police Department. Suspect was arrested for burglary. The suspect is the same person involved in the damage to the bicycles on January 29 and theft at Blacker House on January 31.
SECTION 2-Membership. The Corporation shall consist of the President of the Corporation and the Executive Secretary, who shall act as chairman, and the following officers, members of the Board of Control, and seven members, one elected each in the seven undergraduate student houses.

SECTION 3. Office of the President: The President shall be the official representative of the Corporation, and he shall preside at its meetings. He shall be chairman, without vote unless a tie occurs, of the Board of Directors and a member of the Executive Committee. He shall have ultimate responsibility for proper observance of all responsibilities delegated to members of the Board of Directors. He must be either a junior or senior in the fall term immediately following his election.

SECTION 4. Office of the Vice President: The Vice President shall, during absences of the President, assume the duties of that office. He shall act as chairman of the Board of Control. He shall assist the President in coordinating the policies and activities of the Associated Students. His primary responsibility shall be to oversee the continuance of the Honor System among the students. His primary responsibilities shall be to initiate the proper observance of all responsibilities delegated to members of the Board of Directors. He must be either a junior or senior in the fall term immediately following his election.

SECTION 5. Office of the Vice President of the Corporation: who shall act as chairman, and the following members: the Secretary of the Board of Control, and seven members, one elected each in the seven undergraduate student houses.

SECTION 6. Office of the Secretary: The Secretary shall be the official representative of the Corporation, and he shall preside at its meetings. He shall be chairman, without vote unless a tie occurs, of the Board of Directors and a member of the Executive Committee. He shall assist the President in coordinating the policies and activities of the Associated Students. His primary responsibility shall be to oversee the continuance of the Honor System among the students. He must be either a junior or senior in the fall term immediately following his election.

SECTION 7. Office of the Business Manager: The Business Manager is the only one empowered to transact business in the name of a publication. His responsibilities terminate after distribution of the publication. Invoices of all advertising and subscriptions, payment of outstanding bills, preparation of adequate financial records, and, in the case of the Big T and the little t, the collection of revenues from advertising and other sources. If no Business Manager is appointed for the publication, these responsibilities are also those of the Editor.

SECTION 8. Elections and Procedure: Section 1. Nominations for the offices of President and Vice President shall open at 8 A.M. the second Wednesday of each term and shall close at 5 P.M. the following Tuesday. Said nominations shall be redistributed among the remaining candidates by next available choice ranked. If all remaining candidates by next available choice ranked. If all remaining candidates have an absolute majority of votes, then that candidate wins. If not, then there shall be a vacancy in that office. If no, the "NO" votes shall be tallied and the candidate with the least number of votes shall be eliminated, and each of that candidate's ballots shall be redistributed among the remaining candidates by next available choice ranked. If all remaining candidates have an absolute majority of votes, then that candidate wins. If not, the "NO" votes shall be tallied and the candidate with the least number of votes shall be eliminated, and each of that candidate's ballots shall be redistributed among the remaining candidates by next available choice ranked. If all remaining candidates have an absolute majority of votes, then that candidate wins. If not, the "NO" votes shall be tallied and the candidate with the least number of votes shall be eliminated, and each of that candidate's ballots shall be redistributed among the remaining candidates by next available choice ranked. If all remaining candidates have an absolute majority of votes, then that candidate wins. If not, the "NO" votes shall be tallied and the candidate with the least number of votes shall be eliminated, and each of that candidate's ballots shall be redistributed among the remaining candidates by next available choice ranked.
Preparing for Career Day
by Samson Timoner

Career Day is a tremendous opportunity for all students: graduates and undergraduates. For undergraduates struggling to choose your future, this is your opportunity to learn about specific careers. For graduates, this is your chance to do what you like about it and what you don’t like. Find out what it is like to work in different industries. Find out what skills you would need to approach a particular career.

Career Day is NOT a job fair. At a job fair, companies look for individuals to fill specific positions. At Career Day, most companies come to make their presence known on campus. They want name recognition among students and they want to inform the Career Development Center about what they do. The hope for recruiters is to influence students to think about careers before they look for jobs so that when the time to search for employment comes, a student will consider a specific company.

There are three different types of students who come to Career Day: those starting to think about which career they want to approach, those who are about to start a job search, and those who have already started. All three types should use one basic idea in their approach: Career Day is an informal opportunity to talk to recruiters.

There are three times you can talk to a company at Caltech: at an information session, at an interview, and at Career Day. During an interview or information session, recruiters are specifically trying to form an impression of you. At Career Day, companies are mostly interested in sending information about themselves to the community.

There is your opportunity to ask any question you want with little risk of making a bad impression. Also, there will be hundreds of people visiting each company so a recruiter is not likely to remember you even if you do make some sort of blunder. When you go to Career Day, relax! Don’t worry about making a good impression. Instead, be curious and open to learn more about companies and individual careers.

For those students, such as freshmen, who are just starting to think about their future, Career Day is a great opportunity to learn about specific careers. Many companies send employees who aren’t recruiting specialists. This is your opportunity to talk to the people who do what they like about it and what they don’t like. Find out what it is like to work in different industries. Find out what skills you would need to approach a particular career.

Go to Career Day with the attitude that this is your chance to learn about possible careers — because it is!

Career Day is the ideal place for students such as myself who are just starting to search for a job. I suggest you come to the fair with a list of companies and skills you apply to. My goal is to find a match between a company and your interests.

Many people will simply look through the list of companies and only visit those that hire in their field. However, I suggest you visit as many booths as you can. Remember, companies hire other majors than the ones they advertise. For example, Schlumberger has a huge oil company that specifically searches for geologists and chemists. However, I know an electrical engineer who interviewed with Schlumberger and ended up working there. Don’t be afraid to talk to recruiters about the skills you have and how you might fit into their company. Don’t be afraid to ask. Sometimes recruiters could talk you into a job.

Career Day is not the ideal place for those students who have been intensely searching for long-term positions after graduation. However, Career Day can still be useful. If you fit in this category, you should take Career Day a bit more formally. Instead of looking at Career Day as an informal way to talk to recruiters, think about it as an extra chance to talk to a company.

Come informed about each company just like you would for a job interview. You should take advantage of the advertising in the Tech today to learn about the companies that interest you. At Career Day, many companies will plan interviews on the spot — don’t be afraid to ask them about it. Only by taking the initiative can you expect results.

Final Details. Dress casually. Remember, you should relax at the fair. I recommend wearing something a little nicer than jeans and a T-shirt; however, unless you are looking for a job in the near future, there is no reason to dress formally.

Bring at least 10 or 20 copies of your resume. A number of companies will ask you to fill out some questionnaires so they can get an idea of who you are. This year, 43 out of 55 companies are specifically looking to fill summer positions. Also, a number of companies will be making arrangements for interviews at Career Day. If a company is interested in you, they will want your resume.

Just in case you want another reason to bring your resume, the CDC (Career Development Center) will be giving out door prizes for resumes.

Fifty five companies will attend Career Day which will take place in Dabney Gardens from 11:00 a.m. to 3 p.m. on Thursday, February 15.

Special thanks to Amy Malak in the CDC for her input to this article.

Prepared by Samson Timoner

Career Development Center
Caltech

MTV Unplugged

This second release from Viacom New Media is another multimedia c-d rom using an MTV program as its basis. It includes a lot of information on the popular unplugged series including descriptions, audio, and video clips from every performance to date. It also contains three full motion, full screen videos of unreleased performances from 3000 Miles, Paul McCartney, and Lenny Kravitz. These videos are of high quality and play at 15 fps, full screen, on the monitors we tested it on. The layout of the program is done well and provides a wealth of information if you are interested in MTV Unplugged.

6 bits out of 8.

Psycho Pinball

This brings together nearly everything that one would want about a pinball game. There is the act of feeding quarters into a machine missing. Three types of standard playing fields exist: a wild west theme, an ocean theme and a haunted house theme. These boards can be played separately or together through a small "trunk house" board from which you can get to any of the others. A fun game, it includes that ability to tip the ball, but watch out for the tilt sensor.

7 bits out of 8.

Warcraft 2

Warcraft 2 is a very fun game. It is the follow-up release to the very successful "Warcraft: Orcs and Humans" and includes many new features that make the game extremely fun. Most important is the multi-player feature which allows up to 8 players to battle it out on pre-made or custom made maps. It supports network games and is compatible with kall for internet-wide game play. It also includes a map editor for Win­ dows for creating personal games used in multiplayer mode. Many new features were added to game play including new modes of fighting (aerial attacks with dragons or griffons, sea battle with submarines, debris in the ocean and new magic users such as death knights and paladins). These new features make game play very involved and differ­ ent every time. There are still only two races you can play with (orcs and humans) but the depth of play makes up for this.

The graphics and sound are of very high quality. Warcraft 2 is a DOS c-d rom game and multiplayer mode can be run with only one cd.

A full bye.

Descent 2 Demo

Another follow up release that promises to be a great flick is the sequel to Descent. So far, only the demo has been released and can be obtained from Interplay’s ftp site. Information is available on the Web at www.interplay.com. The demo contains three full levels and shows off the new features of the game. This includes a suite of new enemies as well as the guidebot and thiefbot. The guidebot seeks out keys, weapons, doors, and just about any­ thing that can help you out. Thiefbots are very annoying; if they touch your ship, they steal a random item and are very dif­ ficult to get away from. Descent 2 has been anticipated release should be avail­ able in March.

Career Day Door Prizes

Includes:

- Computer Games
- Sports Bags
- Sweatshirts
- Portable CD Player
- 13” TV
- Software
- T-Shirts

Bring a copy of your resume to the CDC table by 2 pm to enter!!!

Sponsored by: Arbitron, ADC Telecommunications, Andersen Consulting, Caltech Career Development Center, Microsoft, Philips Lighting, and Remex, Inc.
February 9, 1996

The Tech

Son of Sam

by Chuckles

WE WON THE BID TO REBUILD OUR NATION'S AIR TRAFFIC CONTROL SYSTEMS.

TIPPEEEE!!!

I Hired the "DOGBERT CONSULTING COMPANY" TO LEAD THE PROJECT BECAUSE NONE OF YOU IS BRIGHT ENOUGH.

AND YOU ALL HAVE BAD ATTITUDES FOR NO APPARENT REASON; THAT'S NO WAY TO BE A LEADER.

SUDDENLY THE GIFTED PROGRAMMER EMPLOYED A RARELY SEEN STRATEGY OF "CODE REUSE."

I DON'T GET CHUMPY WITH THE LOCALS.

BUT A THOUSAND SHARES OF "BLUE HOUND GAS LINES."

SMALL WE GO AROUND THE TABLE AND INTRODUCE OURSELVES?

SO YOU USED CODE FROM THE PAYROLL SYSTEM?

THE CROWD IS SILENT.

HERE'S A TIP: DON'T FLY ON PAY DAY.

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Summary of Core Curriculum Changes: The Committee Report

Core curriculum reform at Caltech recognizes the strength and value of the existing core yet seeks to incorporate some aspects of science that are currently missing but so important in the modern scientific world and society. The reform allows us the opportunity to modify existing core curricula and also incorporates a new way of doing business: The core courses will be under the control of the Core Curriculum Council and its Steering Committee rather than the individual options. The benefits of this new approach include the opportunity to encourage and maintain coherence and quality control among the core courses, the active role of an institution-wide group in the selection of instructors and the opportunity to consider and implement new ways of instruction.

Major core curriculum reform will begin with the next incoming freshman class, but the new structure of a Core Curricula Council and its Steering Committee will ensure that it is an evolutionary process in which further changes and monitoring can take place. In general, the new core will not demand more of the students (in total units) nor will it change the load distribution unduly. We urge that students take core courses at the appropriate times (i.e. complete the core in two years). In the future, as in the past, an effort will be made to recognize the diversity of student capabilities and interests, even while embracing the importance of a common set of courses. Contraction of the existing core will be from 54 to 45 units each in Math and Physics and from 18 units to 15 units in Chem 1. The 21 units thus released will be devoted to a new required course in Biology (9 units, 3rd term freshman year), a 5 unit menu course in some other area of science (3rd term freshman or sophomore year) and a 3 unit written Science Communication requirement. The new biology and menu courses are primarily intended to expose students to important aspects of science that are currently not part of the core. They can be secondarily helpful for some students to decide on their major. We recommend delay in taking the core courses at the sophomore level is as an indispensable part of the education of scientists and engineers for the 21st century and place high emphasis on the choice of instructors, approach and content that will be attractive to students. The proposed

In general, the new core will not demand more of the students (in total units) nor will it change the load distribution unduly.

As an consequence of our proposal, there is a net increase in 3 units in each of the winter and spring terms of the freshman year. In the winter term this is due to Chem 1b being 9 instead of 6 units. In the spring term, the increase comes from Bi1 being 9 units, whereas the deleted Chem 1c is 6 units. Those choosing the Menu (9 units) instead of a six unit elective get a heavier dose of science than is typical. Most students currently take 45 units or more in each quarter of their freshman year, so the proposal is consistent with the actual practices of students. However, we do not yet know the consequences of the recent change to letter grades for third term freshman year.

The new required biology course will be topical, but designed to introduce students to a variety of tools and concepts of modern biology. We see biology as an indispensable part of the education of scientists and engineers for the 21st century and place high emphasis on the choice of instructors, approach and content that will be attractive to students. The proposed
The CD’s reviewed are all ones that I liked enough to buy, and as a result, the starring scheme is a little weird. It works like this:

0 - a gift, saved only to be a ride chaser 1 - it’s okay, so I keep it around for those occasional urgues 2 - it’s pretty good, but either not great or not my usual genre 3 - it’s good, gets listened to regularly, and I plug it to friends 4 - it’s really good and spends more than its share of time in the player. 5 - it’s absolutely awesome and I can’t imagine living without it. (Note that there are not very many CDs that make it this high.)

mean=3, std dev=1

Jim’s CD Reviews

The CD’s reviewed are all ones that I liked enough to buy, and as a result, the starring scheme is a little weird. It works like this:

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mean=3, std dev=1

The halves are because I can never make up my mind. If you want any more info on any cd, or think I should hear one of yours, just drop on by my room (dabney 11) or email me (dabney@ugcs).

Big Hard Dsk volume 2
This cd has its own flavor. While not industrial or hard techno, it’s certainly not gentile. It is a compilation by someone associated with Sheep on Drugs (not the inside world) so Sheep have 2 songs (including the master mix of motordrive, worth one point in Kontrol Fakto Bingo) and find their way into mixing 3 more. There is an orb song, one from lattor, and two from yello. I especially liked E (not the drug, but the sarajahi sun set mix) it felt good (E, if you can explain it, you aren’t experiencing it).

3 stars.

Bjork Post
I love the song “it’s oh so quiet.” It’s super cool, and bjork is too. Her songs all use her voice like it was a musical different instrument. Behind her vocal escapa pades are beats, sometimes heavy, sometimes light, and her perfectly controlled voice beatifully floats gently above them. A few of the songs sound like some form of techno where bjork is the lead synthesizer. “it’s oh quiet” has a big band back ing that’s way cool. Bjork has a weird style, so before you get any of her stuff, give it a listen. She is very good, in my opinion, so if you’re cool, you’ll like it. If you don’t...

3 stars

Black Sheep A wolf in sheep’s clothing
The black sheep of the native lounge family are The Black Sheep. When De La Soul and Tribe called Quest started mak ing records for Tommy Boy, they brought with them a bunch of friends and with the help of Prince Paul, the dude responsable for many rap groups including the whole native tongue, got together. To De La, Queen Latifah (who doesn’t hang with them anymore because she’s so good.), The Violators, Jungle brothers, and Black Sheep. This album is hilariously gross, with 9.5 inch penis humor, and the word box more often than “the.”

Cameos of Q Tip, Fife and the Violaters make it entertainingly connected. If you liked the older rap with the native tongues (none of the new crap from the guys) This is one CD you’ll like.

2.5 stars.

Blind Mellon - blind notes
“And I speak my point of view but it’s not sane.” I heard “no rain” on the radio and thought it was a woman singer. i.e. cranberries on krak. Since I liked the song, I bought the album. It turned out to be pretty good. It’s unfortunate that “no rain” was much more successful than the album, since it’s not even the best track on the album. It’s all good, but unlike Green Day, each song is a different set of ideas, so despite the wonderful continuity and great guitar, each song is a definitive entity. Pretty cool.

2.5 stars.

Blur - parklife
Blur are hard to explain. I first heard them on volume, and then their new album came out, and I heard that, and this is their next-to-new album. I haven’t really heard any of their older stuff, and the stuff I have varies a lot. As for parklife, it’s pretty cool, and it makes me think of europe, kind of the form if they made rock, not electro pop. Girls and boys almost has a different sound to it. To get an idea of what Blur sounds like, ask the “The” mailing list jon@oneline.co.uk or borrow someones. I like it.

2.5 stars.

Boo Yah Tribe N.Y. Funky Nation Seriously funky rap from six bad brothas is what this album does to you in your earhole. It’s good old school, with smooth bass samples over hard beats, and since it’s from the last year of real rap, they’re all dressed weird, especially the honkey, who looks like a german. They pledge allegiance to new funk nation and rap about how fast they can change their clips and smoke their dope. I give them props for the funniest anti drug message “sell it, don’t do it.”

1.5 stars.

Brand Nubian One for all
This is the first album of the rap group which has the most cre ative rappers and intellectual lyrics. Saddiq X is well versed in history and makes many subtle references to all different events in US history as he conveys his ideas about modern problems and events. Grand Puba, who has since released his own al bum, is a very helligerent anti many-things guy who vents about such things as whores and gold diggers, whites, and how he is really just being positive about blacks. He’s certainly very art istic. This album has my fa vori te rap song, concoctio in x minor, saddix X at his best.

3.5 stars.

The Boredoms - Chocolate Syntha rizer
This is the strangest album I own. It is by a japanese band, so I am unable to understand the few lyrics that are on this album, but that’s okay. I bought it for sheer noise value. It is a weirdo noise. Clanky, beepy, grindly, quiet noise. I really like action synthesizer hero and the disco sounding synth on acid polle.

2 stars

cya next time...

until later - JP
ATHLETIC ACCOLADES

BY ANGIE BEALKO

Senior Steve Tsai may be mild mannered off the basketball court, but as soon as he steps onto the floor an amazing transformation occurs. He becomes an animal. Between the inspiration he feels that God gives him each day and his devoted parents cheering him on at every game, it doesn’t seem like Steve can lose. As a matter of fact, he’s won almost everything. As a freshman he took home the “Freshman of the Year” award after starring all year at forward for the Beavers. His sophomore year Mr. Tsai won both the “Highest Free Throw Percentage” award and the coveted Vesper (MVP) trophy. Last year as a junior Steve earned was honored as the Best Defensive Player on the team. For four years Steve has been a starter on the men’s hoop squad, and this year is the team captain.

In addition to his athletic prowess, Steve is also an outstanding student at Caltech. He is a biology major with plans to attend medical school. This year Steve was nominated for an NCAA Scholar Athlete Award (winners will be announced in the Spring), placing him amongst some of the nation’s most accomplished student athletes. “Steve has made a great commitment to the team. He has made every practice this year except for one and manned an interview. I admire him and his teammates for coming out every day and working hard just because they love the sport, not because they’re trying to win a championship. Steve gives over a hundred percent every day and has a fantastic attitude,” adds Men’s Basketball Coach Gese Victor.

This year Steve leads the team in field goal percentage, and tallied 19 points on two separate occasions. Forget about the work you have to do some Wednesday or Saturday night and come on down to Braun Gym to hear Steve yell “shot” in one of the deepest voices you have ever heard.

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Gentlemen Beavers Run Into "Ratio Trouble"

by Angie Bealko

Last Saturday night the Occidental Tigers visited Caltech for the second men’s basketball match-up between the two teams this season. Despite Caltech’s strong showing in the first contest, the Tigers were too much for the mighty engineers to handle this time around. Caltech fell 68-44.

The opening tip went to Oxy, and they pushed the ball quickly down the floor forcing Senior Matt Goff to commit Tech’s first foul with only 23 seconds off of the clock.

Occidental pressed Caltech from the onset, but the Beavers managed to handle the press with ease throughout the match-up, never losing the ball in the back court.

Junior Josh Moats put Caltech’s first points up on the board with a three pointer about two minutes into the game. After that the Beavers scored two points off of Sophomore Ben Turk’s free throws, but couldn’t sink a field goal for nearly five minutes.

Turk broke the dry spell with a short two footer off of a nice pass from Moats. Sophomore Arun Durairaj helped out Tech sinking a three at the midway point of the first half.

Junior Steve Tsai answered back with a three pointer twenty seconds later. Senior Matt Goff, Freshman Mike Grebeck, and Turk all sank a bucket before time expired for the half, leaving the score in favor of the Tigers at 31-19.

In the second half Turk sank four more free throws right after the halftime intermission, pulling the Beavers slightly closer to their opponents. However, Occidental slowly started pulling away. Durairaj, Tsai and Moats each sank another three pointer for Tech, and Goff put in three more field goals.

Both Goff and Turk made outstanding blocks, with Turk’s earning the unanimous appraisal of both the Occidental and Caltech fans.

Freshmen Brett Tolman, Matt Hall, and Caleb La Vergne, and Juniors Bob Webbink and Gilbert Yoh all saw playing time in the last ten minutes of the second half. Webbink had a key defensive block which enabled the Beavers to push the ball quickly down the court and set up Goff for two. The highlight of the game came when Hall sank a three pointer from the baseline with 26 seconds left in the game.

The next home game for the men is Saturday February 17th against Claremont Mudd.
Caltech Beats USC in Men's Volleyball Season Opener

by Rich Chinn

On Tuesday, January 30, the Caltech Men's Volleyball Club team traveled to USC to play the opening game of the 1995-1996 intercollegiate season. Having scrimmaged the USC club team earlier in the winter, the Caltech squad knew it was in for a tough match. The team came out in force, bringing 16 of its 18 players to USC.

Caltech started well in the first game, jumping to a 6-1 lead. USC was able to rally to even the score though, and the game became a furious contest of sixties. Consistent passing by swing hitters Andreas Manzur and Steve Sears coupled with the soft hands of setter Chad Edwards helped keep the team's offensive options open, and kills were evenly distributed among all the players. Good blocking by middles Gary Leskovitz and Mike Machcynski as well as opposite hitter Jack Prater gave a hint of what was to come in later games. Unfortunately, opening game jitters were evidenced by inconsistent service and defense, which USC was able to capitalize on to take the game, 15-12.

In the second game, Caltech came back with a vengeance. Most of the mistakes of the first were erased. Manzur and Sears brought both raw power and grace to taking up their kills. Prater showed his uncanny ability to find holes in the USC defense and bury the ball. The Caltech blockers were able to shut down the USC offense. Sustaining momentum visually, Edwards led the team to a 15-7 victory. USC was galvanized into action in the third game, and Caltech's squad tapered somewhat in concentration. USC was able to jump to a 13-6 lead and seemed to have an unstoppable momentum. The squad was able to stage a comeback and regain the momentum of the match, but was ultimately unable to overcome the USC lead and lost the set, 15-10. The rejuvenated Caltech squad was fired up for the fourth game and jumped to another 6-1 lead. USC was again able to rally to tie the score. Then Edwards came back into the match, re-freshed, the Caltech block came alive and destroyed the USC offense, and the set and the game was won. USC was able to score only two more points as Caltech steamrolled to a 15-6 win.

The fifth game was tense as always, it is a rally score, point-by-point play. Edwards earned in the mini-break but it was soon recovered by USC. However, the Caltech team was not to be denied. Passing by Manzur, Sears, and Kiely made the USC serves almost ineffectual, and vicious spiking picked apart the USC defense. Caltech won a mini-break to change ends, then went on for a 5-point lead. Head-up blocking and defense led Caltech to close the game and match, 15-11.

In all, the match lasted a little over two hours. The squad showed its fierce determination to win in taking the 5-set victory, 12-15, 15-7, 15-12, 15-11, 15-12.
The 1996 Bay Area Mardi Gras will be selling women's hats to help raise funds. It will be held at April 16th. Funds will be used to help the women's project. All the women will be wearing hats such as the beautiful ones we've seen in the movies. The event will be held in the evening at a local restaurant.

Thursday, March 29th at 7:30 pm, the 8th Annual Women's Business Forum will be held at the Westin St. Francis in San Francisco. There will be a panel discussion on issues affecting women in business. The event is open to all women interested in learning more about the challenges and opportunities facing women in the workplace. The registration fee is $100 for non-members and $75 for members. For more information, please contact the Women's Business Forum at 415-555-1234.