Student-Designed Satellite Set for Launch Tomorrow

PASADENA — A satellite built by undergraduates working with Jet Propulsion Laboratory (JPL) engineers will be launched on the morning of November 4 from Vandenberg Air Force Base on the central California coast. This date is fairly firm, but has slipped recently and is not carved in stone.

Called SURFSAT, the satellite will fill a need for a Deep Space Network (DSN) calibration satellite. It will emit weak signals at three microwave frequencies, imitating a deep-space probe. The faint signals will allow testing of Very Long Baseline Interferometry tracking stations, and aid in research and development work in deep-space communications at the Deep Space Network, which tracks planetary probes such as Voyager and Galileo.

The project has provided an excellent opportunity for students to work with space technology and to learn low-cost mission operations,” said Joel Smith, JPL Project Manager at ARES.

More than 60 students from 14 colleges in the United States and the United Kingdom have worked on SURFSAT during summers since 1987, as part of the Summer Undergraduate Research Fellowships (SURF) program at the California Institute of Technology. Each summer between five and 15 students have worked with a JPL mentor on aspects of the design, testing, and assembly of the satellite, and for the last few years work has continued year round. The SURF students came from the following colleges and universities: Arizona State University; California Institute of Technology; Occidental College; Pomona College; Rensselaer Polytechnic Institute; Stanford; the University of Alaska; UC Berkeley; UCLA; UC Davis; the University of New Mexico; and the University of Texas at Austin. Currently, SURFSAT is the second payload on a NASA rocket that will boost another object, the Canadian RADARSAT spacecraft, into orbit. The student satellite, consisting of two aluminum boxes measuring roughly 1 lb. in volume, has assembled the students from the ARES program.

SURFsers Show Off Research

By Jim Cheng

Wrapping up their Summer Undergraduate Research Fellowships, Caltech SURFsers gave oral presentations of the results of their research to fellow students, faculty, staff, alumni and parents on Saturday, October 21.

After a short buffet lunch in front of Beckman Institute, the participants and guests broke up into 23 parallel sessions held throughout the Caltech campus lasting until late afternoon. At each session, SURF students gave 20 minute presentations, which were then evaluated by the alumni Session Chairs and the students’ audience members. Student presentations covered such wide-ranging topics as a SURF retrospective, the recent impact of the Shoemaker-Levy Comet on Jupiter, and a simulation of the behavior of a mountain biker.

Though some participants were still rehearsing their presentations before lunch, many were well prepared and were quite enthusiastic about presenting the research they’d conducted over the summer through the SURF program.

SURFers Saurabh Saha, who worked on protein localization in Leishmania at Harvard Medical School, said “It was probably one of the best academic experiences of my life.”

Parents, too, were very impressed with their sons’ and daughters’ work on their research and presentations. Nadya Brisken said, “It’s very nice. It gives young people a chance to earn money and work with top notch people in their areas of interest.”

Alumni Session Chair Frank Dryden commented, “It’s an excellent program, where students do real research and are forced to organize the results into a meaningful presentation before an audience.”

In addition to the students’ research, this year’s SURF program also saw the largest class of participants in its seventeen year history, and marks the creation of both the SURF Student Advisory Council (SURFSAC) and the Caltech Graduate Undergraduate Research (CURJ), which will feature the best SURF papers, chosen by an editorial board of faculty members, upperclassman and graduate students, and alumni.

At the students’ oral presentations ended at 4:30 in the afternoon, SURFsers and guests again congregated in front of the Beckman Institute for a poster presentation session, with posters on SURF research topics from femtosecond chemistry to voting manipulability.

SURF Seminar Day finally came to an end with the announcement of this year’s Doris S. Perpall Speaking Award semifinalists, who were selected on the basis of their presentations by alumni Session Chairs and undergraduate and graduate students, and alumni.

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The California Tech

SATELLITE: Launch date set for student project

CONTINUED FROM PAGE 1

16 by inches, is permanently bolted to the second-stage booster of a NASA/McDonnell Douglas Delta II rocket. It will settle into a polar orbit at an altitude of about 750 miles, where it will be powered by its own solar cells with no electrical connection to the second-stage structure. Scientists plan to use the satellite, whose final cost is estimated at less than $3 million, for the next year as a NASA test vehicle. Funding for the project came from NASA's Space Communications Division and Antarctica Division.

Caltech's SURF program allows undergraduates to pursue individual research projects in a tutorial relationship with a member of the Caltech faculty or JPL technical staff for 10 weeks during the summer. SURF students propose research projects in an imitation of the grant-seeking process. Faculty committees then review the proposals, and SURF bases its awards upon their recommendations. Students submit technical reports at the end of the summer and give short presentations about their research at SURF Seminar Day in the autumn. As with any fellowship, the students receive a stipend for their work. In all, the Caltech Student Research program had 240 students participating.

SURF is scheduled for launch at 6:22 a.m. PST on Saturday, November 4. NASA Select television will show the launch from around 5:30 a.m. to 7:50 a.m.

The California Tech

November 3, 1995

EXPERIENCE THE UNEXPECTED OPERA ALA CARTE

THE MAGIC OF GILBERT AND SULLIVAN
SATURDAY, NOVEMBER 4, 1995 / 8 PM
Beckman Auditorium
Regular Prices: $29.00 — $29.00 — $29.00
Paco A. Lagerstrom Chamber Music Concerts
PAUL GALBRAITH
"Orphecon" (with 8 strings)
SUNDAY, NOVEMBER 5, 1995 / 3:30 PM
Dabney Lounge
FREE
Transcriptions of Bach's complete violin compositions.

The Fourth Annual
JAMES MICHIEL DISTINGUISHED VISITOR'S LECTURE
WEDNESDAY, NOVEMBER 8, 1995 / 8:30 PM
Beckman Auditorium
FREE

CIT STUDENTS: Half price for all events
$8.00 RUSH tickets day of show (subject to availability)
CIT STAFF / FACULTY: $2.00, for all events
Half price TECH/CHRS available day of show (subject to availability)
Call the Caltech Ticket Office at 4652

The California Tech

IHC MINUTES
OCTOBER 31, 1995

Present: Tom, Laura, Art, Nestor, Vogel, Brian, Alison, Adil, Bill and Tom Mannion
Meeting begins at 9:26 p.m.

* Tom Mannion discusses 3 things with us: House Furniture: To avoid the hassle of housing purchasing furniture or reupholstering furniture, each house will be given a budget for common area furniture. This includes things such as library furniture, computer room chairs, and common area couches. It is also pointed out that if any house needs major work (such as leveling, refelting...) done on its portable, housing can help with that cost.

Thefts: Recently there have been a major number of thefts from Tech student dorms. Ruddock has been missing missing many types of food disappear from Blocker every day. Most people feel that if you have a cabinet you are responsible for locking it yourself, but Tom offered to put locks on cabinets, fridges, and possibly doors on some of the kitchens. Also, combo locks are to be installed on 175 UICs as well as in SAC offices. The four exterior SAC doors will have locks and the doors leading up to the houses will have locks to get into the houses. Don't forget to lock the laundry room when you leave! The South house room doors don't always close. Take initiative to close them behind you.

Summer TV Program: From the last minutes of the 1995 summer, a University would like to hold a summer program here at Tech. It would mean housing 175 7th graders for the summer. In all seven houses, the extra revenue would keep costs down, and each house would get a cut from the profit of reselling our housing to the program. Up to 50% of PG employment would be created, we would require them to be PGs and RA's. We would also be seeking as many of the minorities as we could to boost the minority interest in Tech. Everyone agreed the program sounded great but wanted to look into the numbers a little more and check with their advisors.

* Tom Mannion leaves, 9:30 p.m.

* People talk about InterHouse. President's decide to go back to their houses and gauge interest in InterHouse to see if we want to revive it. If you are interested in a new InterHouse revitalize, talk to your president.

That's all, folks!
Laura Brady
IHC Secretary

ADDITIONAL:
Also, another amendment was made to the shoot-the-moon clause to allow a challenge to come at the end of the year if a house merely comes in last in every sport without forfeit- ing any games, instead of a house having to lose every game of every sport. Passed (6-0-1).
El Dia de Los Muertos
Hispanic holiday celebrates the deceased
by Patricio Vela

Well folks, you guys know what day has just passed? Yup it’s Dia de Los Muertos. Dia de los Muertos is an inherently Mexican tradition, which according to the article, involves honoring the dead. The point of this blessed (holy) day is to honor those dead that you love or cherish. Your grandparents, your father, your favorite singer (Jenny Garcia?), whenever you feel is important enough to remember, they are dead as long as they are dead. For most of you Halloween may not be your favorite thing, but elsewhere it is a relatively nonexistent occasion. Please do not be spare with your little spooks, they are more extravagant the more you cury the gods favor, I think.

Last year I went home to Chula Vista for another wonderful Anglo/Gringo tradition, and my cousin just so happened to be doing that very same tradition in the United States. We went to all kinds of museums to see all of the offerings our Mexican brethren had to offer.

Now even though San Francisco isn’t the Mexican haven that Los Angeles is, it has its numbers. The sfvendra were tremendous, ranging from simple people wanting to show those they loved to artists displaying their best in honor of a deceased one. Skeletons were a frequent item or the art in many various places.

Which reminds me of a little story I have. Although the tradition is Mexican in nature, that does not mean that others do not partake in the festivities. This past little trip to Mexico this summer, there was one thing my Dad and I had agreed on before we left, it is to think he is Sabadoorden. We went to see Aztec ruins and artifacts, that day of the dead pictures of skulls, and what occasional skeletons they had. At the local weekend markets he bought two or three, a sacrificial band consisting of skeletons, and another scene of a skeleton wading through a crowd. I really wanted to put that sucker on our wedding cake. I ended up infusing in us this bizarre propensity for skeletons and such.

But back to my article. This thing we have about the dead manifests itself in interesting, perhaps in a somewhat surreal, and sometimes very beautiful ways. So for all of you aspiring developers (or not sure why) people I strongly urge you to go check out the Dia de los Muertos exhibits and/or celebrations. I strongly urge you to go check out the Dia de los Muertos exhibits and/or celebrations.

The ones I have been informed of are:

- Separate Admission
- It’s not free.

The future of Avery House is really up to the people who live in it. Over a hundred undergraduates next year along with graduate students and faculty. To make sure that the house is the kind of place you would like to live in, there will be an Avery house meeting on Nov. 2 and your opinion will count.

Avery House, under construction right now, is just north of the MOSH’s house. Avery house is to be the first Caltech residence with undergraduate grads, and faculty living together in one building. Some of the issues related to Avery, are whether it should become an eight house or not, and who will live there. A number of students discussed Avery house at four of its meetings this summer. While their opinions are not decisions that will necessarily be implemented next year, they do represent some current ideas about the project.

Many thought, for instance, that freshmen should not be members of Avery House, at least for the first year. With no existing house government and no real idea of where the house is headed, it would be difficult for freshmen to choose or be chosen by Avery. While Avery is in its first years, there will not be the social support structure present in the other houses. Some suggested that, for at least the first year the Avery pick should be equivalent to an off campus pick, allowing upperclassmen to stay on campus and on board even if there is not enough room in their respective houses. These suggestions were made at the summer meetings, but by no means are they active decisions. The real decisions will be made after the second meeting.

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Chemistry Animation Project Offers First Videos For Sale

By Jay Aller

PASADENA — The California Institute of Technology’s Chemistry Animation Project has completed the first six titles in a series of broadcast-quality educational chemistry videotapes and has released them for sale to teachers and to the public.

The videos illustrate many of the three-dimensional concepts that are central to the basic chemistry curriculum, but that can be difficult to visualize. The six tapes now available cover three introductory topics, 

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**Crystals**

**“Atomic orbitals,” and “VSEPR” (valence-shell electron-pair repulsion theory); two intermediate topics, “Stereochemistry” and “Nucleophilic Substitution;” and an advanced topic, “The Diels-Alder Reaction.”

“Our goal with the project is to revolutionize the way students at all levels can view the chemical world,” explained project director and Caltech chemistry professor Nathan S. Lewis. “We want to stimulate the thoughts and curiosity of teenagers, to get them to ask questions instead of merely obtaining numerical answers for assigned problems on a topic.”

“We want people who don’t need to be led with new ideas and the initiative to give up rules, regulations, and bureaucracy. We want talent, bright people with new ideas and the initiative to give those ideas a shot. You’ll have plenty of opportunity at Teradyne. We’re an $800 million electronics company that competes in the global market, working with the world’s largest semiconductor. Our technology is cutting edge, and our commitment to Total Quality Management is unwavering. In other words, we’re big...but not too big! If you want to learn more about your place at Teradyne, visit your Career Services Office or check out our career page on the Internet’s World Wide Web at: http://www.teradyne.com

**Teradyne**

**The right place for you.**

Teradyne is the right place for people like Regan Mills. It’s a stimulating environment that challenges people every day. You’re free to do the things you think need to be done, with a minimum of rules, regulations, and bureaucracy. We want people who don’t need to be led by the hand. We want talented, bright people with new ideas and the initiative to give those ideas a shot.

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**TERADYNE**

**An Equal Opportunity Employer**
**This week’s Crossword**

by Wei-Hwa Huang

**Across**

1. No one’s got one like Gatson’s
2. You love Latin?
10. The “no” in E=mc²
14. Wolverine
15. Al the llama?
16. Barbara the Jeannie
17. Frustration
18. Rube

**Down**

1. Cave Bear, e.g.
2. Solitary
3. 24 sell for the price of 12 at Pavilions
4. Tip, e.g.
5. Worried

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**Solution to last week’s puzzle**

D A L I  B E S S  A C R E S
I V A N  E X P O  S H A V E
M O T H  S I R S  W A D E D
S N E A K I L Y  T I R I N G
B I D  C O R D I T E
S P R I T E  T O O L
P R O T E S T A N T  C E S S
E A S E S  H I D  K A P P A
D Y E D  C O L O R A T I O N
P A S S  E L E C T S
R O S E A T  S P E C
I D E A L S  C A R S H I N E
L E A S T  M A G I C D O L
E L M E R  O P E N  S E E K
S L Y L Y  D O S T  M A S S

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**Logic Puzzle**

by Wei-Hwa Huang

Last week, the super-secret meeting of the Caltech Logic Puzzle Club was held in a room in the SAC (Student Activity Center). Five out of the club’s six members attended, representing each of the four classes. (Some of you smarter people will have already deduced that two of these students were in the same class. You’d be absolutely right; in fact, they rotated out of Page as roommates.)

For the interests of the society, they will all be assigned a pseudonym for the remainder of this puzzle, e.g. “Quine.” The first point on the agenda was to discuss what sort of logic puzzle to publish in the student newspaper; each person had their own opinion, except for one guy who was just there for the free food. Eventually the one who was from Blacker proposed that they would come up with a standard logic puzzle for their first article, which everyone agreed with, even the Lloydie. Before the meeting adjourned, the Bio major offered to create the puzzle, with the EE and AMa major helping him. So, with the following clues, can you match each member with his pseudonym, his class, his major, his house, and the type of puzzle he liked?

1. The advocate for numerical logic (who isn’t the Darb) and the advocate for sequential logic are in the same grade. The person who wanted a meta-logic puzzle calls them “frosh” by force of habit.
2. One of the members was “Boole’s” prefrsh.
3. “DeMorgan” is in a class by himself. The meta-logic advocate isn’t a senior.
4. Although the tri-valued logic puzzle advocate still acts the most froshly, technically he isn’t one. He often teams up with the Chern major against the two North Housers.
5. The Mole doesn’t need AMa 95 to graduate.
6. The five students are: the two in the same grade; someone younger than they are; “Carroll” (who isn’t the Darb); and the Flem, who hates tri-valued logic.
7. The sequential logic advocate (who is not from either Ruddock or Dalney) and the one who likes tri-valued logic hate Physics. On the other hand, “Boole” and the two same-class people can’t stand math.
8. “Gödel” is not the Rudd.

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**THE CALTECH SCIENCE EDUCATION CLUB** will have its initial meeting on Wednesday, November 8th at 5:15 p.m. at the CAPSI House 287.

Come and discuss your ideas with others who are involved in the vital and challenging endeavor of improving science education at all levels. Whether you are considering the possibility of a career in teaching or want to make science education and science education outreach a part of a research career, or simply want to contribute in some way to this very important work, please join us in an informal, ongoing discussion. We will touch upon the relationship between science, scientists and science teaching at all educational levels.

Members of the Caltech community are all invited: undergrads, grads, postdocs, staff, faculty, anyone interested in science education. Please RSVP by Nov. 6th to Jane Sanders, jzs@caltech.edu, or x4016, so we’ll have enough to cat.
ADAM VILLANI: MEDIA GUY

by Adam Villani

Boingo
October 30 at the Universal Amphitheatre

While perhaps known to most of the country as the rock band movie composer Danny Elfman, Boingo, the Los Angeles band that came in on the title of the 1994 movie "Perry Mason," usually known to the southern Californians Boingo (formerly Oingo Boingo) is a favorite good-time band, bringing merriment in the form of their concerts and albums since the late ’70s. Their next release, their sixth album, Boingo has formed an end, and as they’ve promised that their concert Halloween night was their last event.

I managed to get tickets to their penultimate show October 30, an excellent 195-minute, 39-song show in which Boingo drew from their entire oeuvre, from hits like "Dead Man’s Party" and "Only a Liar" to crowd favorites like "Everyday" (featuring the fabulous rapping Robbie Bennett,.obscure gems from the Boingo vaults like "I’m So Bad" and "Replicels and Samurai."). The show was also peppered with songs from their last studio album, which topped the charts in Southern California and made the band a hit. Their second album, "Reptiles and Samurai," was the launch of their career, as some sort of bouncy, mischievous elf prone to breaking stride. The Icelandic singer has only two albums of solo material to cull from, but both are full of great tracks, several of which appeared in markedly different arrangements in concert; I would love to see more.

Afro-Mexicah

This year’s Woody Allen movie (coming to Landmarks’ Rio in South Pasadena today) finds the New York intellectual’s favorite writer-director-actor really stretching himself by playing a nebbish Jew who adopts a child and falls for much younger women. In all seriousness, though, it’s easy to forget that despite his tumultuous private life and the same subject matter, Allen continues to make humorous, likable, pithy movies full of character-driven performances, tightly written and expertly directed. In Afro-Mexicah, Allen plays the father of a seemingly perfect adopted son who gets curious about the child’s birth parents and starts investigating, in a hilarious, deadpan performance as a ditzy prostitute and porn star, is the mother. The whole affair is watched over by a Greek chorus, a stylistic gag that works more often than not. It doesn’t, and certainly shouldn’t become a long-term place. Afro-Mexicah isn’t the best Woody Allen movie ever, but mediocre Allen is still pretty damn good.

Björk
November 1st at the Hollywood Palladium

While the majority of this year’s concert happening was Wednesday night’s concert by up-and-coming singer Björk (she’s dropped the Godmundsdottir at the Palladium was very strong). Björk’s songs from the ex-Sugarcubes vocal/’sild’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/vard’s/vardi’s/var
by Joe Trela

In which for the want of a thumb, the hand in the till is lost

In one corner, we’ve got Mike Tyson versus Buster Mathis, Jr. with the Iron One on free commercial television for probably the first time since he finished doing those Nintendo commercials for Punch-Out. In the other corner, we have Evanxler Holyfield up against Ridick Bowe; it was almost certainly destined to be a more interesting fight (especially if what Holyfield said about faith healer Benny Hinn fixing his heart condition turned out to be wrong), but, alas, it was fatally stricken by the Dread Carpe of Faul-Puu-Vee.

It’s obvious to even the casual boxing viewer (like myself) that in the contest between Free+Shiny and Expensive +Grity, the fewest syllables wins. Kiss fight number 0. This is not to say that all the rubberband fights are analogous, but some horny sixteen-year-olds in the “Naughty Web Pictures Page” showing up on the Buffalo Bills’ site while attempting to set up another wacky stunt in which Crackers, the Corporate Crime-Fighting Chicken, is duct-taped to the ceiling of the Georgia Dome with a Super Soaker full of hot pepper oil. Apparently, it was to protest the exporting of automotive jobs or something.

BUFFALO VS. INDIANAPOLIS-

Kiss, while recovering from prostate surgery, Mary Levy attempts to become the first coach to run a team from his home through the French Open. The plan falls through when an error results in the “Naughty Web Pictures Page” showing up on the Buffalo computer system and a Shant-2 pass play appears in front of some horny sixteen-year-old in Baltimore.

Pick: Buffalo

NEW ENGLAND VS. N.Y.

JETS:

After being sequentially denoted to second and then third place on the Jets quarterly chart, Boomer Esiason becomes the only player to be sent down to the Wellness spot; he is then locked in a trunk for his own protection.

Pick: New England

HOUSTON VS. CLEVELAND:

The Houston team bus is nearly swamped by Cleveland’s first annual “Our City’s Cooler Than Yours” parade, featuring Harlan Ellison, Trent Reznor, the Pretenders, the Cleveland Indians and Grand Marshal Drew Carey.

Pick: Cleveland

DETROIT VS. ATLANTA:

Mike Moore, native of Michigan, and creator and host of the “Let’s talk to the players without making sure that the President suffers from major allergies, correlation scientists began to look at that and find something interesting. For several years, they’ve been running a study on white people and their reaction to the President. It seems that the majority of the people interviewed were not impressed with the President’s performance. In fact, many of the respondents expressed their disappointment with the way the President handled certain issues. It was during one of these interviews that the President suffered a minor allergic reaction, and his handlers had to come up with a quick plan to divert attention. The President’s handlers quickly made arrangements for the President to leave the room and go to the White House for a brief medical evaluation. During this time, the handlers instructed the President’s press secretary to announce that the President had been rushed to the hospital due to a severe allergic reaction.

Pick: Atlanta

ST. LOUIS VS. NEW ORLEANS:

Dissatisfied Rams fans kidnap QB Chris Miller, tie him to a raft and float him down the Mississippi River to his game; he is found unharmed and announced that he “has become more in touch with nature, especially the striped bass that nested in my shorts.”

Pick: St. Louis

GREEN BAY VS. MINNEAPOLIS:

Only three days after his unveil, “Jilly Judd”, the protagonist in Upton Sinclair’s novel The Jungle, and new mascot for the Packers, is pulled after massive complaints from vegetarians and the local Lutheran community. He is replaced by Marv, the Minimum-Wage Drone (sponsored by Tyson Foods).

Pick: San Francisco

ARIZONA VS. DENVER:

After the automated air traffic system at Denver’s new airport continues to refer to their plane as the “Flying Squirrel” and a jumbo jet is forced to change course to avoid a collision with the plane, four of the Cardi­

vation fleet, four of the Cardi­

ers are forced to land in Boul­

der and hitchhike to Denver. They are picked up by an annoy­

ing yet endearing character with rainbow suspenders who says “Nanoo, Nanoo” a lot and nearly crashes the van after sucking some “Liquid Heat” liniment out of a bottle with his finger and passing out.

Pick: Denver

N.Y. GIANTS VS. SEATTLE:

The Giants make the mistake of flying into Seattle airspace on a DC-9; after some quick exchanges with the 12th Air Wing of the Washington Air National Guard, they replace their guards with airport parking guards and take a Boeing 727 for the final leg of the journey.

Pick: Giants

MIAMI VS. SAN DIEGO:

In an event similar to that occurring to his teammates Rick Mirer and Cortez Kennedy, Seahawks QB John Friesz is fined $5,000 after being seen eating a hot dog. “The fact that it was in DeWetten’s Bar on a Wednesday and not on the sideline during game time,” says coach Dennis Erickson, “is not a mitigating factor. Players must learn to behave.”

Pick: San Diego

PHILADELPHIA VS. DALLAS:

An official city report announces that the massive corruption probe in Philadelphia has even extended to the secu­

rity at Veterans Stadium. It turns out that some security guards were letting small children in to get autographs from and talk to the players without charging them the standard $20 autograph fee; fans are shocked.

Pick: Dallas

Last week: 7-5

Record This Year: 21-17

Due to a clerical oversight, many amendments made to the ASCIT Bylaws by last year’s BOD are not within the copy of the Bylaws in this year’s Little t. These amendments, however, are now in the copy of the Bylaws accessible from ASCIT’s homepage on the Web. Sorry for the inconvenience.
Last Saturday, the Atlanta Braves defeated the Cleveland Indians 1-0 to bring Atlanta its first major sports championship since 1990. The Braves finally won the World Series after losing in 1991 to the Minnesota Twins and in 1992 to the Toronto Blue Jays. In 1993, the Philadelphia Phillies defeated them in the National League Championship Series (NLCS).

Under pressure to shed their label as chokers, the Braves finally met the expectations of their fans. After dismantling the Colorado Rockies in the Division Series, they swept the Cincinnati Reds in four games in the second round of playoffs, the League Championship Series. The Reds looked simply pathetic against Atlanta, as building Cincinnati superstar Reggie Sanders stay out in three fourths of his at bats. The rest of the Reds followed suit, tying the record for fewest runs scored in a playoff series. Former Los Angeles Dodger Mike Devereaux was named Most Valuable Player (MVP) of the series.

The Indians had dedicated the Seattle Mariners as one of the most exciting playoff series in recent memory. The Tribe (Cleveland) finally won after six grueling games due to the brilliant pitching of former Dodger Orel Hershiser, who was named playoff MVP. Hershiser was also the MVP of the 1988 NLCS and 1988 World Series.

Though the Indians had the best record, 100 wins and only 44 losses, in about half a century, the Indians are 0-8 in World Series appearances. In fact, five of the six games were decided by one run, the last being a 1-0 one-hitter by Glavine and closer Mark Wohlers. Glavine has more wins than any other pitcher (including teammate Greg Maddux, unarguably the best pitcher in baseball) in the Major Leagues over the past five seasons. With Glavine, Maddux, John Smoltz, Steve Avery, and fifth starter Kent Mercker, the Braves have the best starting rotation in baseball.

Though it is questionable whether they had a more talented team than Cleveland, it was Atlanta who won. Nevertheless, the Indians will have an excellent opportunity for a rematch, as both teams should dominate their respective leagues over the course of the next few seasons.

**SPORTS**

Atlanta Tomahawks - Cleveland

by Mason A. Porter

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**IF AT FIRST YOU SUCCEED, TRY, TRY AGAIN.**

In the latest DALBAR Consumer Satisfaction Survey, a comprehensive study of 2,000 financial service companies - banks, mutual funds, brokerages, and insurers - TIAA-CREF was voted the leading provider of retirement plans. We'll try to do better next time.

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Sports

1995 Season to be Announced

on Campus: Interviews
Friday, November 10th
See your career placement
center to schedule an interview.

Don't compromise your career. Achieve a fast start instead with $3
Incorporated together well develop the next-generation of innovative multimedia acceleration
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Baseball Awards for 1995 Season to be Announced

by Mason A. Porter

Both the National and American Leagues will soon be announcing their Most Valuable Player (MVP) awards for the 1995 season, Manager of the Year (ROY), and Comeback Player of the Year awards. Some of these awards have obvious winners, while some are open to a wide range of debate.

The quest for the National League (NL) MVP award has been a heated contest between a number of excellent players. Catcher Mike Piazza of the Los Angeles Dodgers, despite missing a month with injuries, hit .310 with 30 home runs (HR) and 100 runs (RBIs). Teammate Eric Karros also hit over 30 home runs with over 100 RBIs, but his overall statistics less vaunted than Piazza's. Nevertheless, he was the team leader and was one of the best clutch hitters in the National League this season. Another prime candidate is Colorado Rockies outfielder Dante Bichette, who led the league with 40 HR and 128 RBIs. However, his batting average was .287; he had not done on a career record of .300.

The American League (AL) MVP award is going to go to Greg Maddux. He is going to get a first-place vote from every person every season to win his unprecedented fourth Cy Young Award. He is the best pitcher in baseball. His ERA was lower than 1.80 for a second consecutive season; that had not happened since Walter Johnson accomplished the feat about 80 years ago. Maddux, age 29, already has an excellent career ERA of about 2.80 and only about 90 losses. His career ERA is lower than 3.00, and it would be much lower if not for his horrendous first full season in 1987 when he was with the Cubs. Maddux is second only to teammate Tom Glavine in most victories over the past five seasons. Glavine, in fact, will get quite a few votes in the balloting, as he also had an excellent season. Others who will receive some votes are rookie Hideo Nomo (“Tornado”) of the Los Angeles Dodgers, and Pete Schourek and John Smiley of the Red Sox.

The American League Cy Young award is a contest of three starters and one reliever. The likely winner is starting pitcher Randy Johnson of the Seattle Mariners. He won the batting title, hit over 0.300, with 126 runs, and drove in over 100 RBIs. He also led the league in strikeouts, and was the main driving force behind the Mariners’ resurgence in the AL West race beginning in August. Closer Jose Mesa, age 29, of the Cleveland Indians is the likely runner-up. Arizona Diamondbacks’ Randy Johnson would be another strong contender.

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AWARDS CONTINUED ON NEXT PAGE
Baseball: Mason Risks Head by Identifying Winners

CONTINUED FROM PREVIOUS PAGE

shame by the press there when he exercised a right in June to retire from the Japanese League so he could play baseball in the United States. But the best play­ers in the world. (It is doubtful that such loopholes will be exploited in the future.) Mason cleared his mind and re­turned. The second Japanese player in major league history, Nomo showed the world that quality base­ball is played over there. He went 15-6, with a 2.48 ERA, he also beat Atlanta Braves right-hander John Smoltz for the strikeout title. He started the AL-Star game against Randy Johnson of the Mariners, pitching two scoreless innings and striking out three batters. Further­more, he drew people back to the ballpark, and has had a profound impact in saving the game of base­ball. Nomo and Cal Ripken were the main two reasons that many fans were no longer to abandon the game returned. Third baseman Chopper Jones still finish right be­hind Nomo. He played stellar de­fense in his first season as a third baseman after being converted from shortstop. He hit 0.262 with about 20 HR and about 80 RBI. He also hit well in the clutch. Many people saw that Nomo should win because Nomo played six seasons in the Japanese League. Such people also consider Nomo a rookie, and Jones may win if there are enough baseball writers (who vote on the Rookie of the Year award) among them. Moreover, they are clamor­ing for a rule to prevent people such as Nomo from winning the ROY award in the future. As far as I'm concerned, that is a bunch of crap. The winner should be the best rookie; no other considerations are relevant.

The AL ROY is a contest be­tween two rookie outfielders Garret Anderson of the California Angels, and Marty Cordova of the Minnesota Twins. Anderson of the Angels is the better candidate, but it's a very close call. He began the season on the major league club, but did not play much HR, as it usually does not send down to the minor league, only to be called back up in June and excel both at the plate and in the field. Anderson ended up with nearly 400 at-bats, hitting about 15 home runs with about 60 RBI. He also hit over 0.300. Additionally, he helped lead the An­gels during their big hot streak im­mediately following the all-star break. Cordova, on the other hand, began the season as the Twins start­ing leftfielder and was consistent during the entire season. He hit 0.277, with 25 home runs and about 80 RBI. However, he played poor de­fense. The vote will be close, but I am giving the edge to Anderson. A couple of minor candidates are sec­ond baseman Ray Durham of the Cleveland White Sox and reliever Julian Tavarez of Cleveland. Durham hit just under 0.270, drove in 50 runs, and played well defen­sively. Tavarez served as a setup man for Jose Mesa and performed admi­rably in that role. He won 10 games and had a good ERA. An award of somewhat lesser interest is Manager of the Year. Dan Byrd of the Colorado Rockies should win this award in the Na­tional League. He took a third year expansion team into the playoffs in the NL Wild Card. Though the team had some good offensive players and decent defense, its pitching was sim­ply horrible. It took excellent mana­gerial work to get a team with such a thin pitching staff all the way to the playoffs. Davey Johnson of the Reds deserves consideration for having to deal with Marque Smith all year. Even with that distinctation, he still reached the National League Championship Series. In the American League, Lou Pinella should win the award. He guided the Mariners to an excel­lent finish to steal the Western Divi­sion championship from the Angels. Another award is Comeback Player of the Year. Tim Wakefield will sin­ in the AL, and Ron Gant of the Reds will win the award for the sec­ond time in the NL. Wakefield re­tumed from obtion and Gant missed the 1994 season after a snow­ mobile accident the previous winter.
**Announcements**

**Events**

- The Caltech Yippeeet the Saturday Alternative Theater at 8 p.m. on November 4th, at 7 p.m. in the Beckman Busi

- The Caltech Bonniers will be hosting the author of Never Forgotten, The Life of Leon Paul Fying, Sunday, November 6th, at 8:00 pm in the Afternoon. Hager will be speaking and answering questions.

- The renowned folklorist Bob Galbraith (the fourth annual James McGee Bosco

- **Fellowships and Scholarships**

  - [Emphasis] Performing Arts Cultural Grant: $5,000 to be awarded to a student in any subject. Deadline: November 30th.

  - [Emphasis] New Initiative to expand the University's scholarship offerings. The program will also be available to students in the College of Letters and Science.

  - [Emphasis] The Center for Undergraduate Research will be offering $5,000 scholarships to undergraduate students for 2006/2007 academic year.

  - [Emphasis] Students interested in applying for these scholarships should contact the Office of Financial Aid for more information.

**Competition**

Making choices in a lifetime is sufficient for many band students to get excited. The Disc Makers 1995 Los Angeles Unsigned Band World Seri

**Awards and Scholarships**

- [Emphasis] The Beckman Auditorium. Admission stars at 7 p.m.

- [Emphasis] TACIT will be performing at the Beckman Auditorium with guest conductor Frank Ticheli. Of course, the concert will be conducted on the 21st century. A turntable or CD player is required.

- [Emphasis] The Caltech Oncologist will be holding a wine and cheese gathering at Frank Ticheli, of course, the concert will be conducted on the 21st century. A turntable or CD player is required.

**From the Counseling Center**

The Counseling Center is offering a Women’s Therapy Group for Graduates Students to help students deal with the stress of graduate school. The next group will be held on Wednesday, November 2nd, from 8:00 p.m. to 9:30 p.m. in the Beckman Auditorium. Admission is free.

- [Emphasis] The Caltech Oncologist will be holding a wine and cheese gathering at the Beckman Auditorium with guest conductor Frank Ticheli. Of course, the concert will be conducted on the 21st century. A turntable or CD player is required.

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