 Symposium on Scientific Communication to be Held

from Public Relations

A distinguished group of nationally recognized print journalists and radio and television correspondents will visit Caltech on Thursday, April 20, to take part in a symposium, "Reporting Science: Fact, Skepticism, and Communication," which will be held in Beckman Auditorium. An introduction will be opened by the moderator, veteran KNBC news anchor Jess Marlow, who will discuss ways to effectively inform the public about science news. The audience will include communications professionals from colleges, nonprofit organizations, corporations, hospitals, and research institutions. In addition, local high school and college journalism and science students will be attending.

The morning panel discussion in Beckman Auditorium will be followed by a noon luncheon at the Athena Center, during which Caltech staff, chief science and medical correspondent for NBC News, will deliver the keynote address and answer questions from the audience.

Fred B. Rael is the recipient of several awards, including the 1994 Peabody Award, the duPont-Columbia Award, and an Emmy for his reports on NBC Nightly News.

Caltech students are invited to attend the morning session at no charge. To reserve a seat for either event, contact Susan Pitts, 312372, the reservation deadline for Caltech students is April 15. Seating is limited.

Joining in the morning's discussions will be Pulitzer Prize–winner Deborah Blum, author of The Monkey Wars and science reporter for the Sacramento Bee science journalist K. C. Cole, former senior editor at Discover magazine, now at the Los Angeles Times; physician and Caltech vice provost David Goodstein, creator of the PBS series The Mechanical Universe; and KPCC-FM news and program director host of the nightly interview show AirTalk, which once a month devotes a show to research being done at Caltech.

Also participating as panelists are J. Markal Nish, science correspondent for Time magazine; physicist Art Ullene, chair of the USC Norris Cancer Center board of trustees; and a regular contributor to NBC's Today show; and Jonathan Ward, a producer of several TV series for the Discovery Channel and CBS News, including The Corbin Report and Understanding Science. According to Director of Media Relations Max Benouden, "the symposium will provide a lively forum for journalists, scientists, and members of the Caltech/JPL community to make the outcome and its implications gap between reporters and the public. With the rapidly changing electronic news environment and the proliferation of media outlets, this is a perfect time to convene this assembly of experts."

"It's important that Manute." adds Benouden, "is an authority on the critical relationship between animal

Citations Dismissed

On the morning of February 19, a parking control officer from the City of Pasadena issued parking citations on Caltech property. The citations were issued between 5 am and 5:30 am. The violations cited were for No Parking Anytime or Overnight Parking. The City of Pasadena has decided that these citations will be dismissed.

On the afternoon of the City from February 19 for parking on San Pasqual, west of Hill, or for parking on Holliston (from Del Mar south to San Pasqual), it needs to be returned to the City for dismissal. Arrangements for the return can be made by calling 577-3555.

ASCIT Notices

ASCIT Budget Meeting

The ASCIT Club Budget Meeting is set for Saturday, April 15 starting at 10AM. All club requesting money must submit a budget proposal by Wednesday, April 12 at noon to the ASCIT mail box in the SAC copier room. Budget proposal forms are available in the copier room.

Athletic Manager Reelection

Due to the resignation of the current ASCIT Ath Man, ASCIT will hold a special election for the new ASCIT Ath Man. Signups for the position will be placed outside Winnett Lounge on Friday, April 7th alongside all of the signs for HPC appointed offices. Signups will come down Friday the 14th at 5:00 PM, and the election will be held on Monday the 17th. If you have any questions, please ask David Reyea, reyea@caltech.edu or x1320. Thanks.

ASCIT Donuts Update

ASCIT Donuts are now ASCIT/DRL Donuts. The donuts will be held in front of the Residence Life Office at 8:00 AM Friday mornings. This move is to encourage students to interact and will free up some needed money in the ASCIT budget. So stop by and grab a donut. It is still strawberry season and we should have milk, coffee, and juice as well. See you there!

The California Tech are coming

Volume XCVI, Number 21
Passadena, California
Friday, April 7, 1995

Freshmen on Grades?

by Jon McDunn

At the next Faculty Board Meeting, Monday, April 10, there will be a vote on the proposal to begin assigning letter grades in the third term of the freshmen year. The proposal, if adopted, would take effect for next year's freshmen class (1995-96). It is a proposal that has been discussed on many faculty committees for at least the last four years. This is not to say that students have been left out of the discussion. On the contrary, student representatives are well-represented on many of the committees that have discussed this proposal.

Earlier this year ASCIT distributed a survey to find out how the undergraduates as a whole felt about this issue. Out of 221 respondents (or about 23% of the student body), 50% were opposed to the change, 38% favored it and 12% either had no opinion or felt ill-informed to make a decision.

The following table has the data organized by major:

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From the data, it appears that the undergraduate body is split on this issue. Based on the discussion at the March Faculty Board meeting, the faculty also have a wide range of opinion. When the decision is made, the outcome and its implications will be mentioned in The Tech.
SOMETHING DIFFERENT AT CALTECH

Chanticleer
Friday, April 7, 1995 / 8 Pm
Beckman Auditorium

Students and Faculty

$25.00 -- 22.00 -- 19.00

Written by: Jeff Goldsmith

ATTENTION: FINANCIAL AID RECIPIENTS

To ensure that we have sufficient funds to meet your full needs for this academic year, we have established a deadline to adjust your Caltech financial aid for 1994-95.

If you wish to:

• request a Federal Direct Stafford or PLUS loan
• request any other type of adjustment to your 1994-95 award

we strongly encourage you to request a revision by May 1 at 5:00 p.m. All required forms should be made in writing and submitted to the Financial Aid Office (mail code 12-63) by this date.

Please contact the Financial Aid Office before May 1 if you have any questions.

Thank you for your cooperation.

Dear California Tech:

Thank you Rahul, thank you David, at last, a letter about Feynman I could read without pulling my blood pressure through the roof. As one who worked for Prof. Feynman for over sixty years, I would like noted that he was always a gentleman to me, that it was fun to have him around the 4th floor in Lauritzen, that faculty, the fortunate students, and staff would agree, and that he is truly missed as just a person. He was always generous with his time for anyone who needed his help or wanted to pick his brain.

Perhaps the people who are branding him a Neandertal would have benefited greatly from some contact with him (FYI—he was truly great to his Mother); some of his humorless people that have written about him, may I point out that the good far outweighed the bad, and I wish they live absolutely perfect lives.

Helen Tuck
Secretary
Theoretical Physics

Poisoned Without Warning

Not enough information is being released concerning the spraying of the foliage on campus. Students on campus are unaware of the contents of the spray, and that is a rather unhealthy situation. We are informed on bulletins from the physical plant that we should keep our windows closed because of the spraying. These bulletins should contain information on both the toxicity and constitution of the spray. There is obviously some fear of toxicity, at students are informed that they should close their windows.

There are also other, equally serious, problems with campus spraying. Many students go home during winter and spring vacations. I happened to be on campus a week before yesterday (since I live nearby and had business to which I had to attend) and noticed a bulletin concerning spraying that was dated March 22nd. It stated that the salt trees on campus would be sprayed on Saturday, April 1st, from 6:30 am to 1:30 pm. I was going to return during that time until I saw this notice.

People who must return to Caltech by plane, however, would be unlikely to be aware of such spraying. They could therefore arrive during the spraying and have to breathe some of this potentially toxic material. It is possible that the physical plant was assuming that nobody would arrive before Sunday, but that is not a realistic assumption. If there is to be spraying during vacation, it is imperative that the student body be informed of it before vacation begins so that everybody will have sufficient warning to deal with the problem as they see fit. Furthermore, the contents of the spray should be released with each of these bulletins. All relevant information should be released in order to keep the Caltech student body properly informed.

Mason Porter

From your Friendly Tech Editors

It's finally finished! This paper is the first California Tech under the new administration! We're making some changes in the way we request articles along with some other changes, but you won't see these fully implemented for another couple of weeks. In the meantime, keep the submissions rolling.

If you have an idea for a new column, or would like to write anything at all, please email edboard@tech. Remember, it's not too late to sign up for 3 units of pass/fail credit by taking PA 15.

The California Tech

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Printed on recycled paper. The California Tech is an equal opportunity employer and does not discriminate on the basis of sex.

Vol. XXVI, No. 21

Address: California Institute of Technology

The California Tech is the student newspaper of California Institute of Technology. The California Tech is distributed to all students, faculty, and staff. All articles and opinions are the author's own and do not necessarily reflect the opinions of the California Tech. All information is subject to change and is not guaranteed.

Letters to the Editor: 9-5, Monday-Friday

Turk: Ross Brown

CoflilCUl5UTOffil$

Ringbo Reuben

David Relyea

Robert Dery

Saurabh Saha

David Helfand

David V. Feller

Jeff Calhoun

Kevin Micklus

Steven Young

Sherry Fialkoff

Samantha Foster

Mason Porter

CoflilCUl5UTOffil$
Save the D!

by Ken Walsh, ASCIT Director of Academic Affairs

Among the recent flurry of proposed changes to the grading system here at Caltech, a proposal to eliminate the grade of "D" has arisen. The arguments in favor of this proposal are, for the most part, circular and non-sensical. I feared, however, that I was not able to properly interpret the political science mumbo-jumbo associated with the proposal and that it really did make sense. To ease my mind, I talked to a friend who is a political science major and he said that while it clearly did have the appearance of political science speak, it certainly did not make sense. This matter goes before the faculty board this Monday so after reading this editorial I encourage to talk to any faculty or members of the board to let them know your views wherever you may be. In this editorial, I will attempt to explain and debunk most of the arguments presented in favor of this proposal and offer an alternative to this. Let's try addressing the concerns of all parties involved. Let's try answering some simple questions first.

Q. Where in the world did this idea come from?
A. As in most bureaucracies it came as the result of other proposed changes to the grading policy; namely those regarding how students and professors may designate courses as pass/fail.

Q. Wait, what does a proposal about pass/fail courses have to do with the "D" grade?
A. O.K., so here is actually an almost logical argument to this one. This is a result of a proposal to require that professors who wish to offer courses as "letter grades only" to receive approval from the Curriculum Committee. You see, there is an upward trend in the number of courses that are going to the "grades only" option. In 1984 it was 19%, in 1991 it was 25%, and this year it is 31%. This is most obviously an "n-person prisoner's dilemma" situation and it has to be stopped.

Q. Golly, at that rate by the year 2003 over 31% of courses will be "grades only". I guess you mean, the something must be done. So how is the Curriculum Committee that is composed mainly of professors that the "n-person prisoner's dilemma" prediction are all dying to make their classes' "grades only" going to stop this?
A. Don't worry about that.

Q. O.K., sure, whatever. So anyway, what does this have to do with eliminating the "D"?
A. Well, you see, we dustlessly force all these professors to make their courses open to pass/fail when they don't want them to be to have them appease them with a compromise. As you know there is often a tendency for students who are taking a course pass/fail to attempt to just barely squeak by with a "D" and many professors quite justifiably don't have students in their classes who are trying to just get 9's of "P" instead of learning something.

Q. Well I think you are right there. I took a class in which the professor had a clever solution to this problem. If you were on grades your final grade was the average of all the parts of the class and of you were taking it pass/fail you had to pass each part of the course individually to get a "P". I know of some other professors who simply set a slightly harder standard for getting a "P" as opposed to a "D". That way, people who are honestly trying, getting most of the material, and showing up for class GPA's in it is worse while a lazy person on pass/fail will get his just deserved. So why can't the professors do this?
A. Oh, I forgot, this proposal also includes a clause that makes whether a student is on pass/fail or grades invisible to the professor. The professor will no longer be able to grade people who are on grades and people who are on pass/fail by different standards. Naturally the administration and the registrar's office know how to grade students better than the highly trained faculty we have here at Caltech.

Q. Hey, I get it! We want to reduce "grades only" classes and make the pass/fail option invisible to professors (even though they have to sign and approve our pass/fail card) but if we do that then all the pass/fail people will free load and the fact that the grade of "D" is equivalent to a "P" so we have to eliminate the "D". So what happens to the people who are on grades and would have gotten a "D"?
A. Oh, well, you see, they would probably get a "C-" instead. Isn't that nice?

Q. But I think that pass/fail and graded students would be indistinguishable and graded on the same standard so wouldn't all the pass/fail "D's" freshmen get a "C-" instead and still pass? Or we could change all the "D"s into "F"s so that some poor biologist who barely makes it through Physics 22B will fail and never graduate.
A. Ummm... No. You see, it's a lot like the McDonald's puts the warm hamburger on one side of the package and the cold toppings on the other side of the package so that the hot side stays hot and the cold side stays cold. Then while they're waiting for customers they put the entire package under heat lamps and... Ummm...

Q. So getting back to this political science stuff, by eliminating the "D" we take our 5 bin grading system and make it into a 4 bin grading system. I thought political science prediction that more n-bin systems will work identically if they have a similar number of bins regardless of what we call the bins.
A. Well, this isn't exactly political science, you know.

Q. Then what about the n-person prisoner's dilemma?
A. Well, that part of the problem is political science and this part isn't.
Q. Why not?
A. Isn't it obvious?

Q. Yes, something is very obvious here, but it isn't that. Anyway, so regardless of whether "D" becomes "F" or "C-" it is going to appear to the outside world that we are inflating grades! I mean really, we already have enough trouble that students have trouble getting into the traditional universities and the acceptence of their GPAs even though they are often more qualified than other applicants. Fortunately, a few schools will give us a break and realize that it's hard to get a good GPA here. Won't this apparent (whether it ends up real or not) political science stuff jeopardize that? Not to mention, who the heck are we trying to be, Stanford? My fellow students, a number of faculty, and I often have a jolly old time laughing about the Stanford grading policy.

A. You should learn to laugh at yourself. It's good for you. Besides, don't get so worked up, as less than two percent of grades awarded are "D"s.

Q. I wonder what the percent of "A's" vs. "S"? Maybe we should eliminate those too. Look, if you really must tie the professors' hands when it comes to having say in who passes and who doesn't in a pass/fail situation and you think people on pass/fail are free loading on the "D" why don't you just simply change the requirements for passing a pass/fail course to getting above a "C-" or a "C" or whatever grade you think is appropriate. That way hard working students on grades in core classes who just have trouble with the subject can still get their "D's" that they earned and graduate. Leave the poor little "D" alone. After all, if it's only two percent of the grades why are you getting so upset over it.

A. Look, doing that might require originality and thought. We don't want any of that here at Caltech. Simple, binary, thoughtless choices are much easier. This whole matter is causing problems and I'm sick of dealing with it. Let's just eliminate the "D" and we won't have any more problems... until the "C-" becomes the next "D" and then we'll elimi­ nate that. It's much easier to just eliminate the problem than deal with it.

Q. I am having some problems with a few of the new policies and proposals coming out of the administration and the board. Can I just eliminate them?
A. No, that would be silly.

In any case, it is quite apparent that this matter needs a lot more thought. I urge the Faculty Board to at the very least table topic this for further discussion or else modify it radically so that it makes some sense. I hope that we will be meeting in person to make this request. Until then, I would encourage all stu­ dents to consider how this might af­ fect them and to present their views to a trusted member of the faculty, or even better, a member of the Faculty Board. I invite any comments or ideas from the students, faculty, administration, and staff. Please send any comment you have, even if just a few lines, to walsh@ugcs.

NOTE: The above discussion is not meant to represent any real person. It is simply a compilation of a number of discussions, arguments, and even a few as your unexpressed sentiments that have come up in various meetings, documents, and informal discussions between faculty, admin­ istration, student leaders, and mem­ bers of the student body in general.

There are additional opinion articles on the following page.

ASCIT FRIDAY NIGHT MOVIE
Robin Williams
Good Morning, Vietnam

BAXTER LECTURE HALL
7:30 & 10:00 P.M.
$1.50 for ASCIT members
$2.00 for others

Next Week

Speechless

LAEMMLE THEATRES

ESQUIRE
2670 E. Colorado Blvd.
709-9759

COLORADO
2558 E. Colorado Blvd.
708-9759

Golden Globe Winner

Bar Girl

Farinelli

Paris NON-STOP $205

London $259
Frankfurt $259
Amsterdam $275
Tokyo $259
New York $419

London $259
Frankfurt $259
Amsterdam $275
Tokyo $259
New York $419

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Council Travel

91051 Lindbergh Drive
Coral Gables, FL 33159
305-444-3511,800-351-5777

Eurailpasses issued through
Eurailpass

1991-96 MERIT AWARDS

Each year, the Faculty Committee on Scholarships and Financial Aid grants a number of Merit Awards to the most academically talented of the Institute's sophomores, juniors, and, occasionally, freshmen. Merit Awards are based on outstanding scholastic achievement as demonstrated by exceptional performance in formal classes and or independent research, and not on financial need. Last year, the Committee recommended a total of 48 Merit Awards. Awards ranged from $6,000 to full tuition—$16,695. The level of awards in any year is determined by the number and caliber of the applicants.

Applications are available in the Financial Aid Office (515 S. Wilson Ave.)

Deadline for submitting COMPLETED applications
APRIL 28, 1995 5:00 P.M.
GRADS CHECK IT OUT!

Don’t Miss Your Last Chance This Term to Have a Job Interview on Campus.

Recurring Is Taking Place April 10-20th.

Come In and Sign-Up Now!

Career Development Center, 08 Parsons-Gates, x6361

by Tapher Hunter

Good morning, Caltech! Well, afternoon, whatever. Welcome back for yet another fun-filled term. We’ve got thrills, chills, and unpaid bills, so let’s have some fun this term! Today, at noon, there will be a concert by the Seed Woodwind Quintet in front of Wm. N. Catcher Center. Drop by and enjoy lunch in the sun.

Next week, on April 14th, the Y will be sponsoring an Easter Egg Hunt. Eggs will be hidden all over campus, with candy and prizes (including movie passes) inside. Details will be forthcoming, so keep your eyes peeled (a disgusting image, isn’t it?) for those fluorescent eggs.

Well, that’s all for now, folks. Remember, the Y Student Government meets every Monday at 12:00 in the Y Lounge. If you have an interest in volunteer work (both for work-study and plain volunteering), have an idea about something that the Y could do for campus, or are just curious, drop by and find out just how rewarding the Y can be.
"...AND THROUGH THE DINO, THERE WAS HEARD THIS SOUNO, UNLIKE ANY
OTHER ON EARTH. IT WAS A SOUND BEYOND MUSE, BEYOND MUSIC, BEYOND GOOD,
BEYOND BEAUTY, BEYOND ART, BEYOND HEARING, AND THE GROUND
TRIUMPHED, AND THE CLOUDS DRUCK, AND THE SLUM NEWS LEAGUE FROM
UNDER THEIR MISS BLANKET AND BATHED, AND THE SUN TURNED A PEDO
LAWN SHAVED OF PUS, AND THE SUN TURNED TO SHAPE JESUS, AND THE STOCK
MUSKET CLOSED, AND THE WIND IN THE GINNAH STOPPED MUNCHING ON
MUD AND STARTED MUNCHING ON CHOCOLATE PULPING, AND THE SHARKS IN
THE OCEAN BECAME VEGAN, AND THE COMPUTERS ALL RAN A LITTLE FASTER FOR
THAT DAY, AND THEN, COMING FROM THE EAT CAME THE VOICE OF REASON.
"YOU ARE THE CHASTEN ONES, YOU ARE THE TWO WHO HAVE BEEN
GIVEN THE GIFT BEYOND ALL EARTLY GIFTS. DO AS I BID AND YE SHALL BE
HAPPY. TUNE YOUR RADIUS TO 59.1 AND LISTEN THEREFIRST, AND YOU SHALL
HEAR THIS DIVINE SOUNO. SO FORTH NOW, MY CHILDREN, AND USE MY
GIFT WISELY.
"AND WITH THAT, THE VOICE LEFT THE PEOPLE WITH THEIR GIFT, AND THE
PEOPLE WERE HAPPY."

99.1 SKURV RADIO:
IT'S NOT JUST FOR STATIC ANYMORE!

GUITAR CLASSES AT CALTECH

CIT Guitar Classes for the spring quarter will meet on
Tuesdays starting on April 11 in Room 1 of the Student Ac-
tivities Center (SAC) as follows:

Beginning Guitar Class
4:30 - 5:30 P.M.

Intermediate Guitar Class
3:00 - 4:00 P.M.

Advanced Guitar Class
5:30 - 6:30 P.M.

Classical and Flamenco repertoires are explored but techniques
can be transferred to other styles of guitar. The beginning
class includes a jazz/folk chord system. Classes are free to
Caltech students and other members of the Caltech com-
nunity (space permitting). Undergraduates can receive 3 units
of credit if they choose. Private instruction on any level can
also be arranged. The instructor, Classical Guitarist Darryl
Denning has an international background in performance,
teaching and recording and can be reached at (213) 465-0881.

by Mark Nelson

I open the window so I can listen to the falling raindrops
laugh at me and my years of wasted ambition.
arbitrariness, confinement...
Alice Cooper sings "I'm Eighteen",
but neither of us is close to that age anymore.
They come and go without acknowledging my existence.
They left and upon their return two hours later I was still
sitting in the same chair staring aimlessly at the spokes of the bicycle.

The rain stops and I miss its
COMMENTS.
for I seemingly have no other friend.
I waste all my time mulling about past mistakes...
If only I'd told her this or that!!!
the cynical tries not to care...
"Why ask Why? Drink Bud Dry."
but that slogan annoys the hell out of me.
I insulate myself from further suffering by my solitude,
but then I accentuate that which has already occurred.
If I had a TV I could stare at it instead of the walls...
The silence makes me
FEEL ME...

If you're at home I can tell you...
GREAT!
I made these
\subliminal encoded 3-D dot patterns...

I GUESS I DONT HAVE TO ASK HOW
YOURS WENT.
I GUESS I DONT HAVE TO ASK HOW
YOUR MOTHER'S SHOULDN'T BE
ASKING ME ABOUT COOKIES.

OF COURSE, IT WOULD HELP IF YOU COULD READ...
Biologists Find that Neurotrophic Factors Can Affect Synapses in Adult Rat Brains

from Jay Aller

Caltech biologists have found that certain proteins in the adult rat brain can strongly enhance the strength of connections between neurons for up to an hour, an effect never before demonstrated in adult brains. This potent, long-lasting physical effect suggests to the scientists that it may play a role in the formation of memories. The study will appear in the March 17 issue of Science.

The proteins, called BDNF and NT-3, short for brain-derived neurotrophic factors, named for their role in nourishing nerve cells during an animal's early development, keep nerve cells healthy in the adult brain.

Neurotrophic factors are a sub­ject of intense interest right now because of their ability to stimulate damaged neurons to re-grow their connections both in a test tube and in animal models. Thus, they present the possibility for reversing such devastating brain disorders as Alzheimer's disease, Parkinson's disease, and Lou Gehrig's disease.

Caltech SEDS to Experiment in Space

Due to some last-minute changes in the March 10 Caltech Tech, the following article was accidentally left off. The editor regrets any confusion.

by Ben McCall

Members of the Caltech Students for the Exploration and Development of Space (SEDS) have been working for over three years on the development of a Space Shuttle experiment to study gamma-ray bursts. This July 20th, their efforts will be paid off as they watch the Space Shuttle Endeavour carry their experiment into low earth orbit. Their experiment is called GAMCIT (Gamma-ray Astrophysics Mission at GIT).

The experiment, originally conceived in conjunction with Dr. John Grunsfeld (formerly a Senior Research Fellow at Caltech, recently aboard Endeavour), consists of a gamma-ray detector, an X-ray detector, and a Nikon F4s camera. While the Shuttle is in orbit, GAMCIT will monitor the gamma-ray background, looking for gamma-ray bursts. When a burst is detected, GAMCIT will store spectral and temporal data from 2 keV to 2 MeV and will trigger the Nikon camera to take pictures in search of an optical flash. If an optical flash is seen (this will be the first simultaneous search for gamma-ray bursts and optical flashes), GAMCIT will take a major step towards solving the gamma-ray burst mystery, which has eluded astrophysicists for a quarter century.

GAMCIT is in the final construction stages, and must be delivered to NASA by April 24th. SEDS is currently looking for qualified machines who can help make some of GAMCIT's structural components. If you are interested and available during finals or spring break, please contact Ben McCall at sc2902@caltech.edu.
DILBERT® by Scott Adams

I PROMISE THAT IF I DECIDE TO BUY YOUR COMPANY I'LL GLADLY RECOMMEND A POSITION FOR EACH OF YOU.

MY CONSULTANT WILL AUDIT YOUR COMPANY TO MAKE SURE THERE ARE NO SURPRISES BEFORE I BUY IT.

I USE HIM BECAUSE HE'S SEEN SUCH HIDEOUS THINGS THAT NOTHING SCARES HIM.

I PROMISE THAT IF I DECIDE TO BUY YOUR COMPANY I'LL GLADLY RECOMMEND A POSITION FOR EACH OF YOU.

YOUR STOCK WAS $30 PER SHARE WHEN I OFFERED TO BUY THE COMPANY, BUT THANKS TO SOME TINY LEFTOVERS IN THE MEDIA YOUR VALUE HAS PLUNGED.

OH, YES, IF YOU SELL RIGHT NOW I'LL PAY THE FULL $30 FOR YOUR STOCK. I RECOMMEND YOU DO IT.

AS NEW OWNER OF THIS COMPANY I HEREBY BAN ALL MEETINGS OVER ONE HOUR. THE DRESS CODE IS CASUAL. STATUS REPORTS ARE OPTIONAL!

THE RUMORS ARE DESTROYING OUR PRODUCTIVITY. WE CAN'T WORK WITH ALL THIS UNCERTAINTY.

I PLAN TO BUY PROVEN TECHNOLOGY AND HIRE CONTRACT EMPLOYEES. YOU'LL BE GHOSTS FOR THE CONTRACTORS UNTIL YOU RESIGN IN DISGUST AND HUMILIATION.

I HAVE A NEW DIRECTOR OF HUMAN RESOURCES TO HANDLE THE DOWNSIZING.

I NEEDED SOMEBODY WHO ACTS LIKE A FRIEND BUT SECRETLY DELIGHTS IN THE MISERY OF ALL.

WE NEED TO TALK, PAUL, BUT FIRST I'M GOING TO BAT YOUR HEAD AROUND AND SCRATCH YOU.

HEE HEE!! THAT'S SO CUTE!

188 MEDIA GUY, page 9
The Best Way To Save Money On Stuff (Other Than Borrowing Your Roommate's.)

Roommates tend to get weird when you borrow their stuff. (They're funny like that.) Better to get yourself a MasterCard® card. Then you could use it to buy the things you really want.

And with these College MasterValues® coupons, you'll save up to 40%. And until you get your own place, it's the smartest thing you can do. Roommates are weird enough as it is. MasterCard. It's more than a credit card. It's smart money.
This logic puzzle was generated in part by a computer shareware game called Sherlock, written by Everett Kaste. I strongly urge all of you who like this sort of puzzle to get the game and register it. Finger @tech for more details. I added the storyline singer.

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Caltech Volleyball Team 4-2 Over Spring Break

by Rich Chin

The Caltech Men's Volleyball Club team started their month of March as its schedule included six matches over the period of three weeks. On March 7, the team traveled to Claremont McKenna to meet its volleyball squad and returned triumphant. From the previous meeting between the two at the Pomona tournament, Caltech knew exactly how to shut down the Claremont offense, and proceeded to do just that. With strong contributions from all members of the team, the match was quickly as Caltech dispatched its opponents in straight sets.

On the 10th, Caltech played host to Cal Poly Pomona. This match turned out to be a five-game thriller lasting two hours and fifty minutes. Caltech started slowly in the first game, giving CPP a 9-3 lead. After a time-out to regroup and re-focus, Caltech came back with smart serving, good blocking, and a scrappy defense to score 12 unanswered points and win it, 15-9. However, CPP showed its mettle in games two and three, as both were intense defensive battles which went 15-13, 15-11. Caltech found its rhythm in game four with the unstopable Andreas Masuhr. Coach Aaron Kiely later said, “I don’t know how to stop (Masuhr)’ attack. Fortunately, neither do our opponents.” Not that they didn’t try. CPP re-arranged their front line to stack their best blockers against him, and even tried benching, their best passer just to put up a taller blocker. Nothing helped as Masuhr racked up kill after kill and led Caltech to a 15-4 blowout of the fourth game. The fifth game was another seesaw battle, but with Masuhr still hot and the team determined to win, Caltech was able to pull ahead to win, 15-12.

On Monday the 13th, Caltech went to UC Riverside. Personnel problems presented a challenge for the team, as it had to play without three of its starters, reducing the average height by more than two inches. However, inconsistency and poor ball control proved to be much more of a factor as Caltech took an ugly loss, 16-14, 15-8, 7-15. Meanwhile, San Antonio Junior College again invited the Caltech squad out for a challenge on the 15th. This time, instead of playing their club team, Caltech was to play their varsity squad. Although the faces were different and the hitting was harder, the results were the same. Outside hitter Andy Berkin continued to demonstrate his command of the finesse game as he tooled the block without mercy. Masuhr presented a different technique, going over the block for several kills. Jack Prater showed yet another philosophy: swing hard no matter what. Ken Wiberg and Stuart Demack put up imposing blocks in the middle, and defensive specialist Rich Chin again showed his mastery of the serve, picking apart Mount SAC’s passing game. The contrast between the brash Mount SAC team and the focused Caltech team was perhaps best displayed during a rally in the third game: Mount SAC’s middle hitter faked a quick hit, drawing two Caltech blockers and eliciting laughter from the Mount SAC back row as they anticipated a kill by the second attacker. But the play isn’t over until the ball hits the ground, and it soon did so with Mark Loergan stuffing the Mount SAC hitter for a point, giving Caltech the last laugh. Caltech won in four sets, 15-9, 15-7, 15-12, 15-9.

Caltech did not play a match again until a week later, on the 22nd, at Occidental College. University of Pacific star hitter Masuhr and setter Chad Edwards, and plagued by recurring injuries, the team lost an ugly match in four games, 11-15, 15-11, 7-15, 7-15. Loergan was a bright spot, hitting well from both the front and back rows. Brendan McNeely also came alive, racking up his kill count. However, a sluggish defense and the inability to establish a good passing rhythm spelled doom for the Caltech squad. Finally, on Friday the 24th, Caltech hosted Pomona-Pitzer in a re-match of Caltech’s season opener. Averaging in close loss from that match, Caltech won in an equally tight five-game match, 15-12, 5-15, 13-15, 21-19, 15-8. Loergan continued to dominate at the net, and was an unstoppable weapon in the Caltech offense. The team improved dramatically from Wednesday’s loss, allowing Edwards to pick and choose between his hitting options. Perkel and Chin helped score points in bursts as their serves danced through the air, catching the Pomona passers off-guard. But it was Caltech’s focused command that allowed it to triumph in the grueling fourth game and demorilize the Pomona squad into giving up a crucial first-set advantage in the fifth to Perkel’s serve.

This Friday, Caltech plays PAC at PCC. It is sure to be a fast-paced, hard-hitting, action-packed match as Caltech is out to avenge its early-season loss. Come out and support the team at its last match near home!
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April 7, 1995

The California Tech
The Beckman Institute will be available for the summer of 1995. The internship, revised for 1995, is intended to attract students from underrepresented groups and to provide an intense research opportunity. It is open to undergraduate students and recent graduates of all fields. Interested students must submit a research proposal describing their research interests and plans, along with a statement of their background and goals.

Fellowships and Scholarships

The Financial Aid Office has applications and information on the following fellowships and scholarships:

- All graduates are encouraged to apply!
- The Beckman Institute Office, 313 S. Wilson, 2nd floor, 626-398-4081.

The Student Services Center is also holding information on the following:

- The Beckman Institute: 313 S. Wilson, 2nd floor, 626-398-4081.
- The Beckman Institute Office: 313 S. Wilson, 2nd floor, 626-398-4081.

The Beckman Institute is pleased to announce that the 1995 Summer Internship Program will be held from May 15 through June 16. The program is designed to provide an intense research opportunity for undergraduate students and recent graduates of all fields. Interested students must submit a letter of application including:

- A brief statement of their research interests and plans for the summer of 1995.
- A description of their background and goals.

Applications are due by May 15, 1995. For more information, please contact the Beckman Institute Office at 313 S. Wilson, 2nd floor, 626-398-4081.

The Beckman Institute Office is located in the Beckman Institute Center at 313 S. Wilson, 2nd floor, 626-398-4081. The office is open Monday through Friday from 9:00 a.m. to 5:00 p.m.

The Beckman Institute offers free housing and a stipend to all interns. Housing is provided in the Beckman Institute Center, and the stipend is $3,000. Applicants are responsible for their own transportation to and from the Institute.

The Beckman Institute encourages applications from students of all disciplines, including those from underrepresented groups. The program is open to all students, regardless of citizenship status or country of origin. The Institute welcomes applications from students of all races, ethnicities, and backgrounds. Applications are due by May 15, 1995. For more information, please contact the Beckman Institute Office at 313 S. Wilson, 2nd floor, 626-398-4081.

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