Flaws Claimed in EMF Studies

from Public Events

PASADENA—Hundreds of scientific studies on the biological effects of electromagnetic fields may be invalid, researchers suggest in a letter to be published in the March 9 issue of the journal Nature. Controls have been inadequate to prevent contamination by stray particles in most lab studies done in this field, which includes millions of dollars of federally funded research.

The effects of magnetic contamination could explain some of the cellular changes that have been attributed to electromagnetic exposure, according to scientists at Oregon State University and the California Institute of Technology. The findings of their research do not mean such electromagnetic fields, or EMFs, are either safe or unsafe, the scientists say, and the research has little relevance to human epidemiological studies on the effects of EMFs.

But it does indicate that lab research—about half of a five-year, $65 million federal program on possible biological effects of EMFs—may be of questionable scientific value, said Michael Nesson, a research professor at Oregon State University Department of Biochemistry and Biophysics.

"We've been waving a red flag about what may be caused by supposedly biological effects from these electromagnetic fields," Nesson said. "It is important, because our studies question the usefulness of many or most of the published laboratory research on the biological impact of EMFs."

The letter says that "any high-powered lines, household appliances, cellular telephones, and other aspects of industrialized culture have undergone intense scrutiny in recent years. There is concern they may cause various health problems, including cancer.

The jury is still very much out, "the letter says.

ASCIT Minuses 3/6/95

Present: Jon, Dave, Tom, Laura, Kanna, Greg, Francis "Willie" Penn, Melissa, Kevin, Ken, James, and Jenny.

Immediate Business: Kanna gives thanks to Fleming and Blacker for hosting lunch. Francis and Jenny leave.

We discuss sources of funding for ASCIT donors. James says, "People from off campus don't usually walk five blocks for donuts." James, you're surprised.

Ken has a question of pamphlets for their mention in the Y.

We approve the salary of the Tech troubleshooter. The move is to give checks to Ken.

We discuss the salary of the Tech communications person. We discover that the Tech communications person does not mean check signing.

Laura borrowed a phone from the ASCIT office. James got his payphone.

Laura talked to Gina Armas—we want to terminate the lease on the old copier because it would be easier to hand copy anything than put in that copier. Except INSIDE WORLDS surface.

Laura borrowed a phone from the ASCIT office. James got his payphone.

Laura talked to Gina Armas—we want to terminate the lease on the old copier because it would be easier to hand copy anything than put in that copier. Except INSIDE WORLDS surface.

Laura borrowed a phone from the ASCIT office. James got his payphone. And as a Senatorial

Truth of Senate Bill S.314

by Royden Jones

No doubt many of you have heard recently of "Senate Bill S.314," also known as Title IX of the Civil Rights Act of 1995. Of course, you would think it's the most important piece of civil rights legislation ever (this last part is true, the bill is really that important).

The bill would give checks to Ken Walsh, the ASCIT communications person. We discovered that the Tech communications person does not mean check signing.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.

Greg's recommendation is Doubletine on the 12th. Later (post-meeting) we discovered that the Doubletine was already booked for $150.
Letters to the Editor

More Feynman Reactions

Dear California Tech

Let us settle this issue once and for all. The virture of inde­
dependence applies to purpose and to method. Are a man’s goals de­
dined, fundamentally, in relation to others? Are the means by which he carries them out?

The attempt to determine for oneself what are values and what are not by a process of in­
ter-personal osmosis betrays an abject dependence on he who made these identifications afer. This is dependence in regard to purpose.

The attempt to gain values by force or fraud—e.g., to pre­
sume to dispose of what is not one’s own—betrays an abject de­
dpendence on he who did actu­
dly produce these values. This is dependence in regard to method.

Whatever trace of this latter form Feynman did possess, it was negligible, even nonexistent in the full context of his character and social environment. Con­
demning him for this is akin to cursing a diamond found in the coal mine for an imperfect lus­
ter. But Feynman is not being condemned for whatever modi­
cum of dependence he may have had. He is being condemned, as conveyed in my original and un­
answered statement, for exactly the opposite—his intransient independence, his refusal “to seek a sanction outside his own

Let his detractors name this as the true object of their anta­
thy, or let them see how petty are those who would otherwise name. At least let them cease the

egalitarian bromides. (The reader will observe that baro­

logical platitude is the sine qua­
on of the baselessly baseless—not the baselessly base.)

Eric Dennis

Dear California Tech

Why Feynman is ‘Worshipped’

After reading Mitra Hart­

mann’s article of Feb. 17th and the spate of succeeding pieces, we want to offer a balanced defense of Feynman. We also want to ex­
press some ideas which we hope will clarify the debate.

We will begin by trying to answer a question raised by Ms. Hart­
namm, “Why does the culture of science worship such a mal­
formed and malevolent personality. . . . What is the appeal?”

Most people don’t worship Feynman’s personality, they are merely entertained by it. The physics community has a tre­

dendous respect and admiration for Feynman because of his out­

standing and brilliant work, his originality, his ability to inspire, his phenomenal clarity in teach­
ing, his irreverence for the status quo, his deep desire to under­

stand, his ability to penetrate to the root of things, his creativity and enthusiasm, his infectious love for solving problems, his mastery of all of physics... in short for his genius. There are some individu­

als who are so mesmerized by these aspects of Feynman that they ac­
tually think his insensitivity, his misogyny, his obnoxious behavior towards individuals, and his

egoism are also acceptable or even admirable. We’re sure that such individuals do exist, but we have not met many of them and do not think that they represent the majority.

There are also some indi­

viduals who are so repulsed by Feynman’s negative traits that they fail to see any greatness in the man at all. Ms. Hart­
namm, we think, tries to present a bal­

anced picture, but ends up paint­

ing a negative one. Feynman was a human being, warts and all, just like the rest of us. He had an outstanding peak in the di­

mension of physics and troughs in several other dimensions of life. Certainly, we should be aware of a person’s failings. How­

ever, we should not let this awareness shut us off from be­

ing inspired by their outstanding contributions.

Eric Dennis, in his reply to Ms. Hartmann, tried to convey to her that Feynman was moti­

vated more by fun and creativ­
ty, than by any malicious desire to humiliate people. This is true, although it is also true that he was motivated by the egotistical desire to be seen as the smartest guy around.

Aimee Smith’s article con­
tained some politically-correct statements with little informa­
tion content. One of the most outstanding had to have been, “Lastly, no matter how brilliant people on campus may believe Feynman to have been, we have no way of knowing that Mitra or anyone else here including staff aren’t just as, or perhaps even more, brilliant”. Obviously, there is plenty of talent at Caltech among students and staff. Nevertheless, geniuses, in any dimension of life, are not a dime a dozen as Ms. Smith ap­

ears to suggest. As for the rest of her criticisms of Feynman, it seems to us that she is going even further than Ms. Hart­

mann in throwing the baby out with the bath water.

Rahul Saropeshkar
David Keswely

Dear California Tech

I haven’t really followed all the aspects in the Feynman case (we already have one media cir­

cus going on in the LA court sys­
tem!), but I did read the one let­
ter concerning this on March 3 (John Lindal). It’s refreshing to see someone who could qualify as a cyberpunk but chooses to show some responsibility. I just can’t understand why some jerk would want to crash a complete infra­

ban just for the hell of it. And don’t give me this ‘expensive deletes’ about ‘because it’s there’. Christ, let someone bring down your telephone just when you start to feel excruciating chest pains and try to call 911. Those pa­

theic nimbuses may call them­selves hackers, cyberjockies, etc; but I have another name for people who paralyze the public arteries, concrete or electronic. I call them terrorists, and don’t even think of trying to convince me otherwise; I’ve been around the block too many times to have the wool pulled over my eyes. Furthermore, what goes around comes around, and I’m convinced that these malcon­
tents will get it back, be it laws­

uits, jail, or a good, well-de­

erved pummeling from a pissed off mail recipient. (Get the mes­

age?)

Oh, and about the inverted full glass on the flat table: That happened to me when I was a busboy during my college days 30 years ago. After receiving a few sharp warnings you can bet that customer never came back!

J. Alan Rosencen

Please send submissions for letters to the editor to The California Tech, Cal­
tech 40-58, Pasadena, CA 91125, or by electronic mail to editors@tech.caltech.edu. Deadline for submissions is Monday, 5pm on the week of publication. The editors reserve rights to defenestrate a let­
ter for any reason.
MISS SAIGON SHOWING AT LA MUSIC CENTER

by Krishna Gidwani

The Center Theatre Group is currently performing Cameron Mackintosh's Miss Saigon at The Music Center of Los Angeles County. After hearing so much talk about this play, I finally saw it last Thursday. For those of you who do not know anything about Miss Saigon, here's the plot.

The play begins in Saigon, a few years after the Vietnam War. In the first act, the action primarily takes place in a local strip bar, run by a pimp known as "The Engineer." Chris and his friend John are American GI's who frequent the bar. Chris is feeling especially depressed, so John sets him up with a seventeen year old peasant girl, who has just become a prostitute, in an effort to cheer him up. However, John does not anticipate that Chris will actually fall in love with the prostitute, Kim. This, of course, happens. Chris ends up marrying Kim in a Vietnamese wedding ceremony that he doesn't really understand. The sanctity of the wedding is disrupted by some rather lurid, known as Thuy, who was apparently promised Kim by her father. Kim, always on her toes, infact, psycho-boy that her parents are dead, so the promise no longer holds. Chris and Thuy pull out their guns, stare at each other for a while, and they run off swearing revenge. Just when things start to look good for our couple, the curtain goes up. The American raises Saigon, and naturally Kim and Chris are separated.

The next scene takes place in Miss SAIGON, page 12

ADAM VILLANI: MEDIA GUY

by Adam Villani

Various Awards Shows

Last week the Grammies, the People's Choice Awards, and the Academy of Motion Picture Arts and Sciences' own site by going to http://www.eiseis.org/ampac/.

The Madness of King George

When not done well, film adaptations of short stories tend to be drawn out and stuffed with filler, adaptations of epic novels tend to resemble Reader's Digest condensed versions of the originals, and adaptations of plays tend to be static and stagy. Strangely enough, screenwriter Alan Bennet has avoided most of the pitfalls associated with adaptations of plays and instead fallen prey to the problems associated with adaptations of long novels. Multiple Oscar-nominated The Madness of George III, though certainly not without merits, jumps episodically from scene to scene and location to location, never giving any of the players the time they need to reason. I've heard unconfirmed reports that the American distributor has edited much of the film's original British length, in addition to changing the title from The Madness of George III so that we wouldn't think we were missing the original and its first sequel. It's a shame, really. I'd like to see a longer version of the movie.

The story begins with our old enemy George III (Nigel Hawthorne) in the wake of losing the American colonies and prone to violent outbursts of impatience, obscurities, and brutality. Various Royal doctors try in vain to cure him while his bared son the Duke of York (Jeremy Irons) plots against him. Meanwhile, when the American colonies announce their independence, King George's reaction is the source of much of the film's humor and pathos.

WE'VE STUDIED THE JAPANESE MODEL AND DECIDED TO COPY THEIR BEST PRACTICES

LONG TERM INVESTING?

KARAOKE!

CAN YOU EXPLAIN WHY YOU'RE A WEEK BEHIND SCHEDULE?

YOUR POOR LEADERSHIP HAS DRAINED ME OF THE ENTHUSIASM THAT IS NECESSARY TO SUCCEED. BUT IT'S NOT COMPLETELY YOUR FAULT.

FA5T TINY STRUGGLE.

THANK GOD WE DON'T HAVE LIFETIME EMPLOYMENT

EVEN IF THEY WERE DRUNK

WHAT'S WRONG WITH THIS PICTURE?

IT'S EXCELLENT. I GET WHAT THE BIG GLAMOROUS THING IS.
COMPUTER SCIENCE SCHOLARSHIPS

Awarded to students in computer science, or to students in other options who are likely to choose a career in computer programming. Awards are made without regard to financial need.

JUNIORS: SCHOLARSHIP PROGRAM
$2500 Scholarship for Junior Year

SENIORS: SCHOLARSHIP PROGRAM
$5000 Scholarship for Senior Year
$2500 Scholarship for Senior Year

SENIORS: FELLOWSHIP PROGRAM
$6000 Summer Internship
$5000 Scholarship for Senior Year

Applications due TODAY!!!
RUN over to Financial Aid and fill out an application

Past Green Hills Scholars

Class of 1993
Bo Adler
Gregory Dudey
Dave Krider
Brady Montz
Jared Smith
Yair Zadik

Class of 1994
Siddhartha Agarwal
Wendy Belluomini
Peter Carlin
Andrew Lines

Class of 1995
Greg Davis
Svetlana Kryukova
Tom Zavisca

Class of 1996
Daniel Zimmerman
<Your Name Here>

Class of 1990
Vivian Chow
Ed Lee
Charlotte Manly
Dave Proctor

Class of 1991
Marc Abel
Wendell Hicken
Yun Fong Loh
Kevin Luster
Eric Newman

Class of 1992
Jim Hu
Jeff Jones
Ed Lew
Dong Lin
Jay Obermolte
Chris Rosen

Get a 10% discount by presenting your Caltech ID with this ad! (The Tech gives us a discount for including this statement)
Communications Bill
PREVENTING MORE ASCT MINUTES

CONTINUED FROM PAGE 1

Announcement of openings for the following positions

Counselor Positions
1. Head Counselor
2. Counselors

Teaching Positions
Math Instructor and TA/Grader
Physics Instructor and TA/Grader
Chemistry Instructor and TA/Grader

Program Dates
Sunday, August 6, 1995 through Saturday, September 16, 1995

Contact
Frank Vargas or Michelle Medley
Office for Minority Student Recruitment and Retention
287 South Hill, 2nd Floor (La Casa), 395-6208
call or visit for more information and an application

Application Deadline: March 20, 1995

Summer Bridge Positions 1995

Summer Employment in...
The Flies

Hunches numb, she sat with nose to knee.
The cheap light run trills of statinlankes
Along the thousand and one gold links from her nose,
Powdered and gently moist, to her ear.
She sat with nose to knee,
Was fed sweets by congratulating unseen hands.
He fed her too, a crumbling sandesh,
And missed at first, smudged her lipstick
(They laughed at this intimacy
Her mother all paan-stained smiled.)

They come like jewelled flies
Bedecked and winking glitter
In hair taut from coconut oil
Or crimped curled twisted curled
Hair they can sit on or hobbling at the chin.

She sat all-seeing eyes lowered kajol-heavy
Weighed down by his past her shame
(HER shame crowded among the heaped tables
Sweating fat from the cows they ate
Draining oily meat, licking curled lips
Her shame jangled bangles among the guests.)

My god Alisha affectionate
Jealous Wendy white whose
(What she will not do for him
All the dirty dirty acrobatics she will
Green eyes like a wolfwoman
Yellow Like banana)
Sungcetta like a switchblade
What looking for new customer
These shameless look at him
Alisha with big big eyes so starrly brown
What are they tears of, happiness
Does she remember the what frolicking
She comes in ruby and green
Their eyes like date-molasses
Runny like healthy diarrhoea
And he my god his past my shame
Doesn’t know where to look
What did he promise them
She does not need promises but gave and took his past my shame
And looks at him with softnesses
Come here I show you softness
In raw papaya thighs and ripe mango mound
You come like flies to half-eaten meat
And think me the weighty wasp

They come wrapped in winged sars
Lightly veined the curls tick hued cloth like oiled paper
They come painted dolls and dragon mothers
Huerried, surtied like jewelled flies
In hordes his whores to my wedding.

Shameel Aridin
December 1994

Kreative Korner Policy

Guidelines for Submissions

Submissions are generally creative works, such as narrative, fiction, drama, poetry, artwork, or photographs. Essayists are encouraged to submit to The California Tech.

1. All submissions must be in by the Tuesday preceding the issue in which the submission is to appear.
2. Submissions may not contain libels, material without consent of those being libeled. It is the responsibility of the author(s) to check on this fact. Suspicious submissions will not be printed.
3. Submissions may not contain vulgarities. The editor has judgment on what constitutes a vulgarity.
4. Submissions must be turned in by e-mail, Macintosh disk, or 3.5" high-density IBM compatible disk.
5. The author must be part of the Caltech/JPL community. Certain waivers for alumni, friends of the community, etc. may be made at the editor's discretion.
6. The editor reserves the right to edit, shorten, disallow any submission, or take exceptions to these rules.
1. Delrina WinComm PRO 1.1 is a:
   A. Hot new taco dip
   B. Hot new band
   C. Hot new communications software that makes going on-line easier than ever

2. With WinComm PRO you’ll be able to:
   A. Quickly access on-line service using predefined scripts for CompuServe, MCI Mail, GEnie and others
   B. Send and receive Internet e-mail using Delrina Internet Messenger™
   C. All of the above

3. When the prof gives you an assignment you:
   A. Panic
   B. Think to yourself ‘It’ll be easier the second time around.’
   C. Smile smugly because you have WinComm PRO 1.1, the perfect research tool that lets you access on-line information with the click of a button

4. Dylan is currently dating:
   A. Kelly
   B. Valerie
   C. Who cares, tell me more about WinComm PRO.

If you chose anything but “C” you’re missing the boat. When it comes to easy communications, nothing beats new Delrina WinComm™ PRO 1.1, the easiest way to go on-line.

And now featuring Delrina Internet Messenger™, you’ll be able to send, receive and manage Internet e-mail easier than ever. Best of all, you can get WinComm PRO alone or as part of the affordable Delrina Communications Suite™, which also includes Delrina WinFax™ PRO 4.0, the world’s best-selling fax software.

Get the edge you need to succeed.
Get Delrina WinComm PRO 1.1 today.

Visit your campus bookstore or see your local software dealer today!
Canadian Graduate Students Announce Support of US Graduate Student Aid submitted by Kevin Boyer

Chicago, Illinois ... The National Association of Graduate-Professional Students (NAGPS) announced today that the Canadian Graduate Council (CGC) had unanimously approved a resolution supporting NAGPS efforts to help graduate students financial aid from proposed cuts in the United States Congress. In a letter sent to Associate Director New Gingrich, Senate Majority Leader Robert Dole, and other key members of the U.S. Congress, the Canadian Graduate Council urged each "to work diligently to ensure that the interest exemption remains in place for students in the U.S. while they are in school." The student interest exemption has recently been mentioned as a likely target for budget cuts proposed in association with the Republican Contract with America. "The loss of the interest exemption would be devastating to graduate students," said NAGPS Executive Director Kevin Boyer. "The loss of the exemption would increase the debt owed by graduate student borrowers by as much as 50%. With an estimated average debt increase of $12,000 to $15,000, and a maximum increase of $35,000, NAGPS believes that such a dramatic increase in potential debt will lead to decreased enrollments and widespread difficulties in graduate programs throughout the nation."

The announcement by the CGC comes just as students from throughout the United States prepare for a huge grassroots lobbying campaign aimed at convincing Congress to support student aid. March 13 to 20, students from throughout the nation will be encouraged to write or call Congress. Students in Washington, DC, will make countless house visits, including the delivery of letterform students from throughout the nation.

Joining NAGPS in the week-long campaign are the United States Student Association, the American Medical Students Association, US Public Interest Research Group, American Student Association of Community Colleges, the National Alliance of Blind Students, and members of the Alliance to Save Student Aid, a coalition of higher education associations.

"Students interested in sending e-mail letters to Congress can send this letter to NO-STUDENT-AIDNETCOM.COM and they will be printed out and delivered to Congress," said Boyer. He added that each letter must be individually addressed to a member of Congress and must include a name and return address.

For more information about the nationwide campaign, contact NAGPS at NAGPS@NAGPS.COM or by calling (708) 256-1562.

---

Canadian Graduate Students Announce Support of US Graduate Student Aid
submitted by Kevin Boyer

Chicago, Illinois ... The National Association of Graduate-Professional Students (NAGPS) announced today that the Canadian Graduate Council (CGC) had unanimously approved a resolution supporting NAGPS efforts to help graduate students financial aid from proposed cuts in the United States Congress. In a letter sent to Associate Director New Gingrich, Senate Majority Leader Robert Dole, and other key members of the U.S. Congress, the Canadian Graduate Council urged each "to work diligently to ensure that the interest exemption remains in place for students in the U.S. while they are in school." The student interest exemption has recently been mentioned as a likely target for budget cuts proposed in association with the Republican Contract with America. "The loss of the interest exemption would be devastating to graduate students," said NAGPS Executive Director Kevin Boyer. "The loss of the exemption would increase the debt owed by graduate student borrowers by as much as 50%. With an estimated average debt increase of $12,000 to $15,000, and a maximum increase of $35,000, NAGPS believes that such a dramatic increase in potential debt will lead to decreased enrollments and widespread difficulties in graduate programs throughout the nation."

The announcement by the CGC comes just as students from throughout the United States prepare for a huge grassroots lobbying campaign aimed at convincing Congress to support student aid. March 13 to 20, students from throughout the nation will be encouraged to write or call Congress. Students in Washington, DC, will make countless house visits, including the delivery of letterform students from throughout the nation.

Joining NAGPS in the week-long campaign are the United States Student Association, the American Medical Students Association, US Public Interest Research Group, American Student Association of Community Colleges, the National Alliance of Blind Students, and members of the Alliance to Save Student Aid, a coalition of higher education associations.

"Students interested in sending e-mail letters to Congress can send this letter to NO-STUDENT-AIDNETCOM.COM and they will be printed out and delivered to Congress," said Boyer. He added that each letter must be individually addressed to a member of Congress and must include a name and return address.

For more information about the nationwide campaign, contact NAGPS at NAGPS@NAGPS.COM or by calling (708) 256-1562.

---

Canadian Graduate Students Announce Support of US Graduate Student Aid
submitted by Kevin Boyer

Chicago, Illinois ... The National Association of Graduate-Professional Students (NAGPS) announced today that the Canadian Graduate Council (CGC) had unanimously approved a resolution supporting NAGPS efforts to help graduate students financial aid from proposed cuts in the United States Congress. In a letter sent to Associate Director New Gingrich, Senate Majority Leader Robert Dole, and other key members of the U.S. Congress, the Canadian Graduate Council urged each "to work diligently to ensure that the interest exemption remains in place for students in the U.S. while they are in school." The student interest exemption has recently been mentioned as a likely target for budget cuts proposed in association with the Republican Contract with America. "The loss of the interest exemption would be devastating to graduate students," said NAGPS Executive Director Kevin Boyer. "The loss of the exemption would increase the debt owed by graduate student borrowers by as much as 50%. With an estimated average debt increase of $12,000 to $15,000, and a maximum increase of $35,000, NAGPS believes that such a dramatic increase in potential debt will lead to decreased enrollments and widespread difficulties in graduate programs throughout the nation."

The announcement by the CGC comes just as students from throughout the United States prepare for a huge grassroots lobbying campaign aimed at convincing Congress to support student aid. March 13 to 20, students from throughout the nation will be encouraged to write or call Congress. Students in Washington, DC, will make countless house visits, including the delivery of letterform students from throughout the nation.

Joining NAGPS in the week-long campaign are the United States Student Association, the American Medical Students Association, US Public Interest Research Group, American Student Association of Community Colleges, the National Alliance of Blind Students, and members of the Alliance to Save Student Aid, a coalition of higher education associations.

"Students interested in sending e-mail letters to Congress can send this letter to NO-STUDENT-AIDNETCOM.COM and they will be printed out and delivered to Congress," said Boyer. He added that each letter must be individually addressed to a member of Congress and must include a name and return address.

For more information about the nationwide campaign, contact NAGPS at NAGPS@NAGPS.COM or by calling (708) 256-1562.
The Dangers of Inebriation:
A Social Commentary??

by J. Random HercFrosh III and (Drunk) Lauren

Tookyy Targor. Find the hidden message from The Lord, Our Savior, Prince of Darkness, Master of Evil, King of the Underworld, Sovereign of the Netherrealm, Beelzebub.

We're coming down to the wire, folks, and the end is almost here. To celebrate the coming Spring Break, it's Decompression! That's right, it's your favorite time for stuffing your faces with chili, burgers, and bagels. We'll be serving in the usual place at 7:30. Entertainment includes: movies both nights, and Senseless Death on Sunday.

Also, right now, even as you read this: (assuming it's the lunch hour) there's a Y noon concert in front of Winnett!

Lastly, it's not too late to sign up for the Y's Spring Break Mountain Biking Trip. Come break yourself on break when your brakes don't work. Sign up soon, as space is limited. Call Chris at x6164 for more info.

---

For fast relief from the nagging ache of taxes, we recommend TIAA-CREF SRAs. SRAs are tax-deferred annuities designed to help build additional assets—money that can help make the difference between living and living well after your working years are over.

Contributions to your SRAs are deducted from your salary on a pre-tax basis. This lowers your current taxable income, so you start saving on taxes right away. What's more, any earnings on your SRAs are also tax-deferred until you receive them as income. That can make a big difference in how painful your tax bill is every year.

As the nation's largest retirement system, we offer a wide range of allocation choices—from TIAA's traditional annuity, with its guarantees of principal and interest, to the seven diversified investment accounts of CREF's variable annuity. What's more, our expenses are very low, which means more of your money goes toward improving your future financial health.

To find out more, call our planning specialists at 1 800 842-2888. We'll send you a complete SRA information kit, plus a free slide-calculator that shows you how much SRAs can lower your taxes. Call today—it couldn't hurt.

---

10
March 10, 1995
The California Tech
Running Beavers Defenestrate Track
Teams of Redlands and Whittier

by Dan Kleiman

Compearing against Redlands and Whittier, the Caltech men's track finished in the middle of the pack last weekend while a depleted women's team finished third. The meet was held on Caltech's track as the first of a series of three dual meets against the rest of the conference which, together with standings at the conference meet in May, determine order of finish within the league.

The meet started out with the 3000m steeplechase. Caltech was represented in this event by sophomore Chris Cary and fross Brad Nakatani, who was running in his first steeple. In spite of his inexperience, Brad could have taught Chris one important lesson: land on your feet. Instead, Cary took the third water jump face first, but eventually changed back into the race to take third in a personal best time. While at first many people suspected that Cary's fast time was due to his strategy of falling over the hurdles, other Beavers were able to turn in equally impressive marks without hitting anything. Adrian Highpower proved this fact by clearing a bar placed 5' 8" in the air to set a personal best in the high jump. Matt Goff, returning from injury, took it one step further with a jump of 5' 10". However, newcomer Tim Yarnall cleared the highest bar of the day, although his vault of 9' 6" was done with the assistance of a fiberglass pole.

On the track, the Beavers fared even better. In the middle distances, junior Bob Bergeron and senior Dave Stieger cruised to victories in the 400 and 800. Another new face, junior Brad Robbeman, provided pressure in both races and finished the day with very impressive heats for his first meet. The Beaver distance runners picked up where the sprinters left off, suruscoring Whittier and Redlands in both the 1500 and 5000. 5k runner Tom "softens hands while you do dinners" Meyer ran a personal best of 17:21.43, while fresh fross Brian Barris continued his rise with a 4:21 to take fourth in the 1500. A women's squad set back by in-jury still turned in many fast times and should be back to full strength by the time conference rolls around — a prospect which should frighten the rest of the conference. Senior Amy Oldenburg led the way, with a season best throw of 32.8 meters to win the discus and a toss of 35.68 meters to take second in the hammer throw. The Beaver sprinters, hurt by the absence of Gretchen Larson, nevertheless turned up the heat on the competition through Kristin Polito's personal best of 33.90 in the 200. In the 1500, two national qualifiers squared off as Caltech's Cailin Henderson narrowly lost to Kristin Fifer of Redlands despite running a personal best time. Senior Ginger Garcia took control of the 8000 for the Caltech women, running 11:45 to come in fourth.

The men's team now sits in fourth place in the conference, and both the men and women look to qualify athletes for the national meet. Caltech gives the rest of the conference a break until April 8th, but they will compete tomorrow at the Cal State-Fullerton Invitational.

Northwestern Summer Session '95

Make a splash.

At Northwestern's Summer Session you'll have access to Chicago and its beaches, parks, museums, festivals, shopping, baseball, music, and food. We have lakefront campuses in Chicago and Evanston (they're about 30 minutes apart) where you can earn credit in courses that last from one to nine weeks. Come to Summer Session at Northwestern and make a splash.

Noteworthy in '95: Field schools in anthropology, environmental studies, ethnography, and urban studies, and a six-week program in Prague.

For more information, please call 1-800-FINDS NU.
Out... BxN
America, agrees to help
have some inkling of a clue that
Q-83ch!
Bangkok to work
by scientific method
to
It's
to
This, so she blows Thuy's
have to kill
because it
B­
her

6
While Chris and John
put
tide
to
4
out.

rAGE
bane'
A bit too aggressive (see figure). N-
Black realizes his mistake. 6 ....
White would like
before he can continue.

1.
P-Q4
2. N-QB3
3. KxN4
4. N-B3

White would like to explore his K5 square, but he has to protect his QP before he can continue.

36. Beans
38. Iguana genus
39. EX stein
41. Once, once
42. Garden with apples
43. Gel
44. Class of 95?
45. EX eerie
46. Fox hole
48. Is
49. Teas
52. Sybarite
56. EX citing non-class activities
58. Mob men
59. Old video Race game
60. Hamiltons
61. Injects, in math
62. Sic
63. Italian family

Across
1. Formula?
5. Play in water
10. Table
14. More type
15. Skin disease
16. Singer Fitzgerald
17. EX out by scientific method
20. Endurance
21. Area
22. Scuffle place
23. Work or business
24. Bats
27. Defenestrate
28. There were 39 of them
32. Evil as title
33. Pendelton's partner
34. Still a virgin
35. Hazem room

Down
1. Boullie's planet
2. The big black boxes
3. Bare fingers
4. Came from
5. Gig
6. Mall buns?
7. Washington's in it
8. It's in Washington
9. Break an egg
10. Men's doing
11. AKA Lamb
12. Trudge
13. Rosebud's owner
14. Little leaders
15. Gets up
16. EX trinary
24. The Super Bowl, e.g.
25. Handblank, e.g.
26. Fabric joins
27. Mail or Jordan
28. Chopin's Revolutionary, e.g.
30. Nozra
31. New angle
33. Buddy
34. Erk from Minnesota
36. ___ Hot Tin Roof
37. Retirement plan
38. Design Contest results
41. EX name
44. Promise promise
45. Idle person
47. Bill of legend
48. Beet "beetsaw"
49. It's over
50. Corn lily genus
51. Care
52. Shapechanger in "Krull"
53. Trees in Brazil
54. blah, blah
55. Ending for travers or dip
56. Soak flax

Games & Puzzles - A Chess Game
by Wei-Hwa Huang

I had a fun game of chess the other day with my friend Dave Smith. I'd like to share it with all of you. (But I'm not telling which color I played!)

1. P-Q4
2. N-QB3
3. KxN4
4. N-B3

1. P-KN4, trapping the bishop. The text is slightly worse than 6 ... BxN 7. QxN. Either way, Black has lost a valuable tempo.

7. P-KN4, B-K5
8. B-Q3
9. B4-Q?

Black realizes, too late, that 8 ... N-B3 is followed by 9. P-N5 N-R4 10. BxB or 10. NxB, winning a pawn.

9. R-KN1
Unpinning the knight and making good the threat of 10. PxP. If 10 ... PxP?, then 11. BxB.

9. ... BxN
Succumbing to the pressure.

10. QxB
Black's QP is now in trouble.

10. ... PxP
A diversion.

11. PnP
Black can't get his pieces out quickly enough.

12. P-B5!
The clincher (see figure). Black's KP is necessary for defense of his QP and 12 ... NxBP is answered by 13. PxP renewing the threat and discovering a threat on Black's bishop. Black somehow needs to get his King to safety without losing more tempo as White is bearing down on his kingside.

13. P-N51
14. Q-B6
15. NBpP

Black desperately tries a twiddle.

16. 8-R6 Px8
17. K-Q3 (anything else loses the queen) QxQch! 18. KxQ O-O7ch and Black has the initiative.

19. 8-B5ch 17. K-K2 (anything else loses the queen) QxQch! 19. QxO O-O7ch and Black has the initiative.

Defending against N-N5.

19. ... Q-K2
Setting a trap.

20. P-N4
Falling into the trap.

21. ... BxP
22. BxP

White desperately needs a quick attack.

23. B-R6
24. PxP
25. P-N51
26. QxP?

Threatening 27. P-N6 (Black's bishop pawn is pinned).

26. ... Q-K4
27. P-R47?

Bringing more pressure on the queen side (see figure). But why did I put three question marks after that move? Figure it out! Tell me what happened for the rest of the game. Send your analysis to getTech before Wednesday, April 2. Best solution receives $10!
**Rice Krispies**

This cereal pre­

ent is with us for a

lengthy time. Why? It

is a codified subliminal

message meant to subvert the youth of America! We consulted with noted audio and cryptography experts from

around the world, but in

the end they all agreed that

in another message they could

extract from a bowl of Rice

Krispies was “Paul is dead.

**Honeycomb**

Another classic cereal from

the 1970s, this one was

popular in the late 1980s. For

a few years back, Max actually
got a digital watch from a box

of Honeycomb. Now we know

that a watch that came from a box of cereal—

real would be pretty crummy. But not this one. It was the latest Rice Krispies even accidentally washed it, and it came back to life as good as new! How does this happen? We don’t know how to say that about! Not many, Boy. That was a good watch.

**Radioactive Man Cereal**

We’re just ce­

ning to realize that cereal is not

as knowledgeable as a nutritionist

about food content, and we’re not as

pirates of the 1980s. But, for now, we’ll

keep on eating. A reason is that it’s “enriched with 12 essential vitamins and minerals, and just a pinch of nuclear waste”. Is the FDA ada­

per, or is it the average person?

**Alpha Bits**

Another cereal with

potentially subversive messages! Or

just an innocent bowl of letters? One

thing is for sure: we don’t know what

we’re eating.

**Trix**

Chocolate Coated Sugar

Bombs and Fruit Loops. Well, un­

fortunately, our lab notes for these last two were pretty much incomprehensible. We theorized that all that sugar and artificial flavoring was making us sick, but we never talked about it with our friends. We were so fascinated.

**Mueslix**

This cereal is widely touted as Armenian-Canadian director Atom Egoyan’s for­
mastery of the medium. Many people have avoided this one. It’s not the

most original movie the world’s ever seen, but it is well-acted, well-scripted, and is genuinely funny.

**Frosted Flakes**

Ever since it first

appeared on the market, the ratio of raisins to non-rai­
sings was increased. But

no matter what we did to

these cereal. Every time we saw one of those crunchy little purple dinosaur we saw it as something weird in British English, or if they thought “Frosted Flakes” simply had too many syllables.

**Barney Bits**

We never actually ate these. Despite the fact that some of our younger readers might think not. Even

the cereals have nearly doubled in over the last ten years, despite a decline in production costs. Coincidence? We

don’t think so.

**Solomon**

The evil mono­

poly which has gradually, yet

insidiously, prevented the

growth of cereal companies

from indulging in sugar-saturated “food” every morning will be struck a death blow by which it never fails to protect its citizens.

In order to gain a personal per­

spective was up in the air, and

subsequently to share that perspective with our loyal readers, we sent our crack SCM staff out to a local supermar­

ket months ago to find out what the

experts. This time, however, the re­

sults are very different.

When our staff returned, they

bought fourteen different brands of cereal, appealing to vastly differ­

ent tastes and interests.

The total bill: $27.28. Was it worth it? We were about to find out. But

first, we were forced to review a number of our staff’s, the one who had selected “Barney Bits”. Even

under the stress and sense of urgency which

is widely touted as Armenian-Canadian director Atom Egoyan’s masterpiece of the medium. Many people have avoided this one. It’s not the

most original movie the world’s ever seen, but it is well-acted, well-scripted, and is genuinely funny.

**Frosted Flakes**

Ever since it first

appeared on the market, the ratio of raisins to non-rai­
sings was increased. But

no matter what we did to

these cereal. Every time we saw one of those crunchy little purple dinosaur we saw it as something weird in British English, or if they thought “Frosted Flakes” simply had too many syllables.

**Barney Bits**

We never actually ate these. Despite the fact that some of our younger readers might think not. Even

the cereals have nearly doubled in over the last ten years, despite a decline in production costs. Coincidence? We

don’t think so.

**Solomon**

The evil mono­

poly which has gradually, yet

insidiously, prevented the

growth of cereal companies

from indulging in sugar-saturated “food” every morning will be struck a death blow by which it never fails to protect its citizens.

In order to gain a personal per­

spective was up in the air, and

subsequently to share that perspective with our loyal readers, we sent our crack SCM staff out to a local supermar­

ket months ago to find out what the

experts. This time, however, the re­

sults are very different.

When our staff returned, they

bought fourteen different brands of cereal, appealing to vastly differ­

ent tastes and interests.

The total bill: $27.28. Was it worth it? We were about to find out. But

first, we were forced to review a number of our staff’s, the one who had selected “Barney Bits”. Even

under the stress and sense of urgency which

is widely touted as Armenian-Canadian director Atom Egoyan’s masterpiece of the medium. Many people have avoided this one. It’s not the

most original movie the world’s ever seen, but it is well-acted, well-scripted, and is genuinely funny.

**Frosted Flakes**

Ever since it first

appeared on the market, the ratio of raisins to non-rai­
sings was increased. But

no matter what we did to

these cereal. Every time we saw one of those crunchy little purple dinosaur we saw it as something weird in British English, or if they thought “Frosted Flakes” simply had too many syllables.

**Barney Bits**

We never actually ate these. Despite the fact that some of our younger readers might think not. Even

the cereals have nearly doubled in over the last ten years, despite a decline in production costs. Coincidence? We

don’t think so.

**Solomon**

The evil mono­

poly which has gradually, yet

insidiously, prevented the

growth of cereal companies

from indulging in sugar-saturated “food” every morning will be struck a death blow by which it never fails to protect its citizens.

In order to gain a personal per­

spective was up in the air, and

subsequently to share that perspective with our loyal readers, we sent our crack SCM staff out to a local supermar­

ket months ago to find out what the

experts. This time, however, the re­

sults are very different.

When our staff returned, they

bought fourteen different brands of cereal, appealing to vastly differ­

ent tastes and interests.

The total bill: $27.28. Was it worth it? We were about to find out. But

first, we were forced to review a number of our staff’s, the one who had selected “Barney Bits”. Even

under the stress and sense of urgency which

is widely touted as Armenian-Canadian director Atom Egoyan’s masterpiece of the medium. Many people have avoided this one. It’s not the

most original movie the world’s ever seen, but it is well-acted, well-scripted, and is genuinely funny.
I open ♠ and LHO overcalls 2♣. Partner bids 2♦, which we play as fairly strong. RHO raises to 3♥, and I have an easy call: 3♥. LHO is quiet and partner bids 3♣, which means he has three spades and five hearts and a game forcing hand. Even though partner is a masterful player of the dummy, I choose to play with spades at trump to protect my ♦K from the lead, so I finish the auction with 4♦. West leads the ♣Q, and I see that this hand is not cold.

East wins the first trick with the ♣A and thinks for quite some time, as do I. I have four potential losers: two spades, one diamond, and a club. It appears as if the spades are offside, and the club is onside, since after the ♣A is seen there are only 9 high-card points left for the vulnerable overcaller to have without the ♣K. East must have raised on just a good fit. For a pair of pros, these guys are not acting very confident. Drawing this team in a KO is a good way to get the evening off.

East wins the first trick with the ♣A and thinks for quite some time, as do I. I have four potential losers: two spades, one diamond, and a club. It appears as if the spades are offside, and the club is onside, since after the ♣A is seen there are only 9 high-card points left for the vulnerable overcaller to have without the ♣K. East must have raised on just a good fit. For a pair of pros, these guys are not acting very confident. Drawing this team in a KO is a good way to get the evening off.

East wins the first trick with the ♣A and thinks for quite some time, as do I. I have four potential losers: two spades, one diamond, and a club. It appears as if the spades are offside, and the club is onside, since after the ♣A is seen there are only 9 high-card points left for the vulnerable overcaller to have without the ♣K. East must have raised on just a good fit. For a pair of pros, these guys are not acting very confident. Drawing this team in a KO is a good way to get the evening off.

East wins the first trick with the ♣A and thinks for quite some time, as do I. I have four potential losers: two spades, one diamond, and a club. It appears as if the spades are offside, and the club is onside, since after the ♣A is seen there are only 9 high-card points left for the vulnerable overcaller to have without the ♣K. East must have raised on just a good fit. For a pair of pros, these guys are not acting very confident. Drawing this team in a KO is a good way to get the evening off.

East wins the first trick with the ♣A and thinks for quite some time, as do I. I have four potential losers: two spades, one diamond, and a club. It appears as if the spades are offside, and the club is onside, since after the ♣A is seen there are only 9 high-card points left for the vulnerable overcaller to have without the ♣K. East must have raised on just a good fit. For a pair of pros, these guys are not acting very confident. Drawing this team in a KO is a good way to get the evening off.

He quickly puts the ♦5 on the table and I have to decide between two lines of play. I can take the club finesse and draw trumps or I can play for a heart discarding my third club. The count suggests to me that I ought to take the finesse, but these guys' table action has convinced me otherwise. I am certain that the club finesse is not working, so I fly with the ♦A, cash the trump ♦K (nothing good happens) and play hearts. West ruffs the third heart (ah, oh) and continues with... a diamond! Good news! I ruff my good diamond, and cash a fourth heart, shedding my last club and claim the ♦K. East must have raised on just a good fit. For a pair of pros, these guys are not acting very confident. Drawing this team in a KO is a good way to get the evening off.

East wins the first trick with the ♣A and thinks for quite some time, as do I. I have four potential losers: two spades, one diamond, and a club. It appears as if the spades are offside, and the club is onside, since after the ♣A is seen there are only 9 high-card points left for the vulnerable overcaller to have without the ♣K. East must have raised on just a good fit. For a pair of pros, these guys are not acting very confident. Drawing this team in a KO is a good way to get the evening off.

They calm down and play very well. They realize that this is one of those hands where they are not the only one with a poor hand. They take a finesse here and there, cash a few more trumps, and cash a few more hearts, getting me out in the end with ♦Q. I finish the auction with 4♦. West leads the ♣Q, and I see that this hand is not cold.

He quickly puts the ♦5 on the table and I have to decide between two lines of play. I can take the club finesse and draw trumps or I can play for a heart discarding my third club. The count suggests to me that I ought to take the finesse, but these guys' table action has convinced me otherwise. I am certain that the club finesse is not working, so I fly with the ♦A, cash the trump ♦K (nothing good happens) and play hearts. West ruffs the third heart (ah, oh) and continues with a diamond! Good news! I ruff my good diamond, and cash a fourth heart, shedding my last club and claim the ♦K. East must have raised on just a good fit. For a pair of pros, these guys are not acting very confident. Drawing this team in a KO is a good way to get the evening off.

He quickly puts the ♦5 on the table and I have to decide between two lines of play. I can take the club finesse and draw trumps or I can play for a heart discarding my third club. The count suggests to me that I ought to take the finesse, but these guys' table action has convinced me otherwise. I am certain that the club finesse is not working, so I fly with the ♦A, cash the trump ♦K (nothing good happens) and play hearts. West ruffs the third heart (ah, oh) and continues with a diamond! Good news! I ruff my good diamond, and cash a fourth heart, shedding my last club and claim the ♦K. East must have raised on just a good fit. For a pair of pros, these guys are not acting very confident. Drawing this team in a KO is a good way to get the evening off.

They calm down and play very well. They realize that this is one of those hands where they are not the only one with a poor hand. They take a finesse here and there, cash a few more trumps, and cash a few more hearts, getting me out in the end with ♦Q. I finish the auction with 4♦. West leads the ♣Q, and I see that this hand is not cold.

He quickly puts the ♦5 on the table and I have to decide between two lines of play. I can take the club finesse and draw trumps or I can play for a heart discarding my third club. The count suggests to me that I ought to take the finesse, but these guys' table action has convinced me otherwise. I am certain that the club finesse is not working, so I fly with the ♦A, cash the trump ♦K (nothing good happens) and play hearts. West ruffs the third heart (ah, oh) and continues with... a diamond! Good news! I ruff my good diamond, and cash a fourth heart, shedding my last club and claim the ♦K. East must have raised on just a good fit. For a pair of pros, these guys are not acting very confident. Drawing this team in a KO is a good way to get the evening off.

West is not happy with East. His initial salvo begins something like, "you idiot, can't you shift to a spade like a human being?" Hopefully, neither will trust the other for the rest of the match, and we lose the first match 32-2. We shall have to do very well indeed for the rest of the day to win this event. Almost—we manage second, although not to this team! I wonder what happened to them.

When I got back to our teammates' table, I hear them discussing this hand. The "discussion" begins "you moron, can't you shift to a spade like a human being?" I guess it must have been a difficult hand to defend.