



Christmas

The California Tech

Miracle

Volume XCIV, Number 30

Pasadena, California

Friday, June 4, 1993

That Was the Year That Was—

by Zack Berger

Rod Kiewiet became our Dean of Students, and students wondered whether he would take the place of Chris Brennan in students' hearts. That was first term. Nothing else happened for a couple of weeks until: Marcus Wins the Nobel Prize in Chemistry! That excited everyone, and for good reason. Marcus got fêted, wined, dined, photographed, lauded, written about, honored, and envied. Braun Athletic Center was constructed with much fanfare; athletics soon became centered on it. Marcus eloquently discussed his scientific debt to Nature in not one but two articles. The pumpkin drop happened, but in an uninteresting way. Dabney House's frosh bon-

fire caught the interest of Pasadena fire officials. Bill Clinton promised to end twelve years of Republican underarm odor. In an especially jam-packed week, Dr. Joseph Kirschvink discovered magnetite particles in the human brain *and* (the Tech said) "Administration and IHC Clash Over Interhouse." IHC: Hey, can we have Interhouse? Administration: No. IHC: Aww! Finally., Rich Zitola swept the ME72 contest.

Second term saw the departure of Student Activities Director Rob Cobb and the renaming of the Bomb Shelter as the Coffeehouse. A possible women's center spawned a brief flurry of discussion. The ASCIT Election Committee erred in its compilation of certain election results, which pre-

cipitated a wholesale revision of the ASCIT election procedures. Beckman-Centennial House was demolished after its sixty-odd-year history.

Third term saw the beginning of serious discussions touching on the future and form of Centennial House, to be built (it was announced) in 1995. Housing Manager Nancy Carlton left. Reports of infighting in the Caltech-MIT LIGO project were disseminated in the national media (including the *L.A. Times*) almost a year after the initial disagreements. A rat was dropped off Millikan for a Ditch Day stack.

or Was It?

AT&T Award Winners

by Suzette Cummings

AT&T Research and Development Award winners for 1993 were presented at a dinner in the Card Room of The Athenaeum on May 20, 1993. Attendees were Mark Clark, AT&T Campus Manager; Rod Kiewiet, Dean of Students; Connie Calderon, Acting Associate Dean of Students; Kevin Doody, Development; John Cortese, Member of the Technical Staff on leave from Bell Labs; student winners, Peter Carlin, Junior in Computer Science; Michael Clemen, Junior in Environmental Engineering; Jennifer Trittschuh, Junior in Environmental Engineering; and Esmeralda Nava, Sophomore in Environmental Engineering.

ASCIT BOD Minutes

June 1, 1993

by Karen Shih

Meeting Begins: 10:05 PM

Present: BOD, Ned Bowden, Mike Benedetti, Dave Derkits, Jennifer Trittschuh, Jed Pitera, Rich Zitola & Heidi Sutton, Eric Slayback, Rob Cresswell & Mike Medaglia, Derek Surka, Gavin Claypool.

KELROF—picking up \$500.

Faceplant (Skate Club)—picking up money for all three terms to pay for the building of the ramp.

Climbing Club—3rd term report. Everything is going quite well.

Tech—back with the same proposed schedule as last week; Gavin says the money is there. Debate is over the raise for editors. Question of the role of compensation for elected offices raised (What about Installations?). Motion to approve the schedule deadlocked at 4-3-1. After further discussion, same motion approved 5-3-0.

little t—Proposes its compensation schedule for next year. The only change is the amount budgeted for publication expenses because last year's was way more than expected. Motion to approve the schedule passed (8-0). Suggestions for additions or improvements to the *little t* may be directed to littlet@ugcs or SAC 41-58.

KKGO 105.1 FM will be playing The Ride on Wednesday, June 9th at 7:00 A.M. To accompany this momentous occasion, ASCIT doughnuts will be out on the Olive Walk on Wednesday at 7:00 instead of Friday.

ASCIT van—new checkout forms will have two additional items and will be duplicated at time of checkout. Insurance and transportation reasons abolished all hope of using the van as airport shuttle in ways and capacities as envisioned by Moeen and your illustrious BOD. (Boy, did we have plans for that baby!)

BOC—Mike reports that the newly revised Honor System Handbook, which will be available in two editions, one for the undergraduate and another for the faculty and staff communities, is going to the press. It might be nice if ASCIT chipped in a little of the printing costs.

Suggestions for ASCIT-sponsored parties should be directed to Anandi at x3691

Compensation for Totem editors—They sacrificed their salaries for more copies this year, but some sort of compensation is due for good work done. Motion to give them bonuses as prescribed in the budget (\$100 for 3 editors) passed (5-3-0).

Lloyd House—Eric wants money for the Lloyd Moon Party two weekends ago. Multi-house reserve is for events sponsored by more than one house; the Moon Party does not qualify. Nevertheless, Lloyd gets \$200 out of the Executive Social Budget, but not out of the multi-house reserve.

Elections results: Dave reports that we have a winning system on our hands. See results in the *Tech*.

Summer Recycling

by Sakae Suzuki

After three years of volunteer students picking up the recycled goods, the yellow recycling bins will now be picked up by the custodial staff. This new program will also provide each office with a recycling bin. This program will be initiated in the Beckman Institute and the other buildings will be

phased in during the summer and the next school year. Please call the Physical Plant Custodial Supervisor Office at extension 4722, or Ms. Delmy Emerson, Custodial Supervisor, at x4738 if you have any question or request. Many thanks go to the Caltech Y and the many student volunteers who have participated in program during the last three years.

ASCIT Election Winners

(see sheets in houses for exact numbers)

BYLAW AMENDMENT #1: YES (77%)

BYLAW AMENDMENT #2: YES (71%)

Class officers (ranked-preferential system used)

SENIOR CLASS PRESIDENT: Joan Marie Gimbel (60%)

SENIOR CLASS SEC/TREAS: Won Bang (64%)

JUNIOR CLASS PRESIDENT: Anandi Raman (63%)

JUNIOR CLASS SEC/TREAS: Pinky Blaine (51%)

The California Tech

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This issue of the *Tech* was made possible by the efforts of Jim Murdoch (big applause), Rudy Cilibrasi, and the staff at News-Type Service.

The announcements stating "our drive has crashed—no *Rivet*" were not just a publicity stunt. There would be no *Rivet* today if not for the parties above, who fixed our disk and half-toned our photos in record time.

The California Tech

Caltech 40-58 SAC
Pasadena, California 91125

letters to the editor

Pitiful Attempt At Irony

The article by D.W. Hogg reviewing the PakMann (sic) arcade that appeared in the Feb 5 issue was most excellent. It is precisely the type of article that the *Tech* excels in. This article can only act to enlarge the cultural boundaries of Techers everywhere. To the paper which once had as its byline "All the news that's fit to print," Thanks for returning to your roots.

Dr. Tobi "TD" Delbruck

Don't Shoot Skaters

Like most of the better readers of your newspaper, I am deeply disturbed and agitated by your malicious publication of a cartoon depicting the execution of skateboarders on page 6 of the January 15, 1993 issue of *The California Tech*. To call it anything other than blatant and irresponsible cultural blasphemy to advocate the Marxist subjugation of wheeled travelers solely because of their hairstyles, material possessions, and ease of lateral movement is to bleach out the very fabric of our society until nothing is left but a dry, withered, rotted mass of tangled anarchic fibers.

Your Satanic portrayal of the shotgunner as the moral majority's wicked fire-snorting phallus of death is not only a condemnable case of sadly provincial thinking,

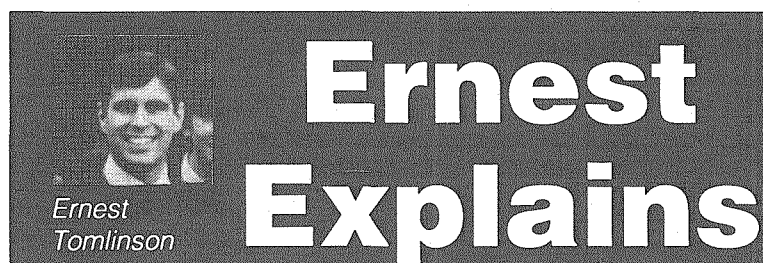
but taunts, mocks, and urinates upon the efforts of society's better members to control firearm proliferation. In addition to this violent and altogether impaling suggestion of shotgun advocacy, your use of a helmeted gunsman undeniably points a long and irrevoca-



bly accurate finger at your conviction that the role of the military is to overpower and summarily execute the masses to selfishly serve the State's interests. This thinly-veiled transportation genocide manifesting itself as an obscene ritual of human sacrifice, along with the other neo-fascist Nazi propaganda you endorse in this sickening cartoon, lead more astute readers to call into question your ability to exist peacefully in society. Furthermore, your pathetic attempt to reduce skateboarders and other social minorities to the level of objects to be stomped upon, destroyed, and gnashed up like so

many helpless ants beneath a hyperactive child's feet only reveals your latent insecurity about your scornfully ponderous inability to successfully balance on such a rolling trolley. I hope all the world makes mocking mincemeat of you for this shortcoming. I call upon you as a human being to make amends for the wrong you have done. There can be no recourse for such a heinous crime, save one: Profuse, meaningful apology followed by the immediate termination of your own scornful existence. You are obliged to make a profound and emotionally haunting apology, not only to the skateboarders you have doomed to untimely death and the shotgun-wielding maniacs you have set upon them, but to the great leaders of this college, this nation, and the world, and to the manufacturers of clay-disc catapults, and to the caretakers of parks and lawns everywhere, who I can assure you do not labor tirelessly only to have their beautiful lawns stained red and pockmarked by scores of hapless carcasses raining down from the sky. It is also fitting that you, as a token of your humility, subject yourself to the sort of gross mistreatment you advocate and fling yourself before the hornet's nest of vengeful shotgunners you have agitated, and allow the shreds of your withered carcass which reach the ground after you have been vengefully blasted out of existence to be pecked to bits by pigeons, so that you may rest for eternity as the bird poop you so richly deserve to be.

Jeff Bramel
440-0981



Ernest Tomlinson

Ernest Explains

Dear Ernest,

I am tremendously stupid. I tell my friends this, but they refuse to believe me. What can I do to show them I'm a moron?

—Sal in the SAC

Dear Sal,

Here's a little trick you might try. First, get yourself a nice computer. Then create a nice, big file, a megabyte or so. Don't back the file up anywhere. Finally, play around with this file until your hard drive crashes horribly and turns to slag. Congratulations! You're an idiot!

Dear Ernest,

Why do people eat oysters raw? I thought food was more hygienic if it was cooked. Just wondering.

—Irked in Iberia

Dear Irked,

People have been eating oysters raw for thousands of years. Originally, oysters were eaten raw simply because there were no common methods of cooking them.

After a time, the technique of boiling was refined. Boiled oysters soon overtook raw ones in popularity. Then, in 1385, a consortium of Genovese traders developed stewing in an attempt to compete with the master boilers of Japan. Stewing spread like the plague (so to speak), and became the oyster preparation method of choice.

Finally, in the 1850's, anti-Italian sentiment in this country prompted some Anglos to revert to eating raw oysters. This method first took hold in the upper classes, and spread to the masses.

Not Dating Yair

I was never aware that my personal activities were being scrutinized, discussed, or dissected until someone came to me tonight and mentioned that I was supposedly dating Yair Zadik.

Well, I was just writing to put a few things straight. First of all, I am not dating Yair. Second, I have not seen Yair in a year or two. Thirdly, how in hell's five names did this silly rumor ever begin?

Anyway, for those who care, I am dating a male (gasp) who is Jewish (another gasp). But he doesn't have a beard and his hair is blond.

Linda N. Maepa
Geobiology

Please send letters to the editor to *The California Tech*, Caltech 40-58, Pasadena, CA 91125, or by e-mail to editors @tech.caltech.edu.

The Tech reserves the right to edit all letters for brevity or otherwise, and to refuse to print any letter for any reason. Although we strongly discourage anonymous letters, we will withhold the author's name upon request.

The California Tech
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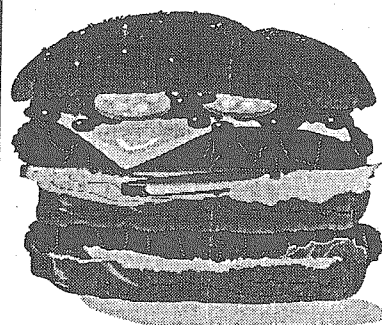
Letters and announcements are welcome. All contributions should include the author's name and phone number and the intended date of publication. The editors reserve the right to abridge and edit all submissions for literacy, expediency, etc.

Turn in copy (preferably on Macintosh 3.5 inch disk) to the *Tech* mailbox outside SAC room 40. E-mail may be sent to editors@tech.caltech.edu. The deadline for copy is Wednesday at noon; for announcements, Tuesday at 5 P.M.

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Yair Responds

I agree with Miss Maepa: peoples private lives should not be subject to public scrutiny through vicious innuendo and ridiculous rumors. Just to set the record straight, I and Linda Maepa are not going out. I have in fact not seen her for several months. While I'm at it, there are a few other rumors I would like to deny.

I am not bleaching my hair and shaving off my beard. (see above). I am not, never have, and will never be an agent of the CIA, FBI, KGB, GRU, Mossad, IRA, IRS, or any other espionage, counter-espionage, or terrorist organization. I have neither seen Elvis (at least not recently) nor been his secret homosexual love slave in this or past lives. I did not kill, or batter with frozen squirrels, anybody three years ago: specifically, I did not kill, or batter with frozen squirrels, my sister, my father, my mother, my fathers lover, nor one J. E. Rockproof (who, by the way, never was my secret lover. Who is this guy anyway?). I did not donate my penis (nor any other part of my anatomy) to science, and I certainly did not (nor plan to) have a sex change operation. I never won the lottery, and even if I did, I would never have spent all the proceeds on Cheez-Its (I don't even like them.) I did not at any time, seduce, attempt to seduce, or intend to attempt to seduce Pearl, Egon, or Atiya Hakim, with cocaine, marijuana, alcohol (of any variety including Vodka, Kahlua,

Vermouth, or Jack Daniel's), or any other drug or mind-altering substance. Specifically, I did not attempt such a seduction in the wind tunnels, Robinson pit, or the (new) Dabney tree house. I also at no time attempted to win the JD award for such a purpose.

Really, how do these ridiculous rumors get started? As for the rest of the rumors I've gathered, I neither confirm nor deny them.

Yair Zadik
MSC 222
Dabney House

No More Helvetica

While I enjoy your thoughtful and well-balanced journalism, I'd like to ask you to reconsider your position on the obscenities you currently allow in advertisements. I am referring, of course, to H*lvetica.

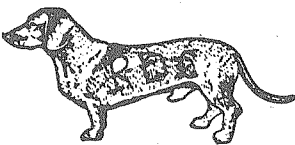
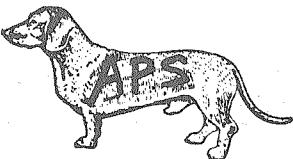
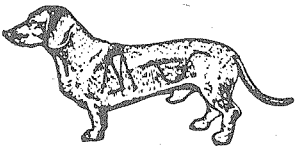
This typographic equivalent of Spam is flagrantly used by many of your advertisers, and should be eliminated, thus improving the look of your fine paper and the world in general. CHILDREN read your paper!

I hope that you will help in officially blacklisting H*lvetica (and the other "problem" typefaces, such as Futura Black, ITC Fat Face, ITC Serif Gothic, Biffo Script, and Lithos Bold.) For my part, I will be handing out free copies of Centaur and Baskerville on campus this week (packaged

with free condoms to encourage students to take them).

I am also developing a bomb that will destroy only H*lvetica and leave the romans standing. However, the problem of typographic defilement of our world cannot be stopped unless you, the paper recognized as the international leader in newspaper graphic design, take a stand NOW to STAMP OUT THIS MENACE!

James "Kibo" Parry



KELROF

by Matt Metz

This year's KELROF was well attended and stocked with food. Truckloads of bagels and Gatorade kept the runners going all night long. Much thanks to the Dean, DRL, and ASCIT for financial support. Thanks also to all the spectators who showed up to cheer the runners on and help eat the excess bagels.

The winning team this year, Lloyd A, was behind last year's winning mileage by less than seven miles. The teams, mileages, and team members were the following:

Lloyd A (200 miles, 850 yards)—

John Stamm, Dan Richard, Brian Winters, Tom Zavisca, Mike Debar, William Watson, Chandler McDowell, Ginger Garcia, Tom Meyer, Tom Dmukauskas

8 Gods and 2 Goddesses (186 miles, 200 yards)—Brian Cooper, Matt Metz, Sofia Akber, Ron Stieger, Julian Jamison, Betsy Barton, Philip Cofield, Nick Porsinsirak, Seth Blumberg, Rich Baltzersen

Lloyd B (141 miles, 1200 yards)—Walter Briskin, David Townsend, Tom Maccarone, Maria Toronto, Tommy Smith, Mike Pawson, Scott Van Essen, Mark Son, Tuan Hoang, Francisco Gutierrez

Lloyd 5 (88 miles)—Doug Rowland, Taara Kirby, Jeff Koshi, Wendy Belluomi

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Ynews

Sam Webb

As the year comes to a close, this will be the last news announcement from the Y until fall. Not much has changed from last week. Remember, Decompression is this weekend... come for the free food and entertainment. Besides, you really don't want to take your finals anyway. Summer excomm at the Caltech Y begins on June 14th and we'll be having a BBQ for SURF and summer students after the meeting. If you're here for the summer, don't miss it. The Y has free tickets for "American Gladiators" on June 25th if you're interested in some mindless violence. As summer begins, we also have the usual supply of discount tickets for Raging Waters, Universal Studios and Magic Mountain. I'd like to finish by congratulating this year's graduating excomm seniors, Katy Quinn, Phil Cofield, Dan Sandoval and Clo Butcher. Well done folks. See the rest of y'all in the fall.

Health Center Summer Hours Begin

On Monday, June 14, the Health Center will begin summer hours. The Health Center will be open from 8:30 A.M. to 4:00 P.M. Monday through Friday. It will be closed daily from 11:45 A.M. to 1:00 P.M.

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- >2 Serial, Parallel, Game Port
- >14" SVGA 1024x768 (.28) Monitor
- >101 Enhanced Keyboard

CPU	IBM48650	486DX33	486DLC33
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Load mark	114.88	111.5	107.2
Norman	67.7	51.6	54.1

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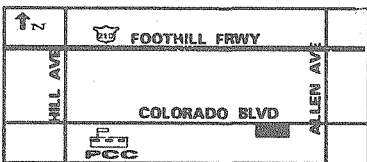
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James Ateris, THE RIVET
MOUNTAINS:
Pretty much not
there, 12E

FRI./SAT./SUN., JUNE 4-6, 1993

NEWSLINE

NOTHIN' DOIN'



Blood and Gore
Vice-President Al Gore
came under fire for
punching talk show host
David Letterman yester-
day after Letterman
called his wife "Tippy
Whore."

WHAT'S YOUR PROBLEM: You
have no job and you lie around the house all the
time in your undershirts; you bring your friends in
at all hours of the day and night. 5,6A.
►What would your mother say? 6C.

JESUS WAS BLACK: Abraham Lin-
coln was Latino, J. Pierpont Morgan was Italian,
say ethnographers.

►"The White House in particular has al-
ways been a complex mix of cultures and
ethnicities": Abigail Van Buren, 4A.

WALL STREET: Rich people jumping out
of windows. 4B.

WEATHER: Earthquake pushes California
into ocean; partly cloudy skies throughout the
weekend. 3F.

LIFE: Overrated.

THESE ARE CAPITAL LETTERS:
these are the words after the colon. Immediately
following this is the page number. 4F.
►This section is indented. 3C.

SPORTS: Baseball expansion teams in Genoa,
Omsk, Mexico City, Seattle, and Los Angeles
attempt to bring a love of the game to America's
outlying regions. 3D.

CANONIZED: Shocking new saint. 3C.

NANCY CARLTON: No one can take her
place in the hearts of Caltech housing clients
everywhere. Appreciation, 3D.

By Zackary Dov Berger

Inside THE RIVET 2 SECTIONS



Offensive Humor 1C
Baldfaced Lies 1A
Color 1A
Gorm Jokes 2C
Cowboy Buttocks 3C
The Snake 1
Kim West Bashing 3D

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CHEEZY GRAPHS®

A look at statistics without much meaning

The Nobel Index

Who's likely to cop the Big One next?

Ahmed Zewail 296

Femtochemistry is where it's at

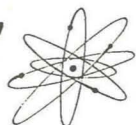
Lee "Dr. Total" Reavis 111

Discoverer of the rare μ -muffino

Don Skelton 37

Pioneer in Data Analysis

Murray Gell-Mann 2

There just might be something
to this "quark" thing

Source: Adam "The Italian Sawami" Villani By Momo Jeng, THE RIVET

THE
RIVET

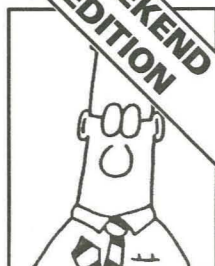
NO. 1 IN THE USA . . . FIRST IN DAILY READERS

★ NO WALK IN
THE 'PARK'
FOR 'JURAS-
SIC'

MICHAEL CRICHTON'S
SCI-FI EXTRAVAGANZA
LAMBASTED BY RIVET
REVIEWER, 2B

TOO BAD

WE HAVE LOTS OF
DILBERTS SAVED UP,
BUT NO ROOM

WEEKEND
EDITION

Dilbert © by Scott Adams
DILBERT: Engineer
shines in recent strips,
NEXT YEAR

Beckman-Centennial Bites the Dust

By Mary Gillman
THE RIVET

PASADENA—In an
open letter to the former
residents of Beckman-
Centennial House, released
Wednesday, Institute
president Thomas E.
Everhart put down his foot.

"Several members of
Beckman-Centennial
House have approached me
concerning the future of

affiliated housing for their
group," the letter says. "...
deviating from the Centen-
nial House plan would be
lunacy, however. We have
a donor committed to real-
izing a new model of stu-
dent housing. . . . The old
Beckman-Centennial
House will no longer be
recognized by the Insti-
tute."

The demolition of
Beckman-Centennial, the

fifth oldest of Caltech's
eight student houses, has
been the focus of a stormy
year, which climaxed with
the December 29th bomb-
ing of Everhart's Hill Av-
enue home. B-C students
Garrison Fei, Jeffrey
Mbutu, and John Vord were
arrested soon afterward,
and convicted of attempted
murder, arson, and con-
spiracy. The "Beckman
Three" are currently serv-

ing prison sentences.

B-C members are suspi-
cious that the mysterious
"donor" mentioned by
Everhart may, in fact, be
Arnold Beckman, who has
been noted to disapprove
of the house character of
his namesake. B-C is famed
for an atmosphere of vio-
lence and danger, and has
seen the largest number of
non-suicidal deaths of any
house. The "Centennial

House" project could be a
convenient way for Beck-
man to re-create B-C in a
more acceptable form, they
say.

"They do not respect the
culture of B-C," says fresh-
man Eugene Alexandrov.
"Everhart thinks that he can
just sweep us under the
carpet, but we will remain
an organization of the grass

Please see B-C page 2B ►

Dervan cops the Nobel action

Marcus stripped of Prize
in 'smart drink' scandalBy Clifton Chenier
THE RIVET

PASADENA—In a sur-
prising and unprecedented
decision, the Nobel Com-
mittee has stripped Dr.
Rudolph Marcus of his
1992 Nobel Prize in Chem-
istry and awarded it to Dr.
Peter Dervan, coinciden-
tally also a member of the
Caltech faculty.

Marcus is accused of us-
ing "smart drinks" over the
past several decades. These
drinks are brews of amino
acids, vitamins, and pro-
teins that are meant to boost
the user's mental energy.
They are widely available
at health food stores.

"We truly regret this
embarrassing incident,"
said Dr. Björn Ulvaeus,
chairman of the Commit-
tee. "Before conferring the
Prize upon the winner, it is
routine to do a urine test in
order to detect the use of
any illicit substances. In Dr.
Marcus's case, the sample
was delayed at the labora-
tory, and rather than post-
pone the ceremony, we de-
cided to give him the ben-
efit of the doubt."

The current trouble arose
when Dr. Marcus's test re-
sults returned five months
late. The samples tested
positive for excessive beta-
carotene, vitamin C, and
amino acids. The commit-
tee immediately began
looking for another candi-
date.

That candidate was
Marcus's colleague, Dr.
Peter Dervan. Dervan, who
is researching the chemis-
try of DNA, was surprised
to receive the award.

"I was called away from
the lab yesterday in the
middle of an important re-
action. When I first heard
the news, I thought it was a

►Marcus
files protest, 3A
►Award sys-
tem revised, 5B

Cleaver claims
'strings' hoaxBy Christopher Zagrodny
THE RIVET

PASADENA — In a
press conference Wednes-
day, disillusioned graduate
student Gerald Cleaver re-
vealed that "super-
strings," mathematical en-
tities at the heart of today's
theories of particle phys-
ics, are nothing but an
elaborate conspiracy by
physicists to trick the un-
suspecting public.

"If cosmology is the 'Big
Lie,'" says Cleaver, "then
superstrings are the 'Really
Big Lie.' I mean, I went
along with it long enough
to get my doctorate, but my
conscience has gotten the
better of me. I can't sleep at
night knowing that millions
of children are being taught
about these so-called
'superstrings' in elemen-
tary schools across the
country."

Cleaver's allegations are
vehemently denied by
Caltech professor John H.
Schwartz. "I know that Mr.
Cleaver is a reasonable
man," he said in an exclu-
sive interview, "and that
given some time to think
about the damage he is do-
ing to physics, he'll . . .
come around."

Meanwhile, physics de-
partments around the na-
tion have been rocked by a
rash of bizarre murder-
suicides, most recently at
Princeton's Institute for
Advanced Study, where
famed string theorist Ezra

Please see STRING
HOAX page 89C ►

AW YEAH, HOMES: Pete knows the score

Courtesy Peter Dervan

Student slain;
police baffledBy Alice Pouryurik and
Ahnew M. Wail
THE RIVET

PASADENA—Califor-
nia Tech musical reviewer
Dennis Chang, age 18, was
found dead last Saturday,
soon after the publication
of his review of TACIT's
latest musical/skating
spectacular, *Madame But-
terfly On Ice!*

Chang left his room late

See SLAIN next page ►

Church, House
of Blacker SplitTwo parts of
Blacker
separated in
Caltech labBy Hubert Jackson
THE RIVET

BLACKER — Caltech
chemist Harry B. Gray has
successfully split and
isolated the Church and House of Blacker, as reported in
this month's issue of *Science*. The Church and House,
once thought to be One and Inseparable by scientists, are
being kept in separate locked cabinets in Gray's office.

Blacker Pope Eric Hill condemned the division in an
interview this morning, saying "Grey's experiment is an
outrage. Is nothing safe from the destructive claws of
Chemistry?"

Please see WANKERS page 756D ►

WEATHER
AROUND LA

Weather data: Weather Disservices, Inc.

HOW TO USE THIS PAGE:

Hold the grey area in front of your eyes for several minutes. Then, remove it and look off into the distance. If you notice no difference, there is a 75% chance of heavy fog, accompanied by darkness. Do not mutilate, fold, or spindle. Warning: the Surgeon General has determined that smoking the Hot, Throbbing Rivet can be hazardous to your health.

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The weather today: Sunny, 78°.

You know, some people read the weather page expecting to find useful information about the possibility of rain, the predicted temperatures, and the likelihood of major hurricanes over the next week. However, since a recent survey shows that 98% of the readers of THE RIVET are unaware that there is something beyond the boundaries of campus, we, the editors, have taken a certain amount of poetic license with this page.

Clarence
Talks
Weather

By Clarence the Hun
THE RIVET

Clarence the Hun, formerly chief of security for The California Tech, brings his vast expertise to the pages of the nation's only published metal fastener.

It rain today. Yea'h. Then much sun. Ugh. And hot. Big drinks good. Much beer. Cover your tomatoes tonight, because there's a 45% chance of frost. Cold not nice. It make toes blue. Wind come. Blow away buffalo skin. Horses not happy. Raid villiages. Get women. Much beer. Watch *Star Trek*. Think Worf too laid back. He should drink more beer. Riker good. He real Hun. TV strange. Little people in there. Chop at glass to let they out, but they not there. Rain make stuff wet. Beer make stuff wet too. Maybe it rain beer tonight. Bring axe.

Barbarians find days like today perfect for raiding, pillaging, and burning villages.



Great
Sunsets

By Buffy Chandler
THE RIVET

Scientists say that an asteroid measuring about 10 km in diameter was probably the main cause of the dinosaurs' extinction. Recent astronomical surveys have shown that another such asteroid can be expected to impact the Earth within the next million years.

Such an event would have the primary effect of producing spectacular sunsets for the next several years. Side effects would include global firestorms, a rise in sea levels, the fall of modern civilization, and the extinction of about half the species on Earth.

Warm winds
make things
drier

NEWSMAKERS

COVER STORY
Dervan cops Nobel

Continued from 1A

prank, but it turned out to be real."

The Nobel Prize is the crowning achievement of a spectacular year for Dervan. Earlier this year, he received the Barry Gibb Medal from the American Association for the Advancement of the Seventies.

The award, consisting of an 18-karat gold medal bearing the likeness of musician Barry Gibb, was established more than 80 years ago to publicly recognize men and women who have "demonstrated creative ability of the highest order in the field of popular music and dance." Twenty-two of the past recipients are Nobel laureates, including Gino Vanelli (1976) and Anthony Manero (1978). Dervan is the sixth member of the Caltech faculty to be honored in this way by the AAAS, including Arthur A. Noyes (1915), Linus Pauling (1946), John D. Roberts (1983), and Gary Lorden (1992). Rudolph Marcus won the Gibb medal in 1988.

Dervan, a Boston native, graduated from Boston College (B.S.) and Yale (Ph.D.), and spent a year performing on Ed McMahon's "Star Search" before joining the Caltech faculty in 1982. Dervan, a regular on "American Bandstand", is also an outstanding instructor; he has won two awards for excellence in teaching from the Popular Dance Instructors of America.



LORDEN: Former Gibb winner

Blue Books: Rich history,
social utility

by Adam Villani
THE RIVET

RUDDOCK 233—It's three hours and fifteen minutes before your PS 12 final is due; it's a three hour final. You pick up your pencil. The instructions read, "turn your blue books into your T.A.'s mailbox, conveniently located on the third floor of Baxter." So where do you turn? A blue book, of course.

Those flimsy-looking yet remarkably sturdy pamphlets of white and blue wide rule paper, elevated to the status of "book" by the hopes of genius being transferred onto its pages, passes beneath our fingertips as many as 7 times in a single finals week, yet do we ever think of the origin of these ever-so-useful items?

What is commonly known as the Blue Book is more precisely the Texxus™ Exam Booklet #6. The Texxus™ Corporation, a division of Beatrice™ located in Waco, TX, is the world leader in exam booklet preparation (nothing but the best for noble C.I.T.!), and has had Caltech's exclusive exam booklet contract since 1985, when they won it valiantly from North Dakottux™ through their pioneering use of the economical two-staple model.

"Watch for next year's special, commemorating the ninth anniversary of our relationship with Caltech, wherein the snake depicted on the back of the blue book will be eating a goat whole," hinted Ralph "Q" Sanderson, Executive Director of Innovations at Texxus™. Here at THE RIVET, we're so anxious we've wet ourselves.

Slain

Continued from 1A

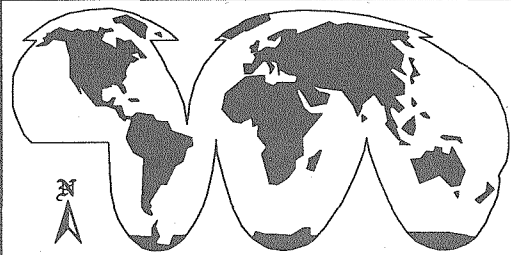
Friday night upon receiving a TACIT invitation to "come backstage and meet the performers" of *Madame Butterfly On Ice!* TACIT actors contended that Mr. Chang "just never showed up that evening. We have no idea what happened to our esteemed friend.

"However, don't let this unfortunate incident discourage you from showing up to TACIT's latest star-studded production, *Madame Butterfly On Ice!* I hope anyone who was dissuaded from attending the show last weekend by Mr. Chang's ridiculous review will realize that if they don't show up this weekend, they just might get to 'come backstage and meet the performers,' if you know what I mean."

Newsbitz®

Fun, informative
facts for today's
busy reader

By Monwhea Jeng
RIVET correspondent



United States

►Vanna White won her case at the Supreme Court. She argued that Samsung Electronics had caused her damage by using her image in a commercial without her consent. The commercial used a robot which allegedly resembled Vanna.

►Sonny Bono won a restraining order against transient James Hamlin who has allegedly threatened to kill Sonny and his wife Mary Bono, and has repeatedly pestered them in the past.

►The White House began receiving e-mail for the first time ever.

►"Cheers," the bar where everybody knows your name, closed last Thursday. In the final episode, Woody was elected to the Boston City Council, Rebecca got married, Cliff was promoted, and Norm got a

job. Diane Chambers came back, and almost got married to Sam—but at the last minute, they changed their minds. The show concluded with the major characters sitting around the bar discussing their feelings. Fans all over America watched the final episode. Most said that the final show was a lot of fun to watch, but also a little sad.

►The race between Riordan and Woo became more intense in its closing days. Woo was once again seen wearing a purple shirt, which many campaign analysts suspect is part of a strategy to demonstrate that he is creative. Riordan admitted to three arrests: one in 1964 for interfering with a police officer, one in 1971 for drunk driving, and one in 1974 for driving while intoxicated.

►Bill Clinton got a haircut. His new hairstyle indicates to many a tightening of his ties to Hollywood.

Hillary Clinton had a haircut less than a month ago.

Europe

►The Miss Sarajevo beauty pagent ran without a hitch. The pagent was held to protest the ethnic cleansing currently underway in the ex-Yugoslav republic, and had a big banner saying "PLEASE DON'T KILL US."

►A GATT panel ruled that EC restrictions on banana imports violate fair trade laws. They also said that giving preferential treatment to former colonies is not justifiable. Several weeks ago, the EC decided to allow France to set up temporary banana quotas as an emergency measure.

Miscellaneous

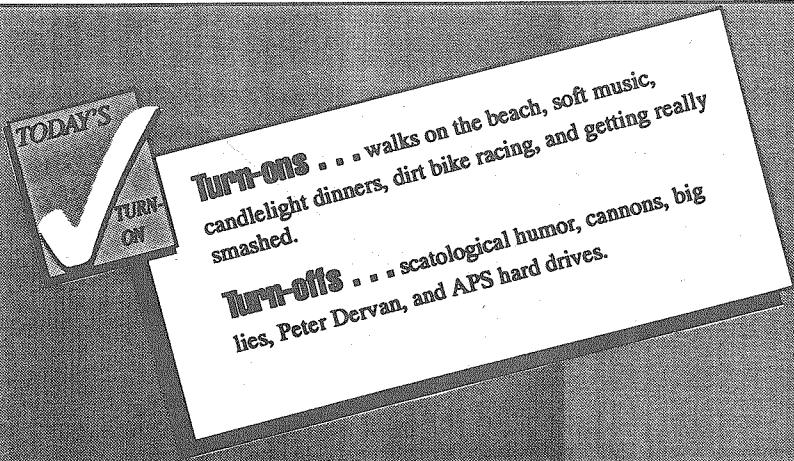
►War broke out between India and China. 3,000 died in initial fighting.

The final *California Tech* meeting of the year will be this afternoon at 12:15 in the Coffeehouse. Come celebrate the end of the year with the *Tech* staff. Free pizza and beverages will be provided.

If you have submitted a diskette to the *Tech* this year, and have not yet picked it up, please do so as soon as possible.

THE RIVET Science

FRIDAY, JUNE 4, 1993



By Ed Zametsky, Hanna-Barbara Productions

KOONIN: Set to play Bedrock's finest

KOONIN ON THE BOARDS

CALTECH PROFESSOR STEPHEN KOONIN DABBLES IN THE THEATER WHILE PREPARING (UNDER HIS STAGE NAME, RICK MORANIS) FOR THE ROLE OF BARNEY RUBBLE IN THE UPCOMING FILM "THE FLINTSTONES." 2B

SCIENCELINE

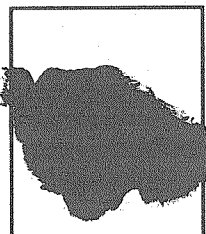
ALL SORTS OF REAL-WORLD APPLICATIONS (HEE HEE)

SUCK ME: A thirty-five-year-old man from Clearwater, Florida, is in the medical intensive care unit at Claude Pepper Memorial Hospital after he sucked too hard on a straw, and collapsed his own head. Scientists are completely confused.

EPIDEMIC IN PERU: A mysterious disease has arisen in this country's remote Indian villages; epidemiologists characterize the problem as "picking one's friends, picking one's nose, and picking one's friend's nose." Scientists are mostly confused.

FUNDAMENTAL PARTICLES:

Caltech physicists have discovered that mud is a stoichiometric mixture of water and dirt. This discovery opens up heretofore unexplored avenues for the solution of various problems in the theory of hard-to-get-out stains, including "ring-around-the-collar."



MUD: Pretty icky stuff.

MICHIGAN, IDAHO, NORTH DAKOTA?: American high-school students, when asked to name any

three states of the Union, could in every case only name these three. Educators are slightly confused.

PYRAMID POWER: A madman's vision is realized as Egypt's Giza Nuclear Power Station is brought on-line for the first time. Opponents cite structural weaknesses in the 3000-year-old pyramid's foundation.

I, ROBOT: Computer scientists at Carnegie-Mellon University have developed a new robot capable of writing copy for college newspapers. Opponents cite the robot's too-frequent use of the phrase "clown prince."

By Our Smarmy, Wise-Cracking Staff

Inside SCIENCE

Weather map	2B	Gauss jokes	6B
TV	2B	Palladium prices	4B
Field Unification	5B	Chicken pot pie	3B

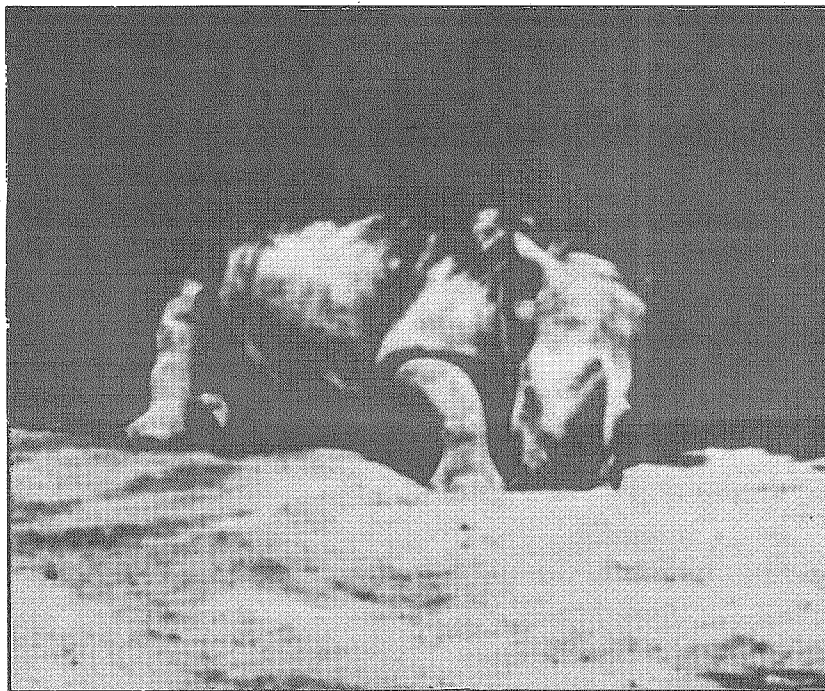


photo courtesy NASA

BORED: Recent NASA tests have shown that the rhinoceros is not adaptable to the lunar environment.

COVER STORY

NASA announces plans for 'space zoo'

By Isaak Haies
THE RIVET

After many years of research into the problems of maintaining morale of astronauts on long missions, NASA scientists announced today that they plan to send a small menagerie of animals on each flight.

Dr. Alphonse Frinkenstein, head of the College of Space Medicine at St. Cloud State University (Minnesota), had this to say: "This project began after the Skylab missions, since many of the astronauts experienced severe depression and boredom. Our studies have shown that having various animals along will be a soothing influence."

The report of the Commission on Long-Duration Spaceflight reveals that, while larger animals tend to give better effects than small ones, certain species did not respond well to the various environments tested. In the weightless environment, tested on several past shuttle missions, cats seemed to do very well, while turtles had a difficult time surviving. Fish also had problems. As one technician put it, "Well, they weren't dead, since they didn't float to the top of the tank, but they sure weren't moving."

Unmanned spacecraft were used for tests of other environments. One of the lunar tests had unexpected results, as the rhinoceros broke out of the landing

craft and began wandering across the surface of the moon. However, after several hours of walking about on the airless surface, the rhino returned to the lander, suffering from severe depression and boredom.

The conclusions of the report stated that the zoo aboard every future shuttle mission should consist of three cats, an orangutan, a water buffalo, and ninety-eight lemmings. A lunar colony should contain pretty much two of everything on Earth (except the rhinoceros), and the Mars mission should include at least one spotted skunk. Another recommendation was that NASA should market "Space Zoo" stuffed animals to raise money for the Mars mission, and that a "Space Zoo" Saturday morning cartoon was an absolute necessity.

Accelerators pose health risk, experts warn

By Jim Berger
THE RIVET

Occupational-health experts are worried about the ever-increasing incidence of accidents on or around cyclotrons and particle accelerators. What's more, they say a lot can be done to prevent it.

"Physicists have been working with accelerators for thirty years and still they don't know how to behave safely around the equipment," says Dr. Jacob Weissberg, occupational-health expert at the University of Idaho. Weissberg still sees thousands of cases per year of physicists "too careless or lazy to take the proper precautions around accelerators and cyclotrons." If the Superconducting Supercollider (now being built in Waxahatchie, Texas) is ever to work, says Weissberg, scientists must follow these simple rules when working around an accelerator:

►Never, never put any body parts into an accelerator. Caltech scientists were recently sent an internal memo by the Institute's chief of occupational health, Dr. Ricardo Gomez, in which Gomez used the phrase "bumbling fools who stick their most precious bodily appendages

into a powerful mega-electron-volt accelerator deserve whatever harm befalls them." Weissberg calls this criticism overdrawn but emphasizes the "danger of sticking one's leg in front of a path of speeding fundamental particles."

►Respect the particles you're dealing with. Protons are big, fat, and jolly; neutrons lack much personality and suffer from constant inferiority complexes; electrons are small, shifty little creatures with beady eyes and small snouts. Recognizing the personality traits unique to each particle may lessen frustration and, says Weissberg, "saves lives."

►Never play on, in, or near a working accelerator, not even, says Weissberg, "if you consider yourself above simple medical precautions." Most people do not know, says Gomez, that former Panamanian leader General Manuel Antonio Noriega contracted his famous "pineapple" complexion through a sophomore physicist's prank: he was peppered with thousands of small but fiendish elementary particles.

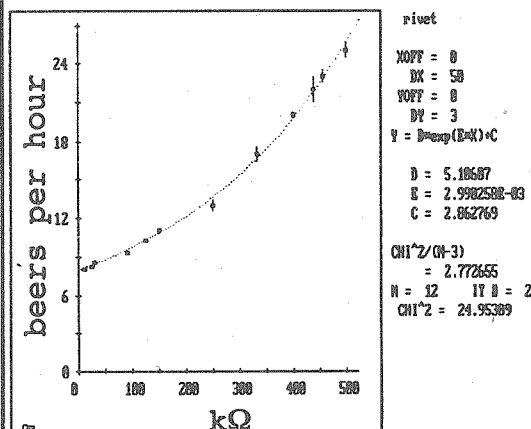
If you remember these simple rules, says Weissberg, "your time around an accelerator can be a lot more pleasant and helpful."

CHEEZY GRAPHS®

A look at statistics without much meaning

The Resistivity Curve

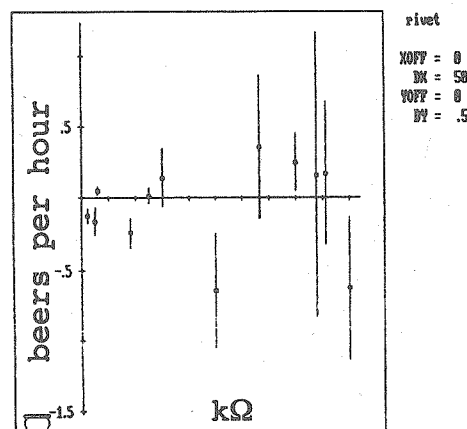
Can you survive electrocution through strategic drinking?



Source: Physics B Lab Notes, R. Gomez By Ronald Skeleton, THE RIVET

The Resistivity Curve

difference plot

Man, check out that r^2 !

Lengthy bubbling not expected

by Adam Villani
THE RIVET

RANCHO CUCA-MONGA: "We noticed it bubbling, but didn't expect it would fester like it did," quipped Morris Landers.

What does science tell us about God?

By Denny Miller
THE RIVET

FRIDAY NIGHT'S VIEWING

This chart uses Pacific Time. (CC) Closed-captioned. (r) Almost R-rated. (X) X-ceptional entertainment. Listed is the national PBS schedule. Times vary depending on pledge drives.

MOVIE RATINGS: ★★★★★ = Barney the Dinosaur ★★★ = Nate Lewis ★★ = Classic drama ★ = Gary Coleman

8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 1:00

Network

ABC	<i>Real Genius</i> . ★★ Documentary. Kid goes to college. Wacky high-jinks ensue.	<i>Rescue 711</i> : "Help! I need a Slurpee™! It's an emergency!"	News: TA dating.	Rush Limbaugh: Misogyny for the whole family. Guest: Page House.	1993 Motocross Championships: Oh yeah. Dirt. Motorcycles. Vrooom. Here we go. I love this stuff.
CBS	<i>The Frugal Gourmet</i> : w/ special guest host, Chef Dahmer.	<i>Shaft</i> . ★★★★★ Documentary. Kip Thorne stars as private eye Shaft in this classic detective flick.	News: Lots of favorable TACIT reviews.	<i>Real Genius</i> . ★★ Kid goes to college, avenges father's death, says "to be or not to be," dies. Wacky high-jinks ensue.	
NBC	<i>Cheers</i> - Last Call Part II: Cliff becomes disgruntled and shoots everyone at Cheers.	<i>Sharon Stone Theater</i> : Cerebral drama.	News: Rat droppings.	Dateline: Exploding trucks.	<i>Saturday Night Live</i> : Host—the ever amiable Robbb Cobbbb. Musical guest—Stale Urine.
FOX	<i>Star Trek</i> : Picard gets pissed, beams Wesley & Troi into deep space. Wacky high-jinks ensue.	<i>Star Trek—Deep Shaft Nine</i> : Sophomores & Juniors receive the shaft; live in remote outpost housing.	<i>Baywatch</i> : Even more cerebral drama. "A classic of the genre"	<i>Crotchwatch</i> : David Hasslehoff at his best.	<i>Studs?</i> : Special Caltech edition. 3 guys, 1 female.
PBS	<i>Barney & Friends</i> : Misogyny for the whole family.	<i>Better Holmes and Gardens</i> : with host Danny Chu.	<i>Masturbate Theatre</i> : with host Alistaire Cooke.	<i>Liars, Cheats, and Fraulatans—The Cosmology Hour</i> : Einstein makes up the cosmological constant. Wacky high-jinks ensue.	<i>This Old House</i> : Bob Vila builds C House in 4 episodes. Part 2 of 4.

Cable

HBO	<i>Barney Does Baltimore</i> . ★★★★★ Hard-core porn for the little ones.	<i>Real Genius?</i> ★★★★★ Starring Nate Lewis. Kid goes to college, leaves, returns, gets thrown in pond. Wacky high-jinks ensue.	<i>Those Wacky Branch Davidians</i> . ★ Comedy. Gary Coleman plays David Koresh. Whatchoo talkin' about, ATF?		
CINEMAX	<i>Real Genius</i> . ★★ Tragedy. Kid goes to college, kills father, weds mothers, removes his eyes. Wacky high-jinks ensue.	<i>Anal Encounters 6</i> . ★★★★★ Drama. Make sure to see the first 5, otherwise you'll miss the plot.	<i>Die Hard</i> . ★★★★★ Action. Man passes away while erect.	<i>Die Hard II Die Harder</i> . ★ No comment.	
MOVE CHANNEL	<i>The People's Court</i> : Judge Wapner BOC's Rusty. Wacky high-jinks ensue.	WWF Wrestling: Tom Everhart vs. Gorm. Gorm wins.	<i>Love Boat</i> : The Boat steers into the Persian Gulf. Wacky high-jinks ensue.	<i>Hairy Palms</i> : "Wild Palms" spinoff.	<i>Gilligan's Island</i> : They almost make it off the island, but, surprise, they don't.

B-C's last gasp

Continued from page 1

[roots]."

Junior Zhong "Styg" Chang, the secretary of B-C, agrees. "Everhart's got the lame."

Beckman-Centennial has tried to stay together despite the destruction of the house, according to Chang. House meetings have been held at local restaurants this term, and the Becks have even admitted

one new member.

"It is inevitable that B-C will fade into obscurity, however," B-C president Gromcheck Luvodna said in an exclusive interview yesterday. "Barred from rotation, we will never again receive a new infusion of freshmen, and slowly the house will wither." Luvodna is no doubt aware of the high percentage of B-C fresh-

men and sophomores who move out of the house.

"But," Luvodna continued, "the spirit of Beckman-Centennial House will live even as its members die. Slowly it will take seed in this new 'Centennial House' until B-C blossoms anew, and the C House students rise up and the frozen bodies of professors rain down from the tallest tower.

"As long as I live, I will be a Beck."

'Park' worse than 'Land'

By Wesley Eure

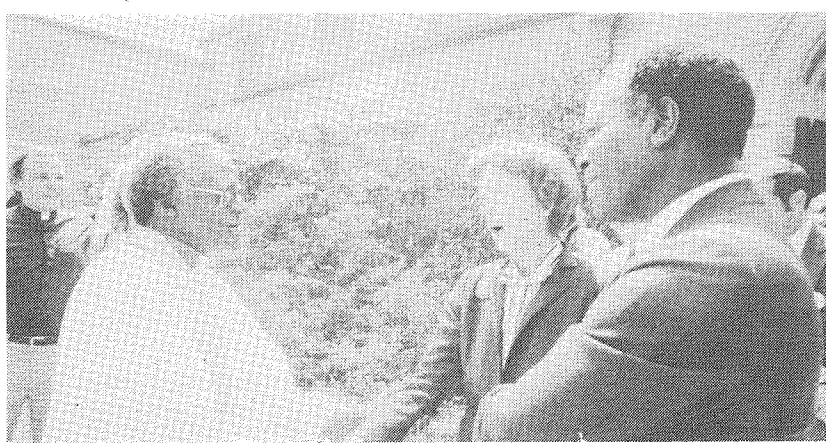
Michael Crichton's "Jurassic Park" is one of the most heavily hyped dinosaur tales in recent memory. It is unfortunate that "Park" suffers from the same problems that killed off the dinosaurs themselves—lack of creativity, un-adaptability, and a huge, bulky body.

It is not so much the poor quality of "Park" that is shocking as it is the blatant plagiarism of previous saur-related projects. The most obvious thefts are from Sid and Marty Krofft's classic drama "Land of the Lost." For example, the main characters in "Park" are an adult male, a boy, and an even younger girl, near-clones of "Land's" Marshall, Will, and Holly. Additionally, "Park's" raptors are carbon-copy sleestaks.

It is unfortunate that in those few areas where the two differ, "Park" gets the short end of the stick. Crichton's tale, an unabashed and simple-minded attack on science, could have benefited from an Enich-like champion of technology's good side. Crichton also omits the inter-lizard interactions that made "Land" so great.

There are some things I expect from Crichton—racism, arrogance, and a lack of scientific understanding. But not plagiarism.

Jurassic Park is available from Penguin Books for \$21.95 hardcover, \$5.65 paperback.



By Gus Robertson

SHOCKED: Miss Krause (Olga Helmutsdottir) discovers the joy buzzer in the palm of Bishop Desmond Tutu as Robert Guillaume looks on.

Tutu to Guest-Star in Benson: A Christmas Miracle

By Harold Wassercrantz
USA TODAY

In a move that stunned television moguls across the nation, veteran producer Marty Kroft announced today that his latest miniseries, *Benson: A Christmas Miracle* would feature a special appearance by Bishop Desmond Tutu.

The cast will include faces familiar to *Benson* fans, as well as some surprises. Robert Guillaume returns as Benson, and René Auberjainois returns in his role as Clayton, the shape-shifting bureaucrat. As mentioned earlier, Bishop Tutu will also appear, playing the part of a practical-joker-of-the-cloth. Audi-

ence favorite Inga Svenson, who played the ravishing Miss Krause, is currently pursuing a modeling career in Sweden, and was unable to appear, but her part is ably played by Icelandic Prime Minister Olga Helmutsdottir. *Benson: A Christmas Miracle* will appear on NBC this Christmas season.

Steve Koonin blows mind

By Lee Roy
THE RIVET

Caltech professor Steven Koonin, famed for his seemingly magical ability to invert 4x4 matrices in his head, blew his mind last week. Dr. Koonin, who had worked his way up to 9x9 matrices, was attempting to invert a 10x10 matrix when something went horribly wrong. Renowned medical



expert Joseph Douptnik commented "that fucker just clean blew his mind up." The formerly dapper

Koonin has added a toque to his wardrobe and exchanged his clever, surly grin in for a drooling pucker. Asked about his apparent mental failure, Koonin replied "Let's do some physics, you hosers." Dr. Koonin also claims to have made a pact with the devil, and now goes by the moniker "Koonistopheles." Rick Moranis was unavailable for comment.

CRITIC'S CHOICE

Admiral H.



YOWZA: Dave's crotch is hot, hot, hot!

► *Crotchwatch* (FOX, 11:30 p.m. ET/PT): Premiere of a new series, this Sid & Marty Krofft production is a *Baywatch* spinoff. Much as *Happy Days* starred Winkler as "The Fonz," *C-Watch* stars David Hasslehoff as "The Crotch," a rebellious undergraduate living in C House, where the C stands for crotch!

► *Shaft* (CBS, 9 p.m. ET/PT/Par-T): Who's the private dick that's a sex machine to all the chicks? Kip Thorne! Damn right.

► *Real Genius* (All the time): I love this movie. Have you seen it yet? Well, I don't want to give it away, but I've got one word for you... popcorn! Hee hee. Hope I didn't give it away. Popcorn! Whee!

► *Liars, Cheats, and Fraulatans—The Cosmology hour*: (PBS, 11:00 p.m. ET/PT) Cosmologists attempt to pass themselves off as legitimate scientists. No one is fooled.

Submit to the Totem!

Caltech's literary magazine is again in the works for next year, welcoming all products of creative endeavor:

poetry
short stories
essays
plays
any and all artwork.

The Totem seeks submissions from all members of the Caltech community.

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