THE CALIFORNIA TECH Ad Ad The Campus PASADENA, CALIFORNIA volume lxxxvii NUMBER 24 FRIDAY 18 APRIL 1986

by Rosemary Macedo

Ruben Mettler – Caltech alum-nus, Chairman of the Board of

Trustees of Caltech, Chairman of

the Board and Chief Executive Of-

ficer of TRW-addressed 100

undergraduates, graduates and ad-

ministrators on the qualities of

leadership at Monday's kickoff for

the Noland Leadership Series,

tributes of a good leader. Most im-

portant is effective communication.

Good leaders define their goals

clearly, ask the right questions, and

have a broad perspective by which

they can understand other's view-

points, particularly those opposing

their goals. Leaders must be able

to develop strategies, motivate

others on a sustained basis, and

promote creativity and innovation.

They must be dedicated to quality

and excellence. All these skills,

however, are for naught without in-

itiative. Leaders put their plans into

action and see them through to

Mettler began by listing the at-

sponsored by Ametek.

f-White Winners-Destabilizing Plans by M. St. Clair Lion of a Large Attack Zone Yaw-

The Space Weapons Study Group (SWSG) announced the winners of their "Off-White Paper" contest Tuesday in an award ceremony held at Winnett. As a protest of what they perceive as the foolishness of the huge SDI development effort, the SWSG asked students to write parodies of SDI proposals. The award ceremony, which was attended by about 80 students, was covered by the Associated Press, the Los Angeles Times, and other local newspapers. Forty-three entries were judged by a panel of SWSG members and Southern California Federation of Scientists representatives for their cleverness, originality, and humor. This distinguished panel, including individuals from TRW and the Pacific Missile Test Range, chose as the grand prize winner a proposal entitled "Application of Genetic Engineering to the Strategic Defense Initiative." The proposal, from Greg Ojakangas, a graduate student in planetary sciences, involves the use of "a lightweight strain of pygmy hippopotamus" which, when fed a special radioactive diet, would fill with helium. These LAUGHS (Lighter than Air Upside-down Grazing Hippos) would then rise to a height where "the atmospheric density equals the mean hippo density," or the "hippopause," forming a protective ROOPH (Readily Operative Overhead Protection by Hippos). In Greg's words, "A NUPH (NeUtral Pygmy Hip-popotamus) is enough." For this contribution to the nation's defense, Greg will receive a Zenith ZF-148-42 personal computer, courtesy of Zenith Data Systems.

Award winners included "A Hemisphere-based Bomber and Missile Deflection System," by David Palmer, graduate student in physics, which advocates installaing System Using Swivel And Navigation (LAZY SUSAN) betwen the North and South hemispheres. Once installed, this system would allow the U.S. to rotate the earth 180° in the event of a Soviet attack, causing their missiles to fall on them. The installation, of course, must be done secretly so that the Soviets do not learn of the plan. For this bit of genius, Dave will receive a frisbee lesson from Dan Roddick, 1984 world champion. The PINNO-CHIO system proposed by Jeff Gelles, chemistry graduate student, suggested installation of "a hightechnology, microprocessor controlled nasal prosthesis (i.e., an artificial nose)" on the faces of all SDI officials. When activated by a satellite-based "misstatement" detector, this "nose" would grow, thus alerting legislators and the public. Jeff received a gift certificate from the Espresso Bar. Lloyd House captured the prize for most entries from a housing unit.

Other top entries were "Car Wars" (John Klemic), "Unified Dirigible Theory" (Cameron Campbell and Paul Bonenfant), "The Antithesis Alternative" (Sue Larson), "Bermuda Triangle Focusing System" and "PANACEA" (Peter Gray), "Use of Caltech Scientist for the Defense of Ballistic Missiles" (M. Z. Iqbal), "Cardboard Sky" (James Theiler), and, winner of the "A Modest Proposal" Jonathan Swift Memorial Award, Dave Fascha, for "Children as the Peace-Keepers." The last was deemed too satirically biting for off-campus release, but we think California Tech readers can handle it:

Children as the Peace-Keepers "This proposal was inspired by the success of 'Children as the Peace Makers'-the late Samantha continued on page 4

As the simpering Honey, Bet-Arnold's stiffness is somewhat justified, but when Honey gets really smashed and attempts her interpretive dance, Arnold doesn't look any less uncomfortable; her forced performance in is unfortunately sharp contrast to Reno's and Roegler's boldness. Again, Who's Afraid of Virginia Woolf? is a long play, perhaps too long. although this is again no fault of TACIT's. Since it is being staged in Winnett Lounge, seating space is at a premium. Thus, be warned that people who choose to sit in the front row will find themselves in George's and Martha's living room, an unnerving experience as bottles smash and various couples roll about together at one's feet. All in all, the experience is a worthwhile one, a glimpse into the barren heart of supposedly intellectual America. Tickets are \$6.00, \$4.00 for students, with performances Friday, Saturday and Sunday evenings, this weekend and next, at 7:30.

In industry, leaders must first indentify the corporation's constituents: their customers, shareholders, employees and suppliers. Then they must decide how to balance these interests and translate them into corporate goals and strategies. This, Mettler reminds us, is not a static process. To remain competitive, a corporation must re-evaluate its goals and strategies at regular intervals. The new goals must then be widely communicated internally and externally.

To illustrate these ideas, Mettler outlined how TRW applies these principles. The corporation has four basic objectives which, roughly put, are ethical conduct, profit through quality goods and services, employee contribution at all levels, and support for the community. This is the framweork within which each of TRW's one hundred or so divisions must work. Each develops its own strategy to meet thises directives in a way appropriate to its activites and constituency. Mettler stressed the importance of clearly defined corporate goals as the key to effective delegation of leadership. Misunderstandings are costly and easily prevented with clear communication.

instead for credibility and respect."

Above all, "take on the burden of the initiative," he advised; get involved on campus. If you have an idea, implement it. Only experience can hone these skills.

question of how students can

develop leadership qualities. "Start

by accepting challenges here at

Caltech. Set high standards. Relate

your coursework and extracur-

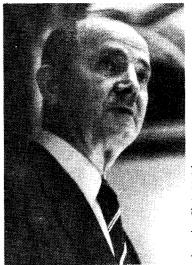
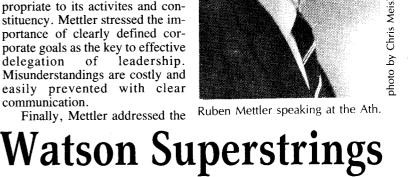


Photo by Rosemary Macedo



theory is that it will provide a "single theory to describe all ry parti and a single elegant equation," according to Gell-Mann. Presently, the only forces to have been related to one another are the electromagnetic force, the weak force, and the strong force, leaving the gravitational force unique. If the theory is correct, space should consist of nine dimensions with an additional time dimension. The fact that we see only four that is explained by the notion that the remaining six curled up into little balls at each point in space shortly after the universe came into existence. Gell-Mann hypothesized that we may actually exist in all ten, but that the other six are so small that no one has noticed their existence. The Theory of Superstrings was first thought of about 15 years ago by John Schwarz, who came to Caltech in 1972 to research it. He and Joe Scheck, who came to Caltech in 1974, proposed that the theory could be applied universalcontinued on page 7

completion. **TACIT Presents Virginia Woolf**

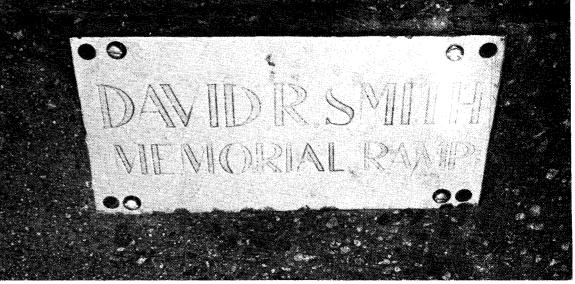
by Diana Foss

Edward Albee's Who's Afraid of Virginia Woolf? is a wrenching nightmare of empty lives and empty bottles. TACIT's Who's Afraid of Virginia Woolf? is also a wrenching experience, but ultimately a worthwhile one. It is a long play, running in real time the three hours between 2:00 am, when George and Martha and their hanless quests

own impotence, are really the stuff of the play. At first, as Martha screams at George for not remembering the name of some Bette Davis film, the audience is all set to loathe her and to feel sorry for her husband. This all changes as George reveals the fiend he has become over the past twenty-three years. Or perhaps it was always there inside him. Martha, with her

When he lashes back at George and his leering vision of Nick's brave new world, we can sense the great, attractive power within him. But when he spills out in drunken confidence the intimate secrets of his marriage, it is less believable. This is as much the fault of Albee's dialog as Lawrence's acting.

by Josh Kurutz Murray Gell-Mann, Nobel



Yes, the David R. Smith Memorial Ramp Plaque is back! Valiant Buildings & Grounds agents toppled the corrupt

B&G dictatorship, restoring freedom to both themselves and the plaque. In a touching ceremony, B&G operative Dick Barker himself restored the plaque to its rightful resting place. Cries of joy rang throughout the land!

Mettler Speaks on Leadership

arrive for drinks and conversation, and dawn, when the party's finally over and everyone gets to go home.

Bravura performances by Janet Reno, as the boozy harridan Martha, and George Roegler, as George, the eternal associate professor driven to monstrosity by his sublimely hideous green jumpsuit and her incessant braying, gradually shrinks in stature, until by the end of the three hours, we can see her as the pitiable woman she really is

Taylor Lawrence grows into his role as Nick, the blond superman.



A rare happy moment in TACIT's production of Who's Afraid of Virginia Woolf.

Millikan Pro ssor of Theoretical Physics at Caltech, explained the theory of superstrings to an overflowing Beckman Auditorium Wednesday, April 16. The Watson lecture entitled, "Is Everything in the Universe Composed of Superstrings?," detailed the progression to the superstring theory and an explanation of it.

The essence of the theory holds that all matter is made of tiny (length scale of 10⁻³³ cm.) "strings" that form what are known as elementary particles. Conventional theories describe particles as geometric points while string theory describes particles as one dimensional loops.

Part of the significance and versatility of the theory is that an infinite number of particles could be made using superstrings, though merely hundreds could feasibly exist due to energy restrictions. That property could calm those who get distressed when new particles are discovered.

One of the great hopes for the

LETTERS

The Real Story Loose Plaque Irresponsible? **Stolen Books**

To the Editor:

Knowing the great respect with which the Honor System is regarded at Caltech, I will make this brief and to the point. Over the last several months books have been disappearing from the shelves in my office (as well as the office of at least one postdoc in my group) at an alarming rate. Though I have not made an inventory, the following books are known to be missing:

Jackson-Classical Electrodynamics (2 copies-one mine, one belonging to the aforementioned postdoc)

Kittel & Kroemer-Thermal **Physics**

Kittel-Solid State Physics Herstein-Algebra

Bjorken & Drell-Relativistic Quantum Mechanics (Volume 1)

Bjorken & Drell-Relativistic Quantum Mechanics (Volume 2)

It is perhaps suggestive that the Kittel and Kroemer is believed to have disappeared sometime within the last month, coinciding with the beginning of the spring quarter and Physics 2c (which uses Kittel & Kroemer as a text). Herstein was seen as recently as 6 months ago, as was (I believe) my Jackson. Solid State Physics (Kittel) has been missing at least 4 months, and the Bjorken & Drell were seen as recently as last October, I believe.

Each of my books has my name (Lee Samuel Finn) impressed by a library-style seal on the title page (the second copy of the Jackson has the name of the postdoc, Jens Villumsen, on the title page). I ask, in the Spirit of the Honor Code, that these books be returned immediately (I suggest the campus mail as a suitably anonymous medium).

GOLDEN

-Sam Finn Physics Grad Student Mail Code 130-33

To the Editor:

I would like to respond to Gary Hindoyan's response to my previous letter. [Issue of 4/11/86]

Mr. Hindoyan's description of the kebab incident is simply not accurate. When I returned the kebab, the server was not busy. There were no other customers at the counter. There was another food service employee standing idle next to the server. The server did not put the partially eaten kebab on an empty part of the tray. He put it on top of a pile of kebabs. The other employee tried to take the kebab out of the tray, but the server stopped him. I do hope the kebab was discarded later, but there was no reason for the server to put it there at all. He could have simply put it on a plate temporarily or handed it to the other employee.

I would like to comment on Mr. Hindoyan's claim that Chandler is inexpensive. I do not believe that Chandler is particularly inexpensive for a cafeteria. It is true that a dinner for under \$5 at a restaurant would be inexpensive, but Chandler is not a fine restaurant. Its food is cold cafeteria food which has often been sitting out for some time.

I am now eating at the Athenaeum.

Sincerely,

-Pamela Derry Graduate Student

A Social Grad

To the Editor:

With reference to the letter from the Provost last week I'd like to say that I for one enjoy socializing with the undergraduates, mainly due to the favourable Ratio. Sincerely,

Brian Warr Gradturkey in Physics



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To the Editor:

Hey, the Smith plaque was loose as early as the weekend before last! I remember taking note of the fact when I walked by on 5 April.

It seems unlikely that anything sinister was involved. Surely it doesn't warrant a front-page headline.

No doubt the freezing temperatures during this winter's most recent snowfall simply cracked the bolt casings attaching Dirty Dave's plaque to the ramp.

Yours truly, - Dennis Mallonee 1973-75 former Tech Editor, 1973-75

The Editors reply: We at the Tech believe that no incident is so seemingly simple or explainable that it could not actually be evidence of a world-wide conspiracy so allencompassing, so sinister, that it would curl your hair if we told you even what little we know about it. Trust us.

Balanced Housing

To the Editor:

Thank you for running the balanced articles by Tony Stirk on graduate stipends and housing. I hope the housing office will find a creative way to keep our housing affordable even at the expense of some frills.

Incidentally, Provost Vogt, many graduate students enjoy socializing with undergrads. -Paul Smith

To the Editor:

I am writing to protest the irresponsible journalism practiced by the California Tech. I understand that the Pasadena Star-News and other such papers need to glorify their stories to sell their product, but I don't understand why such incompetence should be present here.

The article written by Josh Kurutz can best be described as libelous towards Dave Ely and Fleming House in general. I will attempt to provide the details here, however unspectacular they might be:

 7:30ам: Cannon taken by Harvey Mudd students while four Flems slept (they were the only ones here). Mudders fooled one security guard, and one frosh-Ralph from Ricketts. No Flems were around, especially Ely, who lives off-campus.

(2) 10:15: Ely arrives on campus-no cannon. Immediately calls me at home in Westminster after security guard tried to convince him that the cannon-napping was legitimate.

3 11:00: Harvey Mudd admits responsibility. Ely, Steve McAdams and others go to Mudd to make sure cannon is well.

At no point was Ely fooled by the Mudders. It appears to me that the *Tech* was unwilling to expose the real moron-the security guard who was convinced that a) a water pipe under the cannon was broken, b) the cannon needed repairing, c) the same company was repairing both, d) they rented a truck to do it (the rental sign was clearly visible), all without even checking the story with any member of Fleming.

How do I know all this? I have talked at length with the Mudders responsible (God rest their souls). Also, the Mudders took many slides to account for their accomplishment, which we "borrowed" and viewed. Mr. Security guard: we know who you are.

Still steamed, –Ed Zanelli

Mr. Kurutz responds: I would like to emphasize that my article tried to portray the cannon theft as an attack on Caltech, not just Fleming House. It also pointed out the positive aspects of Fleming's involvement such as the determination to retrieve it and the persistence of at least one member of the house. It would have been journalistically irresponsible to treat Fleming or Campus Security in any other way.

I apologize for the inaccuracy in reporting. The article recounted what I had found out from Bernie continued on page 4

THE CALIFORNIA TECH Volume LXXXVII • Number 24 18 April 1986 EDITORS IN CHIEF Jens Peter Alfke • Josh Kurutz ENTERTAINMENT EDITOR John Fourkas PHOTO EDITOR Ron Gidseg SPORTS EDITOR John Haba REPORTERS Jim Bell • Diana Foss David Hull • Josh Kurutz Gary Ludlam • Rosemary Macedo Anthony Stirk • Marty Zimmerman PHOTOGRAPHERS Ron Gidseg • Teresa Griffie Sandy Lee • Rosemary Macedo Chris Meisl • Rod Van Meter Min Su Yun • Sing Ung Wong THE INSIDE WORLD Blacker: Jim Bell Dabney: Mike Roberts Fleming: Steve McAdams Lloyd: Nicole Vogt Page: Konstantin Othmer and Dave Parkinson Ricketts: Saxy Workman Ruddock: Sam Wang BUSINESS MANAGER David Goldreich •Help Wanted• CIRCULATION MANAGERS Sunbo Choi • Paul Gillespie **PRODUCTION & LAYOUT** Josh[™] Susser • Nick Smith Mimi Zucker • Joey Francis

THE CALIFORNIA TECH 107-51 Winnett Student Center California Institute of Technology

The Caltech Y Fly-by

Friday...April 18

Noon Concert with Bill Bing and the Monday Jazz Band. At noon on the Quad. Bring a friend and a lunch.

L. A. Philharmonic. Mozart and Schubert. At the Music Center, 8 PM. Y Car leaves Winnett at 7:15 PM.

Tuesday...April 22

"Learning to Break the Rules: What Makes Engineers (Among Others) Wise and Successful," a lecture with Dr. Martin Krieger of U.S.C. In Winnett Lounge, 7:30 PM.

Thursday...April 24

Direct from New Zealand on their world tour! The Wells Cathedral Choir of Somerset, England. Beckman Auditorium, 8 PM. The Y has 100 free tickets (normally \$7!), first come, first served

Workshop: "Finding Meaning in the Nuclear Age," with professional counselors David and Madeline McMurray. In the Y Lounge, Thursday 7:30 and Friday 9:00 AM. Sign up in the Y. Limited to 30 participants.

For an introductory offer a complimentary \$50.00 worth of fine dining checks will be offered with the purchase of min. \$100.00 travel tickets (one per family).

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Next Week-Romancing the Stone in Baxter Lecture Hall \$1 ASCIT members \$1.50 all others Friday...April 25

Noon Concert with Belfires. At noon on the Quad. Bring a friend and a lunch.

L. A. Philharmonic. Mozart's Violin Concerto in A, Beethoven's Symphony No. 9. Music Center, 8 PM. Sign ups close Monday, 4/21.

Night, Mother-play at the Mark Taper Forum, 8 PM. Tickets \$5. Winners posted TODAY (4/18).

Renaissance Faire! The Y has 100 tickets at half price (\$6.50 each). Good any weekend until and including Memorial Day.

Wednesday Night Videos in the Y. Every Wednesday at 9 PM.

Movies-Discount tickets to Mann and Pacific Theatres, \$3.00 each.

> Any questions, comments, or ideas? Come see us in the Y office or call x6163

Pasadena, California 91125

Phone: [818] 356-6154

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Philip Glass' Liquid Days

by David Hull Songs From Liquid Days Philip Glass Ensemble **CBS** Records

What is one to make of Songs From Liquid Days? Is it a serious attempt to fuse the classical and popular styles, whatever those may be? Is it a chance for Laurie Anderson, David Byrne, Paul Simon and Suzanne Vega to prove themselves "serious" lyricists, for Linda Ronstadt to polish her Pirates of Penzance soprano? Is it a promotional ploy based on the idea that no right-minded fan of "cerebral" music could resist all those names in one place? Is it just some idea old Phil had while chatting with Einstein on the beach? I'd guess it's all of the above. Unfortunately, for all the potential you might think the album would have, it's not really much of anything new

The music sounds like Philip Glass. I don't mean that as praise or damnation, I simply mean that all the other Philip Glass I've heard sounded about like this. You've got your doodle-deedle-deedle arpeggios, repeating and repeating over simple chord changes, underpinned by syncopated full chords, usually in the brass and keyboards. It's a little reminiscent of Bach, and parts of it remind me of the Threepenny Opera by Kurt Weil and Berthold Brecht (the inspiration for The Trial in Pink Floyd's The Wall).

Most of the musical sections are fairly short, so perhaps the full impact of the repetitions would fail to take hold, but then there is a fair amount of overlap between songs. If you're in the mood for it, this means something like "subtly changing patterns within a minimalist framework". Otherwise it's the same stuff, over and over again. That's Glass for you. If you like Glass, you'll probably like the instrumentals, and if not, you probably won't.

The lyrics vary in quality. I wasn't impressed by Paul Simon's offering, Changing Opinion, which he opens with:

Gradually

We became aware

Of a hum in the room

An electrical hum in the room

It went mmmmmmmmmm... Maybe it's serious, maybe it's not. It might mean something. Look! See Paul write! See Paul write lyrics! Wheee!

I prefer Suzanne Vega's Lightning, with nice use image and metaphor and all that, as in: ...But there'll be a thick and smoky

Silence in the air When the fire finally dies And I'm wondering who'll be left there

In the ashes of the time Burned away Burned away

Vega's Freezing best represents the style of the lyrics as a whole:

.If it were only you Naked on the grass Who would you be then? This is what he asked And I said I wasn't really sure But I would probably be Cold

And now I'm freezing Freezing

What catches my attention is the sudden swing from grand themes and questions like "Who would you be then?" to the deliberately trivial-"...I would probably be cold". This is not an inherently good or bad technique, but it is pervasive-note the beginning of this article; I seldom do anything original. David Byrne supplies some nice lines in Liquid Days (Part One):

Love takes its shoes off and sits on the couch

Love has an answer for everything

- I offer Love a beer
- Love watches television

Love needs a bath

Love could use a shave

I recall reading in Rolling Stone about David Byrne being in love. That was a while ago, but who knows?

Byrne's other contribution Open The Kingdom (Liquid Days Part Two) is hauntingly enigmatic, which means I didn't understand it. It starts out:

Days of fishes

Distant Roar

Turning to speak

Turning to hear...

If you think that's neat, fine, you get no argument from me. Later on, it says "Love" a lot (with the capital letter), so it must be worth something.

Finally, Laurie Anderson's Forgetting has a hauntingly detached feel, which means I liked it, but it made me feel a little funny, like something I'd been assuming for a long time wasn't really true. I find Laurie Anderson often has that effect on me, and I admire her for it. When I first read the lyrics, dur-

ing a repeat in Open the Kingdom, I could hear one of Laurie Anderson's voices speaking the lines: A man wakes up to the sound of rain

From a dream about his lovers Who pass through his room. They brush lightly by, these lovers.

They pass. Never touching. These passing lovers move through his room

The man is awake now He can't get to sleep again. So he repeats these words Over and over again: Bravery. Kindness. Clarity. Honesty. Compassion.

Generosity.

Bravery. Honesty. Dignity. Clarity. Kindness.

Compassion. The actual setting of these words was quite different from what I heard in my head while reading them, although it fit in with the rest of the album. Which leads me to my main complaint about the album.

The actual declamation, the fitting of the words to the music, seems completely arbitrary. The style is classical, in that the phrasing does not match the patterns of everyday speech-the lyric is fitted more to the instrumental than vice versa. It sounds like opera, or any number of pieces that composers have thrown at choirs through the centuries. Of course, there's no rule that phrasing in choral works has to follow the patterns of speech. (Think of Handel's Messiah: For unto us a child is bo-o-o-o-o-orn with all those lovely scales that everyone hates to sing.)

But Glass' declamation seems random and perverse. Words are tossed together in rapid succession, then stretched out, and the result isn't anything startling and new, or even greatly offensive. Instead, it seems as though I'd heard it all before. I wouldn't expect to hear any of this stuff on KMET (who knows?), but Songs from Liquid Days is conventional and unexciting in it's own way.

If you like enough of the names on the album (I didn't mention the Roches, Bernard Fowler, Douglass Perry, Janice Pendarvis and the Kronos Quartet), see if PooBah's doesn't have it for cheap (the copy I listened to was obtained there for \$3.94). Otherwise, don't worry about it too much.

Bloom County Will Not Disappear From The Tech This Week

content.

Yet it is also our responsibility to guard against publishing damaging material we know to be over- appear in this space. drawn and unfair. We feel this

It is distasteful to us, and we're week's Bloom County grossly exsure to many of our readers, to in- aggerates the real and alleged tranterrupt a regular feature due to sgressions of certain motion picture actors.

> Thus this week's strips will not Try page 6.

Noam Chomsky on U.S. Interventionism

by Daniel Kegel

Dr. Noam Chomsky, professor of linguistics and philosophy at MIT and one of the founders of modern linguistics, has been active in issues of intervention since the days of Vietnam. Speaking to a capacity crowd on April 9th at the Ackerman Ballroom at UCLA, he delivered a scathing indictment of U.S. policy in South America, and argued that it is our moral responsibility to act now to protect innocent lives in Nicaragua and El Salvador.

Although the topic was South America, his discussion of U.S. policy included analysis of the recent U.S. naval skirmish off Libya and the 1962 USAF bombing of South Vietnam. The audience was receptive, and applauded enthusiastically whenever Chomsky let fly at Reagan ("He probably doesn't understand what he is reading off the cue cards...[applause] I mean that literally, not as a joke.") or at U.S. conceptions of propriety ("We ought to be concerned when people can get up and say without ridicule, 'We've got to contain the threat from X', when X is a tiny, weak country."

Over the past century, the U.S. has intervened with force in the Dominican Republic, Haiti, Cuba, Nicaragua and Guatemala in order to keep American-influenced governments in power. In fact, says Dr. Chomsky, the early actions against the American Indians by European colonists could be considered the earliest example of use of force to further U.S. interests in a subject land. When such an incident is analyzed-if everit is usually regarded as some kind of weird error, in which the U.S. somehow did not live up to its ideals. Strangely enough, these errors turn out to be beneficial for U.S. business. Chomsky's explanation of U.S. behavior involves the observation that only people or groups with large resources can influence the government, and that the major powerful groups are business organizations; thus

minded governments.

Chomsky argues that our allies in South America are as much under American influence as Eastern Europe is under the Soviet Union's. Just as looking at Eastern Europe shows what the USSR does to its client states, looking at South America shows what the U.S. does to its. Two of our allies-El Salvador and Guatemala-have won the Council on Hemispheric Affairs' award for Worst Government of the Year for the past six years, having killed 150,000 of their own citizens; second place went to the American-backed Contras. In 1978 and 1979, Somoza's regime in Nicaragua killed 50,000, and was backed to the end by Jimmy Carter's administration.

According to a recent Oxfam report, only in Nicaragua has any substantial effort been made on improving the education and health services available to the common people. The Boston Globe recently stated that few U.S. officials believe the Contras can actually bring down the Sandinistas; they are content to see that money that was to have been used for Nicaraguan social reforms is wasted on defence. Think about that; it implies that the U.S. feels threatened enough by these social reforms to work to prevent them. The title of the Oxfam report suggests the reason: "The Threat of a Good Example." Chomsky, like Oxfam, feels the threat is that impoverished people in other countries might see the reforms in Nicaragua, and start agitating for the same-and popular unrest could cause the overthrow of governments cozy with the U.S.

On the subject of aid to the Contras, Chomsky asserts that the Administration has already sent \$20 million this year (during the Honduran "invasion"), and can send sufficient aid by pathways not open to scrutiny; the only reason there is a vote in Congress at all is that Reagan wants an endorsement of the *concept* that the U.S. has the right to use force to intervene at will. The debate in Congress has mostly been on the effectiveness of the aid; there has been very little debate on the real issue-thus Reagan will probably get what he wants.



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government tends to look after business interests. Much of the U.S. intervention in the area, says Chomsky, was in direct response to perceived threats to American business from independently-



THE CALIFORNIA TECH

FRIDAY 18 APRIL 1986

nside Worl

Blacker: It was a dark and stormy night. Don Johnson was cool. Suddenly, the Black Hand appeared over the horizon. Jimbo struggles valiantly before breaking down completely before the Master; the three little pigs did their job well. Sorry Nancee...

At the stroke of midnight, the Wars began. Let's all try to remember that ammonium iodide can be harmful to you and those you live with. Have you opened your closets lately? You might find them Alarming, more so than the late thing on the floor.

Those of you who are celibate should not come to our Espionage Dance, but all others are welcome to stuff their faces. And if we're lucky, maybe Rich Letterman will introduce his friend Bob. Thanks for the bike tip, whoever.

-ArexDabney: Due to technical difficulties, Dabney House continues to exist. Top scientists are working round the clock to correct this problem.

Fleming: Well, the results of Chaz's vote are in, and it seems that Konstantin just squeaked past Parkinson in heavy voting. ALthough exact numbers are not available yet, the general trend is:

Konstantin	 Heaps and gobs
Parkinson	 Lots and lots
Vito	 Quite a few
Bineet	 Several

In fact, many of the above even voted for themselves. Several times, if actions do indeed speak louder than words.

As far as Interhouse basketball goes, we edged past the Moles last friday, and being in an edging mood, edged past the Boys in overtime Monday. Ricketts lost.

Did I say "edging mood"? I think maybe "edgy mood" is more accurate. After bending over backwards to keep everything within regulations and then getting raped from behind by Page and Mudd in quick succession, all we can do now is rub out asses and wonder. Wonder when our cannon is coming home and how long our self-control can hold out. Because pride is a hard thing to swallow and an even harder thing to keep down. So let's just hope that there's a little cannon returning action here pretty soon. Before things start to get out of hand.

The trip to Magic Mountain is Saturday, so get your tickets from the Cheese and then go and try to forget for a day.

The tennis ladder is up, so let's see some challenging action. Juniors rule. Especially in Indoor Olympiad. Followed by the Seniors, the Sophomores, and finally the Frosh. I guess the Frosh finally finished the relay, with Burly eating Slovik's, uh, meat. There's nothing quite like watching a highly trained athlete perform.

Until next week . . .

–Al Fansome

Page: It's been quite an explosive week in Page House. The "powers that be" thought Page should reaffirm its belief in Vito and, much to their chagrin, Vito even managed to defeat President Reagan in an approval rating. Congratulations to Vito and President Reagan for their integrity.

Wild surfer punk, H2O polo stud Dügen Leanard takes the helm of V.P. of Page. Konstantin Othmer and Dave Parkinson are now devoting all their time to make the world safe for democracy.

This week's election is for Little Red Fairy. There were many nominations, but the final candidates, listed from favorite to underdog (and dumbest) are:

Ed "Blue-lip" Zanelli

Charlie "No-neck" Miller

Brian "Done the Math 5 yet, Jimbob?" Daniels Send your ballots to CHAZ LICKS RAMBO'S ASS 1-53.

The party with Ruddock was a great success. We didn't see Ed there; rumor has it he spent the first part of the evening in Winnett. [We didn't see him there either-Eds.] The latter part of the evening is still unaccounted for.

Two weekends ago, members of the RAMBO CLUB won trophies for defeating the Cong at Sad Sak's War Zone. Last weekend, although outnumbered 42-25, they aided the Western Regional Champion NO NAMES team and defeated their opponents four out of four games. Will members from Caltech's Rambo team participate in the Survival games national championships?

Be sure to watch TIC-TAC-DOUGH at 2:30 today and Monday. Just remember, "They can kick me out of Page, but they can't kick the Page out of me!"

-The Probation Officers

Ricketts: They just don't make 'em like they used to. A group of noisy pests seems to have infested the area under Ricketts Hovse. They gnaw on concrete and wear funny hats. I think that one of them is named "Glenn". The enterances to their nests are about one foot in diameter and they are usually located in thick concrete walls. If you spot any of these, plase contact Nancy at the Housing Office for immediate action. News Flash! In case you're in doubt, the Supreme Court has ruled that the tomato is a vegetable. Many people don't believe me when I tell them this, but it really is true, gosh dang it! Last night, Ricketts and Blacker showed their committment to increased interhouse activity by trading delicious desserts for potatos in silver foil wrappers. Bravo!

New invention of the week: Instead of carrying around one of those stupid fake beepers so you can get away from people you don't like, try my new invention-the Bogus Radion Badge and Warning Device. Just depress the secret button, and your badge will start a loud warning siren and red flashing light, indicating highly dangerous radiation levels. Not only can you quickly slip away, you will also make the slime you're trying to get away from afraid to have children.

Beep Beep Beep!

LETTERS

Santarsiero, Steve McAdams, and

the Star-News. The Tech appreciates Mr. Zanelli's clarifica-

tions, but denies his allegations that

we engaged in libel or otherwise

from page 2

Ruddock: Birth announcements first:

Eigen's a mommy now. She had 4.6 kittens on April 16. The seniors are finaly getting it together. Saturday is the long awaited and just a little late 56-day drink off. Alley 2 (the peach lovers) has challenged alley 5 to feats of skill and daring. Alleys 3 and 1 are still waiting to play off their cookie bake off. In case you hadn't realized this weekend is prefrosh weekend. Welcome Alice & Amy!

The social event for this week could be a beach trip if the sun be shinin'. Last week's social event (the party with Page) was an awesome success. Way to go, E.T.C.!

The Ruddock basketball Machine rolled over Ricketts, Dabney & Lloyd this week. Stay tuned for further word of the Budd's skill & prowess. -Butch

> deliberately distorted the truth. All things considered, it would

have been nice if Mr. Zanelli were available the three times I tried to contact him; better still if he had just responded to the note I had left on his door. The inclusion of his information would have made a better article.

Off-White

from page 1

-Saxy

Smith and more recently, the adorable Katerina Lycheva.

"I propose literally using children as the peace keepers. Bub. bly, enthusiastic, bright, talented, photogenic and well meaning 12 year old girls could be loaded into low temperature orbital storage containers.

"In time of Russian missile attack, the little darlings would be loaded into hyper-velocity railguns and accelerated to around 10km/sec. Impact of a roughly 40kg child at 10km/sec with an incoming missile would utterly waste said missile.

"This ends my proposal. Thank you."

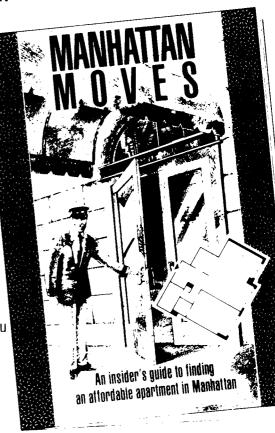
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To welcome potential new residents to the city, and dispel some myths about housing in New York, we have published a book called "Manhattan Moves" It's the ultimate insider's guide to apartment hunting in the Big Apple.

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The book gives you inside



TEACH IN JAPAN

Persons with a degree and job-experience in such fields as advertising, publishing, engineering, business administration, pharmacology, linguistics and languages wishing to teach English to Japanese adults for one or two years in Tokyo and other parts of Japan should write to:

Personnel Director International Education Services Shin Taiso Bldg. 10-7, Dogenzaka 2-chome, Shibuya-ku Tokyo, Japan 150

We are tentatively scheduling interviews in Seattle, San Francisco, Chicago and Boston in May, June and July 1986.

Further information on the position, qualifications, salary, benefits, transportation and housing can be obtained by airmailing a detailed resume with a recent photograph to I.E.S.

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The author of this column and the editor of this newspaper, after lengthy negotiations with representatives of, among others, the National Panel on Community Services, the East German Fraternal Society of Police Officers, the Presidential Commission on Urban Renewal, the Automobile Club of Nebraska, the North Atlantic Treaty Organization Central Strategic Planning Committee, the American Direct Marketing Association, the National Security Agency, Rick's Liquor Mart of Philadelphia, and the Florida Advertising Council, have arranged for the column previously entitled "Dabney House's Inside World," which has for the last several weeks been of a serial nature, to be moved to this space. As a result, the series of articles which originally occupied this space, which started several weeks ago ("Amber" and "Chapter 2: The Gathering Storm"), and which caused much embitterment and confusion, will not be continued. This is not an admission of guilt.

Paid Advertisement HARPSICHORDIST AND **BASS-BARITONE CONCLUDE PUBLIC EVENTS' SEASON**

Renowned harpsichordist Malcolm Hamilton will perform in recital Saturday evening at 8 P.M. in Ramo Auditorium. At the turn of the century, Pasadenans would likely have enjoyed the creativity of Bach, Handel and Scarlatti. Mr. Hamilton, regarded as a leading interpreter of the baroque period, honors Pasadena's Centennial with this special program.

Sunday brings Jacob Will, bass-baritone of the San Francisco Opera, to Ramo Auditorium at 3:30 P.M. His appearance marks the conclusion of the San Francisco Young Artists in Recital series at Caltech, which featured the rising new stars from the opera.

Mr. Will's program features the works of Purcell, Brahms, Mozart, Quilter, Ibert and Ives.

CIT student rush tickets for \$5.00 each are available today for both of these performances. Caltech student ID required (limit 2 rush tickets per ID).

The Wells Cathedral Choir and Chamber Orchestra make their only Los Angeles area appearance Thursday, April 24 at 8 P.M. in Beckman Auditorium. Concluding a successful world tour, their Caltech program includes the music of Gibbons, Weelkes, Byrd, Okeover, Philipps, Haydn, Mathias, Walton, Britten and J. C. Bach. Consisting of 16 boy Choristers and 10 Gentlemen of the Choir, the Choir's history dates back to the year 1136. The Gentlemen still reside in the Vicar's Close, a medieval street, which was built for them in the 14th Century. Tickets are priced at \$7.00; Caltech student tickets are \$5.00 each. Next weekend brings the annual Coleman Chamber Ensemble Competition to Ramo Auditorium. The competition, held on Saturday, April 26, is open to the public, free of charge. The Winners Concert will be held on Sunday, April 27 at 3:30 P.M. in Ramo Auditorium. Participants from across the country compete for prizes totaling over \$9,000. Student tickets to the Winners Concert are \$3.00. Tickets can be purchased at the Caltech Ticket Office, located just north of the Beckman Auditorium parking lot. Call campus extension 4652 for further information.

For the benefit of readers joining us for the first time, here's a summary of-

The Story So Far:

In late 1985, Dabney House, a little known "upstart" undergraduate House at the California Institute of Technology, raised a huge amount of venture capital with which the House acquired Beatrice Corporation, at the time a very large congolmerate of companies. The House immediatelv fell into a period of dictatorship, in which it stayed for about twenty years.

Within the first few years of the twenty-first century, however, major reorganizations at the highest levels of the House government lead to a restructuring, with Dabney ultimately becoming what is commonly known as a Corporate Republic. (In fact, most political scientists believe that this stage in the House's history was the model Corporate Republic on which all subsequent examples were based.)

It wasn't long, however, before major external events shook the stability of the House and its effectiveness in a changing market. The DOS Trials of 2012 led to a revitalization of the Corporation's already popular alternative command processor, but increased sales were not without their price in human suffering. In addition, the Undergraduate Division underwent the largest one-week drop in the Dow-Jones Academic Averages during early 2015, which left analysts and educators concerned for months.

The single largest problem, however, was in 2021, when House Security Adviser Larry J. "Bud" Hansen brought to light a plot to undermine the DarbCard™ services offered by DabniBank, a subsidiary. The conspiracy, headed by Dr. James Xi, threatened not only to produce counterfeit Darb-Cards, but to invade the DarbNet computer system using a program called VisiGoth[™] to defeat the DarbCard validation systems.

To defend itself against Dr. Xi's scheme, the House enlisted the services of Patrick J. Wayne, one of the House's top operatives in Europe. Wayne went immediately to Xi's Cambridge headquarters, spent several days gathering intelligence, and finally confronted Xi in his very command center. However, the Brach's Candy Display proved overpowering, and Wayne was knocked unconscious. Xi, ever looking for a more evil solution to a problem, took Wayne to the Hill of Death, a tribal ritual ground in the Central American wilderness.

After a bizzarre and wacky ceremony, involving American game show idioms from the late twentieth century, Wayne was put into a terrifying hypnotic trance and forced to ride up the Hill of Death on a bicycle in clear violation of [Title-Relevant Phrase] sections 21201(c) and 21205 of the California Vehicle Code.

--And this is where the story stands. Stay tuned for further developments.



FRIDAY 18 APRIL 1986 5

[CNB]-Dr. Gerald J. Wasserburg, John D. MacArthur Professor of Geology and Geophysics at Caltech, has been awarded one of the scientific community's most prestigious honors, the 1986 Crafoord Prize of the Royal Swedish Academy of Sciences. He will receive the award and Crafoord gold medal from King Carl Gustaf of Sweden in a ceremony at the Academy on September 24, in Stockholm. Dr. Wasserburg shares the prize of approximately \$138,000 (1,100,000 Swedish crowns) with Professor Claude Allegre of the University of Paris.

The Crafoord Prize is financed thorugh the Anna-Greta and Holger Crafoord Fund, established in 1980 by the late Swedish industrialist Holger Crafoord, who initiated the manufacture and development of the kidney dialyser. The award is annually

rotated among outstanding scientists in the fields of mathematics, astronomy, geosciences, biosciences, and polvarthritis.

In honoring Dr. Wasserburg, the Academy cites his "major impact on our knowledge of the universe, focusing on the origins and history of the solar system and its component bodies. His work has established a time scale for the development of the early solar system and the formation of the planets, the moons, and the meteorites.'

Dr. Wasserburg is internationally recognized for his pioneering research in isotope geology; for his work as director of Caltech's "Lunatic Asylum," a world-renowned center for the study and analysis of moon rocks, meteorites, and particles from interplanetary space; and for his counsel toward development of the U.S. space research program.

0t Despair

by L. Bruce Kahl, M.D. Special to the Tech

ge

As you make your way through the mountains of Math and Physics problem sets, laboratory work, field trips, requirements upon requirements, moving from night to night, quarter to quarter, and year to year, do you think much about how you will use all of your hardearned knowledge, how you want to spend your days after graduation? Do the "how's" of these questions reflect any consideration of the massive nuclear buildup in the world, the imminent danger to all of civilization and your own capacity to continue or alter this

state of affairs?

Or have you decided that it's hopeless anyway and that your best bet is to go for big bucks now, get the BMW or Mercedes, the house and the vacation condo, and let all of "them"-the current international military power brokers - make the decisions about nuclear weapons because they know better?

Do you think about nuclear war much or do you simply deny that it could happen to you? Do thoughts of speaking out against nuclear arms buildup make you feel you're some sort of weird extremist? Do you despair that you're trapped on a sinking ship-the planet earth-and that your life is rendered meaningless by the threat of nuclear war?

The above questions and many others will be explored during a workshop entitled "Walking on the Edge of Despair: Finding Meaning in the Nuclear Age." The workshop, jointly sponsored by the Caltech Counseling Service, the Caltech Y, the office of the MOSH, the Dean's office, and the office of the Vice-President for Student Affairs, will run 51/2 hours over two days, April 24 and 25, and will be presented by David and Madelaine McMurray. Dave McMurray is a clinical psychologist and director of Counseling Services at Humboldt State College; Madelaine McMurray is an artist and Jungian therapist.

The workshop will use film, slides, readings, group discussions, and feeling exercises to explore perceptions and reactions of participants regarding nuclear holocaust. Attention will be paid to the "going 1st class on the Titanic" mentality many young people have developed in the face of this massive threat; i.e., that confronted with devastation of life as we know it many people assume a short-term focus on their lives, opting for their own material success over a sense of a longer term and broader focus which takes the welfare of society-and civilization-into consideration. The workshop is open to all graduate and undergraduate students plus faculty and staff of the Institute. The workshop will run Thursday evening, April 24, 6:30 to 9:00 pm and Friday morning, April 25, 8:30 to 11:30 am. There is an enrollment limit of 30 participants, so call now to reserve a seat. For more information call Marie Robles or Bruce Kahl at x6393 (Counseling Service), or Robin Wilson at the Caltech Y, x6163.



Happy Hour Monday and Tuesday

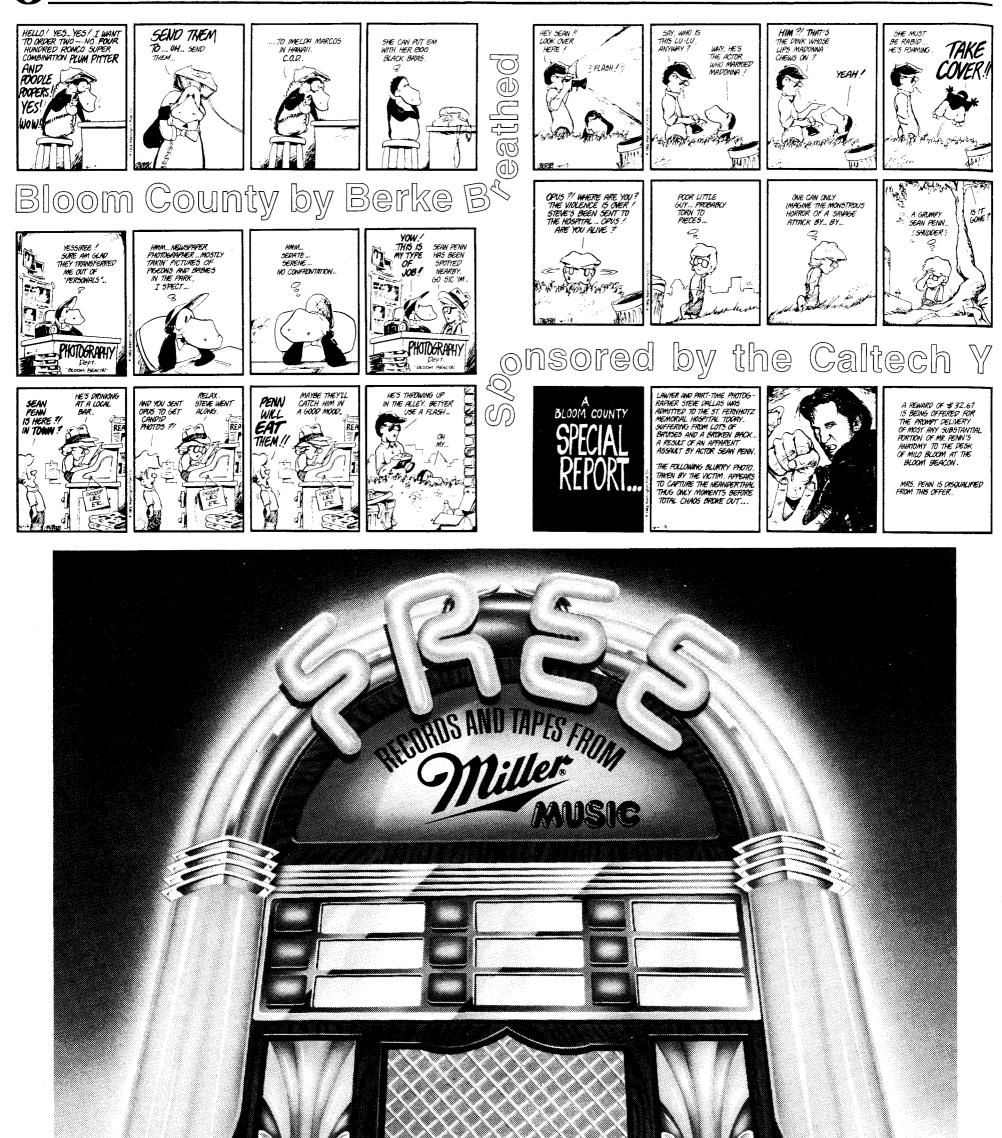
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FRIDAY 18 APRIL 1986



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MADE THE AMERICAN WAY.

THE CALIFORNIA TECH SPORTS Track Teams Break Records

by Steven E. Lodge

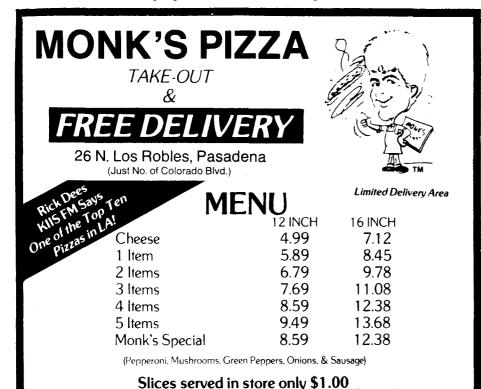
The Caltech track team competed against Whittier and Pomona last Saturday. The women's track team set new school records in the 400 meter relay and in the 1600 meter relay. The 400 meter team consisted of Dee Morrison, Trina Juzang, Jarita Holbrook, and Yvette Madrid, who ran the relay with a time of 61.67 seconds. Madrid, Morrison, Juzang and Katrin Rodriguez composed the 1600 meter team that finished in 5:53.42 seconds. In the long jump, Holbrook and Juzang came in fourth and fifth respectively. Madrid placed fourth in the 400 meter event. In the 100 meters, Holbrook finished in third place with a new school record of 14.61seconds and was followed by Juzang in fifth. Holbrook also placed fourth in the high jump, Morrison mustered a fifth place finish in the havelin and a fourth place position in the discus. Dee Morrison also placed third in the shot put with 26'9". Rodriguez came in fifth in the shotput, seventh in the javelin, and fifth in the discus. Juzang did the triple jump for third place and a school record of 29'6.5". Juzang set another school record in the 200 meter event with a time of 31.03 seconds. A special mention goes to Dee Morrison for competing in two running events and three throwing events.

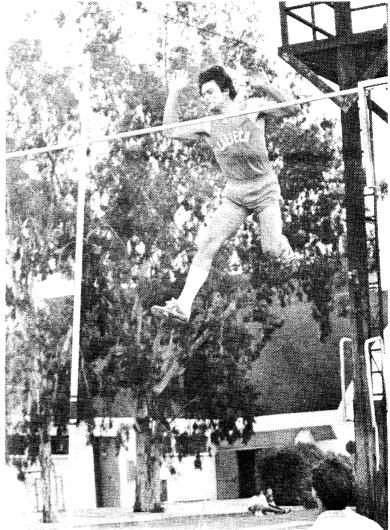
On the men's side, no new school records were set but several personal bests were made. John Gehring won the 5000 meter race with 16:12.40, a personal best. John scored another winand personal best with a 4:10.94 in the 1500 meters. Hillyard, Penn, and Lee also competed in the 1500 meter event. Lee and Penn came in third and fourth in the 5000 meters. Alex Athanasopoulos won the 400 meters in 52.00 seconds for a new personal best. Ray Hu and Todd Kaplan each scored personal bests in the 3000 meter steeplechase. Dave Gallup won the pole vault with a new personal best of 13 feet. Smith finished third in the pole vault. Edward Mao competed in the shot put and the discus. Caltech was represented in the long jump by Inada, Schoffield, and Robby Dow, who finished third through fifth respectively. Other members of the track team who participated include Ghani, Davila, Tetzlaff, Bloomberg, Haba, and Smith. Haba reached the 6'0" mark in the high jump.

There will be another track meet at Caltech this Saturday beginning at 10:30 am.



The Caltech Baseball Team standing together in a row and smiling.





Dave "bitchen" Gallup blowing away the pole-vault Saturday



The Caltech Tennis Team standing together and smiling.

Superstrings

from page 1 ly to solve everything. Previously,

The superstring theory also rectifies discrepancies between fermions, which obey the Pauli exclusion principle, and bosons, which "love to be in the same state," according to Gell-Mann. This situation is called a "supersymmetry," and is violated the existence of the strings, hence the "super-" part of the strings. In 1984, it was found that only two systems of symmetries could work within the framework of the theory. It turned out that each system had 496 (31x32/2) symmetries; this, according to Gell-Mann may be the reason that only hundreds of low-mass combinations of superstrings can exist, rather than an infinite number. Have they found the Holy Grail?," Gell-Mann asked, "Only calculation and experiment will tell.' Experiment will be a difficult process because of the energies involved with superstrings. It was originally thought that these phenomena could have an energy of around one GeV. It is now believed, according to Gell-Mann, that 10¹⁹ GeV would be necessary to study superstrings.

Pepperoni, Sausage, Mushrooms, Onions, Green Peppers, Ham, Pineapple, Beef, Olives, Jalapeños, Anchovies, Extra Cheese, Thick Crust. All Pizzas Made to Order with Only the Freshest Ingredients; 100% Pure Dairy Mozzarella Cheese, and Our Own Private Sauce Recipe. All Prices Include Sales Tax. No Surprises HOURS CALL 304-9234 Sun.-Thurs. 11:00-1:00 AM Fri-Sat 11:00-2:00 AM MONK'S MONK'S 16" PIZZA 2 ITEMS OR MORE PIZZA SPECIAL (Limited Delivery Area) (Limited Delivery Area) (Limited Delivery Area) . (1 COUPON PER PIZZA) (1 COUPON PER PIZZA) (1 COUPON PER PIZZA)

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it had been thought of as a way to relate quantum chromodynamics (QCD) and quantum flavor dynamics (QFD).

QCD and QFD describe the forces encountered between particles according to their "color" or "flavor." These forces are found between quarks, which have six "flavors;" up, down, strange, charmed, truth, and beauty; and three "colors," "red," "blue," and "green". Quarks assemble in different combinations to form different particles, like protons and neutrons.

Some of the great plagues of quantum field theory have been infinitely large corrections of finite terms, but they may now be done away with by superstring theory. "There are no infinities at all (in the theory)," said Gell-Mann This would eliminate the need for "renormalization," also known as "sweeping under the rug;" this process assigns finite values to infinite terms.

WHAT GOES

Master's Tea

All undergraduates are cordially invited to the *Third-term Master's Tea* on Tuesday, April 22, 2 to 4 pm in the Master's office. Come and munch your way through chocolate, sugar, cream, butter, and hang the consequences.

Summer Housing

Summer housing information and contracts are now available in the Master's Office and Housing Office. Deadline for returning contracts to the Master's Office is May 16

Grad Housing Rates

Housing rates appearing in the 1986-87 Graduate Student Housing Options Information Packet have been adjusted and are substantially lower, as follows

On-Campus Graduate Houses \$7/day for a single room (\$210 for a 30-day

month). \$7.33/day for a suite room (\$220 for a

30-day month). Catalina Graduate Apartment Complex

(four-bedroom apartments) \$8.26/resident/day for a single room (\$248 for a 30-day month).

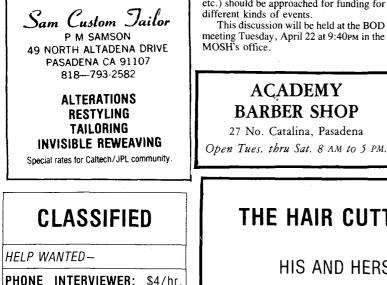
Catalina Graduate Apartment Complex II (two-bedroom apartments) Two residents: \$9.16/resident/day for a single room (\$275 for a 30-day month) or Family: \$18.32/day for the apartment (\$550 for a 30-day month).

Please remember that new incoming Graduate Students who submitted housing applications by April 15, 1986 will be given first priority. All other Graduate Students are to return housing applications by May 1, 1986. If needed, a lottery will be held at that time. Any applications received after the lottery will be assigned on a space available basis by order of date received.

If you have any questions, feel free to contact Linda Chappell in the Housing Office (x6178).

Off-White Paper T-Shirts

Now, you too can own one of the fashionable "Off-white Paper" t-shirts. The Space Weapons Study Group will provide you with one of these sturdy, colorful (tan, gray, light blue) 100% cotton souvenirs of the Off-white Paper Contest for ONLY \$8.00! But wait . . . order now and get a free anti-Star Wars poster at no extra charge! Send your name, mail code, size (S, M, L, XL), color selection, and check (made out to Space Weapons Study Group) to Cindy Strong, SWSG, 127-72. (First color choice may not be available.)



± 15 hrs/wk. Drug Abuse Preven tion Rsrch in Pasadena. Contact: Eileen Mori or Carmina Sobrepena (818)405-0472.

STUDENT/RESEARCHER with ex-

GSC Penthouse Party

A penthouse party presented by the GSC, Division of Biology, ASCIT and Kinnin & Kochik Enterprises will be the happening scene on this Saturday night, starting at 8:00 pm. The theme of the scene will be "Hawaiian Luau" and so Hawaiian dress is the rad thing to do. It will occur in the penthouse of the Spalding Business Services Building. The "Inland Empire's hottest new wave band", The Conservatives, will be featured. Come and get stoked. This event is free and open to anyone who wants a good time

Well, Me For One...

Who's Afraid of Virginia Woolf, the classic study of faculty life at a small town university by Edward Albee, will open April 18th in Winnett Lounge. Tickets are on sale at the Ticket Office, \$6 general, \$4 students.

Walking on the Edge

On April 24th and 25th, David and Madeline McMurray of Humboldt State University will present a workshop focusing on the impact of living with the reality of imminent nuclear war. The workshop, entitled "Walking on the Edge of Despair: Finding Meaning in the Nuclear Age," will deal with issues such as: short range vs. long range thinking and planning as influenced by the nuclear threat; what it may mean to raise a family under these circumstances; what it can mean to choose a scientific career under the same; the impact of the nuclear threat on the social awareness of individuals.

The workshop is enrollment-limited to 30 participants, to include students, staff and faculty, so call now to reserve your place as of this writing, the workshop is about half full. The workshop will take place Thurs-day evening, April 24, 6:30 to 9:00 pm, and Friday morning, April 25, 8:30 to 11:00 am.

For further information or to make your reservation, please call Bruce Kahl or Marie Robles at the Counseling Center, x6393, or Julie Bolster or Robin Wilson at the Caltech Y, x6163.

BOD on Club Budgets

One of the items which shall be discussed during the next ASCIT BOD meeting shall be proposed changes in the way the BOD currently budgets money for clubs and other activities. Proposed changes include dispensing with a large budget meeting at which clubs are allocated money for the entire year, and instead considering each event as it begins to be organized. This would be accompanied by a coördinated effort to identify what sources (Deans, MOSH, ASCIT, etc.) should be approached for funding for different kinds of events.

This discussion will be held at the BOD meeting Tuesday, April 22 at 9:40рм in the MOSH's office.

ACADEMY

BARBER SHOP

C*L*A*G*S

Come watch Taxi Zum Klo, eat munchies and find out what CLAGS is doing for the rest of the year. The place to be is the Y Lounge, Monday at 8 p.m.

CCF Meeting

Come and join us tonight at 7:00 pm in 210 Thomas. We'll be having a fun activity and a time for sharing. "And let us consider how we may spur

one another on toward love and good deeds. Let us not give up meeting together, as some are in the habit of doing, but let us encourage one another-all the more as you see the day approaching." (Hebrews 10:24-25)

On May 2nd, there will be an Amy Grant concert. For tickets (\$16.50) and info call Eric at x3761. Please call soon (before Sunday, April 20).

Plant & Bake Sale

To all Caltech students: The Service League is here to help, so please be there to support our fundraising Plant & Bake Sale on April 25, Winnett Patio, 8:00 am to 1:00 pm. Thank you.

Waltzers Unite!

Enjoy dancing? Ever wanted to learn to waltz or polka? Come to a waltz and polka dance on Saturday, April 19, from 8 pm to 12:30 am in Dabney Hall Lounge. Refreshments provided and no admission charge. Sponsored by the Caltech Y and MOSH

Sulim Khan Regrets...

I won't be able to help in organizing the Squash Club anymore, due to academic time constraints, but would be grateful if someone else would carry on the organization from her on. If you are interested, please give me a call or drop me a note: Salim Khan, 1-89, x6078, or 354-0719.

Summer lobs

The Alumni Association, in conjunction with the Career Development Center, has generated some summer job possibilities. These positions are *currently* available, so if you are interested in summer employment, you should come by the CDC as soon as possible. We expect to have more jobs available so please check with the CDC (Room 8, Parsons-Gates) on a regular basis.

Passover Seder

A passover seder for students, faculty friends and families at Caltech will be held Wednesday, April 23 at 6:30 pm in Chandler. The seder which marks the first night of passover is an annual event spon-sored by Hillel Extension and is led by Rabbi Michael Perelmuter.

The catered dinner will be kosher and costs \$13.00 for faculty and staff, \$8.00 for students, and \$6.00 for children under 12. Those interested in attending should send a check payable to "Hillel Extension-Seder", 900 Hilgard Avenue, Los Angeles, CA 90024.

In addition to the seder, a shabbat service is planned for May 16 in the Y Lounge. Those wishing more information about the seder or other Hillel events should call (213) 208-4427.

Summer In A Grad House

Summer housing information and contracts for the On-Campus Graduate Houses (Braun, Keck, and MJ Houses) is available in the Housing Office. The deadline for returning contracts to the Housing Office is Thursday, May 15.

Thai Traditions Festival

A Thai Traditions Festival celebrating the start of the Thai New Year with art, dance, music and ritual will inaugurate the City of Los Angeles Folk Arts Program as its first major public event on Saturday, April 26, from noon to 5 pm in Barnsdall Art Park, 4800 Hollywood Boulevard (just west of Vermont-a direct bus ride from San Pasqual and Lake on the 181, for those without cars).

The afternoon program is free and will also include demonstrations of Thai classical painting, vegetable carving, dancing, sword fighting to music, and kick boxing. Ten fodo booths with traditional Thai delicacies not available in restaurants will be prepared onsite and sold at very reasonable prices.

Opening ceremonies begin at noon with dignitaries to honor community arts teachers.

The event is sponsored by the City of Los Angeles Cultural Affairs Department Folk Arts Program and Councilman Michael Woo, with support from the California Arts Council and the National Endowment for the Arts. For information, please call (213) 485-2433

Job Fair Delayed

You may have noticed that the Alternative Job Fair was not held on the 15th of April, as originally planned. It was re-scheduled for the 13th of May to allow the companies more time to make their decisions whether to participate. Sorry for the inconvenience. If you have any further questions or want to help with organizing the Job Fair, please contact Hasok Chang, 1-59, 578-9414.

Red Door-Open At Last!

The Red Door Cafe is happy to announce firm and confirmed" hours for third term. Open daily, Monday through Friday, from 2:30 to 5:30 in the afternoons, Tuesday through Thursday evenings 8-11 pm. Everyone is welcome and the Red Door needs your support. Stop in for delicious food and drink-become acquainted with our "Brownies du jour"!

Manage Air For \$\$\$

The South Coast Air Quality Management District has several part-time positions currently available. These positions will become available as early as May 5 and could possibly continue full-time through the summer. If you are interested in working for AQMD, come into the Career Development Center (Room 8 Parsons-Gates) and pick up an application and sign up for an interview. Interviews are scheduled for April 25 in the CDC.

Symphony Tickets

Sign up by Tuesday, April 22 for \$5.00 tickets to the Pasadena Symphony on Saturday the 26th. The program features Dvorak, Beethoven and Coriglioni. [They didn't say where to sign up, but try the Y---]

Physicist/Theologian On All

A scholar of international renown for his writings, lectures and research in the history and philosophy of science will be at Caltech on Tuesday, April 22 for a William Bennett Munro Memorial Seminar. Stanley L. Jaki, a Hungarian-born Benedictine priest with doctorates in Theology (Rome) and Physics (Fordham) will speak on 'The Theological Aspect of Modern Scientific Cosmology', at 4:00 pm in the Judy Library (Baxter Hall). Dr. Jaki, who has been distinguished as Gifford Lecturer at the University of Edinburgh, Fremantle Lecturer at Oxford, and Hoyt Fellow at Yale, is currently Distinguished University Pro-fessor at Seton Hall University, NJ. The seminar is part of a series promoted by the Division of the Humanities and Social Sciences, and on this occasion is cosponsored by the Newman Center, with the assistance of the Intercollegiate Studies Institute

Dance Party Saturday

.. from 8:00PM to 1:00AM in Chandler Dining Hall. Admission is \$6.00. Sponsored by the Caltech Asian Community. Come and have fun!

Renaissance Faire

It's time again for the Renaissance Pleasure Faire in Agoura! Come one and all for great food, entertainment, costumes, and wonderful crafts! The Y is selling tickets for \$6.50 (they normally cost \$12.50 at the gate). Tickets are good for any weekend from April 19 through May 26! Transportation may be available.

Another Final Offer

The Poetry Workshop that meets in the Y Lounge on the second and fourth Tuesday evenings of each month now has copies of its book Another Final Offer. They are on sale for \$2 (cheap) and are available in the Y Office. New members are always welcome. Bring your poetry to share.

Italian-American \$\$\$

Undergraduate scholarships and graduate fellowships are available to Italian-American students. Please stop by the Financial Aid Office, Room 10, Parsons-Gates, for additional information or write to:

The National Italian American Founda tion, Educational Scholarship Program, 666 11th St. NW, #800, Washington D.C. 20001, Attn. Dr. Maria Lombardo, Education Director. Phone (202) 638-0220. Application deadlines are between May 9 and May 30, 1986.

Bus Passes

If you ride the bus a lot, and are a fulltime undergrad, you can get a bus pass good for unlimited non-express fares for \$15 per month, plus \$1 initial fee. To get it, you need a 1" by 11/4" non-returnable photo, something from the registrar indicating you're really here, and a form which also ought to be at the registrar's office. You have to do all this twice a year, but it's cheap if you ride the bus very often. The form will tell you where to get the pass itself. Still con-fused? Write RTD, Los Angeles, CA 90013.

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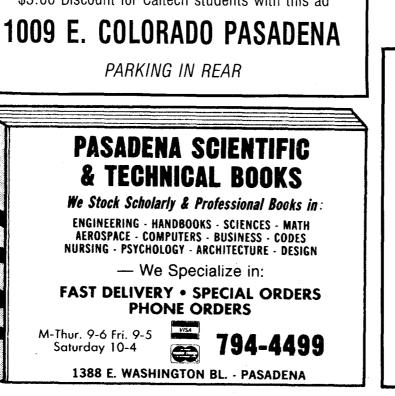
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