



Instilling Pride in Our Black Community

Michael Dyson Visits Caltech

by Edray Goins

A friend and I waited, rather impatiently, for him to arrive. Stanley Grant and I were to meet him outside the Red Door Cafe at 1:30 PM, along with Professor Douglas Flammig, and discuss our current research in African-American history. I looked at my watch, then towards Fleming House, and saw them returning from their lunch meeting at the Athenaeum. Dr. Flammig dwarfed him physically, although the shorter guest was the big man on campus. We would finally meet Dr. Michael Eric Dyson.

Through the valiant efforts of Danny Howard and Jean Andino, Dr. Dyson was invited to spend

four days at our institute and speak with us on Friday night, April 22, about contemporary problems in black America. This tenured professor of Afro-American Studies at Brown University in New Jersey is an ordained Baptist minister, has lead his own church, written two books, appeared on the Oprah Winfrey Show twice, lectured at universities across the country, and occasionally writes articles for Rolling Stone magazine. He just happens to be only 36 years old.

Michael Dyson's career is a true success story. After growing up in the ghettos of Detroit in the 1970's, he was a teen father at the age of 18. Although he did not enroll in college until age 21, he

earned a bachelor's degree in philosophy, a master's degree and doctorate in religion, and became a full, tenured professor by 35. Ironically, Dyson was the first in his family to go to college.

Recently, Dr. Dyson testified before the United States Senate on behalf of Gansta Rap. Along with Representative Maxine Waters of South Central Los Angeles, but against celebrities such as Dionne Warwick, Dyson defended artists like Dr. Dre and Snoop Doggy Dogg in their reasoning behind using explicit lyrics. He understands that these artists are merely products of the societies they live in. Although he disagrees with calling women derogatory names, Dyson believes that our country should help women by expanding child

care, fighting sexual harassment, and offering more economic opportunities rather than degrading black men who have no power in this country at all.

During his brief stay at Caltech, Dr. Dyson had the opportunity to meet with various groups on campus. The undergraduate community was his host for a few hours, while he had dinner in Fleming House on Thursday night. Members of the humanities department had lunch with him on Friday, and even the National Society of Black Engineers had a chance to discuss hip-hop music, toss around a football, and reminisce about childhood experiences at their Black Student Family Reunion that Saturday.

Perhaps the highlight of the

weekend was his speech on Friday night at 8 PM. Although the turnout was small, the thirty persons present enjoyed an evening of political commentary, subtle jokes, powerful statements, and insightful conclusions. His talk on "The Crisis of Urban Contemporary America" stirred up many emotions. The audience fell dead silent when he recounted an experience with police harassment.

"White folk look at black folk and say 'You're abusing your children. Stop doing that!' They call 911 when they see you abusing your child. I know; someone called 911 on me. They stopped me. I was spanking me child in the privacy of my own car. It was not too private, obviously.

SEE DYSON, PAGE 11

The 1994 Don Shepard Essay Award

by Denton Holland

The Don Shepard Award, sponsored by the Residence Life and Master's Office, was established by the late Larry Shepard in memory of his son, Don, a former Caltech student. The intent of the award is to enable students who have little or no funds left after meeting the expenses of tuition and related institute costs to have some fun and to explore new interests or pursue a dream such as theater, music, travel, a hobby, or recreational interests. It is not intended to provide for the necessities of education, like tuition or text books, nor is it intended to be used to pursue purely academic interests.

To qualify for one the prizes, you must submit a typed or neatly and leg-

ibly written essay of about five hundred word essay which describes a program for your social and/or cultural enrichment. The essays are judged on content and style. The awards this year will go to four to six students, and the amount of each award may vary from \$500 to \$1000 depending on the essay. We ask that along with the essay you present us with *an estimate of how much your plans would cost.*

Essays are due to the Residence Life and Master's Office by Monday, May 16th. Winners will be announced the week of May 22nd and will receive checks at the end of the academic year.

The contest is open to freshmen, sophomores and juniors returning to Caltech for the fall of 1994. Remember, the deadline is May 16, 1994.

Fear and Loathing in Electron Microscopy

by John Haba

As part of Caltech's Science, Ethics, and Public Policy Seminar Series, Dr. Nicolas Rasmussen talked about how "The Electron Microscope Becomes a Biological Research Tool," last Thursday, April 21. While the topic may seem dry on the surface, Rasmussen managed to give us glimpses into the dark underbelly of the politics of science. Dr. Rasmussen was an adept and interesting speaker, though he was prone to sprinkling phrases like "synthesis of epistemological orthodoxies" around quite a bit, and sometimes it was hard to keep track of scientists' names without a scorecard. What follows is a brief, John Madden-style summary of his talk.

In the late 30s, many groups throughout the world were working to develop effective electron microscopes. The RCA corporation was working harder than anyone. They brought in Belgian free agent L.L. Marton to build them a big electron

microscope. BOOM! He built one called the RCA Model A. The problem was, it had a big, bulky, leaky vacuum chamber around all the vital components which made it a pain to use and service. RCA wasn't that pleased with Marton's scope, so they brought in James Hillyer from the Great White North to build a better one. BAM! Along with RCA's V.K. Dworykin, Hillyer built RCA Model B. Model B was a huge commercial success and brought in good press for RCA and America during the World War II years. Marton played second fiddle to Hillyer for a little while, then was able to get Stanford to form a Division of Electron Optics with himself as the chief. But, Marton didn't hold the purse strings and he wasn't granted tenure. Marton tried to build a microscope and only allowed himself and his department to use it. Thus, he could get co-authorship on a bunch of biology and chemistry papers. Unfortunately for him, RCA was building a microscope



Cinco de Mayo, the high point of the Semana Latina festivities put on by the newly formed Club Latino here at Caltech, was celebrated yesterday in Winnet Quad by Aztec dancers and musicians.

juggernaut. They had a committee of people who wouldn't allow any one to publish results from RCA microscope use unless the standards they used were up to RCA quality guidelines. In this way, they established electron microscopes as legitimate scientific tools, and they established a self-sustaining set of standards that researchers would use from that time forward. No one wanted to play by Marton's rules, of course. Thus, the final score was: RCA, Dworykin, and Hillyer 1, Marton 0.

Rasmussen also had a strong argument explaining RCA's interest in electron microscopes. While RCA could not hope to sell huge amounts of them, all the prestige and good press gained from electron microscope research gave them a gigantic edge in getting the government to approve their TV system over the several systems being debated at the time. In fact, Rasmussen showed us RCA ads from the 40s and 50s showing electron microscopes and televisions as "leaves" on the same technological "tree." So, it seems as if long

term corporate strategy helped make electron microscopes legitimate scientific tools more than anything else. In the end, once again, money talks.

For more details on this story, and many others in the history of science, consult the pretty decent collection at Millikan Library.

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Letters to the Editor

Del Mar, Chester Liberal Views Disputed

In response to Professor Emeritus Ned Munger's letter in April 29th's issue of *The Tech*, let me update the Caltech community on the status of the proposed traffic signal at the intersection of Del Mar Boulevard and Chester Avenue.

The City of Pasadena approached Caltech in the latter half of 1993 and invited Caltech to buy a new stoplight for the city at the intersection. The Institute initially suggested that, because the city was directly responsible for diverting traffic from California Boulevard to Del Mar as part of the transportation element of its recently updated General Plan, the city should be responsible for installing the light. Even though the Institute took no position on the downgrading of California as an east-west traffic artery, Caltech offered to cost-share up to 50 percent of the stoplight costs, which have been estimated to be \$100,000. The city responded early this year by stating it has no money for such infrastructure improvements and that the stoplight would have to remain a low priority unless Caltech agreed to pay for it entirely.

On February 23, 1994, the city was informed that Caltech agreed unconditionally to pay for the traffic signal. (Shortly before, Caltech had asked the city at least to commit to the costs for relocating the stoplight slightly westward when the Caltech campus entrance envisioned by the Institute's Master Plan is developed in the distant future; the city refused.) This week, the city informed me that it should be ready to proceed with a design study at Caltech's expense, as early as next week. Upon successful completion of that study, Caltech will be in a position to contract the installation job. (Having Caltech do the contracting, rather than the city doing so at Caltech's expense, is expected to save three to four months on the installation.)

Caltech remains concerned about the safety of everyone who goes to school or works on campus, as well as those who visit Caltech or live nearby.

Hall Daily
Director, Government Relations & Community Affairs, Caltech

I would like to differ with Vicki Brown on three points in her article, *A Liberal's View of Homosexuality*, which appeared in last week's issue of *The Tech*.

1) By her expression, "on going to hell or what not<yawn>," it seems to me that she regards the topic of hell as boring. It is my contention that she has spent very little time studying Judeo-Christian scriptures, doctrines, or eschatology. Perhaps if she pursued the matter a little further, she would not dismiss it with a yawn.

2) In her article she states, "There is a diversity of views on homosexuality, and all of them are valid." Should a valid view in an argument be accorded an aside like "yawn"? I think she is being double minded.

3) She appears to promote the view that love can be defined only in humanistic terms. It is my contention that love proceeds from God's heart and is therefore subject to God's restrictions on its expression.

Andreas Feuerabendt

Commentary on ASCIT Change Brings Response

In "A Proposal to Change ASCIT" appearing in April 29th's issue of *The Tech*, Steven Fought makes the distinction between the "character" of the old Caltech student (before 1989) and the "character" of the new Caltech student (after 1989). He then makes the rather peculiar, if amusing, claim that the old Caltech student is one that the faculty thinks would make a good scientist, while the new Caltech student—more the Harvard or Stanford type—is less interested in becoming a scientist.

I ask Mr. Fought to explicitly and specifically name those character traits that distinguish the old Caltech student from the new Caltech student and to explain how these traits determine whether or not a student is likely to be interested in becoming a scientist.

Perhaps Mr. Fought has confused the traditional culture of science with science itself.

Mitra Hartmann
Graduate Student, Neurobiology

Bike Month and Bike to Work Week

Pro-Biking Propaganda

by Riley Geary

For those who might as yet be unaware, May is officially known as Bike Month across the nation (it is also Water Awareness Month and a number of other things both local and federal that need not concern us here) — the point being that people should take advantage of the generally more benign weather conditions prevailing during late Spring to get out into the fresh air(!) for some hopefully healthy pedal-pushing exercise. For the past several years, Pasadena has also designated the third week in May as Bike-to-Work Week, encouraging everyone to at least give some thought to commuting by bicycle as an alternative to the single occupant automobile.

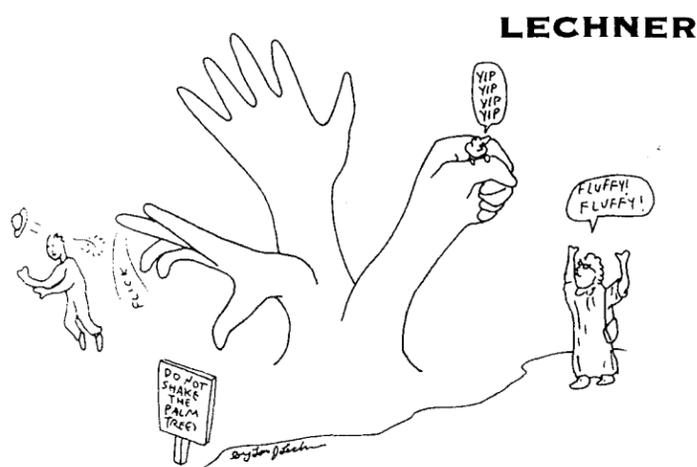
We all know that trying to get people to change their commuting habits, particularly if it involves coaxing them out of their cars, is a rather formidable task even in the best of circumstances. After all, we have been conditioned almost from birth into believing that of all the rights we hold dear, none is more sacred than our "right" to drive whenever and wherever we damn well please — regardless of the consequences in terms of death and injuries, urban congestion, air pollution, resource depletion, or climate alteration. Nonetheless, a moment's reflection should suffice for all but

the most obtuse to reveal that the supposed benefits offered by our autos (speed, status, comfort, convenience) are not only increasingly suspect, but that the associated costs in terms of our physical, financial, and spiritual well-being are also increasing exponentially.

If we have by now properly identified the problem (i.e. too many cars on the road for either our own good or the good of the planet), the solution should be self-evident: each of us must assume some measure of personal responsibility in reducing the amount of driving we do individually. For some that may mean carpooling or vanpooling, for others it may mean taking the bus or a train, but for those of us living within easy cycling distance of work or school (say 5 miles or less), the bicycle is the obvious choice. Like the car, a bike offers an individual the freedom and flexibility to come and go whenever they like, and if properly outfitted with racks and saddle bags, a bike can easily carry most of what is normally hauled around by car (groceries, books, clothes, and even the kids if a trailer is towed along behind). Parking is seldom a problem, particularly if one can take it into one's workspace, and the actual costs of keeping it road worthy are virtually nill compared with the endless

economic drain of operating and maintaining a motor vehicle — not to mention that cycling to work or the store several times a week often obviates the need for other exercise.

Here at Caltech, we have had a rudimentary cyclo-commuting incentive program in place for nearly a year. In exchange for filling out monthly travel logs, participants are eligible to receive guaranteed rides home in the event of rain or other unlikely calamities, earn some small measure of recognition (and gift certificates to a local bike shop) as a Cyclo-Commuter of the Month, and potentially win a new bike or other commuting related products at our annual raffle — currently scheduled to coincide with the conclusion of Bike-to-Work Week on Friday, May 20. Several dozen new bike racks have also been installed throughout the campus to improve parking conditions for those who must still leave their bikes outside. For those interested in exploring further the self-propelled option, we will also be offering a bike clinic in front of Winnett from noon to 1:00 pm, May 16-20 to evaluate any two-wheeled non-motorized machines that might prove suitable for commuting purposes, particularly if they have been left lying around unused for far too long. Likewise, feel free to contact me personally with any questions about the program or bike commuting in general: Riley Geary x6946, 252-21, or riley@bombaygps.



Please send submissions for letters to the editor to The California Tech, Caltech 40-58, Pasadena, CA 91125, or by electronic mail to editors@tech.caltech.edu. Deadline for submissions is Monday at 5pm on the week of publication.

The editors reserve the right to edit or refuse to print any letter for any reason.

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The California Tech

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The Winners' Circle



The Latest on Caltech's Undergraduate Awards and the Undergrads Who Win Them

from the Dean's Office

Fredrick Zeigler Memorial Award

Amalavoyal Chari has been chosen this year's winner of the Fredrick J. Zeigler Memorial Award. Amalavoyal is a sophomore majoring in mathematics and physics. He has performed molecular dynamics calculations on the buckminsterfullerene molecule during his summer research for Professor Tombrello which was part of the Physics 11 program.



Chari receives award for math talent.

This award was established in 1989 to honor Fredrick J. Zeigler, a member of the class of 1976 and an applied mathematics major. The award is given to a pure or applied mathematics student in the sophomore or junior year who has shown excellence in scholarship as demonstrated in class activities or in preparation of an original paper or essay in any subject area.

Deans' Cup, Residence Life and Master's Award

The Deans' Cup and the Residence Life and Master's Award were presented at a luncheon in The Athenaeum on April 26. These awards, accompanied by small cash prizes, are designated for students who demonstrate concern for fellow students with persistent efforts to improve the quality of undergraduate life.

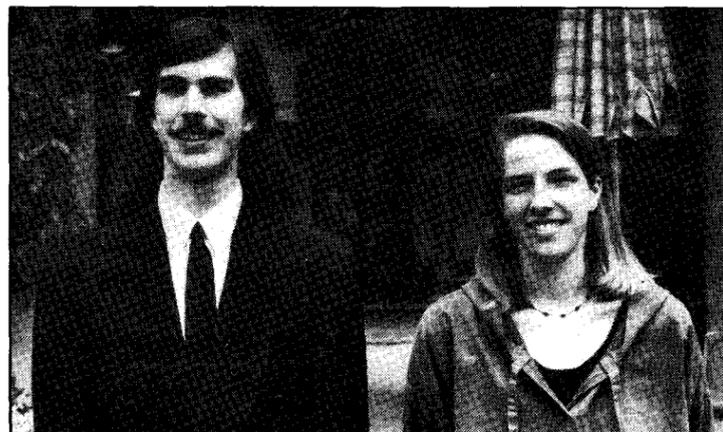
Gisela Rodriguez Sandoval and Cesar Bocanegra each received a 1994 Deans' Cup. Gisela is a junior in Biology and Cesar is a junior in Engineering and Applied Sciences.

Gisela received the Cup for her superb contributions to the Caltech community. She participates in the Admissions Committee, in BUSAC and the Academic Policies Committee working on the core curriculum, and she also worked on the Honor System subcommittee for the Faculty-Student Conference. In addition, she served on search committees for the Counseling Center, the Health Center, and the undergraduate selection committee for the Women's Center Director.

She also participated in skits for the successful Date Rape Prevention Program last year and was the skit Choices and Challenges as a UCC at Frosh Camp. She is also a member of the Ricketts House Social Team and was on the ASCIT BOD as Upper-Class Director at large. Gisela has also done hospital volunteer work.

Cesar received the Cup primarily for his extensive quality involvement with Caltech's Latino Associa-

Robert L. Noland Leadership Awards



McCall(left) and Green(right) receive honors for their leadership.

Becky Green and Ben McCall will receive the Robert L. Noland Leadership Awards for outstanding leadership and service to the students of the California Institute of Technology at a dinner in the Athenaeum on May 17.

Becky has served the Caltech community in a variety of ways. She has been very involved in athletics every year, lettering in Cross Country and playing soccer and basketball. She was also active in Blacker House where she was Vice President. She has helped with new student orientation for three years, serving as a fine role model for the new freshmen. She also represented Caltech when she worked as a tutor at Union Station in Pasadena.

Becky's primary contribution

to her fellow undergraduates has been through the Caltech Y where she has been integrally involved as noon concert coordinator, speaker coordinator, Y hike leader, and now as President of the Student Executive Committee. Through her Y involvement and in other ways, Becky has been a leader in social awareness and action. She has been particularly helpful in informal ways in supporting the development of women student leaders.

Ben McCall receives the Award for the leadership he has provided in Students for the Exploration and Development of Space (SEDS) and for his work on the 1994 Faculty-Student Conference. Ben has been an important force in SEDS, an organization that has 150 student

and student life activities. As a member of the Academic Policy Committee, Jennifer was involved in curriculum discussions and coordinated a session at the recent Faculty-Student Conference on the core curriculum. She also served on two of the Academic Policy subcommittees and has been Chairperson of the ASCIT Executive Committee.

Jennifer was the primary person responsible for representing her house in the North House Rehabilitation Committee two years ago and made significant contributions to the overall project. She has assisted incoming students as a Frosh Camp UCC, been a member of her House's Social Committee, and a Page House UCC. Jennifer currently works in the Residence Life and Master's Office where she assists students and responds to numerous questions and

members, since his freshman year. He is currently president of this organization, a position he has held for almost two years.

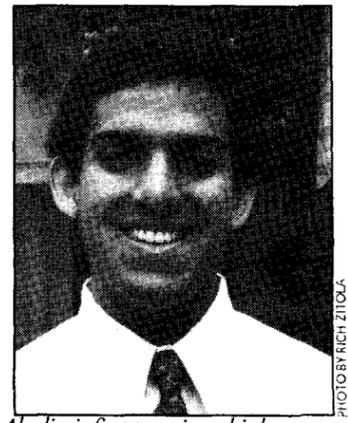
His most impressive leadership has been with the SEDS technical projects. As a freshman, he headed a team of students researching possible experiments for the three slots on the Space Shuttle that Caltech has reserved. At the beginning of his sophomore year, he assumed the management of an active payload called GAMCIT, a gamma ray burst detector. Through his own initiative, Ben recruited faculty advisors, arranged course credit for student work on the project, and worked with Corporate Relations to secure donation of parts. They are planning on a December, 1994 launch date. He also provided leadership for a recent \$3.8 million satellite proposal that would allow students to be involved in all phases of a major scientific research project.

Ben was actively involved in the Faculty-Student Conference as Chairman of the Teaching Quality Subcommittee, which consisted of six faculty members and five students. The committee did a superb job and developed several proposals to encourage student feedback and ultimately improve the teaching quality at the Institute.

requests on a daily basis. This award acknowledges her significant contributions to undergraduate life at Caltech and our deep appreciation for her efforts.

Congratulations to each of these students for their outstanding contributions to improving the quality of undergraduate life at Caltech.

Jentoft-Nilsen Memorial Award



Abedin is first to receive this honor.

Moeen Abedin is the first winner of the Bibi Jentoft-Nilsen Memorial Award. This prize is given in memory of Bibi Jentoft-Nilsen, a 1989 graduate of Caltech, who was an exceptional student leader during her time at Caltech. Bibi was Director-at-Large on the ASCIT Board of Directors, President of Blacker House, and was a student representative on the Curriculum Committee. She was one of the stars of the cross country, track and field, and soccer teams. After her untimely death in 1990, a memorial fund was established by her family and friends to recognize outstanding student leaders.

Moeen is being honored primarily for his effective and inspirational leadership during his tenure as ASCIT President. Through various initiatives and reforms, he has improved the ability of ASCIT to effectively represent student opinion. He has given a great deal of service to the entire Caltech community by participating in many committees and has worked hard on behalf of all students. His other committee services to BUSAC, Admissions, SURE, and others has made a difference as has his volunteer activity with the Los Angeles Regional Food Bank.



Trittschuh receives Residence Life and Master's Award.

tion of Students in Engineering and Science (CLASES). He is currently the president of this organization and previously was its treasurer. Its activities develop the culture, the community involvement, and the professionalism of chapter members. Cesar is also coordinator for the *Semana Latina* committees, an event celebrating Latino culture that is taking place on campus this week. He also has worked hard on the Second Annual Underrepresented Student Banquet which is held in early June.

Cesar has been involved with the recruitment of high school students to Caltech and has also tutored high school students off campus. He is a member of the American Society of Mechanical Engineers (ASME) and a member of the National Society of Black Engineers (NSBE).

This year's Residence Life and Master's Award has been given to Jennifer Trittschuh, a senior in Page House. Jennifer has been active throughout her undergraduate career at Caltech in a variety of academic



Bocanegra(left) and Sandoval(right) are lauded for service to Caltech.

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WANT TO GET INVOLVED IN ASCIT?

Any Undergraduate interested in any of the following activities should contact Angie Bealko (x6757, angie@cco) by the date specified.

•Being a member of the Student Faculty Alumni Relations Committee - May 14

This committee plans activities to increase interaction among students, faculty members, and alumni.

•Contributing to a poster display to be shown during Alumni Seminar Weekend.

Any photos of Undergraduate life (they will be returned), descriptive short essays, or quotes are welcome. Contributions are due May 14.

IHC MINUTES

May 2, 1994

Present: Stanley Grant III [Chair], Mike Debar [L], Jim Murdoch [Da], John White [F], Dennis Ugolini [Ru], Mikey Ng [Pa], Kevin Boyce [Ri], James Honaker [Bl], Elizabeth M. Price [Temporary Secretary]
Meeting commences at 1:45 pm

Committee Appointments

Stan announces that interviews for IHC appointed positions will begin May 3rd at 9 pm, starting with candidates for IHC secretary. Stan will hold all candidate statements submitted until the interview process begins. There is some discussion as to the manner in which interviews are to be conducted, and the general consensus is that each interview should last approximately five minutes, followed by five minutes of dis-



Panama

Panama will have its first election since the end of Noreiga's rule in 1989. The election will be held on Sunday. Presently, the candidate in the lead is Ernesto Perez Balladares, whose party once backed Noreiga.

South Africa

The first ever multiracial National Assembly will meet for the first time this Friday in Cape Town. Mandela is expected to be chosen by this body as "president of a government of national unity". President de Klerk is expected to become one of the two vice-presidents.

Rwanda

Approximately two hundred and fifty people escaped from Rwanda into neighboring countries. A hundred thousand Rwandans have died as the result of the "ethnic bloodletting" in Rwanda. Despite the UN Secretary General's request that the UN Security Council intervene, the UN hesitated to commit any more troops to peace-keeping operations.

ussion by the IHC. Stan will try to reserve a club room for the interviews, and he will also schedule the interviews. Kevin asks that Stan make the revised schedule clear, as there may be some confusion.

Interhouse Mingling

Stan wants to promote interaction between members of different houses, and he asks those assembled for suggestions. All present agree that such mingling is beneficial. Kevin encourages sharing meals as a means of socializing, while James quips that a campus-wide rotation might also bring members of different houses together. Dennis notes that Ruddock is scheduled to eat dinner with Fleming in two weeks, and Kevin expresses strong interest in requiring

Egypt

Despite many snags during the negotiating process, the Palestinian Liberation Organization and the Israeli government finally resolved major disputes and signed an agreement concerning Palestinian autonomy on Wednesday. This agreement comes after long negotiations and intervention by the Egyptian President and the U.S. Secretary of State.

Japan

In the tenth worst disaster in commercial aviation history, a Taiwanese jetliner crashed when it tried to land in the Nagoya airport. Out of the two hundred and seventy one passengers, only nine survived.

Latin America

Director of the municipal police Jose Federico Benitez Lopez was killed along with his bodyguard in Tijuana.

United States

The United States is holding off on imposing trade sanctions on China for the piracy of American films, music, and computer software. The government avoided immediate trade sanctions on China in order to avoid even more complications in US-Chinese relations. The Administration is allowing Beijing to have sixty days to respond to the allegations of piracy before taking any action.

Ricketts to eat with Fleming. John has some concerns that Fleming House dinner rules might not be observed by members of Ricketts. General sentiment regarding interhouse mingling favors random silly events and shared dinners.

Multihouse funding is brought up, and Stan briefly contrasts the new policy from Chris Marsh (ASCIT director for social activities) with previous policy. Jim thinks that advertising past the two hundred dollar multihouse money should not have to be advertised, since Dabney favors smaller events with quality refreshments—events not feasible with larger crowds. Mike agrees that Lloyd would have similar difficulties, but John welcomes increased attendance for Fleming events. James also expresses some enthusiasm for a larger participation in Blacker events.

Avoiding Rotation Stereotypes

Stan suggests that possible
SEE IHC MINUTES, PAGE 7



by Neil Jones

4/22 10:00 a.m. to 5:00 p.m. A beige Toyota truck was stolen from the tennis court parking lots sometime between 10:00 a.m. and 5:00 p.m. Nearby lots and streets were searched unsuccessfully; the Pasadena Police Department was eventually notified. There are no suspects, and the truck has not been found.

4/22 8:45 a.m. An old three-piece Intel computer used mainly by students was reported missing from Bridge 207. The room is on a South Master, and there were no signs of forced entry around the lock and bolt of the door. Oddly enough, a newer Gateway2000 386/33 sitting on a cart with wheels near the doorway was left untouched. The estimated cost of the computer is \$1500.

4/27 8:55 a.m. A man claiming to be the victim of a grand conspiracy involving the U.S. Army, NASA, the Las Vegas Police Department, the "Feds," students at North Carolina State University, George Bush, a Jewish radical feminist, and his very own parents was escorted off campus after creating a nuisance of himself in Chandler Dining Hall and passing out pamphlets on campus. The poor trodden-upon soul gave his New Jersey driver's license as identification and an address in Glendale before leaving the area.

4/29 9:00 a.m. A faculty member who stepped out of his office in Keck returned to find his wallet containing his credit cards and identification missing from where he had placed them in an unlocked desk. The estimated value of the wallet and the cash inside is \$60.00.

**This Week's Grand Total:
\$1,560 and one beige Toyota truck.**

Register to Vote by Monday

by The League of Women Voters,
Pasadena Chapter

Registration for voting in the June 7 Primary Elections will close on Monday, May 9. Persons not yet registered need to fill out a registration form and get it in the mail by Monday, May 9. Forms are available at the following locations:

- ☞ The Caltech Mail Service Lobby, 104 Keith Spalding Building;
- ☞ Winnett Student Center, The Caltech Y, Room 218; and
- ☞ All public libraries and post offices.

Requirements to register are U.S. citizenship, eighteen years of age by election day, and thirty days residency.

Registration can be done entirely by mail, using preprinted postage-free forms provided by the L.A. County Registrar of Voters. No witness to a signature is needed since penalties for perjury apply if false information is given. Each registered

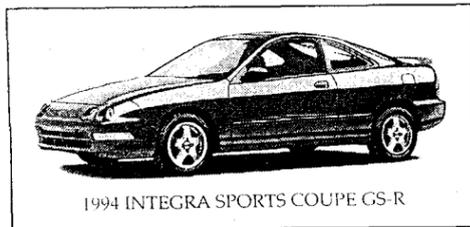
voter will be mailed a sample ballot giving polling place location, an absentee voter application form, and a complete listing of candidates and issues. California is one of the states that actually provides easy registration by mail and sample ballots to prospective voters, so good voter turnout is expected.

California law provides for permanent registration. Anyone who voted in November of 1992 or 1993, or has registered since then, remains on the list. If name or address has changed, the proper forms should be sent in.

Party nominations of candidates for U.S. Senator, Governor, members of Congress, members of the State Legislature (both houses), statewide offices, Assessor, Sheriff of L.A. County, and Superior Court Judge will all be on the June 7 ballot. In addition, the ballot has four State Constitutional Amendments (all regarding taxes), one legislative measure, and four statewide bond issues.

Acura of Pasadena

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ASCIT NEWS

- **Positions** on the SURF Student Advisory Council have opened (sign-ups are posted on the east side of Winnett). Applicants must either have had a SURF or will have one this summer. Sign-ups close at 5:00 PM on Friday 13 May; applicants will be interviewed by the Board of Directors.

- The monthly **Faculty Board Meeting** is this Monday. Undergraduates, if you would like an issue brought up, please contact Angie Bealko, the ASCIT President (pres@ascit, x6757).

- The Entrepreneur Club applied for and has received ASCIT **recognition**.

- **BDR** requested ASCIT funding. The request has been referred to the Executive Social Committee.

- The BOD is finalizing arrangements with the Houses to **visit** each House third term for dinner and after dinner discussion. The **schedule** will be posted in the Houses and on caltech.ascit.announce.

- The **Special Topic** at this meeting was the proposal to **separate the BOC** from ASCIT. After long discussion (see the minutes) and careful con-

sideration, a motion to pass the proposal failed. If you have questions or comments about this issue, please talk with a member of the BOD.

- The Special Topic of the 11 May BOD meeting is the **Club Funding Policy**.

- **Clubs** are reminded to pick up their third term funding this term. Contact the ASCIT Treasurer or come to the weekly BOD meeting.

- The Board of Directors **meets** weekly, every Wednesday, at 7:30 PM in the ASCIT Office, SAC 64. Individuals with **new business** should come at the beginning of the meeting. Meetings are **open** to all members of the Caltech community.

- Please bring **15 copies** of handouts to meetings of the Board of Directors.

- Due to the increased **length** of the ASCIT BOD Minutes, they will no longer be published in the *Tech*. Copies of ASCIT BOD **Minutes** are available by mail free of charge **on request** to students, faculty, and administrators. Requests should be sent to Secretary, ASCIT 64-58.

Chalk it up!

We want artists to create chalk murals on Pasadena sidewalks. No charge for participation! Workshops, food, and chalk are free for participators. Over two hundred murals will appear; call (818) 395-7100 to sign up or to get more info. The actual event is on June 4th and 5th, but workshops will be held earlier.

“Juiced” Baseballs

by John Haba

The hot topic in Major League Baseball these days is the offensive explosion during the first month of this season. Never in modern baseball history have so many runs been scored in such little time. One of the perks of being a sports fan is being able to spend hours in friendly debate over such quandaries. What follows are my findings after sorting through a maze of statements from players, coaches, umpires, manufacturers, and mathematicians.

The most popular theory is the assertion that the balls are “juiced.” That is, the baseballs themselves are being made so that they travel farther. It’s the easy answer, but there are several holes in this story. For one thing, everyone involved in the production and distribution of baseballs denies any such conspiracy is occurring. Also, with no commissioner, powerless league presidents, and a group of owners who are barely able to gather in one place together, it’s unlikely that there is anyone with the authority to create this secret baseball-tampering plot.

As for other theories, it depends on who you ask. If you question hitters, they’ll reply that batters have become stronger and more capable than in the past. If you ask coaches and most sportswriters, they’ll say that expansion has diluted the pool of pitching talent immensely. Twenty-five to thirty years ago, there were about one hundred active pitchers in the league; currently, there are about three hundred active pitchers. That means a lot of stiff heads out to the mound on a nightly basis to serve up a few home runs. Pitchers of course, say “the balls are juiced.” Many also claim that umpires’ strike zones have shrunk a lot over the last few years. Of course, it’s always easy to blame the umpire.

The statisticians however will tell you that this run-scoring trend is not such a shocking aberration. They claim that, in the late 60s, pitching was even more dominant than hitting is today. This season’s stats thus far may prove simply aberrational, or may be symptomatic of a general trend of increasing offense, say the Elias Sports Bureau. Whatever the reason, more runs means more excitement, so why all the fuss? As a fan from Caltech, I’ll have to agree with the mathematicians. Are the balls juiced? I think it’s best to let fans in bars across America decide on their own.

Caltech Velo Places 20th in California

by Michael Kantner

During the season’s final weekend of road racing, Caltech passed Santa Clara and finished twentieth in the state. Led by Jody White’s continued successes, Caltech rebounded from lackluster performances the week prior at UCLA. During the final race of the road season, all of Caltech’s entrants placed.

Caltech fielded a season-high eight riders in the UCLA road race on April 16. The course was a fourteen mile loop with 1,250 feet of climbing each lap. The men’s D and women’s B races were two laps and the men’s C race was three laps. Cyrus Behroozi, Marcus Chen, Seiya Fukuda, Kevin Hoke, and Andy Zug competed in the Men’s D race. Unfortunately, Seiya and Marcus flatted early in the race. Kevin placed fourth in the King of the Mountain competition and placed eleventh overall. Andy Zug, in his first race of the season, finished a strong thirteenth. Cyrus, not a strong climber, finished behind the main pack. Jody finished fourth in the Women’s B race, the best finish for Caltech. In the Men’s C race, Caltech’s bad luck continued. Scott May had a flat and Michael Kantner stopped to help a motorcyclist who crashed while officiating the race. Michael was not among the leaders when he stopped. Kevin and Jody earned enough points to give Caltech a tenth place finish overall for the day.

At the UCLA Criterium on Sunday, April 17, Caltech’s only positive performance came from Jody. In the Women’s B race, she placed second in the prime and seventh overall. Marcus, Seiya, and Kevin raced in the D category, but none placed. Charles Musgrave and Michael were riding well in the Men’s C race. Midway through the race, however, a UCSD rider caused an accident and Michael crashed. Charles finished the race but did not place. Caltech did not finish in the top ten. With only one weekend of racing left, Caltech was 21st in the state, and needed two strong finishes to over-

take Santa Clara.

The final weekend of racing, April 23-24, was one of Caltech’s best. Saturday’s criterium on UC Santa Barbara’s campus was difficult due to twelve turns and a strong wind. A combination of bad luck and wind left Cyrus off the back during the Men’s D race. Michael, not yet recovered from his crash a week earlier, finished behind the lead group in the Men’s C race. Jody placed fifth in the Women’s B race and propelled Caltech to an eighth place finish overall. Since only eight teams scored points, only those teams were ranked.

Sunday’s criterium, the last race of the regular season, was one of Caltech’s most successful. Jody placed third in the prime and eighth overall in the Women’s B race. Michael finished ninth in the Men’s C race, but was officially listed as tenth due to an officiating mistake. Cyrus placed ninth in the Men’s D race. All three riders earned points for the school, and Caltech finished ninth overall.

With the season over, it was clear that Caltech did not qualify for regional championships, as only the top twelve teams qualify. However, Caltech had a chance to move into twentieth place in the state (21st in the division since Nevada is included). When the results were tallied, Caltech edged out Santa Clara by two points and finished the team’s second season of bicycle racing twentieth in the state.

The Results:

UCLA Road Race, April 16

1.	UCSD	380
2.	UCLA	162
3.	CSULB	154
4.	UCSB	70
5.	CP Pomona	60
6.	SDSU	55
7.	UC Irvine	43
8.	Claremont	28
9.	UC Riverside	26
10.	Caltech	8

UCLA Criterium, April 17

1.	UCSD	322
2.	UCLA	180
3.	CSULB	178
4.	UCSB	106
5.	UC Irvine	45
6.	CP Pomona	35
7.	SDSU	22
8.	CP SLO	17
9.	UC Riverside	15
10.	Claremont	10
	USC	10

UCSB Criterium, April 23

1.	CP SLO	290
2.	UCSD	245
3.	UCSB	197
4.	CSULB	105
5.	UCLA	57
6.	SDSU	25
7.	CP Pomona	24
8.	Caltech	5

UCSB Criterium, April 24

1.	UCSD	287
2.	CP SLO	252
3.	UCSB	124
4.	UCLA	113
5.	CSULB	102
6.	SDSU	34
7.	Claremont	17
8.	Riverside	13
9.	Caltech	9
10.	CP Pomona	5

Final Regular Season Totals:

1.	CP SLO
	UCSD
3.	Stanford
4.	UC Davis
5.	UC Berkeley
6.	CSULB
7.	UCLA
8.	Nevada-Reno
9.	Chico State
10.	San Jose State
11.	CP Pomona
12.	UCSB
13.	UC Santa Cruz
14.	UC Irvine
15.	SDSU
16.	Claremont
17.	Sacramento State
18.	Foothill College
19.	UC Riverside
20.	Fresno State
21.	Caltech
22.	Santa Clara
23.	USC
24.	Fullerton State
25.	Northridge State
26.	Univ. of San Diego

Note: Only teams with at least one top ten finish are listed.

YNEWS

by Topher Hunter

Ynews...The next generation. That’s right, folks. Sammy is done with his term as the Y Vice-President, and it’s time for a new set of officers. Congrats to President Christine Chen, Vice-President Christopher Hunter (yours truly), Treasurer Erik Wasinger, and Secretary Donna Ebenstein. Shower those new officers, folks. (You can skip me, though. I’ve had my shower this month.)

The week of May 9th is **International Week** with a full five days of cultural and ethnic enchantment. Starting off the week will be the **Francophone Club** with wine tasting and a movie at Beckman Institute from 7 p.m. to 10 p.m. May 10th will see the return of those wild and crazy guys, **The Tuvans**. They’ll be performing a noon concert in Winnett Quad at—you guessed it—noon! Then, that evening, you can hear even more of their amazing work in Ramo Auditorium at 7:30. Wednesday the 11th will bring you another movie, this time from the **Korean Club**, again from 7 p.m. to 10 p.m. at Beckman Institute. On Thursday, **Amnesty International** will have a presentation about Burma from 7 p.m. to 10 p.m. in Beckman Institute. (Wow. Busy place.) International Week will conclude on Friday, with food, games, and presentations from 4 p.m. to 7 p.m. on the Olive Walk and in Winnett Quad. At 4:00, see a martial arts demonstration by the **Shotokan Karate** class, followed at 4:30 by the **Tang Soo Do** class. At 5:00, a **Yugoslavian band** will perform, and then at 6:30, there will be a participatory demonstration of traditional **Israeli Folk Dancing**.

As for other news, here’s the list of upcoming events at the Y:

1. On the 7th, we have a trip to the LA Arboretum, leaving at 2pm. Sign up at the Y.
2. On the 14th, Sam Webb will be leading a backpacking trip to parts as of yet unknown. Call Chris at x6194 for information.

Lastly, Boffo Bonecrusher Broomball returns! Sign ups go up at 1 p.m. on Monday the 9th, and the body parts fly on the 21st. Sign up at the Y or call Chris for more information.

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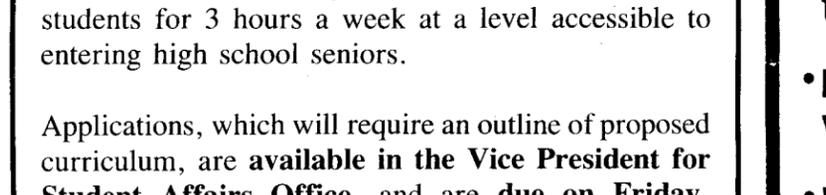
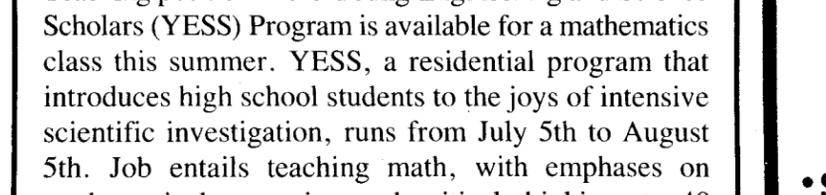
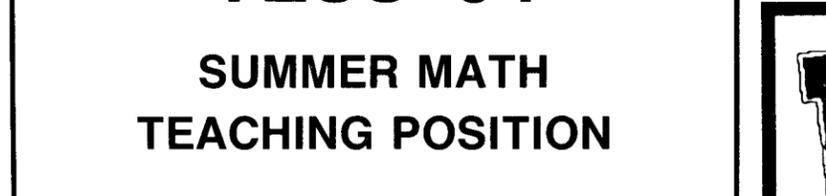
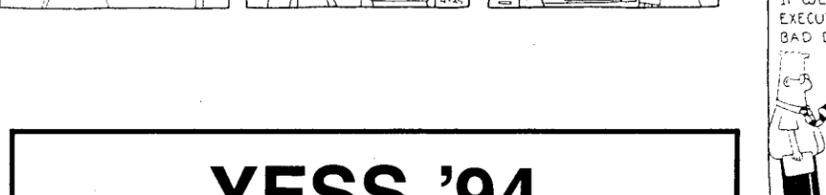
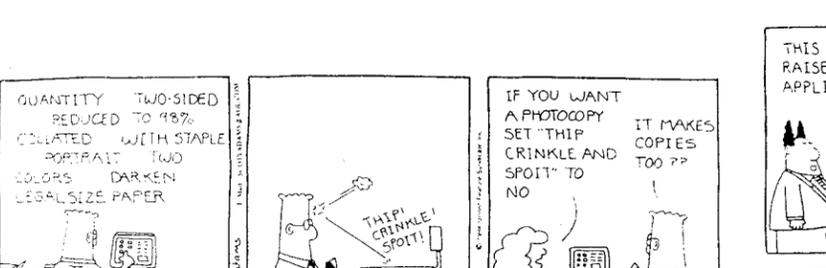
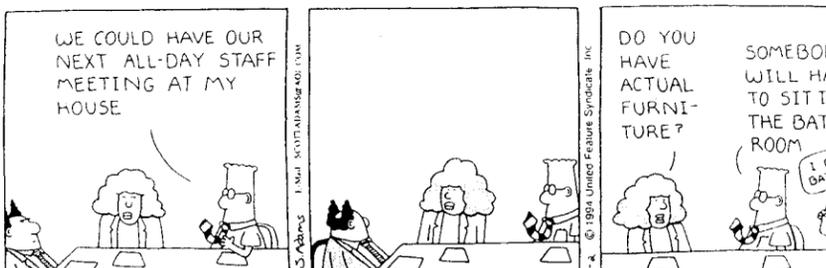
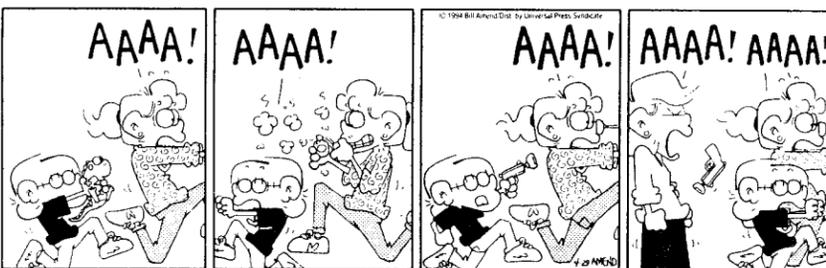
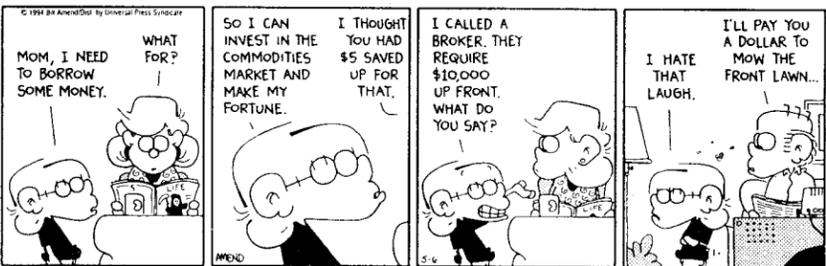
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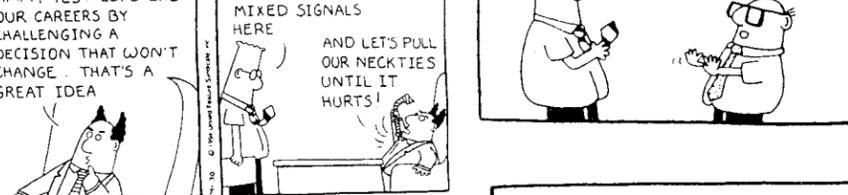
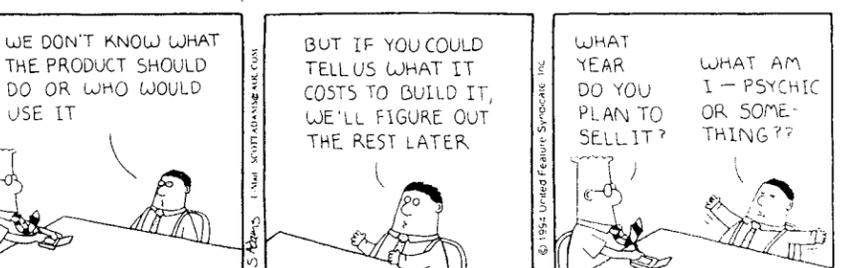
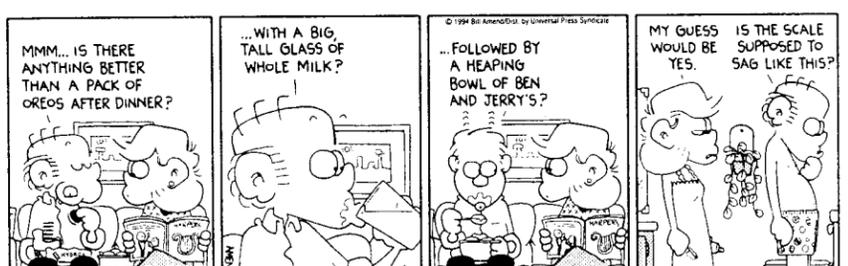
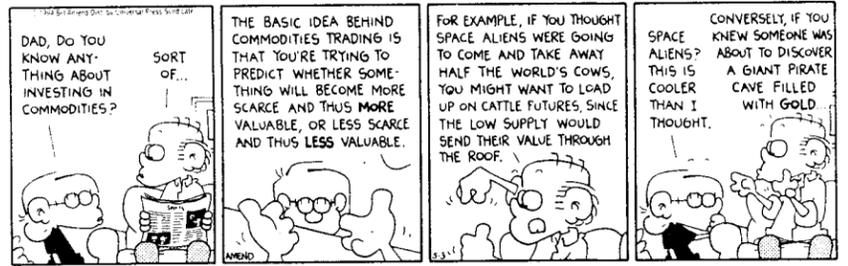
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by Bill Amend

FOXTROT



DILBERT® by Scott Adams

YESS '94 SUMMER MATH TEACHING POSITION

Teaching position in the Young Engineering and Science Scholars (YESS) Program is available for a mathematics class this summer. YESS, a residential program that introduces high school students to the joys of intensive scientific investigation, runs from July 5th to August 5th. Job entails teaching math, with emphases on mathematical reasoning and critical thinking, to 40 students for 3 hours a week at a level accessible to entering high school seniors.

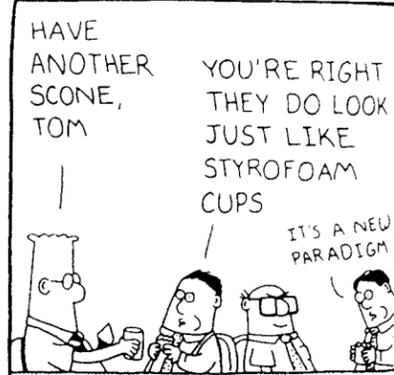
Applications, which will require an outline of proposed curriculum, are available in the Vice President for Student Affairs Office, and are due on Friday, May 20. Undergraduates, graduates, and all others are encouraged to apply.

For more information, contact Athena at x3180.

U The National College Magazine

Coming up in May

- Students lose big when officials cover up the realities of campus crime
- Presenting: Images of college life nationwide - the winners of the U. Photo Contest
- Everything you want to know about the opposite sex, but are too big a wuss to ask
- Regarding Henry: Rollins speaks



Bridge Without CLASSIC

by Jeff Goldsmith

Odd

Playing matchpoints against questionable opponents, I run into a tactic that I've never seen before. Fourth to speak, red on white, I hold:

♠K6542 ♥— ♦Q104 ♣98765

My LHO opens 1NT, showing 15—17 HCP, and partner doubles. We play Woolsey over strong notrumps, so partner is showing a four-card major and a longer minor. This partner is very creative about entering the auction over their strong notrump, so he may have a hand that is unexpected, but for the moment, I shall have to believe this description. RHO does not and redoubles in a voice of thunder.

At this point, any suit bid by me would suggest it as a place to play. If RHO had passed, 2♣ would have asked partner to pass or correct if his minor were diamonds, but pass does that job now. LHO passes, too, and partner bids 2♣. That is a nice surprise, but something is fishy when RHO again vehemently doubles. Well, I can live with this, so I pass again. LHO does, too, and partner redoubles! RHO smirks and passes and I have my first real problem of the auction.

LHO	PARTNER	RHO	ME
1NT	Double	Redouble	Pass
Pass	2♣	Double	Pass
Pass	Redouble	Pass	???

What is going on? Partner is supposed to have a good hand to enter at this vulnerability, but he cannot be intending to play 2♣ redoubled. If we were to make 2♣ doubled, we would have all the matchpoints, so he would just pass. Besides, RHO sounds like a man with a fistful of clubs and I have five of them. If partner has clubs, there are 17 of them in the deck. The redouble must be for takeout. That means he must have five diamonds and 4—4 in the majors. He has a club void! The first thing I know for sure is that I must act as if I am considering passing. This partner deserves to sweat. Fortunately, it is not clear what to do right now, so I can happily let him worry without having to do anything untoward.

If partner is 4-4-5-0, what can we make and what can they make? It seems obvious that they can make 4♥; they have nine hearts and lots of high cards. No, if they reach 4♥, I shall be on lead and I'll lead the ♠9, giving partner a ruff. Hopefully, he'll have the ♠A, underlead it to my King (the nine was suit preference) and I can give him a second ruff. He must have another trick somewhere (he's crazy, but not that crazy,) so we shall beat 4♥. That will be a good score.

What can we make? We have nine spades and eight diamonds. The Law of Total Tricks suggests that, since they can probably only make nine tricks in hearts (we are finding the best defense,) then we can make nine tricks in spades. Due to the double fits, more tricks should be available, but I think the two defensive ruffs we have will counteract the double fit; we can probably make around nine tricks in spades and probably the same in diamonds. It is also clear that we shall not be able to play this hand undoubled. Good! So my first priority is to be allowed to play the hand at or below 3♠; otherwise, I want to double and beat 4♥.

Usually, the best action is to bid as much as one thinks one can make immediately. On this hand, that is 3♠. I think that is a poor tactic now, though. I want to play the hand doubled. Jumping the bidding might discourage them from doubling or even letting us play it at all. That means I should probably bid 2♣. If I bid 2♣, what will happen next? Can I reconstruct their hands? Hearts are probably 4—5, with the five on my right. Clubs are probably 3—5 or 4—4. Spades are either 2—2 or 3—1 and diamonds are probably 3—2, though they might be 4—1. My guess is that RHO is 2-5-2-4, giving the notrump opener 2-4-3-4 shape. No one can double 2♣! LHO will pass, RHO will bid 3♥, and we shall defend 4♥ doubled. Unless, horrors, LHO passes 3♥ out of confusion. She's clearly never been in this position before. Bidding 2♣ seems as if it will work out poorly. I have a better answer, though. If I bid 2♦, LHO will double and RHO will sit it out because he has a doubleton. 2♦ has to be easy to make, so +180 should be a cold top unless we can beat 4♥ two tricks. In that case, I shall probably make an overtrick and +380 is better than +300.

I bid 2♦, after a long pause. I am still hoping that partner is worried about my passing, but he seems fairly nonchalant rather than relieved. All else goes as planned, and I make 2♦ doubled with an overtrick for all the matchpoints. The whole hand was:

♠ A873		♠ 9
♥ A542		♥ J1096
♦ 98752		♦ J6
♣ —		♣ AJ1043
♠ QJ10	N	
♥ Q873	W	E
♦ AK5		
♣ KQ2	S	
♠ K6542		
♥ —		
♦ Q104		
♣ 98765		

Partner's hand was rather thin for a red vs. white overcall, but his continuation was thoughtful and very successful. Once he had identified the club void to me, we were getting over 75% of the matchpoints. The unusual tactical situation for me allowed us to get the remainder as well. What is so odd about this hand is that I had to play in our second-best fit in order to allow the opponents to double us. Our best fit would be too hard for them to double. Odd. Also note that RHO bid badly. He should start showing his suits, rather than try to double us. If he were to do so, he would reach 4♥ from partner's side of the table, which would pose no problems in the play.

IHC Minutes for 5-2-94

FROM PAGE 4

methods to prevent house stereotyping and unfair frosh bias during rotation this fall be planned immediately. John remarks that Fleming is often pigeon-holed as "The Athletic House," and Mike mentions that Lloyd is often designated, "The Quiet House." John thinks that the best solution would be to give incoming frosh additional propaganda sheets, but Stan points out that Kim West's office currently pays for the sheets, and may not be able to fund an increase in propaganda material by all seven houses. John states that Fleming would be willing to pay for its additional sheets, and there is general agreement that all houses should have the option of providing additional literature to the incoming freshmen, provided that each house covers its own literature expenses. There is also some question as to when and where these additional sheets should be made available to the freshmen. Some favor including them with the initial propaganda sheets mailed out over the summer, while other suggestions include passing them out with the Catalina Island packets or slipping them under doors prior to rotation. Stan feels that Catalina Island is inappropriate for propaganda distribution, since house division is purposely made low-key, and the matter of actual distribution is left for the time being.

Informal summer meetings among the presidents who will be at Caltech for the summer are proposed, but no firm commitment is made.

The presidents express interest in viewing each other's rotation videos, purely for amusement value. but, again, no firm commitment is made.

IHC Role in Student Government

Stan reviews his discussions with Angie Bealko (ASCIT president) and Chris Marsh. Stan feels that the IHC should have equal opportunity to interact with the administration and student affairs, citing last year's petition to Dean Kiewiet as an example of effective IHC/administration association. ASCIT argues that it is the function of the central student body government to deal with the administration, and interaction with the administration should be handled through ASCIT.

Stan opens the topic for discussion. Mike feels that ASCIT and the IHC should divvy up dealings with the administration to save time. John agrees with Stan that specific jurisdiction is unwise, and suggests an Uber-body of some sort, composed of the BOC, ASCIT, and IHC chairs, to create legislation and perhaps deal with the administration. Stan wants further details, and asks John to email him a detailed suggestion for such a body. John adds that an additional advantage would be that such a legislative branch could be given a cool name, such as The Council of Three. Mikey and Mike strongly prefer "The Triumvirate."

Stan would like to invite members of the administration, such as Kim West and David Wales, to IHC meetings. Such attendance has precedent, and Stan feels that such an association would be mutually beneficial. There is general agreement that such invitations have merit. Dennis declares a need to develop an improved work relationship with the administration in general.

Stan mentions that Angie is working to put together an administrative/GSC/undergraduate committee, with Stan, Angie, and Chris as delegates from the undergraduate body.

Frosh Numbers and Spaces

Stan announces that he has obtained a rough estimate of the number of frosh the admissions office expects to matriculate, and he wants to make a rough estimate as to the number of freshmen each house will be expected to take. After some minor calculations, the approximate numbers of are: Fleming, 31, Lloyd, 31, Ruddock, 36, Dabney, 24, Page, 37, Blacker, 26, Ricketts, 30. These numbers will be revised as more accurate figures are obtained from the admissions office. Both Jim and Kevin express willingness to give

frosh to other houses, and some trading is expected when conclusive numbers become available. A meeting is suggested for Thursday to try to finalize numbers, and the matter is tabled for later.

John complains that the deadline next Thursday (May 12) for room picks is too early, and he wants to ask Kim West for more time. Several other presidents confirm that more time would be advantageous. Stan places a call to Kim's office, but she is unavailable. John makes an additional call to Kim's office and leaves an additional message for Kim in regards to the deadline.

New Business

Jim suggests setting up an IHC email account through ugc. John advocates a ugc account, and there is general agreement that such an email account would be useful, so Jim agrees to take care of the matter.

James asks the other presidents for a rundown of their house dues, which are given as follows: Ruddock, \$25 full/\$12.50 social, Lloyd, \$25/\$15, Page, \$25/something (Mikey was unsure), Fleming, \$25/free, Ricketts, \$25 (only full members), Dabney, \$25 (one membership, one price), Blacker, \$25/\$15.

John questions Dennis about some possible misunderstanding regarding Ruddock's literary journal, and encourages openness between Ruddock and Fleming.

Meeting adjourns at 2:55 pm.

Before leaving, Kevin asks for help relocating members of Ricketts during summer renovations, James suggests setting up an IHC policy to cover renovation relocation, and Dennis mentions that Ruddock may host all of the YESS and BRIDGE students this summer.

Respectfully submitted,
Elizabeth M. Price
Temporary IHC Secretary

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Sat-Sun Bargain Matinee 2:30 p.m.



ADAM VILLANI: MEDIA GUY

No Escape

With *No Escape*, producer Gale Anne Hurd (*Aliens*, *Terminator 2*) once again tries to promote a vague humanitarian message with a movie that entertains us with extreme violence. This new film, starring Ray Liotta (*Goodfellas*), certainly works well as an action movie, which is probably why it's so disturbing. While on the surface, this movie seems to be alternately telling us "prison conditions are bad," "keep your humanity in desperate situations," "remember the victims of crime," or a zillion other canned public service messages, it also tells us "fat people can't be trusted," "impaling people is heroic," and "some people deserve to die." It's not the portrayal of violence per se that I object to (*Man Bites Dog* was on my top 5 list for last year), but the way in that it's portrayed. America will never be a peaceful country as long as it thinks that the way to solve problems is to kill people.

As a film, *No Escape* isn't all bad. It's about a Marine (Liotta) who gets sent to an island penal colony where there are two main rival factions, one a violent gang of marauders and the other an industrious group that tries to remain "civilized". As expected, the best thing about this movie is the production value, which is responsible for the intricate primitive fortress village set which includes farms, a still, and elevators. It's worth watching (on video) just to see the way a society with a government and economic system can be created with limited resources. If you're looking for an exciting action movie, this is also a pretty good choice, but it might be a good idea to try to patronize less sadistic action movies, like *The Fugitive*.

Cronos

This new vampire movie from Mexico isn't as gripping as *The Silence of the Lambs* or as stylish as *Bram Stoker's Dracula*, but it's good enough and weird enough to become something of a cult favorite. The plot follows an antique shop owner (Federico Luppi) who discovers an ancient device (which is really fun to watch in action) that gives him vampirelike powers — but is also highly addictive. Luppi is a very likable guy, and we really feel sorry for what he has to go through. The movie seems somewhat brief, however, and has trouble actually engrossing the viewer. Also, the symbolism is awfully blatant, with the lead character who dies and comes back to life actually being named Jesus.

More Fun with Rolling Stone

In case you were under the delusion that *Rolling Stone* magazine had any sort of journalistic quality, you should check out the article "Wired in California" in the May 5 issue, which begins by describing the San Gabriel Valley as "an hour east of Los Angeles." I suppose it depends which part of Los Angeles and which part of the San Gabriel Valley you're talking about, but I can walk from downtown to Alhambra in about an hour. Then they begin to really take some artistic license: "Out here, far from the smog and crime of downtown..." Do I need to tell you that smog is worse in the San Gabriel Valley? This is just another example of the news media writing whatever they feel would make a good story, reality be damned. Did the writer even come here?

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SEMANA LATINA CELEBRATION

by Michael J. Herrera

During all of last week, the newly formed Club Latino and the Caltech chapter of the Society of Hispanic Professional Engineers organized *Semana Latina*, a celebration of the various Latino cultures.

Since Caltech is not in session during the month of September (National Hispanic Heritage Month), the first week of May was chosen as the best time to share with the Caltech community the richness and diversity of the Latino cultures of the Caribbean, North, and South America. Below is a list of what took place.

***** May 2 *****

Bobby Matos & Heritage Ensemble,
Afro-Cuban Jazz,
Winnett quad, Noon-1:00 P.M.

"Representation Issues in Higher Education"
Dr. Richard Tapia, Rice University,
Ramo Auditorium, 5:30-6:30 P.M.

***** May 3 *****

Los Costenos, Salsa & cumbia music,
Winnett quad, Noon-1:00 pm.

Panel discussion: "Latinos in science & education"
Dr. Lydia Villa-Kamoroff, Harvard Medical School,
Dr. George Castro, Almaden research center-IBM,
Dr. Eloy Rodriguez, UC Irvine,
Ramo Auditorium, 7:00-8:30 P.M.

***** May 4 *****

Ballet Folclorico do Brasil,
Winnett quad, Noon-1:00 P.M.

Film: "Like water for chocolate" (Mexico)
Recently nominated for best foreign film,
Baxter lecture hall, 6:00-8:00.

***** May 5 *****

Cinco de Mayo celebration! Aztec dancers & musicians
Winnett quad, Noon-1:00 P.M.

***** May 6 *****

Brass, Merengue music!
Winnett quad, Noon-1:00 P.M.

"A View to Latino Art", Exhibition and art show,
Dabney lounge, all day.

Semana Latina was sponsored by the Multicultural Task Force (through a grant from the James Irvine Foundation), the Undergrad Dean's Office, the International Student Programs Office, the Caltech Y, the Admissions Office, the VP for Institute Relations, the office of the Director of Residence Life, Bernard Buss, Stan Borodinsky ASCIT, and the GSC.

For more information, please send e-mail to latinos@cco.

Shakespeare—With a Twist: A Hip-Hip Version of "Romeo and Juliet"

by Edray Goins

Saturday night, April 30 began as a rather uneventful evening. While undergraduates took midterms, *Save Our Youth* was to perform "Romeo and Juliet" in Beckman Auditorium.

A full audience waited patiently for the opening scene. One could see a few props outlining a Veronese countryside that were dimly shaded by the soft red lighting in the corner of the stage. Voices became quiet as soft organ music could be heard in the background. However, almost unexpectedly, the music changed. It was more up tempo; it was hip-hop.

Instantly, a bright white light washed the stage, and all could see the cast of fifteen black and Hispanic Pasadena high school kids dressed in costumes ranging from tights to dresses to shorts. They rang out in unison through an opening soliloquy, then sang together in the re-created Verona marketplace.

This was not an ordinary production of *Romeo and Juliet*. With the creativity of Ron Mokwena and Misha McK, this Shakespearean play was enhanced to incorporate a more modern "hip-hop" flavor. The actors were all local high school students, and the music was very rhythmic, but the speech was the most interesting.

The familiar storyline remained

the same. The Montagues and Capulets were rivals for generations; they often fought, with fatal outcomes. Eventually, the Prince of Verona (played by Ralph Davey) outlawed the fighting, so the Capulets decided to have a masquerade party. Several Montagues — including Romeo (played by Ben Vera), Mercutio (Timothy DiPri), and Benvolio (Armen Babsoloikian) — wanted to have some fun; they crashed the party.

This scene was not at all as one would expect. The music was lively enough to dance to, and the actors did just that. Strobe lights added to the ambiance, while party-goers chanted, "When I say Cap - U, you say Let! Cap - U - Let! Cap - U - Let!" as well as "Capulets in da house!"

The problems began when Romeo first saw Juliet (played by Grace Maweu) and fell madly in love with her. One Capulet, Tybalt (played by Xavier Mitchell), noticed Romeo, and shouted, "This is a Montague in disguise/to dis our night and blind our eyes!?" Just as the two were about to fight, Father Capulet (played by Stewart Aragon) entered and said, "God, the things you kids put me through. You're dissin' my guests!" Eventually the Montagues left, but Tybalt still had a score to settle.

The relationship between Romeo and Juliet grew, and the two were soon married. However, in another part of town, Tybalt and a couple of thugs confronted Mercutio and Benvolio, friends of Romeo. "Yo dogs, what's up?" Tybalt shouted as he interrupted the Montagues. The two groups exchanged words, but eventually got into a fight. After Tybalt killed Mercutio, Romeo killed Tybalt in a fit of rage.

Both Romeo and Juliet became woefully depressed when he was banished from Verona. Later, Juliet's father arranged for her to marry, but he never knew that she had already

married and was in love with Romeo. She faked her death to escape the arrangement, but did this too well; Romeo thought she was dead, and killed himself. As Juliet awoke from her deep sleep, she found Romeo dying in her arms.

Overall, the actors gave an excellent performance. They captivated the audience through their powerful emotions; we felt the intense anger of the streetwise Montagues, the ecstasy of Romeo and Juliet, and the sorrow of Verona during the funeral. Vera was very convincing as Romeo; one could feel that he was a young boy in love for the first time. In one scene, he ripped off his shirt as he was going insane. The audience was very surprised, probably because they thought this innocent boy would never do such. Maweu won the heart of the audience as the coy Juliet. One could sense her sincerity in her love for Romeo. DiPri stole the show as the charismatic Mercutio. He portrayed a carefree young man, who was not afraid to stand up for his family. He cracked many jokes, but showed commanding maturity in his many fight scenes.

The evening was very enjoyable, and contained unexpected scenes for those that were there. At one point, Romeo comforted Juliet by telling her his feelings: "I love you baby." After a moment's pause, all in the audience could hear a lone voice from a confused mother; those of us around her laughed as she asked, "Baby?" Ron Mokwena and Misha McK turned this esoteric play into a contemporary statement for inner city America. They should be commended for this project, for it was impressive to say the least.

The cast will perform for the next six weeks at Pasadena High School beginning May 7, and continuing until June 26. For more information, those interested may call the *Save Our Youth* Office at (818) 583-8551.

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DR. PRATT TALKS ON REVELATION VS. SPECULATION

Speaking on the subject of "Inspiration vs. Speculation," Dr. J. R. Pratt gave an exceptionally inspiring talk at last week's meeting of the "Y." Dr. Pratt is a man of wide experience and has spent a great deal of study on the relation of modern science to the Bible. It has often been said that the latest discoveries of science disprove much that is written in the Bible, but the speaker stated that this is often due to a wrong interpreta-

tion of some of the passages of the Old Testament. In discussing the Theory of Evolution, Dr. Pratt showed that the Bible gives the creation of the different forms of life in practically the same order as is now generally recognized by science. The speaker then demonstrated how this statement of facts could not be simply by chance. "The only explanation," said Dr. Pratt, "is that the writers of these books were inspired." In conclusion he stated that these teachings, which have stood the test of time, are a better source of inspiration than thoughtless speculation.

Father: "I never told you when I was a boy."
Kiddie: "When did you begin, dad?"

"Hey There, Dabney Girl . . ."

Great Experiment Hasn't Happened Before

by Nick Smith

When was the last time an on-campus house member sewed on a button for you? In Dabney House it's not an uncommon occurrence any more. In case you have been vacationing on the moon and haven't heard, there are girls living in Dabney House this term. "So what?" some of you remark, "That's happened before." The difference is that his time no one is getting brown off campus, because it's perfectly legal.

The Great Experiment was largely brought about by the controversy over the admission of girls to Caltech in the next couple of years. The Board of Trustees has suggested waiting until the theoretical new dormitory for women is constructed, somewhere between the grad houses and Apple Valley. There are

those who have suggested that this would not be a good idea, since it would delay and isolate any females who might brave Caltech admissions requirements. Others have said that the planned girls dorm would make Caltech more monastic than usual, by merely adding a distant nunnery of the same order. People began looking for some place for girls that was closer to the campus, and lo, they found Dabney.

Dabney House, having a married R.A., was considered the best place to try this experiment of coed houses. An alley next to the R.A.'s room was emptied, and the girls moved in. One of the girls is UCC for the alley, and the various rules were modified to fit.

Last summer, Blacker House was turned coed for the people

who worked on the ASCIT Research Project, but everyone of pessimistic mien said that it could never work during the year, when a different atmosphere prevails. Disputes and objections were raised at first, but most people now like the idea that Dabney is the House of Ladies as well as Gentlemen.

An important part of the experiment, perhaps even more important than showing that girls can live in the current student houses, is that it is giving Techers the opportunity to learn that girls are human, and not just something you meet at an exchange. And just maybe it will mean a little more when girls are admitted as students, and Caltech might start graduating people instead of Techers.

Ham on Rye: A Social Commentary

by J. Random HercFrosh III and Lauren

Lets begin by introducing the objective of this column. It will hopefully be a semi-regular column designed to address the question: "Why are you all flaming idiots?"

Point One: Accept without proof that you are, in fact, all flaming idiots.

Point Two: Never question Point One.

Point Three: The authors are always right, even when they are wrong.

Point Four: Never question Point Three.

Point Five: This column is written with the express purpose of inciting thought, not riot. To this end, the views expressed herein are inevitably extreme and do not necessarily represent the opinions, thoughts or positions of the authors, editors, Caltech, or any sentient being alive today.

Point Six: Never question, Point Five.

Point Seven: Above all else, never, ever forget Point Five.

Today's Target: The "Three Strike Law"

Picture this: You're walking back from a long evening at the computer lab. As you turn onto the Olive Walk, you remark how dim the lighting is. Still, this is Caltech—there's no reason to be worried. We don't have anything to be nervous about here, right?

BAM!! Some maniacal townie jumps you from behind. Stunned, you are frozen with fear.

But your attacker isn't frozen.

No, he is in possession of lightning-fast reflexes, sharpened by experience.

Before you can react, he viciously pistol whips you. As you fall to the ground, the lunatic steals your purse. Before you lose your faculties, the last thought that crosses your mind is, "Oh God, please don't rape me."

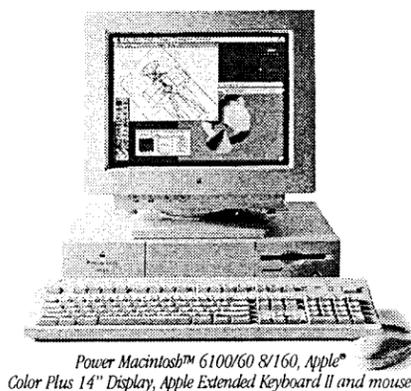
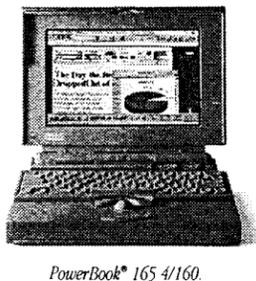
Without question, this is a horrible situation. That something like this could happen here, that something like this could happen anywhere, is, well, criminal. We are a relatively civilized nation with a set of developed, sophisticated, and rational laws. What's more, we as a nation are in possession of sufficient resources to prevent this from ever happening, not just punish offenders.

Some lawmakers feel similarly. They believe that these types of heinous crimes, that these types of actions, are unacceptable—usually. To this end, many state legislatures have proposed and ratified a so-called "Three Strike Law." Yep, your elected flaming idiots—er, representatives—have become responsible. They've gotten tough on crime.

Frankly, we here at "Social Commentary" feel this is utter [expletive deleted]. California's Three Strike Law, as written, is essentially composed of two distinct measures. The first increases the maximum allowable penalties that may be handed down for any of a list of approximately fifteen violent crimes. It also

SEE STRIKEOUT, PAGE 11

The dictionary has at least three definitions for "value." So do we.



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Bridge Without Sam

Easy
by Jeff Goldsmith

Playing IMP pairs with a good partner and average opponents, I sit East and am dealt this in first chair both vulnerable:

♠A863 ♥AQ853 ♦A ♣953

I open 1♥, and the bidding accelerates quickly. South bids 2♦, and partner jumps to 3♥, which we play as preemptive, but vulnerable he won't have complete garbage. North continues to 4♦, and I have a decision to make. This is easy; they might go down one or they might make and we are not making 4♥, so I pass. South continues on to 5♦, and I double to end the auction. Partner leads the ♥J and the dummy is a confidence builder:

NORTH
♠1042
♥K4
♦Q1053
♣KQJ4

EAST (me)
♠A863
♥AQ853
♦A
♣953



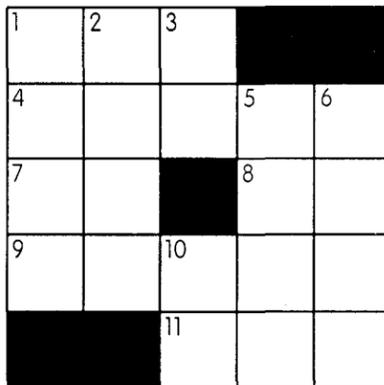
Me	South	West	North
1♥	2♦	3♥	4♦
Pass	5♦	Pass	Pass
Double	Pass	Pass	Pass

Declarer plays the ♥K from dummy and I win the Ace, thinking about what to play to trick three. Shall I underlead my ♠A to partner's honor? Or shall I cash out for down one and hope for a trick from partner? I'm thinking about this when, to my horror, declarer ruffs the ♥Q at trick two and plays four rounds of clubs, pitches two spades, and claims eleven tricks. She had eight diamonds! Of course, I should cash the ♠A at trick two to ensure the set, but I wasn't thinking about the hand yet before I had already blown it. Bridge can be a chastening game.

Games & Puzzles

Cross-Number Puzzle

by Wei-Hwa Huang



ACROSS

- Square of x
- A perfect square
- Sum of the digits of 2 Down
- A multiple of 7
- When this number is displayed on a calculator, it still looks like a number when the calculator is rotated 180°
- Its digits sum to x

DOWN

- Ramanujan's number
- Multiple of 10 down
- Multiple of 10 down
- A perfect cube
- A multiple of x minus one
- A square

The main difference between a crossword and a cross-number puzzle is that each space is to be filled with a numeral instead of a letter. As with most crossword puzzles, the elegant ones are those which have a 180° rotationally symmetric grid and no "unches." What? You don't know what "unches" are? "Unch" is a portmanteau for "unchecked square." It refers to a square that is only used once. Supposedly, an expert should be able to solve a crossword by only using the Across clues, or by only using the Down clues.

A main difference between crosswords and cross-number puzzles is that the clues of cross-number puzzles are highly recursive. The puzzle would be too easy if every clue was attainable without looking at other clues. Sometimes without taking all the clues into account, the puzzle is not solvable.

An arbitrary convention regarding cross-number puzzles is the usage of zeroes. The general convention is that zero may never be allowed to start a number, although appearing in a number is allowed. This is the convention used here. Also, all manipulation is done with *integers only*: when I say a multiple of 6, I mean an integral multiple of 6.

You'll need a bit of research to get started on this puzzle, but it's doable. One warning: a matter of interpretation may be involved regarding one clue.

Last Week's Answers: Keys and Locks

Puzzle 1 requires three keys, A, B, and C. The President is the only one who gets key A, assuring his presence in any safe-opening; the vice-president gets the other two keys, a copy of each one distributed to the two secretaries.

I made a mistake in the column on puzzle 2 (thanks for many who pointed this out). I had written that my given set was a correct solution, and that the puzzle was to eliminate the maximum number of keys to get a solution. What I meant was that I gave an *incorrect* solution, and the puzzle was to eliminate the maximum number of keys to generate a correct solution. Nevertheless, a few people were able to "correct" the problem and submit the correct answer, LOCKS, leaving 21 keys.

I'm not sure of the answer to Puzzle 3. Oleg (see below) found the ingenious idea that each president was "worth" two vice-presidents, so the minimum is just 13 choose 3, or 286 keys. Unfortunately, he failed to notice that by consolidating two vice-presidential sets into one set for the presidents made some keys extraneous because they were duplicated.

I've worked out a solution that only requires 56 keys. Let's classify these keys into 7 keys in set A, 7 keys in set B, 7 keys in set C, and 35 keys in set D. President 1 gets all keys in sets A, B, and D; president 2 gets all keys in sets A, C, and D; and president 3 gets all keys in sets B, C, and D. Each vice-president gets six keys from each of A, B, and C so that each one is missing a different key from each set, and 20 keys from set D so that each different key is owned by a set of four vice-presidents, no two sets alike. This way each president gets 49 keys and each vice-president gets 38 keys.

Unfortunately, I can't prove that 56 is the minimum, although it's certainly better than 286.

CONTEST CORNER

Results from April 22

The winner is Prof. Glen Harmanfeldt for the simple number 2,147,483,647. I'm sure all you computer people out there recognize this as the largest 32-bit signed integer. Now, does anybody know if it's prime?

Results from April 29

Oleg Bondarenko was the only person to submit a solution to all three problems. He solved two correctly, and will win \$10 for his efforts.

This Week's \$10 Contest

To submit, send the value of x and the completed grid by e-mail only to gp@tech, and how you may be contacted by phone and by mail. Ties will be broken by random draw. Entries may be disqualified for any reason (this is to stop someone from generating all possible solutions by computer and send them all to me à la *The Sorcerer's Apprentice!*) Your entry must be received by May 11, 8:00 p.m., 1994. All members of the Caltech/JPL community are eligible, except for Wei-Hwa Huang. My decision is final.

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Strikeout

FROM PAGE 9

establishes some minimum penalties for these same offenses. The second measure stipulates that in the event that a criminal is tried and convicted for three separate offenses from this same list, he (or she) is "automatically" sent to the Big House for life.

But this isn't acceptable. Imagine again that you have been attacked, only now it is seven years later. You open up the metro section of "The LA Times" and see that your attacker, released from prison just two months ago, has just murdered two clerks at the local twenty-four-hour mini-mart. Three lives have been devastated—not to mention all of the lives touched directly by the victims—because of an ineffective law. Because of spineless lawmakers.

This should never have happened. In most other nations, this could never have happened. Allowing for unique circumstances, anyone convicted of the vast majority of the violent crimes set forth in the current law should be put away for life. Those convicted of the remaining offenses, i.e. murder, rape, etc., should be killed. No ifs, ands, or buts.

In these types of cases, you don't get a third chance. You don't get a second chance. This is not baseball. This is not describing penguins in heat. This is real life with real lives in the balance. While the people responsible for the passage of the Three Strike Law may feel it is acceptable to engage in violent activities once or twice, we do not. These types of values and this type of law are simply unacceptable. From this day forward, we hold all government officials instrumental in the passage of this law personally responsible for any lives taken or negatively influenced by repeat offenders of violent crimes.

Author's Note: If you are not among Today's Target, don't fret. Your turn may be next!

Dyson

FROM PAGE 1

"I wasn't beating him, I wasn't hitting him, I wasn't killing him. I was spanking him on his hand. A white woman saw me, and called the police on me. I was teaching at Hartford Seminary. They stopped me in front of the seminary. They pulled me out of my ride. My son was in the back. 'What you doin' to

my Daddy?' I said, 'This is because of you, Homeboy!'

"I said, 'Sir. Mr. Policeman.' This was way before Rodney, but I knew what time it was. Yes, I got real, real gracious. I said, 'Mr Policeman, sir, I'm just here disciplin- ing my child so that he won't be a menace to society.' They pulled me out the car. I said, 'I'm a professor here at Hartford Seminary.' He said,

'Yeah, and I'm the Pope.'

"He then proceeded to throw me against the car. I said, 'Sir, you're making a tragic mistake.' He says, 'Sure.' Three other cars proceed to pull up. And then they're trying to justify their own treatment by trying to verify whether or not I'm his father, although my wife and child are sitting there in the car telling him who I was."

Everyone present was amazed at the variety of stories he had to tell, and the vibrant vocabulary and gesticulation he used to embellish them.

There has been some discussion about bringing Dr. Dyson back to speak for the King Day celebration next January. If he is half as provoking as he was his last weekend, he will be sure to make an impression that this campus will never forget.

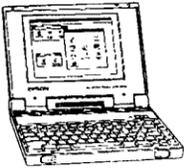
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Notices

The Foundation for Student Communication at Princeton University Business Tomorrow Programs Conference - November 17-19, 1994.

Summer Fellowship Mailing. To sign up to receive fellowship information over the summer current junior and graduating seniors should come by the fellowship office before the end of this term. Please read through the fellowship guide that you will soon receive in campus mail as you will be asked to indicate which fellowship you wish to receive information on. Call Lauren Stolper at extension 2150 if you have any questions.

Attention Campus Employers! Do you have a job that a Caltech student could do for the summer-office work, lab work, any odd jobs? You can advertise them in the Career Development Center. Please call x6361 or visit us in Room 08 Parsons-Gates.

Learn the Swing Hustle! You'll look hot at the ASCIT Formal or just have fun learning. Scott Driggs and Jessica Barnett are teaching Thursday nights from 9 p.m. to 10 p.m. in the Winnett Lounge. Bring your friends! Have fun!

***TODAY, Friday May 6, Dr. Murray Gell-Mann** will sign his new book, *The Quark and the Jaguar*, from 12:30 to 1:30 at the Athenaeum.

On Tuesday, May 24, author Jonathan Weiner will sign his new book, *The Beak of the Finch*, from 12:00 until 1:00 at the Caltech Bookstore.

Blake Course

***Lit 180. Special Topics in Literature: William Blake. 9 units (3-0-6).** We will confront, and do our best to understand, the sometimes beautiful, sometimes bizarre, but always challenging work of the British poet, artist, engraver, and revolutionary. The course will focus equal attention on Blake's visual and verbal productions, with a special emphasis on text/design relationships and his illuminated books (exclusive of the major epics). We will begin slowly, with Blake's early work, and build to his more difficult mythological poems of the 1790s and the major drawings and prints of his later years. We will also want to wrestle with some controversial issues. Was Blake crazy? Was he a proto-feminist or a misogynist, a proto-Marxist or a traditional Christian? Instructors:

Essick, La Belle.

***The Caltech Y presents Broomball Team signups** on Monday, May 9 at 1 p.m. in the Y. Teams will play at the Pasadena ice rink on Saturday, May 21.

Coming Events

***Entrepreneur Club Social**—May 12 at 8 p.m. in Baxter Lecture Hall. Speaker: John D. Baldeschwieler who is on the board of directors of the Southern California Entrepreneurship Academy. He is also a professor of Chemistry at Caltech Refreshments will be served. For more info contact Samson Timoner, samson@ugs. Open to all interested individuals

***TACIT meets TUVA**—Led by Kongarol Ondar, the Voices of Tuva will perform in Caltech's Ramo Auditorium on Tuesday, May 10 at 7:30 p.m. These singer will demonstrate several styles of hoomei, the vocal art by which a Tuvan soloist can sing two notes simultaneously: from kargyaa, a subharmonic style similar to the chanting of Tibetan monks, to sygyt, an "in-your-face" display of overtones. This quartet of throat singers includes Gennandi Tumat, one of two singers to serenade the Dalai Lama in Tuva during his historic visit there in 1992. An introduction will be provided by Albert Hibbs in addition to a performance by members of the Theater Arts at Caltech (TACIT) "singing" to the Tuvans.

***Sherilyn Menten** will personally narrate her travel film "Costa Rica" on Friday, May 6 at 8 p.m. in Caltech's Beckman Auditorium. This is an Armchair Adventures presentation. Tickets are \$8.00 and \$6.50, available at the Caltech Ticket Office and all Ticketmaster Ticket Centers.

***The Chenille Sisters** present their doo-wop harmonies on Saturday, May 7 at 2 p.m. in Caltech's Beckman Auditorium. This is a 60-minute Family Faire presentation designed especially for children and their families. Tickets are \$8.50 adult and \$4.50 children, available at the Caltech Ticket Office and all Ticketmaster Ticket Centers.

***James Dapogny's Chicago Jazz Band** will appear in concert with The Chenille Sisters on Saturday, May 7 at 8 p.m. in Beckman Auditorium. Tickets are \$22.50 to \$27.50, with a \$2.00 youth discount. Student and senior rush tickets are available for \$7.50 beginning half and hour before the performance, subject to availability. See Caltech Ticket Office for Tickets, or any Ticketmaster Ticket Center.

Events and Notices

Pianist Andre-Michel Schub and violinist Cho-Liang will give a Coleman Chamber Music Concert on Sunday, May 8 at 3:30 pm in Beckman Auditorium. Fifty free tickets to this concert are available to the Caltech students with ID (limit two free tickets per ID) beginning on May 2. Call x4652 for further information.

***Images of American Labor Film Series** presents: *Roger and Me*, Monday, May 9, 1994 in Baxter Lecture Hall at 7:30 PM. Free and open to the Caltech community.

***Chamber Music Concert**—Saturday, May 14, 1994 at 8 p.m. in Dabney Lounge on the Caltech campus. Admission is free. Call (818) 395-4652 for more information.

Club Meetings

Caltech SEDS meets every Sunday evening at 9 p.m. in 107 Downs to discuss and plan for its \$4 million satellite proposal. Help is needed from undergraduate and graduate students, and advising is needed from research fellows, faculty and staff. Experience with space hardware or with the specific experimental subsystems (gamma-ray astrophysics and atmospheric chemistry) is not necessary. All members of the Caltech/JPL community are welcome. Contact Ben McCall at x2902 or bjmc@cco. Lectures and Seminars

***The Caltech Amateur Radio Club** will meet at 7:30 p.m. on Tuesday, May 10 in the Y Lounge. We will discuss plans for future programs and projects. If you would like more information, or if you would like a copy of our recent newsletter, please contact Dave Ritchie at (818) 683-8800, or post your request to our newsgroup, citarc@nntp-server.caltech.edu.

Scholarships, Fellowships, Internships and Competitions

***Teaching assistantships for the Young Engineering and Science Scholars Program (Y.E.S.S.)** are available for Summer '94 in the following areas: physics, biology, geology, and computer science/logic skills. Y.E.S.S. is a five-week residential program that exposes 40 high school students to the joys of intensive scientific investigation. The program runs from July 5th to August 5th. Applications are available in the Vice President for Student Affairs Office and are due on Friday, May 6th. Contact Athena, x6321, for more information.

Poetry Contest: Pickenpaugh Literary

agency is holding a free contest. Poets may enter 1 to 3 entries, 30 lines or less on any subject, any style, or essays 300 hundred words less. Send entries with SASE to: Poetry, PO Box 2894-C107, Vacaville, CA 95696. Deadline is July 15th, 1994.

The Kirby Company is continuing its annual college scholarship program, "Makin' the Grade." Scholarship range from \$250 to \$1000 dollars. Participants work as full-time and part-time independent Kirby dealers during June, July and August, competing for monthly scholarships based on sales performance. For more information, contact your local Kirby distributor or call (216) 228-2400 or write The Kirby Company, 1920 West 114th St., Cleveland, OH 44102-2391.

Lindbergh Fund—The fund grants awards up to \$10,580 to undergrads, grad students, post-docs or faculty who need funding for research in one of the following areas: aviation/aerospace; conservation of animal, plant, water, energy, air, land, etc. resources; education in the arts, humanities; intercultural communication; health and biomedical research; adaptive technology; waste minimization and management; and agriculture. Applications for this fellowship must be postmarked by June 14. Contact Lauren Stolper at x2150 if you would like more information or an application.

Grants for Graduate Study—This book is being called the "premier national directory of grants and fellowships for graduate study." It is available for student review in the Fellowship Office in Lloyd House and may be checked out over the weekend. Call x2150 for information.

Grants for Post-Doctoral Study—This book is an excellent resource for graduate students or current post-docs seeking information on major sources for post-doctoral funding. It is available for review in the Fellowship Office in Lloyd House. Call x2150 for information.

STUDYABROAD is a new resource that provides complete information on over 1,300 programs spanning the world. If this is an area that you are considering this book is a good place to explore options. *STUDYABROAD* is available for review in the Fellowship Office. Call extension 2150 for details.

The Financial Aid Office has applications and/or information on the following and additional scholarships. All qualified students are encouraged to apply. Our office is located at 515 S. Wilson, second floor.

Jewish Family and Children's Services is accepting applications for student loans, grants, and scholarships of up to \$5000. Jewish students who are residents of San Francisco, the Peninsula, Marin or Sonoma Counties (for scholarships and grants), or residents of the Bay Area (for student loans), and who demonstrate financial need and academic achievement are eligible to apply. To receive an application, call (415) 561-1226 or come to the financial aid office. Applications are accepted throughout the year.

The John Gayles Educational Trust is offering financial assistance to Canadian and American citizens. Selected students will receive up to \$2,500. A minimum GPA of 2.7 is required. Deadlines range from April to November. For an application, send a self-addressed, stamped #10 envelope to: The John Gayles Education Fund, Attention R. James Cogle, Administrator, P.O. Box 4808, 712 Riverside Drive, Fredericton, New Brunswick, Canada E3B 5G4.

The Society of Women Engineers announces its 1994-95 Freshman and Reentry Scholarship Programs. The Freshman Program consists of 8 scholarships of \$1,000 each for entering woman engineering students. The Olive Salembier Reentry Scholarship is designated to encourage and aid women in reentering the job market as an engineer after being out of the work force for a minimum of two years. Applications and supportive materials must be postmarked on or before May 15, 1994.

The Los Angeles Chapter of the National Black MBA Association will be awarding three \$2,000 scholarships to qualified African American students. Applicants must be enrolled in a full-time graduate business or management program, in the state of California, in the Fall or 1994 and Winter of 1995. Applications must be postmarked no later than May 18, 1994.

The National Hispanic Scholarship Fund is offering scholarships to qualified Hispanic students. Applicants must be full-time, day-time students who have completed a minimum of 15 college credits and are U.S. citizens or permanent residents of the U.S.. The deadline to submit applications is June 15, 1994.

The Bakersfield Desk & Derrick Club is accepting applications for the Wilma Addington Memorial Scholarship. Applicants must be Kern County residents, and must be pursuing a degree in an energy related field. Application in letter form should be submitted to the following address: Jan Walker, Chairman, Desk & Derrick Club Scholarship Committee, P.O. Box 11064, Bakersfield, CA 93389-1064. The Financial Aid Office has more details. Applications are due September 1, 1994.

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