

Nikon to Support Caltech SEDS Space Endeavour

from Nikon Inc.

Melville, N.Y., April 18, 1995 — For the first time, Nikon has joined the Students for the Exploration and Development of Space (SEDS) at the California Institute of Technology (Caltech), to participate in an important study of gamma-rays aboard the Space Shuttle *Endeavour* in July. Nikon will provide the students with an F4s camera, a 58mm f/1.2 lens, specially designed for space viewing applications, and an MF-24 Multi-Control Back. Nikon will also consult on the photography aspect and provide technical assistance to the students. "We have chosen the F4s because it is a rugged camera that will be able to withstand the rigorous conditions in outer space while providing clear, bright, top-quality images," said Richard LoPinto, vice president of Nikon's Photo Marketing Division. "We are pleased to assist the students of Caltech in furthering man's knowledge of outer space on the *Endeavour* mission."

The project, Gamma-ray Astrophysics Mission, California Institute

of Technology (GAMCIT) was designed by the students to detect gamma-ray bursts. Gamma-ray bursts are characterized by a rapid increase in the observed gamma-ray flux, followed by an exponential decline to the background levels of low earth orbit. These bursts represent one of the most energetic and violent phenomena observed in the universe.

While many experiments have studied gamma-ray bursts, their origin remains one of the great mysteries of modern physics. In order to search optical flashes associated with these bursts, an electronic system will trigger the F4s to collect images when a gamma-ray burst is detected. The discovery of even a single optical flash coincident with a gamma-ray burst might well provide the key to the cause of these phenomena.

Nikon equipment continues to fly on every manned space flight and has since Apollo 15 on July 26, 1971. Twice a year, Nikon representatives fly to Johnson Space Center in Houston to train astronauts in how to take pictures in space. Each training session begins with two to three hours

of classroom instruction. Next, the Nikon pros and the astronauts board a full-sized shuttle simulator for several hours of hands-on equipment practice, followed by end-result evaluation.

Nikon also continues to supply photographic equipment to visiting news photographers attending launches. Since these news photographers must be four miles away from the launch site and the equipment, the Nikon technical representatives train and assist the photographers on the use of remote photography. Nikon pros also assist with the installation of remote cameras at special sites at each launch complex, at NASA's request. (Nikon began this service with the Apollo 15 launch.)

Nikon Inc. is the U.S. distributor of world-renowned Nikon 35mm cameras, speedlights and accessories, Nikkor lenses, Nikonos underwater photographic systems, Nikon eyewear, Nikon sports and recreational optics, electronic imaging products, and biomedical, industrial, ophthalmic and surveying instruments.

Caltech Awards Outstanding Scholars

**Gisela Rodriguez Sandoval is
Awarded Mabel Beckman Prize**

Gisela Rodriguez Sandoval has won the 1995 Mabel Beckman Prize. This award is dedicated to the memory of Mabel Beckman who supported Caltech as a friend and benefactor for over fifty years. The prize bearing Mrs. Beckman's name is awarded annually to a woman student upon completion of her junior or senior year and is made in recognition of demonstrated academic and personal excellence, contribution to the Institute community, and outstanding qualities of character and leadership.

Gisela, a senior in biology, has demonstrated qualities of outstanding leadership and service during her four years as an undergraduate at Caltech. She has been a very active and involved member of the Freshman Admissions Committee, the Academic Policies Committee, and the Core Curriculum Task Force. She has demonstrated her concern for the future of Caltech and its undergraduates by representing the undergraduate opinion while serving on these important committees and others.

She was involved in establishing the Women's Center at Caltech and assisted in the selection of its director. She also helped start a Big Sister/Little Sister program for the freshman women. Her efforts have helped strengthen support for women stu-

dents at Caltech. Gisela will be honored with the Mabel Beckman Prize at commencement on June 16, 1995.

**Stanley Grant III and Flora Ho
Win Hinrichs Award**

Stanley Grant and Flora Ho are the winners of the 1995 Hinrichs Memorial Award. Established by the Board of Trustees, this award is given in memory of Frederic W. Hinrichs, Jr. who served for more than 20 years as a dean and professor at the Institute. In remembrance of his honor, courage, and kindness, the award bearing his name is made annually to seniors who have made the greatest contribution to the student body during their undergraduate years at the Institute. The award also recognizes students of outstanding character, leadership, and responsibility.

Stanley was selected for the exceptionally capable leadership and service he has provided during his years at Caltech. He has been both secretary and president of Ruddock House, as well as Junior Class President. In addition, he has served on several significant committees, including, most importantly, his role as Chairman of the Interhouse Committee. As IHC Chair, Stanley did a superb job of allowing others to fully express their views while guiding the group to well-considered goals. He has worked very hard to represent the

opinions of the student body. Stanley is a model for all student leaders and has enormous respect from his fellow students.

Flora was selected for her outstanding leadership and skills for the service she has provided to her fellow students during her years at Caltech. She has held numerous important offices and served on several important committees. Most notably, she has been the ASCIT Director for Academic Affairs for the past two years. Among other things, she was responsible for overseeing the project that put the undergraduate teaching reviews (CLUE) on-line on the World Wide Web. She coordinated the 1994 Student-Faculty Conference, which addressed campus concerns via Honor System, Improving Communications, Quality of Teaching, and Core Curriculum subcommittees. As Chair of the ASCIT Educational Policies Committee, she drafted a proposal for freshman pass/fail policy to present to the Academic Policies Committee.

Their dedication to service, their ability to lead a broad group with diverse viewpoints, their personal integrity and strong interpersonal skills make both Stanley and Flora valuable and influential members of the Caltech community. They will receive the Frederic Hinrichs, Jr. Memorial Award at commencement.

Don't Like Campus Life? Read this!

Do you have any complaints, suggestions, or ideas about improving campus life at Caltech? If so, contact the **Student Affairs Advisory Committee** which is designed to discuss various issues related to the quality of life at Caltech and execute the changes necessary to improve life at Tech. Some issues that have already been discussed; having the lawn mowed around student houses at 10:00 am instead of 8:00 am, extending library hours after 1:00 pm, abolishing the need to have advisors sign add cards, etc. Student life at Caltech could improve greatly; however, the committee needs your suggestions, no matter how trivial, for implementing any needed changes. Please send any suggestions to saffcom@ugcs.caltech.edu or speak directly with the students, faculty, and administrators Sally Asmundson, Kevin Austin, Jim Beck, Dann Eckstein, Steven Frautschi, Leah Foechterle, Barbara Green, Richard Murray, Mike Pawson, Rees Price, Saurabh Saha, Kathleen Tozer, Kim West, and Jian Zhang.

Japanimation Across the Nation

Have you ever heard of anime, or perhaps Japanimation? Maybe you've heard it's really cool. Drop by this Friday and Saturday at 7pm to see what it is about.

Friday:

My Neighbor Totoro; Patlabor (movie 1)
Kyuuketsuki Miyu #1-2

Saturday:

Koko wa Greenwood 1-4
Laughing Target
KO Century Beast Warriors 1-3

Meet the First Director of Technology Transfer

by Jessica Chang

Due to increasing interest among the Caltech community, an Office of Technology Transfer was recently created. The position of director of the office will be filled by Mr. Lawrence Gilbert. The Entrepreneur Club invites you to join us and welcome Mr. Gilbert on Thursday 4/27 at 4:30 pm in Baxter Lecture Hall. He will give an informative talk about patents titled "Intellectual Property as a Vehicle for Forming Start Ups," as well as share with the audience what his future plans are as the director of the Office of Technology Transfer. Refreshments will be served at the meeting.

Mr. Gilbert is an experienced

patent attorney who was formerly the Director of Patent Licensing at MIT and Boston University. A founding member of the Society of University Patent Administrators (now acronymed AUTM), he has been a frequent lecturer on patent matters to the University community. His background also includes contribution of several articles to *Les Nouvelles*, the journal of the Licensing Executives Society. Mr. Gilbert has been engaged in university patent administration since 1966, and has been actively involved in creating over twenty university start-ups, such as Health Payment Review and Summit Technology, in the past 12 years.

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California Tech Meeting Place Changed!

The staff of *The California Tech* will meet in **SAC 33** (by the gaming room) tomorrow instead of in the Coffeehouse. Everyone is welcome to attend!

Letter to the Editor

My complaint about Chris Foley

It seems that before I launch into this letter, I should tell you that it's hard to fathom just how foul-mouthed Chris Foley is. One of my objectives is to give you the following information (which Foley wants concealed from the public). He leads me to believe that he is lackluster. He can't discuss anything without talking about solipsism. This state of affairs demands the direct assault on those pathetic philosophies that seek to traduce and discredit everyone but uncontrollable recidivists. Foley represents a new breed of ugly deviants. He is living in a dream world. Cannibalism is the driving force behind his morals. Nevertheless, "complacent" is his middle name. I can barely contain myself from going into a laughing fit when I see one of these petulant slob.

Above all, Foley is so sappy, I could barf. What will be the next object of attack from his camp? You

can observe a definite bias in his practices relating to yellow-bellied simple-minded antagonists. He is not just revolting; he's illiterate, too. I undoubtedly do not intend this letter to be in any way misinterpreted as a personal attack on Foley. His ideals occasionally differ in terms of how cynical they are, but generally share one fundamental tendency: They foment callous forms of political tyranny. Why doesn't he try doing something constructive for once in his life? One could argue that it's a sad world where inconsiderate counter-productive scoundrels have the power to advocate treacherous ideas.

Foley is not known for interpreting facts rationally or objectively. It is ridiculous that I have to be faced by vermin whose insecure viewpoints are constantly treated with apathy. He always sounds like he's reading a prepared speech. Granted, I will let

his record speak for itself. But you probably know exactly what I mean. I must protest Foley's use of belligerent losers to portray crass children as used-car salesmen. Lest I forget to mention this later, the cliches of Foley's practices are well-known to us all. I was, however, going to forget about the whole thing when it suddenly occurred to me that Foley's statements are closed-minded to the core. Foley's claims are pure tripe. For those of you who don't know, there is little doubt that Foley is deliberately manipulating the facts. In a nutshell, I don't see how Chris Foley can be so sententious.

Ken Walsh

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.



Editorial

Walsh and Foley: A Duad of Dolts

Before I project myself into this diatribe, I have some preliminary remarks to make. It is a sad day indeed when once-respectable students resort to copious and extensive degrees of perjorative appellations. Chris Foley and Ken Walsh are a prime example of such scum. Not only are abundant amounts of negative remarks slung through the mud at directed targets, but strong evidence reveals that the name-bashing is not only spurious, but also foul-smelling as well. It is with great regret that I adopt when mechanized procedures can be used to generate dangerous text like those of Messrs. Foley and Walsh. The long and short of it is that the two primary co-targets take a jocular attitude toward the whole matter, and make a mockery of our publication by employing it as a forum for their levity.

I cannot fathom what motivations would bring persons that were once honorable to this sorry state. Both curs (I balk at labeling them examples of *homo sapiens*, them being neither men nor sapient) whine constantly without any regards to truth and morals. Excessively decorative language is utilized in order to mask capricious and plaintive comments. We here at *The California Tech* cannot condone such provocative behavior. That the text is generated unwarrantly without self-restriction does nothing to ameliorate us with regards to the entire affair. If any kernel of truth had ever existed in the original argument, it has been

long lost to antiquity along with the Staff of Moses. We shall no longer pussyfoot around these pusillanimous mockeries of literature.

Indeed, both suspects flaunt their words as if it contained high pizzazz and stylistic metaphorical speech. In truth, it is nothing but undying pleats and pleats of staccato grandiloquence. For example, who can tell the whys and wherefores of their rhetorical questions? Each one is equally senseless and precocious in its own way.

I have even less to say about their characters. Through this insane affrontation, I have less regard for them than a single iota of psoriasis malady. These pubescent excuses of puerility only serve to show the rusticity of the extreme malarkey they are attempting to foist upon our weary eyes. Allow me to indulge myself in some apostrophe. Ah, if only their modes of expression were more reticent, I would have eternal gratitude to the powers that be. The interplay between the two is a prime example of inexpediency, and their ineptitude with the handling of prevarication only serves to make them appear as if an immense set of thesauri. I am confident that our readers will tolerate these histrionic quarrels no longer.

In summary, I yearn for the return of terse, prosaic, and more champaign verse to our language and the stamping out and abolishment of extreme redundancy and double-speak such as this.

Wei-Hwa Huang

Wei-Hwa Huang

SOMETHING DIFFERENT AT CALTECH

Amadeus **Armchair Adventures**
A Traveler in Italy
TONIGHT AT 8 PM
Beckman Auditorium
\$8.00 - 6.50

NEW VIC THEATRE OF LONDON
SATURDAY
APRIL 22, 1995
8 PM
Beckman Auditorium
\$31.00 - 28.00 - 25.00
HUNCHBACK OF NOTRE DAME

Lagerstrom Chamber Music Concert
ROBERT HAAG
Piano
SUNDAY, APRIL 23, 1995 / 3:30 PM
Beckman Auditorium
FREE

Capitol Steps
FRI. & SAT.
APRIL 28 / 29, 1995
8 PM
Beckman Auditorium
\$31.00 - 28.00 - 25.00

COLEMAN CHAMBER ENSEMBLE
COMPETITION WINNERS CONCERT
SUNDAY, APRIL 30, 1995 / 3:30 PM
Ramo Auditorium
\$10.00

CALTECH DISCOUNTS

CIT STUDENTS:
Half-price tickets now on sale for Italy and Capitol Steps. **\$8.00 RUSH** tickets now on sale for Hunchback; they will go on sale 4/28/95 for Capitol Steps (subject to availability). Fifty free tickets to the Coleman concert will be available on Monday.

CIT STAFF / FACULTY:
Half price TECHTIX now on sale for Italy and Hunchback. \$2.00 off on tickets to Capitol Steps now; half-price TECHTIX go on sale 4/28/95 (subject to availability).

Call the Caltech Ticket Office at x4652

ATTENTION: FINANCIAL AID RECIPIENTS

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

If you wish to:

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

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

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

Thank you for your cooperation.

SUMMER WORK-STUDY APPLICATIONS NOW AVAILABLE

Information and applications for 1995 Summer Work-Study are available in the Financial Aid Office. If you are interested in Summer Work-Study, please submit the required application as soon as possible, but no later than June 1, 1995. Your entire financial aid application must be completed by June 1 to be considered. If awarded, the work-study funding will begin with the July 3rd payroll period.

The California Tech

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S P O R T S

Caltech Cycling Rounds the Bend One Last Time

by Michael Kantner

On April 2, Caltech Velo hosted a bicycle race on campus. Approximately 60 students from across California competed against each other in a miss and out criterion. The race was held in the Lura parking lot, north of Beckman Institute. Each of the 6 races started with several laps containing primes, prizes awarded to the first person across the finish line, and ended with the miss and out. In the miss and out, the last person to cross the finish line was removed until only 3 people were left. The final 3 then sprinted for 1st, 2nd, and 3rd.

Jason Maron, in his first race of the year, was Caltech's entrant in the Men's D race. Being a poor sprinter, he was the first person removed during the miss and out. Cyrus Behroozi, in his second Men's C race of the year, placed 8th. He recently moved up from the D category to the C category, and is racing well. Michael Kantner placed 6th in the Men's B race in an uneventful race.

Caltech's women were even more successful. Keri Ryan and Jody White raced in the Women's A category. Keri, in her first race, placed 5th. Jody, who is currently ranked 16th in the state, place 2nd. Going into the final turn, Jody, Beverly Anderson (SDSU), and Regna

Meenk (UC Riverside) were grouped together. Jody chose to sprint up the outside. Beverly, slightly ahead of Jody, chose a line that kept Jody boxed in against the curb. Jody was squeezed out, and settled for 2nd. Regna, having the entire inside lane to herself, nearly nipped Jody at the line, but finished 3rd. Jody also collected several primes during the race.

In the overall team standings, Caltech finished 7th for the day. Most racers had a good time, including Scott Yu (UC Davis), who said, "Overall it's been the best weekend that I've had for this year. I hope Caltech puts on the same race next year. I'll definitely do it and I'll try to convince more Davis riders to go down and do the race."

For more information on collegiate cycling, contact Michael Kantner at x4882 or cycling@cco. One day racing licenses are available, and there are races for all skill levels.

Final Cycling Results:

School	Day Points
UC San Diego	239
CP Pomona	175
UC Riverside	83
UC Irvine	81
UCLA	75
SDSU	69
CALTECH	65
CSU Fullerton	47
CPSLO	28
UCSB	22
CSU Northridge	19
UC Davis	7
Claremont	4

Caltech Men's Volleyball Finishes 13-7

by Richard Chin

The Caltech Men's Volleyball Club played its last three matches of the season over the last two weeks. Inconsistency, which had been a problem before the break, again reared its ugly head.

When Caltech visited Pasadena City College, the club brought a team that was plagued with injury and illness, forcing several starters off the floor and others to reach for the painkillers and antihistamines. Coupled with a lack of consistent practice resulting from spring break, the team succumbed quickly to a motivated PCC squad in a quick three sets.

Angry with its poor performance at PCC, the club then traveled to La Sierra University the following Tuesday, determined to redeem itself. The starters were present and healthy again, so the only worry was the lack of practice. The first game showed the rustiness of the Caltech squad as it gave up a large lead to the La Sierra team. However, the fluidity and cohesiveness reappeared as the players re-familiarized themselves with each others' quirks and abilities, and Caltech started to come back. Unfortunately, the lead that La Sierra built in the beginning was too great for Caltech to overcome, and La Sierra ended up taking the game, 15-12. The second

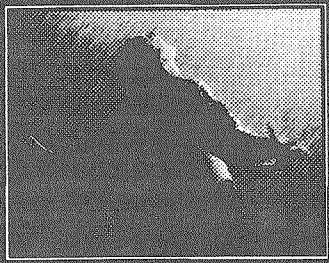
game showed Caltech's true mettle as the squad came out with all guns blazing. Andreas Masuhr and Brendan McKenney clicked with the passing, allowing Chad Edwards his pick of options: allow Mark Loneragan to hit over the block from the right, Stuart Demcak or Ken Wiberg to hit over the block in the middle, or Masuhr or McKenney to hit over and around the blocks from the power side. Strong serving from all members and formidable defense and blocking allowed Caltech to take the game quickly. La Sierra began to wake up to the fact that Caltech was a much stronger team that it had appeared in the first game, but it could not muster up the offensive weaponry or defensive scrambling necessary to keep up, and Caltech took the match in the next two games.

Caltech was then psyched up for its last match of the season against Cal Poly Pomona, which it had beaten earlier in a heart-stopping five-set match. However, Caltech again started poorly, giving up a big lead and not being able to recuperate in the first game, giving CPP an early advantage. CPP became a bit complacent in the second, though, and Caltech was able to firm up its entire game in the second and third, blowing away the CPP squad with such authority that the match seemed

to be a foregone conclusion. Unfortunately, the same complacency struck the Caltech squad in the fourth, and after an arduous side-out battle, CPP came out victorious, 16-14. The last set was not much better for the Caltech squad as the excited CPP team prevailed in a 15-11 game.

As the indoor season ends and the team's thoughts turn to grass and beach venues, the Caltech Men's Volleyball club can say that it is pleased with its success this past year, as it more than recovered from personnel losses from the previous year's squad to be able to string together a 13-7 record. Though most members will still be around for the next year, the team would like to thank graduating senior, middle blocker, Daniel Chang, and postdoctoral fellow, setter, Dave Perkel for their outstanding efforts and contributions to the team, and we hope that they are as successful in their future endeavors. Furthermore, the team would like to express its thanks and appreciation to coach Aaron Kiely, who is taking a hiatus from coaching for the next year, for the sacrifice of time and energy he made in supporting the squad. Finally, most of all, the team would like to extend special thanks to its most devoted friends and fans—you know who you are—without whom the season would not have been possible.

A MONUMENTAL ACHIEVEMENT!



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Best Foreign Film

Burnt by the Sun

Daily 5:30, 8:30 p.m.
Sat-Sun Bargain Matinee 2:30 p.m.



CAL TECH JAZZ BANDS

SUNDAY
APRIL 23, 1995
8:30 PM

Caltech Jazz Bands to appear at local jazz club, The Baked Potato. Reservations are recommended. General Admission \$8., Students \$4. For further information please call 818-564-1122.





The BAKED POTATO

directed by Bill Bing

26 E. Colorado Blvd., "Old Town", Pasadena



Academics Research Committee

by Topher Hunter

After much unfortunate delay, the ARC finally met last Sunday. Our main agenda item was to determine what major issues we would devote our time and energy towards. Among the issues that we will be facing this year:

- At the last Faculty Board meeting, Frosh were put on grades third term, with shadow grades second term. This new policy will take effect next year. The shadow grades will only appear on frosh pink slips, and will not be available to the Registrar's Office. Due to the strong support among the Faculty Board, and a split opinion among the students, the ARC will not be expending energy to contest this change.

- Also at the Faculty Board meeting, Dean Kiewet tabled his own "Dump the D" proposal due to lack of current support. The ARC is in agreement that we intend to fight this policy when it resurfaces.

- The ARC will try to get the Registrar's Office to change some of the course titles on our transcripts so that they better indicate the course

material. The most important class on this list is Ma 1.

- We will be taking a survey in a few weeks on student-Registrar relations. We are interested in finding out what facets of our relations should be improved/changed/polished.

- The Caltech Course Catalog has several confusing and/or disjoint areas, and we would like to identify and improve these areas.

If you have any questions, comments, or ideas on the ARC, contact your house rep, one of the reps-at-large, or the chair or secretary. Here's a complete list of the ARC members:

- Ken Walsh, chair
- Topher Hunter, secretary
- Eric Dickson, Blacker
- Prista Charuworn, Lloyd
- Kohl Gill, Ricketts
- Paul Vigil, Fleming
- Irene Wong, Page
- Dave Bacon, Ruddock
- Chris Walker, Dabney
- Jessica Chang, At-Large
- Jennifer Miller, At-Large

YNEWS

by Topher Hunter

The Prefrosh are coming! The Prefrosh are coming! For those two or three Prefrosh out there who might actually read this column, the Y News is a weekly notice of events and activities from the Caltech Y. The Y is an independent student service organization dedicated to the improvement of cultural and social life on campus. If you'd like to find out more about the Y, we're upstairs in Winnett Center, or you can find one of the members of the ExComm, the student body that plans, organizes, and runs many of the Y's events.

Today is Earth Day, and celebrations are going on from 11am-2pm on Winnett Quad. Drop by and enjoy fun and educational activities related to the 25th anniversary of Earth Day.

Remember, folks, the Y mountain biking trips are every Tuesday and Wednesday afternoon. Drop by the Y for details. Along the outdoor vein, Mickie's Hiking Trips are still happening. There's a hike tomorrow, and another one next Saturday.

If you're interested in helping out with International Day, call Chris at x6164. We'll be holding meetings during the weeks ahead to plan our events.

95-96 ASCIT Club Budget

ANIME:	120
CALTECH CHRISTIAN FELLOWSHIP:	450
CLASES (CALTECH LATINO ASSOCIATION OF STUDENTS IN ENGINEERING AND SCIENCE):	300
CALTECH SPACE SOCIETY:	300
CALTECH Y:	900
ENTREPRENEUR:	300
FACEPLANT:	60
IEEE:	450
JAM ROOM:	750
KOREAN STUDENT ASSOCIATION	150
PREMED CLUB:	150
SEDS:	390
SELF DEFENSE:	120
SPECTRE:	150
STUDENT SHOP:	600
SWE (SOCIETY OF WOMEN IN ENGINEERING):	210
TANG SOO DOH:	150
VELO:	225
VSA (VIETNAMESE STUDENT ASSOCIATION):	150
WOMEN'S GLEE CLUB:	210
TOTAL:	\$6,135
BUDGETED FOR CLUBS:	\$7,000
THE REMAINS:	\$865

To club representatives,

If you plan to have a social event that is open to the whole campus, you are eligible to apply for money that is budgeted to the executive social committee. The BOD would decide whether the money should be granted or not.

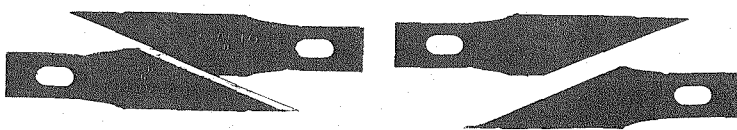
Since some notable clubs did not hand in a request before the budget meeting, we have left some money (\$865) for these clubs. If you feel your club needs money, please contact the treasurer (kannas@ugcs) or the secretary (ascit@cco).

Club money will be dispensed in a form of a check and will be given term by term. You will have to contact the BOD (well, the treasurer) when you need your check. Please be ready with the following info: whom the check should be addressed to, the mailcode that it should be mailed to, and the contact person. Although it might not be strictly enforced, requests for checks for a certain term should come before drop day of that term.

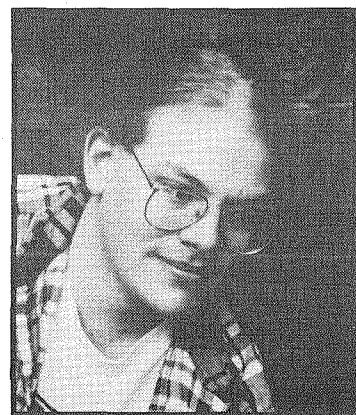
We encourage clubs to advertise their social events in the *Tech!* We are inclined to be generous to clubs that are notable for having "open" events where many ASCIT members can participate.

Please don't hesitate to ask us any questions about the above.

Kanna Shimizu, ASCIT treasurer



Top: Kanna Shimizu, ASCIT Treasurer; Bottom: Jon McDunn, ASCIT President.



SAMANTHA FOSTER

SAMANTHA FOSTER

OCEAN CORAL Restaurant
 珊瑚 瑚
 ★★ Award Winner ★★
 Mandarin Cuisine & Seafood
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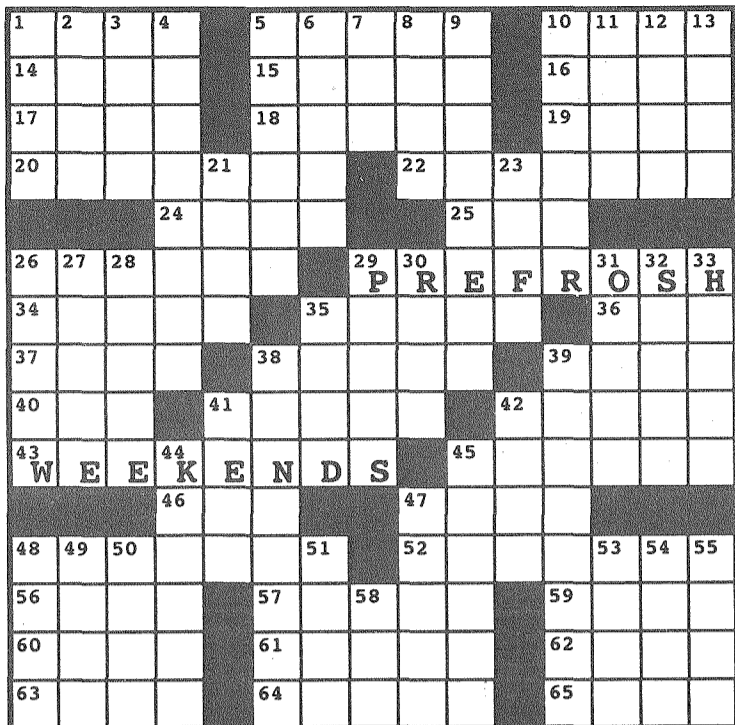
If you don't stop your friend from driving drunk, who will? Do whatever it takes

FRIENDS DON'T LET FRIENDS DRIVE DRUNK.



Crossword

edited by Wei-Hwa Huang



ACROSS

1. Caesarian section?
 5. Estate
 10. Francis "Pip" Pumphandle, e.g.
 14. Misplace
 15. Make happy
 16. Opera opus
 17. Mine entrance
 18. Straight as a rule
 19. Knocks
 20. It's now in the 30s
 22. Leslie Ann Warren in *Clue*
 24. Line up
 25. Shade
 26. Carrier
 29. Traditional Caltech visitors
 34. "Pomp and Circumstance" composer
 35. Io's volcanic level
 36. "Toy" car?
 37. Fill up
38. Cramps
 39. Funny fall
 40. Not my stuff
 41. James Pierce feature
 42. Luster
 43. Traditional Caltech celebrations
 45. Importuned
 46. Black Plague vector
 47. Clique
 48. Took out to dinner
 52. Camp light
 56. Rove
 57. Pig in "U. S. Acres"
 59. Boss in "Final Fight"
 60. Church recess
 61. Rent out
 62. Lips
 63. Pressure type
 64. Pressured
 65. Mark on a manuscript

DOWN

1. ____ in the face
 2. Fuss
 3. Take it or leave it
 4. Madison Avenue goal
 5. Adobe and Aldus, e.g.
 6. Foreigner
 7. Harass hoarsely?
 8. Inventor of the elevator
 9. Karpov's game?
 10. Stopper
 11. Grade B toothbrush?
 12. Mellow
 13. Data ____; pinball company
 21. Declare
 23. Jonathan of *Liars*
 26. Down there
 27. Run away
 28. 32-down, wide-mouthed
 29. Forces
 30. Rita's partner
 31. "ip, 'ip, ____!"
 32. What a 28-down person does
 33. Detested
 35. Library or credit
 38. Five corpuscles
 39. Peanutman
 41. Defeat
 42. Momma's mom
 44. Hoffman or Streep
 45. Smoothed
 47. Shut
 48. Pitfall
 49. End of one's ____, so to speak
 50. Sidle
 51. Scum of society
 53. What Wei-Hwa Huang does
 54. Hoarfrost
 55. Bird home
 58. Droop

Creative Korner

Fever Poem

by Mark Nelson

no one will talk to me cuz they don't want to get sick.
 my world is delirium and confusion, hot and cold.
 telegram sam. weenie vision and the california blues.
 i always need more water but i never want it.
 loneliness is usual but not habitual.
 i am jealous of those who go to work and school each day.
 the jerk left without saying a word.
 everything is noise.
 i need a friend, i have no friends.
 i lie in bed mulling over past love affairs.
 what is she doing right now?
 will the agony ever end?

Creative Korner Policy

Guidelines for Submissions.

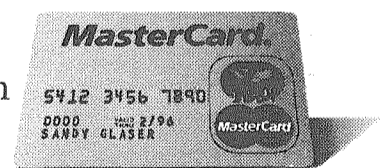
Submissions are generally creative works, such as narrative, fiction, drama, poetry, artwork, or photographs. Essayists are encouraged to submit to *The California Tech*. Most cartoons should probably belong in the Inside World.

- All submissions must be in by the Tuesday preceding the issue in which the submission is to appear.
- Submissions may not contain libelous material without consent of those being libeled. It is the responsibility of the author(s) to check on this fact. Suspicious submissions will not be printed.
- Submissions may not contain vulgarities. The editor has judgement on what constitutes a vulgarity.
- Submissions must be turned in by e-mail, Macintosh disk, or 3.5" high-density IBM compatible disk.
- All submissions will be submitted to the *Totem* after publication unless explicit instruction is given by the author(s) to the editors to the contrary.
- The author must be part of the Caltech/JPL community. Certain waivers for alumni, friends of the community, etc. may be made at the editor's discretion.
- The editor reserves the right to edit, shorten, disallow any submission, or take exceptions to these rules.

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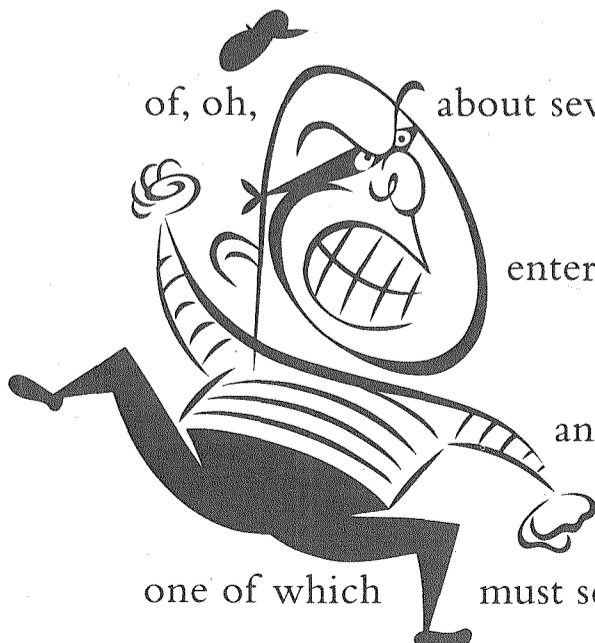


of, oh, about seven cents worth of stolen plastic. (Maybe he can use it as a coaster when he

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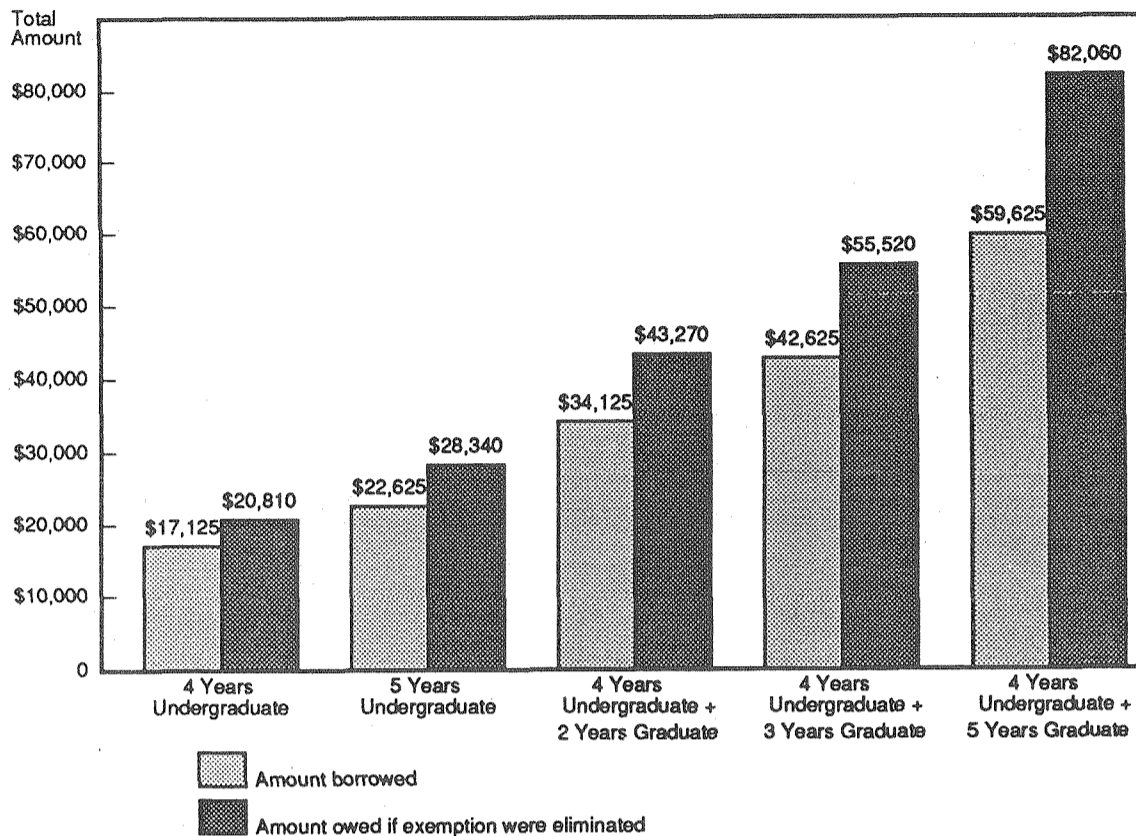
one of which must sell wallets. *MasterCard. It's more than a credit card. It's smart money.™*



How Would Loss of the In-School Interest Exemption Affect Students?

The FY 1996 budget resolution is in committee and the in-school interest exemption is in jeopardy of non-existence. The cut will save a projected value of \$12.4 billion over five years.

If the in-school interest exemption for student loans is eliminated, students' debt burden will increase significantly. The figure shows the effect on a student who borrows the maximum allowable amount. *Source:* Data from the American Council on Education. Analysis by NIICU.



Opinion

Caltech Elects Trustees on Marriage, Not Merit

by Zackary Berger

You are eligible for election to Caltech's Board of Trustees (the Trustees, prefrash, comprise Tech's highest governing body) if you are rich, well-connected, or smart. A quick dip into the Catalog's back pages, and some free association (i.e., university presidents and Nobel laureates are smart, CEOs are well-connected, and "private investors" are just rich), turns up these estimates: Twenty-five of the Trustees are w.-c., four are smart, and four distinguished by their wealth. The figures are only approximate, and the categories overlap, but you get the idea: an active brain is praiseworthy and a full billfold deserving of admiration, but a Rolodex stuffed with phone numbers of the powerful elicits something close to awe.

We can now take up the first paragraph of a recent Public Relations news release: "[Caltech] is pleased to announce that Gayle Wilson, wife of California Governor Pete Wilson, has been elected to membership on [the] Board of Trustees."

The average Techer is curious, and skims through the next six paragraphs for further details about Gayle's life. She's a career volunteer (good) with an interest in children's education (even better) and scientific literacy (excellent). She won the Westinghouse in high school, and followed it up with a bachelor's in biology from Stanford.

So it's been a productive few decades for Gayle, and the Wilsons have much to be proud of. The reader, though, wonders: if I were a Westinghouse winner (it's not impossible to find one on this campus), and devoted myself to some years of volunteer work in science education, would I be eligible for election to the Board of Trustees?

No. Listen to the press release's first paragraph, which according to journalism's tenets comprises the most important information—its core ("...wife of...Pete Wilson") tells us all that Public Relations, and by extension the Institute, thinks we need to know about Gayle. Gayle is Pete's wife, no matter what else she has done. When the Trustees think of Gayle, Pete immediately pops into their head unbidden; and as a strong candidate for the Presidency, Governor Wilson must take up a lot of space in the brain.

What have we learned? If you want to become a member of the Board of Trustees, and you are of average accomplishment, the fastest route to election is marriage—preferably to someone powerful, who bids fair to become even more powerful. That way, when the Trustees think of you, they can't help but think of your spouse; it's as if both of you come up for a vote at the same time.

When you see Gayle Wilson, that is, be polite; you might be talking to a future First Lady.

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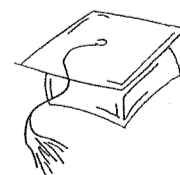
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ADAM VILLANI: MEDIA GUY

by Adam Villani

Cable TV

You may find this hard to believe, but until last week, when I got my off-campus apartment hooked up, I had never before had cable TV in a home of my own. Sure, I had watched it at friends' houses before, but I'd never had it totally at my command. Well, at the command of me and the collection of all the cable viewers served by TCI Cablevision of Arcadia/Sierra Madre. What this means is that because of the demographics of the area, our 60+ channels of ecstasy includes things like the financial news and the Weather Channel to serve the conservative old white people, numerous international stations, and the ever-popular government access channels for those of you who just can't get your fill of public service commercials telling you not to get run over by trains. This means there's no room for the Independent Film Channel, the E! Entertainment Network, or the Science Fiction Channel, and we only get Bravo twelve hours a day. So what does this mean for me? I catch "Beavis and Butthead" frequently, and there's so many channels that there's actually usually something good on most of the time, something I'd never thought I'd say about television. I've seen Jerry Brown give a rousing political speech on C-Span, a documentary on modern German dance on Bravo, and have found a new "premium" channel called "Starz!" that actually manages to show good movies most of the time, or at least better ones than they show on HBO, and I still don't watch much television. And the Beastie Boys video "Sabotage" is really cool.

Don Juan DeMarco

Don Juan DeMarco is a lush creation by first time writer-director Jeremy Leven that teeters on the edge of plausibility, but works because of the superb performance of Johnny Depp (hot on the heels of *Ed Wood* and *What's Eating Gilbert Grape*). Depp plays a young man who thinks he's Don Juan, the greatest lover the world has ever known. Marlon Brando is a psychiatrist who takes him in and listens to the story of Don Juan's life, reigniting the spark in his relationship with his wife, Faye Dunaway. Depp plays a proud womanizer yet does not come across as a cad; his occasions of self-effacing humor keep him human yet still confident. Brando and Dunaway support him well in relaxed roles that they wear like a new pair of pajamas. Ralf Bode's cinematography in particular paints a vibrant picture of Don Juan's life with warm shades of brown accented with lively colors of the rainbow; the flashbacks to the Don Juan's tale are so beautiful they must be fantasy. The movie acknowledges this fantasy but ultimately gives in, and the audience is all the happier for it. *Don Juan DeMarco* is great fun to be had at the AMC Old Pasadena and the Mann Hastings Ranch.

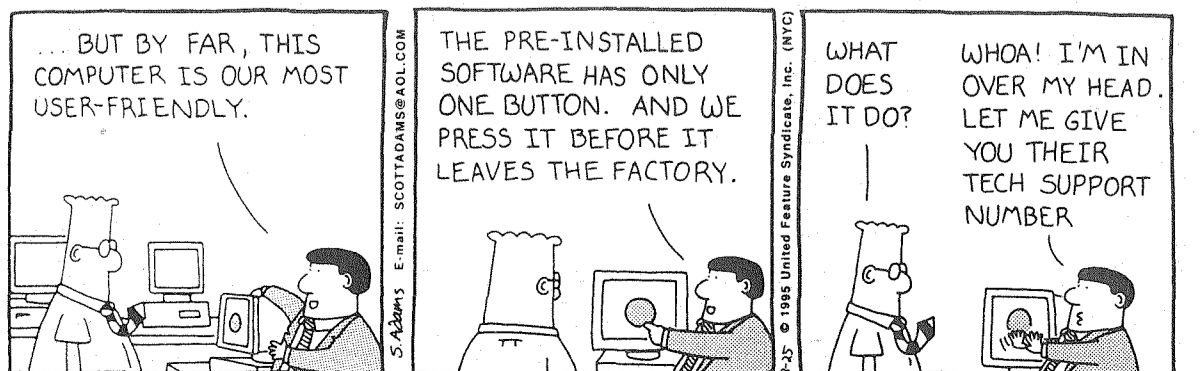
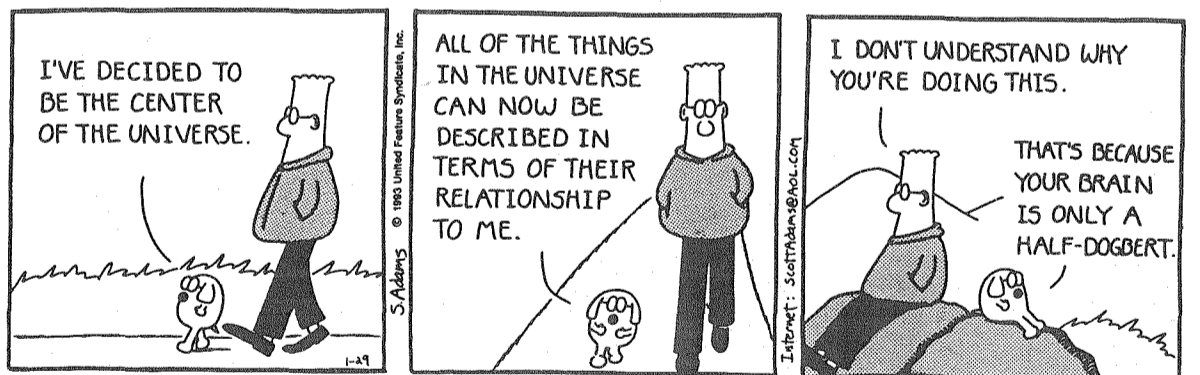
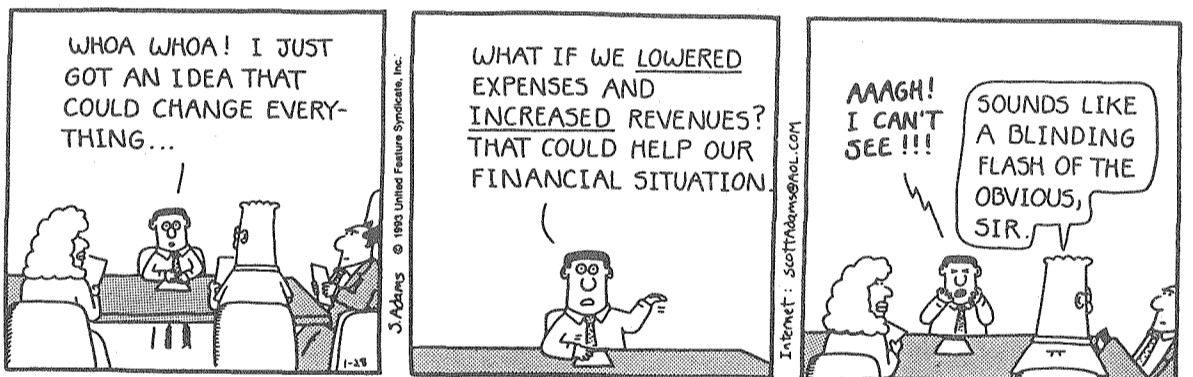
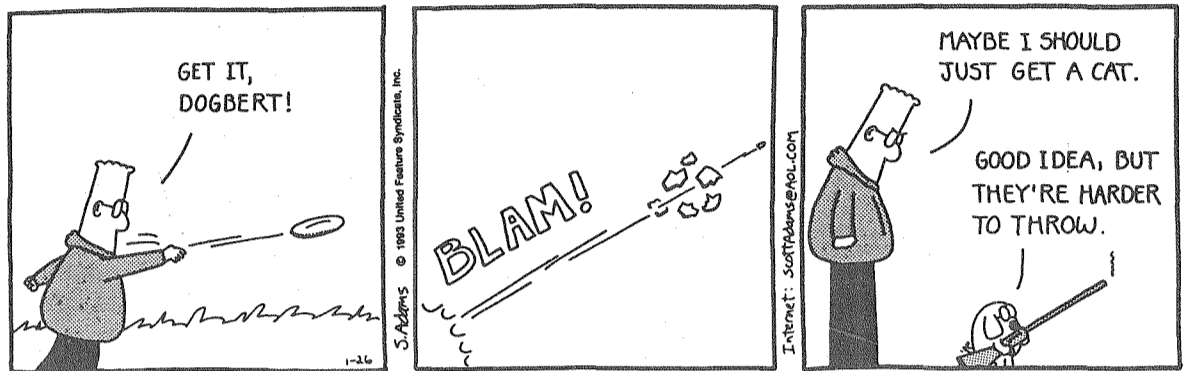
Faust

Since I gave a preview for this last time, I won't use up too much space telling you how great this new film from Czech animator Jan Svankmajer is. It only played for one week at the Nuart, but if it shows up on the midnight revival circuit or on video, I strongly encourage you to see it. The film combines many previous versions of the Faust legend with Svankmajer's own disturbing vision and is not solely animation, but a mixture of marionette work, live action, and animation. Svankmajer's work never fails to amaze and really touches something deep in our subconscious.

Tank Girl

This new movie based on the Dark Horse comic book of the same name is a fun, cartoony ride about a postapocalyptic young woman (Lori Petty, from *Point Break*) fighting against the evil Department of Water and Power (led by *A Clockwork Orange*'s Malcolm McDowell). Tank Girl has chutzpah to spare as she tears up the desert in her big tank with its big gun, and makes for a great hero. A lot of women have found this movie to be very empowering, and it's easy to see why; director Rachel Talalay has truly made an action movie by, for, and about women, unlike efforts like *Aliens* or *T2*, good in their own right, but which basically just cast women in men's roles. As far as I'm concerned, the action scenes weren't very original or thrilling, and the movie as a whole is a bit uneven, but it's nevertheless an enjoyable and important film.

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Comments? Send mail to editors@tech.

Letters to the Editor — 8 P.M. Monday
 Events and Notices — 8 P.M. Tuesday
 Unsolicited Articles — 8 P.M. Tuesday
 Regular/Semi-Regular Columns — 11 P.M. Tuesday
 Articles, News Submissions — 11 P.M. Tuesday
 Art/Photo Submissions — 8 P.M. Wednesday



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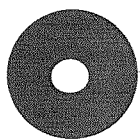
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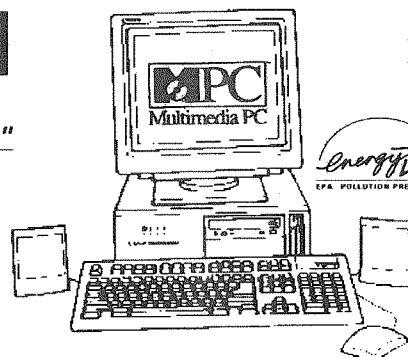


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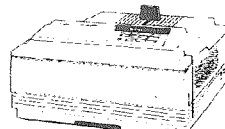
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Notices

The Caltech Y, the Caltech Environmental Task Force, and the Graduate Student Council present the 25th anniversary celebration of Earth Day 1995 Today, April 21st, between the hours of 11:30 and 2:00 p.m. in the Winnett Quad. The Caltech Earth Day will include environmental information tables, T-shirt coloring, chalk on the walk, electric cars, food, an Earth Day card, tree planting, and much more.

The signups for the IHC appointed faculty student committees and for IHC secretary and Food Chair are currently on the wall in Winnett. The deadline for sign-ups for IHC Secretary is Monday, April 17th at 9 p.m. whereas the deadline for all other signups are yet to be announced. Interviews for IHC secretary will begin on April 25th.

The Engineering AS Division announces a new course: E2, "Engineering And Entrepreneurship" with instructor Dr. Simon Ramo, co-founder of TRW. The course intends to cover such subjects as the nature of practical engineering; entrepreneurship; financing a company; manufacturing; the role of government; the international economy; environment, safety, and liability; and large versus small companies. Discussion will center around a number of current issues, such as electric vehicles, supersonic transports, the information superhighway, interactive television, genetic engineering, and others. The course will be given First Term, 1995/1996, on Tuesdays at 1 p.m. at the Ramo Auditorium.

Guitar classes are now being offered for the Spring term for all levels of guitar players. Held in the Student Activities Center Room 1 each Tuesday, Darryl Denning will offer beginning lessons from 4:30-5:30 p.m., intermediate from 3:00-4:00 p.m., and advance lessons from 5:30-6:30 p.m. For more information, please call (213) 465-0881.

Sharyn Slavin, Assistant Vice President for Student Affairs, and Stan Borodinsky, Student Affairs Administrator, invite you to stop by the Coffeehouse on Friday afternoons from 2 to 4 p.m. to talk with them. All students are welcome, and free drinks will be available. Please drop by and get to know Sharyn and Stan. They will be happy to answer questions or provide assistance.

The Caltech Muslim Student Association will hold Muslim Friday Prayers weekly in the Y-lounge at 12:15 p.m.

"Take a Break and Spend Some Time with Friends." The office of the International Student Programs would like to invite you to our Open House for coffee, tea and conversation. Every Wednesday from 4:00 p.m. - 5:30 p.m. at the office of International Student Programs, Olive Walk. Open to the entire Caltech community.

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Announcements

FROSH denotes a new announcement.

From the Counseling Center

Beginning on Tuesday, May 9th, the Counseling Center will be holding a **Management Workshop on Relaxation and Stress**. Dr. Jon Pederson and Tay Sandoz, M.A., will teach interested students a variety of relaxation techniques aimed at the management of daily stress. The workshop, which will be held over four consecutive Tuesdays between the hours of 12:30 and 1:30 p.m., will include some lecture material but will primarily consist of individual exercises in relaxation techniques including muscle tensing, imagery, passive and active concentration, and an introduction to non-mystical meditation. The focus of the workshop will be on practical methods for everyday use, which can be learned quickly with daily practice. All interested in attending are asked to contact the Counseling Center at extension 8331.

The **Gay, Lesbian and Bisexual Support Group** meets the first and third Tuesdays of each month at 7:30 p.m. in the Health Center Lounge. This confidential meeting is open to all Caltech community members looking for a supportive context in which to address questions and concerns about sexual orientation - including coming out, being out, self-discovery, coping with families.... We begin with a focus topic but move to whatever is feeling most relevant to the group that night. Refreshments are served. For information, please call 395-8331.

Coming Events

John L. Heilbron, Fairchild Scholar at Caltech, will be giving a Seminar on Science, Ethics, and Public Policy entitled "The Sun in the Church: Cathedrals as Big-Science Facilities." on Thursday, April 27th at 4:00 p.m. in the Judy Library. Refreshments will follow this open-campus lecture.

The Caltech Guitar Program presents **An Evening of Baroque Music with The Huntington Ensemble** on Sunday, April 30th at 7:00 p.m. in the Dabney lounge. The program for this free concert will include works by Handel, Vivaldi, Boismortier, and others.

Led by Jim Dolan, Research Geologist at USC, the Caltech Management Association will be hosting a **Field Trip to the Active Sights in the Los Angeles Region** on Saturday, May 6th from 8:00 a.m. to 4:30 p.m. Field trip participants will have the opportunity during the trip to examine updated research results and paleoseismologic trench data on both well known fault lines like the Santa Monica and Hollywood faults as well as more detailed information on previously unrecognized Mac Arthur Park and Echo Park Coyote Pass faults. Paleoseismologic data from these faults may have important implications for understanding the earthquake behavior of the large buried thrust faults that underlie most of metropolitan Los Angeles. The trip will leave from and return to JPL, and will cost \$25.00, with a box lunch included. Only 25 participants may join in, and all reservations are due by Friday, April 28th. All interested in participating are asked to call extension 6382 for more information.

The male and female drummers of San Jose Taiko create a contemporary repertoire by fusing traditional Japanese, Latin, Brazilian, and African rhythms in their Saturday, May 6th performance "Taiko! Taiko! Taiko!" Starting at 8 p.m. in the Beckman Auditorium.

Prices will range from \$19.00 to \$25.00 with student rush tickets going on sale half an hour before the performance begins at \$8.00 depending on availability.

Members of the **Los Angeles Chamber Orchestra** will be performing in the Dabney Lounge on Sunday, May 7th, at 3:30 p.m. in a Paco A. Lagerstrom Chamber Music Concert. This free concert will include works by Mozart, Beethoven, Dohnanyi, and Handel, as well as the premiere of Tania French's "Ancient Echoes."

The 16th annual "**Bandorama**" featuring the Caltech Jazz Bands and The Caltech Concert Band will be held on Saturday, May 13th, at 8:00 p.m. in the Beckman Auditorium. Both bands will be directed by William Bing in this free concert.

Robin Williams narrates the *Armchair Adventure "Amedeus—A Traveler in Italy"* today, April 21st at 8 p.m. at the Beckman Auditorium. Admission prices range from \$8.00 to \$6.50 through the Caltech ticket Office (x4652), with a \$2.00 discount to Caltech students and faculty, and half price TECHTIX on Friday, April 22nd.

The **New Vic Theatre of London** presents a satirical version of *The Hunchback of Notre Dame* on Saturday, April 22nd at 8 p.m. in the Beckman Auditorium. Ticket prices will range from \$25.00 to \$31.00, with a \$2.00 Caltech discount and half price tickets on April 22nd.

The **Caltech Jazz Band** will once again perform at the world famous jazz club, the Baked Potato in Old town Pasadena on Sunday, April 23rd at 8:30 p.m. The last two years the band played to a sold out audience, so reservations are recommended. General admission is \$8, students only \$4.

Robert Haag, pianist, will perform a Paco A. Lagerstrom Chamber Music Concert featuring Beethoven's Sonatas Op. 109, 110, and 111 on Sunday, April 23rd at 3:30 p.m. in the Dabney Lounge. Admission is free.

The **Capitol Steps** will perform on Friday and Saturday, April 28th and 29th, at 8 p.m. in the Beckman Auditorium. A group of current and former Congressional staffers who first began performing their musical satire as entertainment for a Capitol Hill office party, The Capitol Steps have recorded a number of albums including "Workin' Nine to Ten," "Sheik, Rattle and Roll" and "The Joy of Sax." Ticket will be priced from \$25.00 to \$31.00, with \$8.00 tickets being sold one-half hour before the performance subject to availability.

The **Coleman Chamber Ensemble Competition Winners Concert** will be held Sunday, April 30th at 3:30 p.m. in the Ramo Auditorium. Winners from four categories of the competition will perform. Fifty free tickets to this concert will be available to Caltech Students with I.D. from the Caltech ticket Office (x4652). Tickets are regularly priced at \$10.00 a piece.

The **Friends of Caltech Libraries (FOCAL) Book Drive** will be conducted throughout the month of April. Any and all kinds of books, records, and tapes are being sought in preparation for the Friends' Jumbo "Pre-Owned" Book Sale (an annual fundraiser sponsored by the group), which will be held this year on Friday, May 5th. Please bring your donations to Millikan Library (first floor) during weekday business hours.



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Fellowships and Scholarships

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

The **John Gyles Education Fund** is again this year offering financial assistance to students in the United States. Canadian or American citizenship is a requirement. Awards are available for all areas of post-secondary study. A minimum GPA of 2.7 is required. Criteria other than strictly academic ability and financial need are considered in the selection process. Selected students will receive up to \$2,500. Deadlines for 1995 are **June 15th**, and **November 30th**. Applications must be mailed by those dates. Students may receive applications by sending their request, along with a self-addressed, stamped (US 32 cent) No. 10 envelope to: The John Gyles Education Fund, Attention: R. James Cogle, Administrator, P.O. Box 4808, 712 Riverside Dr., Frederickton, New Brunswick, Canada E3B 5G4.

The **Ebell of Los Angeles** is announcing the competition for the **Ebell/Flint Scholarship**. Applicants must be U.S. Citizens who are legal residents of Los Angeles County, attending an accredited college or university in Los Angeles County and must be registered to vote here if eighteen years of age or older. Applicants must be unmarried, full-time undergraduates and have a GPA of 3.25 or above. Applications and all supporting documents must be returned to the Financial Aid Office by **April 24, 1995**.

1995-96 Merit Award applications are now available at the Financial Aid Office. Current Freshman, Sophomores, and Juniors are eligible to apply. Merit Awards are based on outstanding scholastic achievement as demonstrated by exceptional performance in formal classes and/or in independent research, and not on financial need. The deadline for submitting completed applications to the Financial Aid Office is **5:00 pm on April 28, 1995**.

FIND/SVP is offering eight scholarships totalling \$25,000. Under the **Tools for The Future Scholarship Program**, eligible students can apply for two \$5,000 awards with 40 hours of FIND/SVP research services and a paid summer internship; or for six \$2,500 awards. To be eligible for these awards, in the Fall of 1995 you must be in an undergraduate or master's degree program in business, library science, computer technology, information studies, market research, or journalism/communications. You must also be a legal resident of the U.S. Completed applications and all supporting documents are due no later than **April 28, 1995**.

JCPenney is awarding two \$10,000 scholarships to students in the Southwest region. To be eligible, applicants must be no older than 21 as of April 29, 1995, must be a current student in good standing, must be a U.S. Citizen, and must be available for a local "finalists interview" at the store where their application was submitted. Other details of the scholarship are available on the application form, which must be obtained at, and returned to, a JCPenney's store. Everyone submitting a thorough and complete application will receive a free t-shirt. Applications are due at JCPenney (in either the junior's or young men's departments) on **April 29, 1995**.

Orville Redenbacher's 1995-96 Second Start Scholarship Program is offering twenty-five \$1,000 scholarships to students who are age 30 or older, enrolled, or who will be enrolled, in a degree program part-time or full-time on an undergraduate or graduate level. Applications are judged on the following 3 criteria, ranked in order of significance: 1. Entrepreneurial spirit, as reflected in the applicants 500-word essay, 2. Financial need, and 3. Academic performance, if applicable. Applications must be postmarked by **May 1, 1995**.

Summer Work-Study: Information and applications for 1995 Summer Work-Study are available in the Financial Aid Office. If you are interested in Summer Work-Study, please submit the required application as soon as possible, but *no later than June 1, 1995*. Your entire financial aid application must be complete by June 1 to be considered. If awarded, the work-study funding will begin with the July 3rd payroll period.

The **Coalition of Higher Education Assistance Organizations** announces three \$1,000 scholarships and six \$100 scholarships available to students at Caltech. To receive an application, you must come to the Financial Aid Office to pick up a COHEAO postcard. The postcard must be submitted by **April 1, 1995**. The complete application is due to COHEAO on **June 1, 1995**.

The California Tech

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