**Biography of Prom Demands Tenure**

by All Mortavitz

In an effort to change the deni­al of tenure to biology assistant professor Mark Tanouye, members of the local Asian community held a demonstration last Friday after­noon in front of Parsons-Gates. They issued charges of racial dis­crimination in the Institute’s tenure­granted process.

These controversies center around Dr.Tanouye’s record, on which opinions vary. A neurobiol­ogist by trade, he has spent the last seven years at Caltech studying the molecular biology of the nervous system. Some other universities have offered him tenured positions, according to Dr. Tanouye.

Tanouye and his proponents have claimed that there was a ra­cial bias to the entire tenure process. In order to be granted ten­ure, an assistant (at Caltech, this is always an assistant professor) is traditionally given up to six years to produce research that is of simi­lar caliber to that of the rest of his (or her) division’s faculty. At some point, the faculty will decide in a meeting whether or not to endorse him. If he is endorsed, the decision goes to an institute­wide faculty committee which decides whether or not to grant tenure.

In practice, these recommenda­tions tend to be adjudged with a few res­trictions. In particular, the aspirant has to be endorsed by most of the members of the division in order to be granted tenure by the ad­ministration. In Tanouye’s case, several biology faculty members openly opposed his tenure. Although he did ultimately get the official support of the division, his case was de facto doomed.

As explained carefully by Vice­Provost David Goodstein (the ad­ministration is unwilling to discuss the particulars of the case due to Dr. Tanouye’s presence in the courts), the Institute is a small school that could not af­ford having deadwood (the com­mon location for a professor who is doing sub­standard work, if any) the way some big state schools can; Caltech can therefore not afford to take any risk. If it turns out that Dr. Tanouye is worthy of the many praises sung by his supporters, then he will be one of the few to have fallen through the cracks of the sys­tem here.

What infuriates Tanouye’s proponents is that, according to them, some biology faculty mem­bers that have been granted tenure may not be as academically productive and worthy as he is.

The protesters demanded justice, “not only for Dr. Tanouye, but for all who follow as well. Changes must be made so that this type of injustice does not occur again and again.”

In any case, Dr. Tanouye is planning to sue Caltech on grounds of discrimination. Although the in­stitute has come close to this point many times before, this time it seems that this matter will go to court. However this is not an isolated case; similar cases have been taking place all over the coun­try. Caltech therefore has the (un­sought) distinction of joining other prestigious universities in the club of the court­arbitrated tenure.

---

**Sports Day for Everyone**

by Mae E. Thion

This Sunday, May 6th is Sports Day. From 12 noon to 5 p.m. at the gym, on the athletic fields, in the pool, and on the tennis courts, a variety of sporting events will take place, ranging from soccer to tennis to water polo to the polyath­lon, which involves pie eating, a 3­legged race, and inner tubing.

Starting at noon, there will be a buffet lunch featuring picnic­type foods. Also featured will be musi­cal entertainment from Caltech’s Jazz Band. Even if you aren’t interested in the and on the tennis courts, the gym, on the athletic in the cracks of the sys­tem.

---

**Global Warming and the Environment**

Netters

Winners

Netters

Winners

---

**Crime and Incident Beat**

CRIME TIP: In the 4/27, 2:30 p.m. incident near Church Lab, the man who assaulted the Caltech student was described as a white male wearing a white shirt and dark trousers in his 30’s, 5’10” tall, weighing about 165 lbs., having red hair and un­shaven. If you see or have seen anyone fitting this description call security immediately.

4/23 The mouse from a Macintosh set up in Jorgensen for promotional purposes was reported stolen.

4/26 A staff member locked his bike on the north side of South Mudd. When he returned, he noticed that his bike’s utility bag had been stolen.

4/27 The gym supervisor reported that a grad student refused to leave the climbing room after midnight when the gym was closed. However, the student apologized for the incon­venience and left.

4/27 At 2:10 p.m., a non­Caltech person had a fascinating spell while attending a protest march at Parsons­Gates. Paramedics ar­rived at the scene, but they did not transport her and advised her to seek medical help.

4/27 A student’s car parked in the Laura parking lot was broken in to. The passenger side door lock had been pulled out and the car’s stereo and a tool kit were missing.

4/27 A student reported that on 4/17, when she was walking towards Church Lab, a suspect told her that she had bad el­bows. On 4/27, at about 2:30 p.m., the victim encountered this suspect again, near Dabney Hall. As she walked towards Church Lab, she told him that “since they’d discussed her elbows last time, he wanted to know what part of her anatomy they should discuss presently.” The victim became nervous and be­lieved that the suspect had sexual activity in mind. The vic­tim related these incidents to a friend, who advised her to call security immediately.

4/28 At 11:40 p.m., a student reported that a man approached him, saying that he had seen a screaming woman running from a man, perhaps inside of Church Lab. The student and man tried to enter Church Lab, but had no luck. A search of the area by security revealed nothing.

4/29 A suspect reported a possible book thief walking on San Pasqual. Security found the suspect, but the books she was carrying were not the type used at Caltech. The suspect was informed that she was trespassing on private property.

4/29 A man working at Nakend Check Cashing service called security to report a suspicious person trying to cash a Caltech payroll check made out to a faculty member. The suspect did not have any ID. A call to that faculty member con­firmed that his paycheck had in fact been stolen. (His office had been left unlocked and attended several times.)

4/30 At 3:50 p.m. a security officer found a man stumbling near Sloan. He said that he had to pick up his son at Polytech­nic Lab. The officer escorted the man to the school where fa­mil­ly members were waiting for him.

4/30 A Caltech security officer noticed that his truck had been broken into. The truck’s stereo amplifier, his ATM card and some cash had been stolen.

4/30 Staff member whose office is in Noyes left work on 4/26 and locked his office. When he returned on 4/30, he found that his camera was the and on the tennis courts, the gym, on the athletic in the cracks of the sys­tem.

4/30 A faculty member reported that a clock radio was stolen from her office between 4/24 and 4/29.

5/1 Officers responded to a fire alarm call in Page House. Two smoke bombs caused thick smoke to form in a first floor hallway. Total dollar value stolen this week: $2723.
Letters

Reply to UASH

To the Editors:

I read with interest Dave Jeit­­nner’s letter last week, which referred to my student’s complaint about ASCIT, which “attained official status from misinform­­a­tion.”

To clear up a few things for Mr. Jeit­­nner, let me inform him that no, I do not miss Mr. Lindell’s letter to write or do. She actually has opin­­ions of her own. Perhaps he is used to dictating to the girls he knows what their opinions are; that is a skill I don’t possess, normally, wish to master. Let me also say that the discerning reader can find differ­­ences between her letters and mine. For example, I misspell certain words. I also tend to be less tactful.

Mr. Jeit­­nner encourages every­­one to read pp. 67-68 of the Cata­­log for the “standards which govern­­ the actions of UASH.” Go ahead, everyone—read it. It’s a description of the process that must take place before UASH. It doesn’t say when UASH meets. It doesn’t say what criteria UASH uses to decide cases. For all we know, they could be con­­trolling to a degree that would fit­­ perfectly with the non-existent catalog description of their “standards.” For an added thrill, look up “UASH” in the index. It’s not even there.

Or look at the Academic Calendar in the front. Hmm—it says when UASH meets! The first day of each term, and two more times during June. It makes no mention of any UASH meetings in the middle of a term. (Ask some­­one on UASH to explain the dif­­ferences between these meetings and the others.) And what effect has been made to inform students cur­­rently on how that even exis­­t? If the best Mr. Jeit­­nner can do in defending UASH is refer us to the Caltech Catalog, then we’re in more trouble than I thought.

I will make a deal with Mr. Jeit­­nner. I will eagerly profess that most of UASH’s cases are well­­ handled, if he agrees that some of them aren’t. I will defend UASH as one of the best institutions of its kind anywhere, if he admits that it could stand some improvements. I will even listen to his smears about “rumors” about UASH probably aren’t­­ true, if he agrees that his per­­spectives contain a certain amount of UASH which should be ad­­dressed.

There are certain things which UASH could do if it wanted to improve a great deal. For instance, you should be allowed to bring some­­one else in with you—another stu­­dent, or perhaps another R.A. I and others have long asked for such a change, and I think we’re just getting around to “con­­sidering” it. What’s the problem with this minor change of proce­­dure? Does UASH feel it won’t be able to answer a few questions if there’s a witness present?

Second, formally eliminate­­ the practice of making unsub­­mit­­ted student evidence into a case file without the knowledge of the student. During­­ my case, one administrator sent a letter to UASH, urging my petition be denied, that contained some false statements and selectively left out inconvenient facts. I was not allowed to see this letter, however, nor was I told what it said, so how could I defend myself against it? The reason given for with­­holding it was to “protect the confiden­­tiality of the administrator.” If that’s the case, why was it given to me after the hearing was over?

There is a certain belief that there were evid­­ence that they were treated im­­properly, and which could be use­­ful to them. The school allegedly rec­­ognizes the Grievance Proce­­dure and will handle matters on an individual­solving ladder, and yet there has been considerable debate over whether or not UASH should be ex­­cepted. One rationalization is that they can’t new cases unless you have to allow them all. Doesn’t­­ that make sense? A student wouldn’t be able to file a grievance just because he doesn’t like UASH’s decision. If, though, evi­­dence was hidden from him that he would have been able to refute, at least, maybe, as per above, or he has evidence that there are faculty members who beat up, racist or sexist manner, etc., then that student should be able to file a grievance. I would argue the same as a lawyer does. I see definite advantages for both parties, don’t you?­­

So please, Mr. Jeit­­nner et al., if UASH is such a fair and reason­­able body, what is the problem with instituting the above changes, two of which are already being debate­­d? If certain members of UASH could control their bruised ego­s for a moment, look at the world­­ view­­ing human, could conceivably make­­ use­­ these mistakes, they might be able to see that these suggestions aren’t so “lu­­dicrous” after all.

Still hoping—Michael J. Lazzaro

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Next Week: Say Anything with Woody Woodpecker

FLYING HEN

The California Tech

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May 4, 1990

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Newsletters

The California Tech
Caltech Diversified?

by Jonathan D. Melvin

This second campuswide conference on Diversity at Caltech, held on Friday, April 27, 1990, was an outgrowth of the discussions and actions at the first conference held on December 17, 1989. The administration began an active effort to diversify Caltech's student body and faculty in response to widespread student demands and to acknowledge that Caltech has only become aware of pressures on minority students in the last two years.

The conference featured several roundtable discussions among minority students, alumni, and faculty, as well as a lecture by Professor J. Craig Steele, Chair of the Department of Government, on the role of the government in promoting diversity. The conference was attended by over 200 people, including many students and faculty members.

The conference focused on several key issues: the need for diversity in faculty and staff, the importance of recruiting and retaining minority students, and the need for better representation of minorities in the science and engineering professions. The conference was co-sponsored by the Office of Student Affairs, the Divisions of the College, and the Graduate Student Council.

The conference began with an opening statement by Dean Lyman Spier, who emphasized the importance of diversity for the success of the institution. "Caltech is a world-class institution," he said, "and we need to have a diverse and talented student body and faculty to maintain our excellence.

The conference included a panel discussion on the importance of diversity in the academic community, with panelists from a variety of backgrounds. The panelists discussed the need for diversity in the faculty and staff, and the importance of recruiting and retaining minority students.

In his closing remarks, Dean Spier emphasized the importance of diversity for the future of Caltech. "We need to continue to work on diversity," he said, "so that Caltech remains a world-class institution."
Environmental News

by Linda Salzhauer
(In conjunction with the CETF)

Every year, Americans throw away enough office and personal paper to build a wall 12 feet high, stretching from Los Angeles to New York City. (from 50 Simple Things You Can Do to Save the Earth)

At last weekend's Earth Day activities, the Caltech Environmental Task Force focused on recycling issues. Many questions were asked about our white paper recycling effort, so we have decided to compile some information about the program as it stands at Caltech.

First, some facts:

• Almost 25 million sheets (about 50,000 reams) of recycled white 8 1/2 x 11 inch paper were bought by the Graphic Arts Facilities in 1989 (GAF buys for most of the campus). They also bought over one million sheets of 8 1/2 x 11 inch paper with three-hole punch, 365,000 business envelopes, and over one-third of a million sheets of 8 1/2 x 14 inch white paper.

• High-quality white 8 1/2 x 11 inch paper made from 50% recycled fibers is available. If the GAF had bought this paper instead of paper made from all new fibers, they would have saved:
  - 212 trees
  - over 50,000 kWh energy (enough to power the average home for over six years or to power Caltech for about four hours)

• The Caltech community currently recycles 1500 pounds of white paper per month (but the Graphic Arts Facilities alone buy over 4500 pounds of recyclable paper every month. 85% of office waste (i.e. daytime waste at Caltech) is composed of white paper.

It is important to note that all ideas are being made on campus. We have what most would consider a "successful" white paper recycling program, run by the GSC. We are recycling 1500 lbs. per month. Recent collection efforts show every ton saves more than 3 cubic yards of landfill space.

What you can do:

The Caltech recycling program is a "grass roots" one. If you see the need for white paper recycling in a certain area, place a box there with a label stating what it’s for and the guidelines for what can and cannot go in it as expressed by our white paper recycling contractor:

• Recycle these:
  - White typing paper
  - White photocopy paper
  - Computer punch-out paper
  - White writing paper
  - White scratch paper
  - Tabulating cards
  - White index cards

When the box becomes full (or when you personally have white paper to recycle), empty it into the large yellow recycling bins (look like yellow garbage containers). These are at the following locations:

  - between North and South Mudd and Robinson, on the walkway between Bridge and Sloan, behind Kellogg and Sloan, at Downs-Laurens, between Firestone and Sylmar, behind Eudora Spalding, between Church and Kerckhoff, next to Braun, behind Noyes, at the Beckman Behavioral Biology building, behind Keck, Watson, the EQL, Lloyd House and Blacker House.

The next general meeting of the CETF is on Wednesday, May 9 at 12 noon in Clubroom 1. Please come and enjoy your lunch.

Help us organize the recycling center Thursdays from 5-7 pm behind Beckman. Refreshments included (of course).

The interdepartment conservation group meets on Sundays at 7 pm in the SAC Coffeehouse.

Snacks will be served!!

The California Tech

DUAL-CAREER COUPLES

A panel discussion representing Caltech alumni, graduate students, faculty, and postdoctoral research associates.

Winnett Lounge
Wednesday, May 9
2-4 p.m.

Is there life outside the lab? Where and when will we move? Should we have children? How about childcare? Can I take time off for children? Whose promotion should we follow? How do we divide housework, childcare, etc.?

Snacks will be served!!

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For more information call x3631.

The Danger of Global Warming

by Chris Dunn

In Wednesday's SEPP Seminar Morddechai Magaritz, Visiting Professor of Geology (Professor of Chemistry at the Weizmann Institute in Rehovoth, Israel) 21st Century, he emphasized the reasoning behind attempts to prevent the Greenhouse Effect. His conclusions, that the onset and extent of the Greenhouse Effect are largely undeterminable but that accumulation of the popularly-termed "Greenhouse gases" is ineluctable, must be utilized both in the global warming debate.

No climatologist denies that concentrations of the gases have increased and, if unchecked, will continue to increase, but many question the evidence of effects. The only ways to predict the effects—computer models and past data—are uncertain. Magaritz compares computer models to fashion models. Both, he says, are prettier than nature, and both have better fits. One model presented by Morddechai suggested a global average increase in temperature of 0.2 degrees Celsius by the mid 21st century, but he emphasized that the model was only theoretical.

As for past temperatures, he demonstrated that interpretation of global trends over the last hundred years "depends on how you cut the data" by placing his hand over the graph and moving his finger up and down. The argument over the severity of the problem, the change in sea level over the past century is unambiguous; although the rise may be part of a natural cycle, the sea has risen.

Models show agreement that if warming does occur, the greatest rise in temperature will be in northern regions. This result, said Magaritz, prompted a Russian scientist to assert in 1984 that warming may not be so pernicious including the prestigious President Young Investigator Award, the George Tallman Ladd Research Prize, an AAGS Environmental Science Fellowship, and the 1989 SIAM Frontiers of Computational Science Award. He is a member of Sigma Xi, the American Chemical Society, and the American Institute of Chemical Engineers. In addition, he is also on the editorial board of the International Journal of Supercomputer Applications, the advisory committee for the Pittsburgh Supercomputing Center, and several government and White House task forces on environmental issues. He has been a visiting scientist at the National Center for Atmospheric Research and the IBM T.J. Watson Research Center.

by Peggy Olsen

The Caltech/JPL Supercomputing Project will hold this month's seminar on Wednesday, May 9, 1990 from noon to 1:00 pm in the JPL von Karman Auditorium. The speaker will be Dr. Gregory J. McRae, Departments of Chemical Engineering and Engineering and Public Policy, Carnegie Mellon University (CMU). The title of Dr. McRae's presentation is "Using Supercomputers to Help Solve the Los Angeles Smog Problem."

Dr. McRae's presentation will discuss how supercomputers have been used to develop the technical basis for key revisions to the Clean Air Act and the Los Angeles Air Quality Management Plan. Given that the nation is currently spending more than $30 billion per year on air pollution controls, there is an urgent need to Bay new control options. A basic premise of this presentation is that computer-based models of the underlying processes provide the only technically defensible way to guide public policy-making. Supercomputers and emerging parallel architectures can provide the vital link to developing cost-effective policy options. In McRae's presentation, we will discuss computer-generated displays of smog distribution and discuss what can be done to help improve air quality.

McRae joined CMU in 1983 after receiving a PhD in Environmental Engineering and Science from Caltech. A major focus of Professor McRae's research is understanding the scientific aspects of the problems involving pollutant transport and transformation in multimedia environments.

McRae is the recipient of numerous prizes and awards for his research in environmental science including the prestigious Presidential Young Investigator Award, the George Tallman Ladd Research Prize, an AAGS Environmental Science Fellowship, and the 1989 SIAM Frontiers of Computational Science Award. He is a member of Sigma Xi, the American Chemical Society, and the American Institute of Chemical Engineers. In addition, he is also on the editorial board of the International Journal of Supercomputer Applications, the advisory committee for the Pittsburgh Supercomputing Center, and several government and White House task forces on environmental issues. He has been a visiting scientist at the National Center for Atmospheric Research and the IBM T.J. Watson Research Center.

Dr. McRae Olsen, JPL extension 4-7359.

Supercomputers and Smog
Noland Award Winners

Clifton Kiser and Richard Reid have received the Robert L. Noland Leadership Awards for demonstrating outstanding leadership and assistance to fellow students during their years at Caltech. This award was set up by Ameteck in 1978 and carries with it a cash prize of $2,000.

Cliff Kiser has held a variety of leadership positions on campus at Caltech, including serving as Blacker House President, Junior Class President and Senior Class President. He has taken responsibility for important decisions and has been an excellent negotiator. Cliff is one of Caltech's most energetic students and has often been labeled "the busiest student on campus."

Rich has served as ASCIT President and President of Ricketts House this year. He has devoted much of his time and energy to improving ASCIT and the services it provides. As President of Ricketts House, Rich demonstrated concern for the well-being of the members and did an excellent job of balancing the needs of the House with those of the broader campus community.

The awards were presented on April 18 at a dinner at The Athenaeum attended by the honorees, Mr. Noland and other representatives from Ameteck, and representatives from the Caltech administration.

Book Review

by Nick Smith

What do you do if your entire acting career is built almost entirely on two roles? Especially if one is a cop and the other is a starship commander. Well, William Shatner has tried directing (not very well) and has turned to writing. TekWar, which is still only available in hardbound but will be coming out in paperback later this year, is an odd mixture of genres. The literary device that permits the explanation of the future's oddities is the fact that the main character has just spent four years on ice. Literally. Framed for a crime he didn't commit (but his ex-partner believes him), Jake Cardigan is an ex-cop convicted as a drug dealer, and sentenced to fifteen years in suspended animation. His ex-partner pulls strings and gets him out after only four years, paroled to work as a private investigator on a big case.

Shatner tries to create an atmosphere reminiscent of Raymond Chandler detective novels, even setting part of the action in Pasadena, and involving a professor at "SoCalTech". True to the genre, there are so real good guys, the world is a grey and depressing place, and only a tough private eye can save things. He seems to have used devices from several sources, including Blade Runner and various Cyberpunk novels, as inspiration for the basic plot, involving an insidious electronic "drug" called Tek. It is a small, portable device designed to electrically stimulate the memory and pleasure centers of the brain, creating synthetic "good times". By the year 2120, an estimated 18% of the population use illegal forms of sensory/neural stimulation. Just one catch—it's addictive. The problem, of course, centers around the enormous profits for the Tek suppliers. The plot involves Kamilaukee androids, civil wars in Mexico, and other things too complex to summarize. Is it good? Well, sort of. For a first novel, it's not bad, but I would wait for the paperback edition to buy it. It does indicate that William Shatner just might have another career in him, if both Captain Kirk and T.J. Hooker ever admit to reaching retirement age.

Scary note: our glorious FDA has approved, for "medical" use, of course, a small, portable device to create direct electrical stimulation of the brain to produce endorphins. The current version has tremendous potential as a painkilling device for people with chronic problems. It is also remarkably open to abuse, since it produces the end products of drug use without all those messy chemicals. Coming soon to a street corner near you...

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1990 are as A death-like silence hangs, palpable, in the air. ... ding? Yes, the moles were the past WIth open dIsplays of... uh... affection. Well this week it seems need tools!" RAISE was topped off by the second consecutive This event was truly been in Winnett this historic event, on film by a bystander. lameness by a Captain to be of course, pre- in Winnett a... "IPD", a Wanna Skor? Increase your popularity at the fridge. Pop a cher- official be better. that which broken in the House. Someone should... "Why you, Boy Blunder. Now stand out of the way while I con- it somewhere very safe. The lunches were actually quite tasty, and the sunny weather was a good change from excessive bills for yet another... "Oh shit!" Dave says as the disk floats over his head toward the dining room door! "Burbank!" someone yells. Well... "The crowd patiently awaits expert diagnosis. "It's broken." A sense of doom hangs over the crowd. I can fix it!" The crowd... 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May 4, 1990

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SSSPP Tutors Needed

Student Success and Support Program will be needing tutors (any hours) from 9 to 3:30 pm, Monday through Thursday. Need is currently in Chemistry, Molecular Biology, and Math. Those interested in helping students with their studies should contact the Student Success and Support Program office at 101 Witten Center.

Video Artists

Students and professionals are invited to present their work at Pasadena's first art exhibit at Flakosky's on Saturday, May 19 at Pasadena City College's Peirce. All submissions should be broadcast quality and include a reasonable summary of the medium. Student videos and works-in-progress are also welcome.

Interests purists may obtain information by calling Oak Oak at (818) 658-4125. The event, sponsored by The Lights-Beige Project, is a non-profit art corporation.

Arts & Science Fair

Loose Bach needs Caltech students to help organize the Kids Arts & Science Fair on Saturday, June 9 from 11:00 am to 2:00 pm in the quad. If interested, call her at 722-3152.

Let the Games Begin!

Every Friday night the Cage Game meeting to enjoy role-playing and board games. Friday meetings are in Witten Center, 1:00 pm. Meet others who share your interests. All welcome! Most common Friday games are fantasy role-playing, but it's a good time to find players to share whatever games you like.

Submit To The Totem

An issue is underway to produce another issue of the Totem, the Caltech literary magazine. In the past, the main barrier to publication has been fissuring spate (publications have been about as usual that required consideration). This is a plan for all interested students to do their own artwork, comic strips or fiction, or to offer suggestions, get the name, year, campus address, and phone number. Braden Pellett, 1-0, 16473.

Scholarship Listings

The Financial Aid Office has applications and/or information on the following scholarships. All qualified students are encouraged to apply. The office is located at 315 S. Wilson, 2nd floor, phone 2280. California Council of the Blind is offering a number of awards to applicants who will enter or continue studies as an accredited school or university program. Awards will be given to both undergraduate and graduate students. Scholarships are available for bachelor's, master's, and doctoral studies in the field of blindness and vision. For more information, please contact the Council.

Orville Remberger's Second-String Scholarship Program is for students 30 years old or older in the same area of application. He received in either an associate, bachelor or graduate degree program in an accredited college or university and can be either full-time or part-time. Deadline for application is September 1, 1990.

Each year, the Scholarships and Financial Aid Committee awards a number of Merit Awards to the most academically promising of the Fall and Spring semester students, freshmen, and in special circumstances, freshmen. Merit Awards are based on outstanding scholarship as demonstrated by exceptional performance in formal classes and/or in independent research, and not financial need. Last year the Committee recommended 32 Merit Awards of full or three-quarter tuition and 18 honorable mention awards of $2,000 each. The level of awards this year may be determined by the caliber of applicants.

Applications are available from the Financial Aid Office at 515 S. Wilson Ave. The deadline for submitting completed applications to the Financial Aid Office is May 30, 1990.

Bell of Los Angeles Scholarships

The Bell of Los Angeles is offering seven scholarships for the 1990-91 school year. The amount of the scholarship will be determined by need and is $4,000. Applications are due September 15, 1990. Applications may be obtained from the Financial Aid Office at the Caltech Office by 5:00 pm on May 18.
Universities as Nuclear Powers
On Wednesday, May 9, Professor Karl Hufbauer of U.C. Irvine will speak on the subject "Should Universities Operate Weapons Laboratories?" The talk, part of the "Science, Ethics, and Public Policy" series, will be in the Judy Library in Baxter Hall, at 12 noon. Bring your lunch.

Human Genome Talk
Professor James D. Watson, Director of Cold Spring Harbor Laboratory and head of the Human Genome Office, NIH, will speak at 6:30 pm on Wednesday, May 9, on the Human Genome Initiative. The talk, part of the series on the Human Genome Initiative, will be in Baxter Lecture Hall. Please note special time. There will be a discussion following the talk, which is open to the public.

Unnecessary Violence Night
S.P.E.C.T.R.E. will be having an "Unnecessary Violence" film festival on Saturday, May 5. It will be in Room 35 of the SAC and will begin at 7:00 pm (note new time and place). First we will throw Mark Lupers off Millikan (will he fluoresce?) and then we will watch Aliens, and Professor Questions? Call Eric (564-8949) or (440-0459). Be seeing you, O my brothers.

Cinco De Mayo
El Centro de Accion Social and the City of Pasadena are sponsoring a Cinco de Mayo celebration at Pasadena's Central Park, 37 E. Del Mar, on May 5 and 6 from 12 noon to 5 pm. There will be performances, art exhibits, entertainment, food, games and rides for the whole family to enjoy.

Life is a Cabaret
Sunday, May 20 at 7:30 pm and Saturday, May 26 at 7:30 pm the musical Cabaret will be performed at Keck Theater on the Occidental College campus. Tickets are $6 (regularly $10) and available at the Caltech Y.

Environmental Task Force
Wednesday, May 9 from 12 to 1 pm in Clubroom I, Winnett, the Environmental Task Force will have its monthly meeting. Be there or be recycled!

Folk Concert in Winnett
On Saturday, May 5 at 8:00 pm, Canadian singer Margaret Christl will perform, part of the Caltech Folk Music Society concert series. General admission tickets are $8.00, but Caltech student tickets, in advance or at the door, are only $4. Call the Caltech Ticket Office for advance reservations or information, 356-4652.

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Friday, May 4
11 a.m. - 3 p.m.
Winnett Lounge
**First League Victory for Women's Tennis**

by Laura Hernandez

In its final league match of the season, the women's tennis team traveled to La Verne with revenge on their minds. They had lost their home match against La Verne 3-4 and hadn't won any other league matches all season.

At ten o'clock the six singles matches commenced and two and a half hours later the teams were tied, three-all. Laura Hernandez, playing number one for Caltech, finished her varsity career with a tough three-set victory over Eina Kawai, 7-6, 1-6, 6-2. Jennifer "Shades" Lo, also in her last match, crushed La Verne's inconsistent number two, Jamie Hutchinson, 6-4, 6-3.

The queen of three-setters, third seed Nancy Hua, did not dis­appoint anyone Saturday with a two and a half hour singles match. In the end, though, La Verne's Cin­ dio Solody capitalized on Nancy's illness and won 3-6, 7-6, 6-3. Number four Miran Rhee, replacing an injured Fiona Lo, had a tough time with Myung Kim's ex­ cellent net game and fell 7-5, 6-4. Yu-Chen Kao, working on a couple of hours of sleep, was too nice to her brace-ridden opponent.

Annette Norris, and went down 6-0, 3-6, 6-4. Playing in the sixth slot, Diane Wong overwhelmed Michle Wil­ liams 6-0, 6-3, and was off the court in less than 45 minutes. In the seventh single, killer robber Ingrid Cheong won her pro-set against Eva Lum, 8-2.

The doubles proved as gas­ wrentching as the singles, with the whole match coming down to the final doubles. Yu-Chen and Diane outlasted Liti and Hutchinson in the #3 match, 7-5, 6-4, to give Caltech a 5-3 lead. Then Nancy and Miran, who blame their loss on dogs whining, trains, helicopters and ice cream trucks, gave in to Kim and Norris, 6-3, 6-3. Hav­ ing split sets, the number one dou­ bles between Hernandez/Low and Kawai/Solday went into set three with an enthusiastic Caltech men's team in attendance. Jennifer and Laura dominated the final set with awesome net play and service returns to win the match 6-4, 1-6, 6-2.

The team would like to dedicate this victory to coach Giny Marum, who is leaving this year to pursue a career in environmental law. Thanks for five great years!

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**Tennis Men Win Two**

by Thunder-Chris

It's been a long, grueling sea­ son, but Caltech's men's tennis team finished off the year with two more excellent victories this past week. On Saturday, the battling Beavers travelled away and embar­ rassed LaVerne 8-1, then returned home, where they soundly blew past Christ College 6-3.

Venturing out in the midday sunshine, Caltech arrived at the op­ posites' courts with victory in mind. After cheering for Caltech's women's team as they defeated the LaVerne women, the study men began a dazzling display of awe­ inspiring power and domination over the home team.

After Coach Mike Jackson's tremendous encouragement and direction of this mighty team, a major thought lays through­ out the minds, bodies and souls of his players.

In the words of our great philosopher Bappa Mukherji, the major theme is "Just do it!" And do it they did!

Dan Pang, in our top spot, banged by his opponent, mangling him 6-0, 6-1 with angled ground­ strokes and straining court presence. Hemant Keny, an omit­ ter of strength, ground­ ed LaVerne's number two player with monumen­ tal power of epic proportions, winning 3-6, 6-4, 7-5.

Jimmy Ng, playing third, rifled by his foe, firing deadly shots on his way to a 6-4, 6-0 victory. In our fourth spot, however, Bappa "Just Do It" Mukherji just missed his win, just losing in two tiebreaks.

Greg Wardle and Robert Liu, playing fifth and sixth, gained the team's match win with textbook performances in their singles matchups. Wardle read his oppo­ nent well, winning 6-0, 6-1, while Liu highlighted his day winning 6-3, 6-2.

In doubles, Keny and Ng in the first spot overcame split sets and rolled over LaVerne's pair 6-2, 4-6, 6-4. Playing second, Pang and Danny Chu took no pity on their opponents, posting a 6-0, 6-3 win. Kevin Wang, playing consistently, and Chad Roberts, a dominating force, closed out the day 6-2, 6-0.

At home Tuesday, the Beaver Tennis Machine sought to end the season with a final victory over Christ College (CC). With a HUGEnous turnout of enthusiastic spectators' numbers may be in the teens, the men satisfied their fans' greatest tennis desires with buff play and maestro action.

Keny, this time playing #1, conceded his first set, but came back with grand determination. Down 5-2 in the second set, just points from elimination, Keny marched back, getting back on serve. With great poise and stamina, he disrupted his opponent's concentration and stutture, winning the last five games to win the sec­ ond set. Having caused his oppo­ nent to fall apart before him, Keny easily won the third set, winning his match 6-0, 7-5, 6-3. Noted one awesome spectator, "I like watch­ ing when the other guy spazzes," in reference to the LaVerne CRD and CRDE outbreaks of unparal­ manike conduct by the CC player. Pang, however, was too calm, too such yelling as he controlled his defensive 6-3, 7-5, as his opponent desperately tried to yell it up, yelling, playing just, missed the right rhythm, falling in two tough sets.

"Just Do It" Mukherji did just fine, Outlasting his man 6-1, 3-6, 6-3. Wardle, playing fifth, wallo­ loped CC's player, outlasting him 6-3, 7-6 (7-5). Liu, also playing tough tennis, eventually lost in three. Adding to the pure domination of strength, Chris Ho returned after three weeks on the injured list and totally embar­ rassed a really tall guy 6-1, 6-1 in a nice, friendly match at #7.

In doubles, Keny and Ng took on CC's pair. Apparently, the spazzing singles player de-spazzed and got his act together, defeating our men in two sets. But Pang and "J.D.I." Mukherji removed all doubt as they defeated the other team, as they squashed their foes 6-1, 6-2 in the last doubles match of the regular season, Wardle and Roberts got together and just en­ raged their opponents, coming and frustrating them to no end. Af­ tern a number of racket-to-ground screams and cries around the gym, the CC pair's doubles team "busted them up" 6-2.

It was a wonderful end to a sea­ son full of lasting memories. From the team dominating the Bay area to these last two displays of greatness, this year's young and brave tennis men have so much to be proud of. Today they enter the SCAC conference finals, we wish them the best of luck. But stay tuned next year as every one of your favorites returns for another season full of action!

And the winning and smiles continue:

- (player) "Hey, Ho! How'd you mess up your finger? From tennis?"
- Ho: "Uh, no."

- "Another sport? A fight?"
- "So what'd you do?"
- Ho: "Uh, well, you know what hap­ pens when you don't get your hand out of the way when you slam your door."

***

The men's tennis team would like to thank Coach Jackson for giving them the chance to play next year, Coach.

Thanks to Giny for letting the guys have some of the cookies you get for your women's tennis team. Many thanks to the future and come visit us some­ time. - [from the study men]
1990 SCIAC TRACK AND FIELD CHAMPIONSHIPS
by Chris Campos
Caltech's 1990 track and field season was wrapped up Friday and Saturday nights at the University of Redlands on a well-groomed dirt track. The competition was the 1990 SCIAC Track and Field Championships and involved Occidental, Whittier, Pomona-Pitzer, Claremont-Mudd-Scripps, La Verne, and Redlands as well as Caltech.

The final men's results were Oxy 180, Claremont 145, Pomona 118, Redlands 112, Whittier 16, Caltech 15, La Verne 0. The women's results were Occidental 215, CMS 109½, Pomona-Pitzer 87½, Redlands 90, Whittier 22, La Verne 18, Caltech 4.

The men finished the season with a record of 15-7 and tied for fifth in the conference with Whittier. The women were 13-10 and tied for sixth with LaVerne.

The meet was scored 10 points for a first place, 8 for second, 6 for third, 4 for fourth, 2 for fifth, and 1 point for sixth place in each event. Since the best athletes in the conference are all pushing for a finish in one of the six coveted all-conference placings in each event, it makes capturing one of these six spots a difficult and admirable feat for a Caltech athlete. Thus it is only just to give credit first to the Beavers who were successful in capturing all-conference placings.

Randy Ralph was the outstanding Caltech athlete in the SCIAC meet. In the high jump, he jumped an impressive 6 feet 4 inches to capture second place. Teammate Gary Eastvold placed sixth in the event with a respectable jump of 6 feet 6 inches. Greg Duddy pole-vaulted 13 feet 8 inches - good for a sixth place. Duddy also competed in the 400 meter hurdles race. Duddy, in fourth place coming off the curve onto the final straightaway, suffered a frustrating collision with a hurdle and was sent sprawling to the ground. Never one to quit, Duddy got up and pushed in a sixth place finish in 1:02.4.

The final individual all-conference placer for Caltech was junior Scott Kister. Kister, in an impressive display of mental toughness and a hell of a lot of guts, ran 10.46 in the 3000 Meter Steeplechase to finish sixth in spite of a sparse performance in the season. (Kister's performance is all the more remarkable when one considers the fact that he consumed a double cheeseburger and a large chocolate frosted a scant two hours before the event.)

In addition to the Beavers who captured conference spots, there are other individuals whose performances merit mention. Brady Montz ran 1600 meters total in combined 300, 200, and 400 meter trial races and final races plus relays on Friday and Saturday nights. Brady qualified for the 400 meter final with a time of 52.05 and for the 200 meter final with a time of 23.44. Freshman John Freeman was mere hundredths of a second from placing sixth in the 800 meter final. John's time of 2:00.5 was good for a seventh place.

Techers Climb Rocks
by Neil Humphrey
The super-finals of the Sport Chalet "Rock till you drop" climbing competition were held last Sunday in La Canada. Over 40 finalists advanced from 4 preliminary competitions involving over 250 climbers, who were held previously at other Sport Chalet stores in L.A. and San Diego.

Five Techers survived the preliminaries to compete on Sunday, including Rudi Hofmeister who qualified by placing 3rd at La Canada the previous week, and Matt Newlin and Remy Sanoquil, who also qualified at La Canada. Also competing were Suzanne Paulson, who placed 2nd at the Reddy Connection and Neil Humphrey, who placed 5th.

Sunday's women's division final was strongly competitive with several climbers having had experience in national competitions. Caltech's Suzanne Paulson fell only inches from the top of the route early in the competition and had to wait until the last woman (Kelly Penix of Covina) climbed to find out how her high point would stand. Kelly managed to "fly the" move to the top for the win, with Suzanne holding on to second place and a $250 prize.

The larger men's division climbed after the women and the climbers were kept in a closed room to prevent them from viewing the routes. Unlucky contestants like Rudi, who were near the end of the climbing order, had to wait for over 5 hours before climbing. Matt, Remy and Neel plummeted on the first route, although Matt came within inches of "mailing" the top. Rudi, with a nice demonstration of control, was one of 8 to make it to the top, thereby advancing to the next round. Rudi unfortunately didn't survive the next route (figuratively!) and finished in 7th place, an impressive performance in what is already the premiere sport climbing event in Southern California.

WEEKLY SPORTS RESULTS

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<th>Day</th>
<th>Date</th>
<th>Sport</th>
<th>Opponent</th>
<th>SCIAC Championship</th>
<th>Results</th>
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<tr>
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<td>4-28</td>
<td>Track</td>
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<td>SCIAC Championship</td>
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<tr>
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<td>Tennis</td>
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<td>LaVerne</td>
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WEEKLY SPORTS CALENDAR

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<td>(W)</td>
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<td>5-4</td>
<td>12 noon</td>
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<td>Cal State Northridge</td>
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</tbody>
</table>

Hosted by: UNIVERSITY OF REDLANDS

Brady Montz has the early lead in the 400 meter trials at Redlands because of the staggered start. Brady managed to finish seventh in the trials and qualified for the finals.