Caltech Celebrates Martin Luther King, Jr.

Concerts and a speech by noted political activist June Jordan highlight the day-long festivities

by Maria Huang

On January 15, 1995, the California Institute of Technology observed the birthday of Dr. Martin Luther King Jr., the civil rights leader and Nobel Peace Prize winner. The one-day event started at noon when the Caltech Physics Undergraduate Wins Scholarship by Tanya Ticket

John Carrasco, a Junior Physics major, has more than one nose—at least when describing his summer research (SURF) project:

"Say my nose is a quasar, and it’s making light rapidly. If there’s nothing between you and me, the light will go straight; you’ll just see one nose," he said, "If there’s something massive there, the light will be deflected, and can take more than one path... and if the deflecting mass is non-spherical, you will see multiple discrete images."

Carrasco’s translation of complex physical phenom-

The Alumni Association is delighted to extend an invitation to the Caltech community to participate in a travel/study program in the Yucatan to explore the world of the ancient Maya. Led by senior research associate emeritus Bill Schaefer, the program, which will run from February 24 through March 8, is designed to take participants behind the scenes for a comprehensive look at the greatest of Mesoamerican cultures. Two nights will be spent in each of the three major sites of Chichen Itza, Uxmal, and Palenque. There will also be explorations of the lesser-known ruins of Labna, Sayil, and Kabah with their distinctive architectural styles. Other visits will include the Calakmul Biosphere Reserve to visit recent excavations, as well as to the seaside ruins of Tulum, poised above the Caribbean.

For further information, contact Judy Amis at extension 6594, mail code 1-97, or judy_amis@starbase.caltech.edu.

A Chance to Explore: Ancient America

Physics Undergraduate Wins Scholarship by Tanya Ticket

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A Chance to Explore: Ancient America

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Affirmative action is a valuable program

Dear editor,

Affirmative action is necessary, as President Lyndon B. Johnson said in 1965 when the policy was initiated, "to ensure that applicants are employed without regard to their national origin." It is, as was stated in your January 5, 1996 editorial, a misplaced policy.

The policy of Affirmative Action was vague from the moment it was established, even when expanded to include public education in the Equal Employment Act of 1972, and contrary to the statements of your editorial, racial quotas are by precedent not permitted.

In 1978 the Supreme Court heard a case about a white man, Alan Bakke, who sued the University of California when not admitted to the medical school at Davis because of his race. The rules stated that strict quotas violate the rights majorities have. The policy of Affirmative Action is not a strict quota. These rules are not only bad, but that ralid programs that are merely conscious of the race of the applicant are allowable.

The author, however, never included the fact that minority or no, there are many well-qualified people who will never reach their potential or fulfill their dreams, simply because in our society there are not enough opportunities for every single person to succeed.

This equality of representation at schools and work reflects how minorities view themselves: if the same percentage of minorities exist in society as want to become doctors or engineers, this means that on average, the self image of a minority is high enough for him or her to set high goals and pursue high dreams.

The reason, I assume, that no issue was made over the fact that the majority of professional athletes are Black is because it is assumed that White people know it is possible to become basketball players; they are empowered and do not need the mental security blanket of a special program, since there are already people in the field.

The opportunities for Caucasians are unlimited. Affirmative Action, which has been proven by years of accomplishment that white people can do anything — no such long history of accomplishment in the United States exists for minorities. There are no examples of female Presidents, or Latino C.E.O.s; if young children of minority parents are told that "being in the tunnels is a violation of the Honor System." I do agree that the tunnels are dangerous and that there are all sorts of nasty things down there. In addition I concede that I had no need to be where I was. But an Honor System violation? "How so?," I queried. The answer was that I was breaking the rules. But how was I "taking unfair advantage"? Up until the time of my apprehension there was no one to take unfair advantage of!

This incident brings to light what I believe may be a misconception that some of the staff may have. The Honor System does not mean that we as students will blindly follow the rules set down by this administration. Rules are made and rules are broken. Some rules are good. They keep our labs, lecture halls, and houses safe. Other rules are bad. They limit us and reduce us to mindless lemmings. The strength of the Honor System lies in its simplicity. Attaching extra baggage to this code of behavior by forfork weakness it and with it all of Caltech.

No member shall take unfair advantage of any member of the Caltech community.

Anonymous Student

Dear Editor,

The other night I found within myself a need to explore the underground tunnels of the campus. Mter looking around a bit I exited through a door to the south. From there I walked across a parking area and down a flight of stairs. Inside this building was a massive waterfall of great beauty, framed by concrete walls. I got caught. The details are irrelevant and actually quite mundane. However, during the chat with Security which followed I learned something which puzzles me.

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Anonymous Student
Aff Action: Minorities Respond

by Patricio Vela

In reading the affirmative action opinion piece on January 5th, the author has omitted key issues concerning the nature of our society. He is correct in pointing out the recent past and the present. While such ideals as equality and the irrelevance of sex, race, etc. are wonderful, we must examine the reality of the situation and how effectively and faithfully the said ideals are implemented by society.

Before continuing this debate, I must unfortunately repeat our recent history since it seems possible that some members of our community have forgotten this. The essence of the Civil Rights Movement was to attempt to correct the wrongs of the past.

The move meant to create equal opportunity for minorities in education, job hiring, and various aspects of daily life whereby the minority citizen was given an equal place in society. We must not forget the analogous majority resources (buses, bathrooms, etc.).

In an effort to fix the racism and prejudice of the previous past for minorities, affirmative action was initiated.

The real question to be asked today is not whether or not we need affirmative action, but has it lived up to its goals, is our equal employment mentality matched with actions which support it. To attack affirmative action without reference to its stated goals is the same as defining your action the proper attention it requires. So without further ado, let us examine the current state of the nation as it applies to the minority condition.

The media has happily devoted its time to the majority opinion, i.e., all those unfortunate people who lose their jobs to others. Indeed, we will look at the minority viewpoint, which can easily be gleaned by reading just a handful of the many by odds in existence. In education, politics, the justice system, one sees many beliefs and actions which have two effects, glorifying the Anglo-Saxon or denigrating the minority population. The denigration works on two fronts: 1) by not showing the beauty and true nations of a group, and 2) by perpetrating negative stereotypes.

In our educational system, students learn of the intellectual discoveries, inventions, and intellectual accomplishments of the white majority. This makes sense considering their majority status.

The California Tech

Philosophy: You Need It

by Eric Dennis

Do you take it for granted that you will have a humanities class just as ignorant of the subject matter as when you came? Perhaps you do not know science of nature has proven it.

Man must be left free to pursue his life and happiness - free from the force of others, no matter their numbers and no matter their needs or desires.

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The complete lack of black, latin, asian, female, etc. persons onluaries indirectly affirms the white male stereotype. Additionally the student learns of many facts as they peruse to them, learn to how the nature.

The California Tech

You are invited to attend a free concert!!!

An Evening of Latin Jazz with the Caltech Jazz Bands with featured guest artist trumpeter Bobby Rodriguez

Bobby has played trumpet with Quincy Jones Ray Brown Willie Bobo Chaka Kahn Don Ellis Louise Bells and Poncho Sanchez.

This free concert is at 8:00 PM on Saturday January 27th at Caltech's Beckman Auditorium for further information please call (818) 395-4652

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Winner: Best Actress -National Board of Review

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Saturday Night at the NAIRO MOVIE

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Show times: 7:30 & 10:00

$1.50 ASCiT members $2.00 All others

FRIDAY NIGHT ASCiT MOVIE

Baxter Lecture Hall

Show times: 7:30 & 10:00

$1.00 ASCiT members $2.00 All others

NEXT WEEK

HAMLET

The Things Brothers McQuillo

Wales: 7:30 & 10:00

818 ASCiT members $2.00 All others

The California Tech January 19, 1996

3
CALTECH SPACE SCIENCE WARM UP FOR SPACE 101 by Joe Trela

It's the start of winter term, and once again the thoughts of Techers lightly turn to snow, the Winter Olympics and, of course, the Space 101 high school conference. Okay, so the snow will mostly stay on the mountains until Inuit Freedom Day and the Winter Olympics got pushed off to 1998. But Space 101 remains! This Saturday (1/29) at 9:35 p.m. in SAC Clubroom B, the Caltech Space Society will have its first general meeting of the term to begin preparations for the 1998 Space 101 conference, which is to be held on February 24. This conference of high school students from all across the Southland will follow the same general plan as last year's highly successful conference on asteroids and comets, but this time the focus will be on the long-term colonization of space. There will be four seminars focusing on the politics of space colonization, the technological aspects, the medical and biological problems and available information on the Internet. We are planning to include other elements as well, including a "Or- egon Trail"-type colonization computer game (ask your older siblings, frsh!) that will let players build their own mission and try to avoid running out of important things (such as air).

However, a lot of the speciﬁcs remain to be determined and this is your chance to get in on the ground floor and mold our plans. In addition, we will discuss elections for new officers and the upcoming YESS "Spacecraft Design" program for high schools. And (most importantly to some of you), we will have food available! New members are always appreciated, so come on down and help the human race achieve its Manifest Destiny in space (insert stirring music here).

Perpall Awarded by Jim Cheng

Before an audience of judges and guests, nine Caltech SURFers presented the results of their summer research projects in the final round of the 3rd Annual Doris S. Perpall SURF Speaking Awards, held Wednesday in the Beckman Institute Auditorium. Having been selected as both the best speakers in the session on SURF Seminar Day in October and in a semi-final round, the nine finalists again delivered their twenty-minute presentations before a panel of judges comprised of Caltech and JPL faculty members and an alumnus.

After a few opening remarks by Carolyn Merkel, the final round of the competition got underway as Heidi Eldenberg began her presentation, which highlighted her research on the 17-year history of the SURF program. She was followed by David Cuthbert and Sebastian Maurer, who presented their research on high speed digital communications and vortex pinning in superconductors, respectively. After a short break for refreshments, finalists Jane Brock, Samson Timoner, and Gina Serraiocco gave their presentations, on aminoalkylidine chemistry, nanofabrication, and plant genetics. They were followed by Jeremiah Darling, who lectured on his search for quasars, Rebecca Blankenburg, who gave her presentation on fruit fly neurobiology and Steven Chase, who presented his research on light scattering.

After the finalists had all given their presentations, the judges announced the winners based on their presentation skills, and awarded first prize to Jeremy Darling, who lectured on his search for quasars, Rebecca Blankenburg, who gave her presentation on fruit fly neurobiology and Steven Chase, who presented his research on light scattering.

The Perpall Awards were started three years ago by Robert C. Perpall, a 1952 Caltech alumnus and SURF board member, in memory of his late wife. Asked why he started these awards, Perpall replied, "I noticed students doing good research, but they weren't doing well on their presentations for SURF Seminar Day, and that's the only time their sponsors get to see their work." To give an incentive to SURF students to prepare better presentations, he started the awards in honor of his late wife.

The Outside World

by Myfanwy Callahan

Jerusalem, Israel — Palestinian gunmen killed two Israeli soldiers Tuesday near Hebron. It is surmised that the attack was a response to the killing of Israel's most wanted terrorist, Yehuda Ayyash, two weeks ago.

Kings-Yucht, Russia — As of Wednesday Chechen rebels still hold a village near the border despite Russian siege. They have expanded their efforts to include the Black Sea, hijacking a Russia-bound ferry with 165 people on board. Another group captured 30 employees of a power station near Grozny, hoping to induce a withdrawal of Russian forces from Chechnya.

Monaco, Russia — Anatoly B. Chubais, the last liberal on Yeltsin's cabinet, resigned. He had supervised changes in the Russian economy and resigned because of the criticism he received from Yeltsin.

San Antonio, U.S. — Scientists announced Tuesday that the dark matter of the universe is most likely simply a number of unseen white dwarfs. Dark matter is said to make up as much as 90% of the universe and has remained a mystery for years.

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Project begins Tuesday, January 23. To help, contact Athena Castro (x6163 or castro@starbase1) before then.
Wellness Week Calendar (January 22-27):

**Monday**
- Understanding and Overcoming Procrastination
  - 12-1 p.m. Winnett Clubroom
  - Free Food

**Tuesday**
- The Facts About Depression
  - 12 noon Winnett Lounge
- Barnga Night: Relating Across Cultures
  - 6-9 p.m. Winnett Lounge
  - Dinner Provided

**Wednesday**
- Traditional Oriental Medicine
  - 12-1 p.m. Winnett Lounge
- Open House at the Student Health Center
  - 4-6 p.m. Young Health Center
  - Free Food

**Thursday**
- Chamber Music Concert
  - 12-1 p.m. Dabney Lounge
  - Lunch Provided

**Friday**
- Health Fair (health booths and samples)
  - 11-2 p.m. Winnett Quad
- Health Week Family Night
  - 5:30-7 p.m. Winnett Lounge
  - Dinner Provided

**Saturday**
- Senseless Death Comedy Night
  - 9-11 p.m. Winnett Lounge
  - Free Food

On Friday we are having our next installment of the noon concert series. **Sweet Cream USA**, a rock band, will be playing in front of Winnett at 12 noon. Bring your lunch out and enjoy the music (weather permitting!).

This coming week is Wellness Week. This means there will be a series of events promoting living a healthy, happy life. A brief calendar follows, but you should call the Caltech Y (x 6163) for more information or if you want to help out. The conclusion of Wellness Week is the Senseless Death Comedy Night. Senseless Death is a comedy group that has played successfully at numerous Decompressions over the past three years, so you should come and see them again.

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**ASCIT Minutes**

**January 15, 1996**

**Present:** James, Dave, Kanna, Tom, Ken, Laura

**Meeting begins at 10:04 p.m.**


- Tom calls Melissa and puts her on speakerphone. Melissa has all of the UROH (Undergraduate Research Opportunities Handbook) printed and is now waiting to contact a publishing company (Econoprint) which Gina recommended. The UROH should be out in one to two weeks. Melissa says goodbye, and hangs up. Tom calls the SX lab, and somebody answers the phone. Tom asks (Greg, Who? Greg, Who? Greg, DAG, No, Greg) for Greg, who isn’t there.

- Dave mentions that an election is going on. The election for President/Vice President (BOC Chair) will happen next week on Monday. Signs For Elections For All Other ASCIT Offices (Sign Up) (This Means You) WILL BE PUT UP NEXT WEDNESDAY. (bold, underlined, 18 point font)

Yup.

David Pelypa

**ASCIT Secretary**

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McKinsey & Company Invites Juniors and Seniors to learn more about our 2-year Business Analyst Program

**Information Session/Case Workshop**

**Thursday, January 25, 1996**

Athenaeum – Main Lounge, 4:00 pm – 6:00 pm

Interviews will be held on February 15, 1996

Interested candidates should submit their resumes along with an official transcript and SAT/GMAT/LSAT/GRE scores by February 2, 1996 to:

McKinsey & Company

400 South Hope Street, Los Angeles, CA 90071-2890

Attn: Susanne Mahoney

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McKinsey & Company
The Honor System is probably one of the most unique aspects of undergraduate life at Caltech. This system allows us to live in an extremely open environment and provides an atmosphere of trust within the student body and between students and faculty. The Board of Control's role in ensuring that the Honor System continues effectively is to investigate and deal with any suspected violations of the Honor Code and to make sure that the community is educated about living under the Honor System. As an ASCIT Vice President/BoC Chair I want to make sure that the BoC is playing this role effectively.

One of the primary responsibilities of the Board of Control is to aid in the investigation of possible honor code violations with the BoC Secretary and to preside over hearings when a case is brought to the full board. I have served on the Board of Control as a Representative at large for the past year and have assisted with the process of investigation and resolution of Honor Code Violations. Everyone deserves the right to a timely and well-thought out investigation before a case is even presented to the full Board. I feel that this responsibility is extremely important, and I will do my best to devote a great deal of time and effort to this process.

The Board of Control Chairman must act as a liaison between the BoC and the rest of the Undergraduate Community. In addition to explaining the Honor System to new students, this includes soliciting input from the undergraduate community about the fictitiousness of the Honor System and theoard of Control. Recently, the BoC has devised several strategies for improving communication between the Board and the community. Some of these ideas involve distributing a survey to current undergraduates asking for impressions of the system. I feel that this idea is extremely important, and fo I am elected, I will attempt to fill this position to the best of my ability. I hope that you will consider voting for me for ASCIT Vice President/BoC Chairman in Monday's election.
Hi. My name is David Relyea, and I'm running for ASCIT President. I tried to recycle my statement for ASCIT Secretary from last year, but somebody deleted it. My goal as ASCIT President will be to find that statement and knead it. Actually, I'm running for ASCIT President for a variety of reasons. During my term as ASCIT Secretary, I learned how the BOD conducted its business (on a day by day and a term by term basis) and I talked and worked with various members of the administration. I saw budgets for clubs and publicized for money from higher powers, and put out a decently comprehensive set of minutes every week. I enjoyed serving on the ASCIT BOD. I'm not even bitter. Serving on the BOD allowed me to open-mindedly (usually - nobody's perfect) have a broad view of our financial changes, and general weekly decisions concerning the student body. The BOD attempted and (I feel) succeeded in fairly doing business (no more room for houses, clubs, events, etc.). Very few complaints surfaced after our budget meeting (and very few for the entire year). The BOD didn't aggravate the entire student body, and I'd like to continue this tradition (go figure) by adhering to most of the current BOD's policies (financial, administrative, etc.). From my experience on the BOD, I feel that I'm qualified for the position of president and that I can do a reasonable job of running the ASCIT BOD. As many undergraduates don't actually know what the ASCIT president does, I'll add that the job of the ASCIT president currently involves tasks such as relating student issues to the faculty and administration, making sure that the operations of the ASCIT BOD are running smoothly, signing checks (requires a messy signature), and acting as information guru to everyone who needs to know bizarre, exotic questions that might pertain to the ASCIT president (I know nothing about the status of the ASCIT Van in 1963) (but there are minutes which run back to the forties in the ASCIT office, and if you think I'm going to read them, then you know how boring spring break gets at Caltech). The ASCIT president is also supposed to act as a fair, non-partisan arbiter upon the BOD, and I believe that during my term as Secretary, I've fairly considered both sides of every argument before arriving at a decision (and voting).

The ASCIT BOD has been responsive to the needs and desires of the student body, houses, and groups. I intend to put a considerable amount of effort into making sure that next year's BOD is (and most importantly, I am) just as responsive to the comments, queries, requests, and demands-by-gun-point from the student body (though the last, I believe, can be handled by the BOC Chair). I believe I have the experience, the ability, and (very importantly) the time it takes to be ASCIT President. Again, my name is David Relyea. Thanks for reading this.

Note to the reader: by the time you have finished reading my statement, you will hopefully know the answers to the ancient and often debated question, “What to do when you stub a baby’s finger by *”.

Before I go into the various points of my manifesto, I believe a brief introduction about me would be helpful. For those of you who do not know me, you can call me Jamie Walls; for those of you who do, I told you not to call me. Those of you trained in physiognomy, those who read Cosmopolitan and can see from my picture that I am an introverted soul who seeks asylum from the outside world, choosing to hide behind a veil of hair. Don’t let my child-mostly appearing appearance fool you; I really despise children, especially the ones that have eyes (I have been exonerated from all charges brought against me).

Although I have done nothing for the Caltech Community except consume precious oxygen, my pre-Caltech days were full of moments where I assumed various degrees of leadership. During my high school days as head librarian’s aide, I helped mitigate the Occultist’s toy drive, the Depression system to the Library of Congress system. During a summer in Berkeley, I became involved with a group of militant antipartheid electrophysiologists that had a solo goal to propagate the idea that all nervous twitching of muscles could be remedied with electric shocks to the thyroid gland supplement remedial reading. For this time, I worked my way up to top test specimen, where experiments performed on me helped establish the link between the dreaded charley horse and the music of Tony Bennett. Enough about me, sorid past. You may be asking yourself what can I do for you? Here are five propositions that, if elected, I would try to implement.

Proposition 1. I propose to help nurture student/administration relations by allowing lists of addresses, telephone numbers, and other personal information of the various members of the administration to be available to the student body. This will facilitate in achieving that intimate level that only terrorists and stalkers possess with their acquaintances/victims.

Proposition 2. Doughnuts!!! When I think about the main function of ASCIT President, this word resonates inside of me. To think that this delicious word, composed of two words, one slang for money, the other slang for insanity, could come to symbolize the ASCIT President. You may be asking yourself what the identity of Jamie character have in store for the donuts? Well wonder no longer, for I propose that we get rid of those bland tasting, all too greasy and grossy Far Fester’s donuts (ARKA the Donut Man), and replace them with sumptuous yet subtle Winchell’s Donuts, whose flavor still reminds me of my happy days in the quarry.

Proposition 3. The ASCIT minutes will from now on be reported in Swahili, with ASCIT BOD meetings being conducted in Asmara, this further preserving the technical nature of out school.

Proposition 4. I will actively campaign for increased safety measures here on campus. The feeling of security is an intrinsic right that all people should be allowed to possess. Keeping this in mind, I will make sure security officers are fully armed with the latest technology in armor piercing ammo, and a policy of brutality will be implemented to help us, the students, feel safer. Speed bumps will be constructed all through campus sidewalks to make sure people are not walking at unhealthy speeds. Also, if I am elected, I will personally wear a seat belt at all ASCIT BOD meetings, hopefully presenting the message that seatbelts save lives to the Caltech masses.

Proposition 5. To remove the number 4 from all campus extensions. Along with these changes in extension structure, I would also try to fund more clubs. In the past, clubs and events like Scientists for Safism, the Peraphalism’s Toy Drive, and Wei Hwa’s Puzzle club could not be funded, no doubt due to budget constraints. I propose to make funding no longer an issue by strengthening the ties between student government and organized crime.

Proposition 6 (66). My final point: none of what we do now, no matter how revolutionary in nature, can save Caltech from its fate. Old Celtic lore prophesied that a gigantic shattering of the earth (an earthquake) would cause the ground to open up, causing Caltech (referred to in legend as the City of the Damned) to sink back to the depths of hell in which it was spawned. Oh well.

I hope you enjoyed the manifesto as much as my psychological advisor at the health center did. My election as ASCIT President would be a turning point in student body elections (the term "downfall" comes to mind). I hope you are now in an enlightened frame of mind to do the right thing.
Late Evening Pick-Me-Ups
At The Coffeehouse
She's Open Again

Weekdays 8-1
Weekends 7-1

Coffee Still 5¢/cup

Late Evening Pick-Me-Ups
At The Coffeehouse
She's Open Again

Weekdays 8-1
Weekends 7-1

Coffee Still 5¢/cup

Success and Desire
by Samson Tinner

Your life is your own. When you sit down to do a homework set, you do it for yourself, no one else. You are the master of your destiny. Your success in life is up to you and you alone. You can achieve anything you want. The question becomes, how often do you want to succeed?

Desire is the most important ingredient to success. If you want anything badly enough, you can get it. You can become who you never thought you'd be if only you are willing to work hard enough. In the words of Vidal Sassoon, "The only place where success comes before work in the dictionary."

Achieving your dreams will require hard work. When you are writing your goals list, figure out how much work you will have to do to accomplish each goal. Determine how much free time you will need to give up or how much money you will need to save. If you want more of something badly enough, you will make the sacrifice. Let your goal be to become a tenured professor at a top university, like Caltech. Ask yourself, are you willing to work an extra hour every day to get a 4.0 GPA? Are you willing to spend six months a day studying and working in a lab so you can be a pioneeer to achieve your goal? Are you willing to spend less time in the lounge talking to friends and more time working? If you are willing to make the extra effort, are you willing to risk that someone else might, and pass you by?

The real question is, what are the consequences of not achieving your goals? The only way I know to constantly remind yourself of your goals is to think about them when you get up in the morning, between classes, and when you go to bed. This way you will never have succeeded—most companies don't succeed. But, if you invested your dreams with a ferocious desire, you created EDS which he would later sell for 1 billion dollars.

How can you build a burning desire to succeed? How can you build the willpower to work the extra hours? How can you reach your goals? The only way I know is to constantly remind yourself of your goals. Think about them. I know that when you get up in the morning, between classes, and when you go to bed you will be reminded of them, the more important they will become to you. You will become your life—as they should be, you will be the master of your life knowing you accomplished your goals. Once you do have the unwavering desire to succeed, everything else will follow. By that point you will have the vision of what you want to do and what you will have your goals list, which will help keep you focused on your future, and you will have a plan to achieve each of your goals. These are four main ingredients in the recipe to become successful. If you master the four things, you can make the sacrifices necessary to achieve your goals. Beware. You don't want to just become the next Ross Perot. Next Week: Your Future, Your Attitude.

1996

January 13, 1996
Suspicious Odor
Security responded to a report of a gas leak at 370 Caltech on the 3rd floor. Security notified the Pasadena Fire Department. Upon their arrival it was discovered that the smell was lighter fluid that was being used on the oven, not a gas leak. They gave up the item they were looking for and left.

January 11, 1996
Theft
A white Hatachi, Auto Home Machine was last seen on December 12, as of January 11 the wholemaker was last seen. The theft was reported by a person in the immediate area. The item was valued at $230.

January 9, 1996
Suspicious Person
Security responded to a report of a suspicious person in the tunnel area. Upon arrival they were looking for an unknown person in the tunnel area. The item was valued at $230.

January 7, 1996
False Fire Alarm
While playing with a Frisbee, students in Blacker House incidentally hit a smoke detector. Service mechanic notified.

January 8, 1996
Suspicious Person
Security responded to a report of a suspicious person in the tunnel area. The item was valued at $230.

January 6, 1996
Victim stated that his office was in proper order on January 6, at 9:00 p.m. Upon returning to work on Monday, discovered that his office was not in proper order. The item was valued at $10.

January 5, 1996
Vandalism
Security responded to a report of vandalism to a vehicle parked in a parking lot. Security notified the local police department.

January 4, 1996
Vandalism
Security responded to a report of vandalism to a vehicle parked in a parking lot. Security notified the local police department.

January 3, 1996
Suspicious Odor
Security responded to a report of a gas leak at 370 Caltech on the 3rd floor. Security notified the Pasadena Fire Department. Upon their arrival it was discovered that the smell was lighter fluid that was being used on the oven, not a gas leak. They gave up the item they were looking for and left.
**Jim's CD Reviews**

**by Jim Pierce**

The CD's reviewed are all ones that I liked enough to buy, and as a result, the starring scheme is a little weird. It works like this:

0 - a gift, saved only to be a ride chaser
1 - it's okay, so I keep it around for those occasional urges
2 - it's pretty good, but either not great or not my usual genera
3 - it's good, gets listened to regu-
4 - it's really good and spends more than its share of time in the player
5 - it's absolutely awesome and I live without it. (Note: there are not very many CDs that make it this high)

Meat-3, Sud dev-5

The halves are because I can never make up my mind. If I want to play it, I play it. If I don't want to listen to it, I don't. It might sound like I don't care, but I do give a lot of CDs a second or third chance. I just don't live with one unless I really love it. I'm a CD collector, not a CD listener.

**Alien Community 1+1**

This purple album with two chews on the front is a two-CD set from FAX USA. Found in the ambient section, I bought it on a whim; since then, it has taken me on a long and perilous voyage with interdimensional communica-

The first CD begins with a very airy, open atmosphere, leading to that beep-beep-boop fast ambient we know so well. After an hour of sounds that conjure images of hyperspace travel from a golden thrones dicing Scien fiction novel, it goes away with a few beeps akin to Close Encounters of the Third Kind. The second disc is much more atmospheric than the first, and it's not quite as fast. As all in, 12 bucks for 2 hours 6 minutes and 9 seconds of good ambient, well spent.

3.5 stars


After hearing They Might Be Giants' version of their 1969 song "Jeeves" from their eponymous collection of the same name which they have been touring for the past five years or so, there's no doubt that, with the resurgence of ska and reggae, the band should be reserved for volume 2. Unfortunately, this wasn't as good as volume 1; however, it did relatively well in the player. Lpraraj had Dance #3, and the Tannamalchoch had a very chant- like, monotone "worricum." Some things weren't so hot, like "god" by black Jesus. The continuity of the two CDs were interwoven with every song. If you like ambi-

Ambient - 152 minutes 33 seconds, a brief history of ambient, volume 1

This is, in my opinion, the best ambient composition I own. Granted, they butchered "Phaedra" by Tangerine Dream to make it short enough, but they have included lots of Eno, Hassel, and Fripp, as well as in-

Ambient - Imaginary landscapes, a brief history of ambient, volume 2

Unfortunately, this wasn't as well written a song as I expected it to be. I especially liked "Sayed's Ball," an auspicious start to what proved to be an ex-

4.5 stars

**And Now For Something completely Different**

**CD Reviews by Terry Moran**

Although some of these are right off the press, I'll be trying to introduce some somewhat older CDs which are worthy of notice of a more under-

coversugery of They Might Be Giants and Cake is simply very cool—

This isn't a very well known band (in fact, I'd say the front cover of this al-

**Cake: Motorcycle of Generation (Capicorn)**

This Sacramento based group is defi-

**Valerie’s Voice**

This album is honest proof that bands can get too old; most just disappear, leaving a whisking of "whatever happened to..." in the mouths of the fans, but BAD had to slap their fans with one album too many. The label may say punk, but the music is much more in the style of John Denver: in one song, Mick Jones complains of how many Vitamin C he finds himself taking, while in another he claims he "turns out a punk" if this is punk, then Mr. Rogers must be a rapper. I guess I wouldn't have been disappointed if the last BAD album, Big Audio Dynamite II, hadn't been so damn good; with the original creation of BAD with the joining of the talents of Mick Jones of The Clash and a couple other re-

**Dave Clarke**

Disco darling Clarke has been keeping a low profile until recently, being more into everything—includ-

**The Aphex Twin - I care because you do**

I care because you do in an extremely talented way, and the second album whose bpm is not too fast, but not ambient. It's the enigmatic collection of the Aphex Twin's techno singles released from 90-94, excluding my personal favorite, ventolin. Some of it does get to me, but the overall elec-

**Tori Amos - Under the Pink**

This is absolutely her best album. It's personal; it's all about my mo-

**Tori Amos - Crucify**

This is her CD single with some other stuff. It has a whole new set of music and a very airy, open atmosphere, because that you can actually understand the lyr-

**Tori Amos - Little Earthquakes**

I can't remember when I first heard this album, but some-

**Dance Hall Crashers - Lockjaw**

Although they've dropped ska and rock, these guys have kept the feel. Remaining in the background for the past five years or so, there's no doubt that, with the resurgence of ska in the growing popularity of No Doubt and Rancid and revisits to the English Beat, and the Specials, the Dance Hall Crashers are likely up and coming. Personally, I like ska quite a bit, and really liked this album. I found a first place or two to go: to the group is an all female Ameri-

**Suede - Suede (Columbia)**

This isn't a very well known band (in fact, I'd say the front cover of this album is enough to discourage most people from looking farther, unfortu-

**Suede - The Next Life**, and "Pantimine Home" are just awesome

hum, and sometimes even yells at you. She sings of love and sex and loss and sadness. The piano echoes sorrowful tunes behind her, and drums are added. I feel you in your ears. Definitely a great al-

**Tori Amos**

I have had a chance to review this album, whether for falling asleep, to the group is an all female Ameri-

**The California Tech January 19, 1996**

**FEATURES**

So, we have been just throwing in CD reviews here and there as we get them for a time, and, like all good bachelors, our CD reviewers have conferred and decided to actually work together in something less than a completely chaotic way. So, we'll have CD reviews as a general feature, with over four different reviewers (in alphabetic, not geographic order): Mike Benedetti, who will be reviewing mostly the blues, folk music, pop music, and country; his alternative/techno set of ears, James Pierce (who has taken upon himself to review over 354 CDs so far, all to come for a LONG time!); Terry Moran, who finds himself heading towards punk/ska, with some classical rock mixed somewhere in there; and lastly, Patricia Vela, who is the Power.05.9. — Cypress-Hillophile.**
They do exciting things. Like mining oil instead of pumping it. Working on air pollution. Making electricity from the atom. Isn’t that the kind of company you’d like to work for?

Work for the Tech
ATHLETIC ACCOLADES

by Angie Bealko

Over the next term, some of Caltech's most outstanding athletes and members of the community will be spotlighted weekly in this section. This week, two four year lettermen who have made outstanding contributions to the community as a whole are featured: Laura Verhoff and Mike Greene.

All Aces:

Senior Laura Verhoff spends a lot of her time around the athletic facilities at Caltech. Besides being a four year letterman on the Women's Varsity Tennis team, Laura has also played Varsity Volleyball three years (lettering once), club softball, and some women's water polo. But her connection with the Athletic Department doesn't end there. Laura also helped start the Athletic Counsel for Mentoring and Education, a group of student athletes at Caltech who receive training on various issues surrounding athletes, plan special events for the department, and keep their teams up to date on what's happening around campus. Ms. Verhoff has also dedicated a lot of time and effort toward various activities through-out campus. She was on the social team of Page House, and has served as its historian and Vice President in the past as well. In addition, she was ASCIT Athman for awhile and helped organize a hilarious mess left by the previous Athman. Laura also has worked at the Residence Life Office for the past three years and worked at the Athenaeum for a year. She hails from Sarasota Florida and hence, you can often find her trying to catch a few rays out on the lawn somewhere on campus. Laura is majoring in environmental engineering and plans to enter the work force after graduating in June. Some of her greatest achievements in tennis include: 1993 Most Inspirational, 1993 Players Award, 1994 Most Inspirational, 1994 Co- MVP, 1995 Co-Captain, and 1996 Captain. During the 1994 season, Laura also posted an amazing 15 and 3 record with her #3 doubles partner June Fujimoto. This year Laura looks to make strong contributions to her team once again in hopes to finish even higher in the SCIAC championships than last year's high of a fourth place tie. Laura concentrates very deeply on the court and it quite an inspiration to watch. Catch her in action at the team's home matches this year on Wednesday afternoons and Saturday mornings.

Water World:

If you've ever seen Senior Mike Greene walking around campus, you might think he was just the average mellow Californian green boy. You would never know by looking at his relaxed stroll or his warm smile that this man would try to tear you apart if he ever met you in a pool. But then that's what might give him that extra edge... being underestimated. Mike has lettered for the past four years in both swimming and water polo. He plays with the sort of passion that many athletes at Caltech could only dream of. He currently holds three individual records at Caltech: 50 free, 100 free, and 100 fly. Mike has already made huge strides this year as he made an outstanding showing at UNLV over Christmas break against some very steep competition. His best races this year have been a 21.1 posting for the 50 free in which he took 2nd for that race, and a 56.7 finish for the 100 backstroke in which he won the race. Mike is hoping to make his first appearance at the NCAA National Championships this year, and according to his coach Clint Dodd his chances are excellent. Mr. Greene works extremely hard training throughout the season swimming every day from 4 to 6 and two times a week in the mornings. He also lifts weights three times a week. Mike also puts in a lot of time as Page House's Vice President and one of the house waiters. He plans on entering graduate school after he graduates with a B.S. in environmental engineering in June. Mike is a true pleasure to watch due to his amazing speed. His philosophy during races he says is "to beat the guy next to me, especially when he takes second place." Mike played on his high school water polo team and swam as well when he lived in El Toro California. He hopes to try diving some time during the season, but is currently concentrating on increasing his speed for SCIAC swimming finals in six weeks. Witness Mike's smooth strokes at Saturday morning meets as he trains for a trip to Nationals.

Scoreboard

by Angie Bealko

Friday 1/5 Men’s Basketball Won 76-55 Arizona College of the Bible (Hi-Tech Tournament)
Saturday 1/6 Men’s Basketball Won 71-61 Southwestern (Hi-Tech Tournament)
Saturday 1/6 Women’s Basketball Lost 23-72 Swarthmore
Saturday 1/6 Men’s Swimming Won 72-155 Pomona Pitzer
Saturday 1/6 Women’s Swimming Won 31-162 Pomona Pitzer
Tuesday 1/9 Women’s Basketball Lost 33-57 La Sierra

City

Los Angeles

Chicago

New York

Boston

San Francisco

Dallas

London

Paris

Friday Jan. 12th

Thursday Jan. 11th

Tuesday 1/9 Women’s Basketball Lost 33-57 La Sierra

Wednesday Jan. 10th

• Men’s Basketball LOST to Occidental 59-71
• Women’s Basketball LOST to Pacific Christian 41-55
• Men’s Basketball LOST to Whittier 37-70
Swimmers Battle Pomona and Pitzer

by Clint Dodd

Last Saturday the swim team hosted the men and women from Pomona Pitzer. The ladies of Pomona are historically one of the nation’s top teams. The sunny day saw the Techers losing on both fronts from the opening events. Only Phil Rodriguez winning both diving events and Mike Greene touching out a Pomona swimmer (22.42, 22.52) were the highlights for the men.

Liz Callaghan had the closest of matches as she just missed first on the three meter diving (200.35 to 200.55) but came back to win the one meter board (202.95 to 200.20). Caltech did have some good individual performances. Doris Tao and a sick Jen Holland had a good race in the 50 freestyle. Wes Tanaka swam a solid 100 yard fly with 1:02.07 and Sookeeo Bhuta lowered his time to 5:40.42 in the 500 yard freestyle placing second. First time divers Mike Fisher and James Honaker shined on the boards when Fisher upset the Pomona’s diver on the one meter board to grab a second place (142.65 to 140.80). Final score for the men were Caltech 72, Pomona 155 and for the women, Caltech 31, Pomona 162.

Men’s Volleyball Club News

by Rich Chin

The Caltech Men’s Volleyball Club opens its competitive season this Saturday at a Wesnite Tournament to be held at Fairfax High School. Hoping to surpass its 12-6 match record of last year, the team has been drilling hard through the off season. This year, the squad elected last years star outside hitter Andreas Masur as coach, and he is doing a remarkable job in polishing the veterans skills as well as familiarizing the new members with the teams style of play. Andy Berkyn is the new Team President, contributing his administrative skills as well as his solid presence as an outside hitter. The team roster is dominated by a core of returning players, all of whom have started in at least some of last years matches. Setters Chad Edwards and Rich Chin are reveling in the improved passing and attacking options of the new squad. Middle blockers Ken Wiberg, Stuart Demcak, and Gary Leszkowicz are becoming ever more intimidating in their blocking, and the years worth of experience with the setters has allowed a greater diversity of attacking options from the middle. Opposite hitter Mark Lonergan has reduced his playing time, but when he is around, his presence is strongly felt by both the team and its opponents. Outside hitters Andy Berkyn, Mike Buri, Andreas Masur, Jack Prater, Brendan McKenney, and Aaron Kich have formed up their passing and defensive skills, and, as always, are showing brilliance in killing the ball. The squad welcomed six new members this year, who have increased the depth in many of the positions. Steve Sears, Wengki Ching, and Joel Jones have adapted to the outside hitting option with great facility. Forrest Fisher is training with the middle hitters, and has already begun to show good blocking skills. As an opposite hitter, we now have Tyson Grant, who is natural for the position, being left-handed and able to blast the ball as hard as anyone on the team. Finally, there is Mike Machczyński, who’s versatile skills have led him to see time in just about every position on court, though he is concentrating on the opposite and middle positions. With the larger roster and great depth in every position, the team is looking into play - ing in several venues this year. Intracollegiate matches are being scheduled and USAV, Westside, and other league tournaments are being investigated. The club hopes to have an exciting, successful season, and looks forward to continue to bring highly competitive men’s indoor volleyball to Caltech.

A Message From the Sports Editor:

Sports at Caltech?!

Yes, they exist. As a matter of fact, about one fourth of the undergraduates at Caltech play an intercollegiate sport. A good many of them could even hold their own at other collegiate athletic programs. It’s too much for you to believe you say? Well, you need not doubt any longer. Over the next term, in the new and improved sports section, you will read about the accomplishments of some of Caltech’s finest intercollegiate athletes. There will also be articles written about all kinds of athletic events covering intercollegiate activity, club sports, GSC leagues, and interhouse. You’ll see lists of past week’s results and upcoming events. Features on members of the athletic department will also flash across these pages. I have decided that it’s time that Caltech had a real sports section in its paper since so many members of the community participate in and support athletics here. However, I can’t do it all alone. So send me articles about your last cycling race or your department’s annual Frisbee golf tournament or any other athletic endeavor for that matter. The most precedent articles will be printed first. If you would like to see someone’s athletic accomplishments acknowledged, send me that information as well. Email all articles to angie@ugcs. The California Tech

McKINSEY & COMPANY’S TOKYO OFFICE

INVITES PHD & MS CANDIDATES IN SCIENCE & ENGINEERING

TO ATTEND A DISCUSSION ON FEBRUARY 2/3, 1996

McKinsey & Company is an international management consulting firm that serves the top management of companies and public organizations in most industrial nations and some developing countries on matters of strategy, organization, and operations.

The purpose of our presentation is to acquaint you with our activities in Japan and to answer your questions about a career with our firm.

If you are interested in joining us on February 2 in San Francisco or February 3 in Boston, please contact Kayoko Watanabe in our Tokyo office either by collect call or email, no later than January 25.

(As our presentation is conducted in Japanese language, attendees are expected to have a full command of Japanese language.)

Kayoko Watanabe
telephone: 011-81-3-5562-2106
e-mail: Kayoko_Watanabe@mcKinsey.com
STATS ON STAFF by Angie Bealko

This section will introduce you to various staff members of the Athletic Department. Anyone from coaches to building supervisors will be featured throughout the term. The first spotlight focuses on head athletic trainer Denise Gebaldon.

Bones and Bruises

Often times the student-athletes joke around that they spend more time in the training room than on the practice field. Head trainer Denise Gebaldon would tend to tell you that it’s no joke. If you’ve ever strolled into the training room you’ve seen how many athletes she has to help heal and tape up every day. Denise has been at Caltech since 1992. Prior to that she was the head trainer at Mesa State College for a year and Cholla High School for two years. She received her B.S. from the University of Nebraska at Lincoln and her M.S. from the University of Arizona. Denise has been an NATA certified trainer since 1989. She is by far the most overworked staff member of the Athletic Department. Without Denise most of the athletes would fall apart. Besides working in the training room everyday from 1 p.m. until anywhere from 7 to 10 p.m., Denise also is on the Health Week Planning Committee, serves as one of the heads of the Athletic Counsel for Mentoring and Education, and is the Sports Information Director, and teaches several P.E. classes (including an excellent movement anatomy class, prevention and care of athletic injuries class, and introduction to Physical Fitness class). Taking one of her classes or stopping into the training room to meet her could be one of the most pleasant experiences you have at Caltech... just ask any of the athletes. Denise is extremely knowledgeable and will help put you on the road to recovery before you know it. The training room is open from 1 to 3 p.m. Monday through Friday to all staff, faculty and students. From 3 p.m. to 6 p.m. the facility is reserved for intercollegiate athletes only.

Hoopsters Take On Pacific Christian
by Angie Bealko

Last Friday Caltech’s women’s basketball team met Pacific Christian for the last home game of the season. Despite having lost two previous season match ups to the P.C. Royals by more than thirty points each time, the Beavers made an impressive final showing and fell by only fourteen. Before the game began, lone senior Angie Bealko was honored with a bouquet of flowers and some warm words from coach Roche. Caltech came out strong from the very beginning keeping the game very close for three fourths of the match-up. Sophomore Irene Wong stole several passes in the first few minutes giving the Royals a scare. Sophomores Michaelleen Callahan and Lori Huo did a phenomenal job putting pressure on the defense and controlling the offense at guard. Freshmen Rachel Steinberger and Kara Sweidlow played tough at forward setting some excellent pick and pushing around opponents in the key. Sophomore Frances Su earned herself the title of “Frances the Fierce Forward” when she literally tackled and flattened an opponent. That one went down in the record books as the most flagrant foul in Tech history. Junior Melissa Hampton and Freshman Joanna Dodd provided a much needed offensive threat as baseline forwards, garnering several offensive rebounds. Hampton also earned herself four fouls proving she can hold her own in the key. One of her fouls was actually a perfectly clean block stolen away by a referee. There was a moment when the crowd, boosing and hissing, looked as if it would riot after that play. Bealko and Junior Ellis Meng controlled the top of the key for the Beavers on offense, each sinking twelve points. Bealko went out in style for her last intercollegiate home game, fouling out with 4.1 seconds left in the game. The final score of 41-55 did nothing to discourage the lady hoopsters as they looked forward to meeting La Sierra for their final season match up last night. The score for that game was not available at press time.

As we dance to the “Masochism Tango”

Now’s the time to find out about SURF!!!

Join us for an informational meeting on Thursday, February 1 at 5 p.m.
Room 153 Noyes

Former SURFers will be on hand to answer your questions about SURF.

CALL 1-800-859-8535
INTERNET http://www2.com-acw
Although affirmative action may seem problematic to many today, those who are reared under this hideous doctrine are still alive today. Is it that bad for Asians, think of how much worse it is for Blacks.

Examining the premise that equality exists among minorities and majorities, it becomes obvious that the premise is indeed a weak one, if not an incorrect one. How so? Well for each negative or missing fact, the minority population loses a hero, and gains a white idol, leading the minorities of other colors to view themselves as inferior. Additionally, if a white society sensing this bias is the view by perpetuating these issues in action and in speech.

Let us now examine the premises involving affirmative action only, and not the state of the nation. Many of the arguments against affirmative action involve less capable minorities, "deleterious" effects, or appeals to reverse-racism. The argument that the majority population is being looked over for unqualified minorities does not hold water. If one were to take a look at the st atistics produced by the U.S. Census Bureau, and specifically at the top students in each of the categories, there exists enough min orities of outstanding academic excellence. An example of equal equality is the following: Take students with a 1500+ SAT score, and in the top 5% of their school. The number of Asian and Latinos occupying those slots is essentially equal, yet for some reason we do not have people complaining about Asians taking the slots of more qualified whites. The point of reverse-racism was nicely countered last week reply. Practicing reverse-racism in a society which practices racism should equalize the negative effects of both, because white people may be. So long as racism exists, affirmative action plays some role in neutralizing the effects.

In view of all the facts and criticisms of affirmative action, the debater must realize that affirmative action has lost its most important goal. Thirty years is nothing. Our generations parents grew up during the Second World War, living a time period when racism was rampant. How can we expect this problem to disappear when those reared under this hideous doctrine are still alive today? Although affirmative action may seem problematic to many today, the effects of removing it would be worse. However, instead of voting yah or nay for affirmative action, I feel we must discuss the issues involved and realize the future ramifications of any conclusion we make as a whole.

In view of all the facts and criticisms of affirmative action, the debater must realize that affirmative action has lost its most important goal. Thirty years is nothing. Our generations parents grew up during the Second World War, living a time period when racism was rampant. How can we expect this problem to disappear when those reared under this hideous doctrine are still alive today? Although affirmative action may seem problematic to many today, the effects of removing it would be worse. However, instead of voting yah or nay for affirmative action, I feel we must discuss the issues involved and realize the future ramifications of any conclusion we make as a whole.
American Association of University

Dry

Admiralty

DAYS

(818) 577-1438

envelope

Pasadena

official

floor of Baxter, on February 8th at 3 pm. The competition is open to both undergraduate and graduate students who are planning to en-

ter PhD full time in 1996. Women who are U.S. Citizens, who will be at least sopho-

mores in 1996-97, and who have a mini-

mum GPA of 3.0 are eligible to apply. Ap-

plicants must also be supportive of the dis-

continuing education in naval policy or public policy. The competition is open to both graduate and undergraduate students. Students can enter either a paper or oral presentation, and must be U.S. Citizens, who will be at least sophomores in 1996-97.

The National Academy for Nuclear Train-

ing awards scholarships to engineering un-

dergraduates with outstanding academic achievement and interest in careers in the nuclear power industry. For the upcoming year, 200 college sophomores, juniors, and seniors will be awarded scholarships of $2,500 each. To be eligible, you must have a 3.0 average and be majoring in one of the following: nuclear engineering, electrical or chemical engineering (with nuclear focus or options). Applicants must be U.S. Citizens, and must have outstanding grades of 3.0 and be recommended by their academic advisors. The competition is open to both graduate and undergraduate programs or related fields.

The California Tech 40-58 SAC

PASADENA, CALIFORNIA 91125

The American Menusa Education & Re-

search Foundation announces its 1995-96

scholarship competition on January 31 with an application form and instructions. This is an opportunity for full-time students who are planning on pursuing their academic or career goals. Applicants must be U.S. Citizens or permanent residents and must be postmarked on or before January 31, 1995.

The National Academy for Nuclear Train-

ing awards $25,000 scholarships for the 1995-96 academic year. Applicants must meet the following eligibility requirements. In their senior year, they must have a 3.0 grade point average for the past two academic years. They must also be majoring in nuclear, electrical, or chemical engineering.

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