An Educator’s View of Nicaragua’s Revolution

by Josh Kurutz

“We’re going into a potential holocaust in Central America!” was the sentiment expressed by Dr. David Bayer in his STRIVE-sponsored talk entitled, “An Educator’s View of Nicaragua.” Bayer spent 17 July days this year touring Nicaragua, a good deal of the time unsupervised. “The Sandinista revolution is an independent, nationalist movement,” said Bayer. “It has a right to do what it wants. The U.S. has no right to get involved.”

Bayer brought up numerous objections to U.S. government and U.S. government’s policies regarding Nicaragua. He considered the present policies of the U.S. “to be the ‘new’ American.” He cited for support this claim Reagan’s suppression of free press, manipulation of public opinion, and deception of the people through a practice of outright lies.

One of Bayer’s claims was that the U.S. had no right to the support revolution as Reagan would like to believe. “They are just trying to stand up against us,” said Bayer, adding that one of the most substantial problems in this area is the activity of the contras.

The people targeted by the contras, Bayer maintained, are those who are trying to make the revolution take root, said Bayer. As pointed out by the CIA manual on terrorism distributed among the contras, targets include teachers, students, doctors, construction workers, etc., Bayer said. U.S. involvement as a low-key war with a continuing series of excuses for escalation.

The U.S. had to stop arms shipments from Nicaragua to surrounding nations, he said. When his position was challenged, he said, he never actually seen anyone and was, at best, mere hearsay.

The second excuse for getting involved in Nicaragua was that the Sandinista government was Communist and had to be eliminated. “Simplistic, shallow, and speaker countered with his impression that most Nicaraguans feel fine about the revolution,” said Bayer. “The will take to the hills fight to the end if necessary.”

The Nicaraguan government is spending a good deal of effort on shaping their Constitution. Over the last two months, there have been 73 town meetings across the nation to discuss the proposed constitu. This opposition parties have complained about the results of these town meetings and there objections have been heard. Nicaraguans are proud of the engineering, operations, fulfillments their nation has had for over a hundred years dropped from 67% to 14% since 1982, polio has been eliminated, and the handb of the country’s business and 60% of the farmland is under continued on page 3

Grad Student Christine Wilson shows the Palomar Sky Survey plate with her comet’s picture on it.

Palomar Sky Survey To Map Northern Sky In 2,682 Pieces

[CNB]—Caltech astronomers have begun a mammoth five-year proj ect to photograph the entire northern sky using sensitive new photographic techniques. The resulting atlas of the heavens, contained on 2,682 glass plates, will serve as the basic astronomical guide to the skies for decades to come.

Able to record celestial objects several million times fainter than can be detected, the plates of the Palomar Sky Survey—are made using the 48-inch Schmidt telescope at Palomar Observatory—won’t be found in the public local library. But the survey will become a standard reference in the libraries of every major observatory around the world.

The first major step in prepar ing the survey was a new lens, consisting of two pieces of special glass cemented together and ground to a complex surface, which can sharply focus light throughout the visible range and into the near-infrared.

The new lens was only part of an extensive refurbishment by the Palomar technical staff of the 48-inch Schmidt and its support facilities. Once these im provements were complete, early in 1986, the astronomers and technicians were ready to begin the gigantic task of photographing the entire northern sky. Over the last several months, they have tested the facilities and procedures and have now begun to produce the plates of the survey.

Mr. Guinn was appointed vice president of customer and network services at AT&T in 1978. He became chairman of the board of Pacific Telephone and Telegraph in 1980, and was named chief executive officer designate of the Pacific Regional Operating Company in 1983.

Mr. Guinn is a member of the board of directors of Security Pacific National Bank, Di Giorgio Corporation, American Medical Life Insurance Company, and chairman of the California Business Roundtable and a trustee of the New England Foundation for the Arts.

Mr. Guinn was vice chairman of the National Business Roundtable and the Conference Board.

The first Palomar Sky Survey program to focus sharply a wider and Australia. The new lens was only part of a new lens, consisting of two pieces of special glass cemented together and ground to a complex surface, which can sharply focus light throughout the visible range and into the near-infrared.

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Continued on page 3
True Page Spirit

To the Editors:

Slovik's attempted “proof” of Page House's unspiritedness is unreal. In the name of campus unity he insulted Page in order to discredit a possible campus unity. Only by the empty-headed hypocrisy of a buffalo like Slovik could the unspirituality of Page be confirmed.

Page House's spirit has never before been doubted. Because of our strong support of inter-collegiate sports (Page is the greatest source of intercollegiate athletics) and because of our leadership in ASCIT (over half of the officers are from Page) and the BOC (a third from Page), it has generally been Page House's philosophy to participate in these campus-wide activities which the administration supports, not in activities such as name-band parties or traffic jams of which the school or community expressly disapproves.

We have found that inter-collegiate sports and inter-campus government are the most effective channels to generate a positive atmosphere of campus cooperation, involvement and loyalty. Slovik does not value these activities, but the stuff of which Page House is made up. The conclusion truly not suitable for print need not be drawn.

——Konstantin Omhre Dave Parkin

More Spirit

To the Editors:

I am disturbed by Slo-dik's [sic] representation of Page [sic] at the Tech. Page House is not the enemy of campus spirit, nor does Page House lack spirit. Maybe in Adam's argument with his friend, he should have mentioned that he and his large portion of the campus, including Page, don't show up for in house entertainment because that portion is busy boosting campus spirit at outdoor athletic events. Once his friend has been shown that the pride of Caltech can exist in athletic and social events, not just in acting like organized groups (after all, those are the worst things we can get specific). Last year, it was Page house that got stuck with the “F” in the spoolit—the ticket-getters. If it was campus-wide, why didn’t we mix up the houses, so that some Phlegms, Darbs, Moles, etc. got ticketed? So much for the distant past.

I see nothing wrong with participation or non-participation in this new-wave/rock scheme. Although some Page personnel participated for their own personal reasons, most of Page didn’t. Hopefully for these reasons.

Let’s say for a minute Page did like Gongo-Boingo. (?) If we got Gongo-Boingo to play, it would draw a crowd of delinquents, who probably都不会’t be able to get to college anyway, so why do we want them to know about Tech? So they can trash our campus three times this year instead of the normal two (In terhouse, 7-house)? Perhaps the idea may get publicity (however ill­vised), but a lot of Page personnel thought it not worth all-night gravy. Sorry, Slo-dik.

——Digen Page

Language Problems

To the Editors:

Your editorial of 17 October addresses the problem of printing and non-printing of some of your readers (including trustees and donors) might find objectionable. You conclude that in the future, you may practice some form of censorship, not out of editorial conviction, but because of your “healthy fear of the B.O.C.”

I would like to reconsider both sides of that decision. I would like to see you exercise more control over what is printed in the Tech on the simple ground that it is your job as editors to produce a newspaper that sells. At some point I trust that you will continue to uphold constitutionally protected free speech, which should be protected in the face of fear, healthy or otherwise.

Earlier this month Ron Goodman criticized the South house renovation in a letter which was anonymous, partly because it said nothing at great length, and partly because it was unsigned, partly because it was unsigned, partly because it was unsigned, partly because you could not learn from his mistakes.

Ron Goodman had the courage to sign his name to his letter, fearless in its nature, and as a consequence I believe that his letter should have been answered (as it was) but not suppressed. But we can see no reason why you as editors did not apply a large red pencil to the puerile drivel in “The Inside World” which appears in the issue of 17 October under the heading of Dabney and is signed “Jug Rap­papappapappoploplop.”

The quality of writing in “The Inside World” rarely rises to the level of a well-edited high school gossip column, but it is usually in­nocuous folly. Last week’s column, however, appears to be a pro­active r.f. played on Dabney by someone from a rival house. If the inside joke, self-respecting Darbs should iden­tify the pseudonymous author and give him a sound thrashing.

In my experience, Dabney House has shown some very good writers, “Jug R.” is not one of them. Three and four-year olds can get quite excited by words like “dog pooper” and junior high kids are intrigued by the possibilities they find there. “Jug R.” should be restricted to writing on the walls of public washrooms until he develops a more laudatory style.

If “Jug R.” had sent you his col­umn as an anonymous letter, I find it hard to imagine that you would have printed it, partly because it was anonymous, partly because it said nothing at great length, and partly because of its obscenity and nastiness. As editors-in-chief of the Tech you will do a favor to your staff if you demand good writing from your authors.

Firm exercise of your editorial responsibility to publish good writing will be appreciated by your readers.

——John Borton H & SS

On Liberty

To the Editors:

Most of us watched the Liber­ty Weekend celebration during last Fourth of July. The real, official rededication will be on October 29th. In that day, liberty will be a century old, and again, we will probably hear different definitions of our freedoms.

So what is liberty? One com­mon definition of liberty is that it is simply freedom to do what we want. This definition is not wrong. But what is the right thing to do with liberty? Any fool can practice freedom, but how us­ing freedom with responsibility? We speak when we have some freedom, yet when we want, change, assem­ble when we have something to do, we use the press to inform; which is quite a responsibility; and when we practice religion, we take on huge moral responsibilities.

In their worst use, the First Amendment rights are used as justification for doing anything we want. Steve Frazier, a high school student, used sexual innuendo in a speech to his classmates. As expected, he got into trouble. But he took the case to the Supreme Court. If the First Amendment supported his sexual innuendo! He finally lost the case, and he was banned from the school.

If we look at other cases that the ACLU ~supported, we see many similar cases. The First Amendment allows for pornography. Ladies’ nights are for men. Nazis can meet in a Jewish community, and on and on. Where is the freedom with responsibility to use our freedom with good freedom? Any fool can practice freedom, but how using freedom with responsibility?

We find in totalitarian countries that people simply are not freed with liberty, since liberty implies responsibility.

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The CALIFORNIA TECH

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from page 2
not only freedoms but also respon-
sibility. Give a Soviet dissident the right to speak, and he will use it to express his opinion. In using his right, he exercises freedom. We Americans rarely think about our liberty. We never think about how useful an arm is either, until ours is broken. Even more unfortunately, we don’t admit that others don’t have our liberty. President Reagan caused an uproar when he used the phrase “evil empire” to describe the Soviet Union. Those who objected never bothered asking whether the Soviet government is in fact evil. Do we so easily forget that in 1812, the Americans living there were protesting the U.S. invasion of the country. If you decide to fight the Administra-
tion on Nicaragua, (because you lack the information necessary) it’s better to forget about Nicaragua and worry about the U.S., Bayer said.

“If you lack a free press, the next step is to lose the republic.” Bayer added.

According to Bayer, the move to oust the Somosa regime in 1981 is still considered by Bayer to be a republi-
can victory. But although the nation’s structure continues to be supported by the country’s reportedly left-wing government is Daniel Ortega. The government claims (which is stated by Larry Speakes, who was the White House spokes-
man at the time) “We lack the information necessary.”

Dr. Peter Fay
DEPT. OF HS&SS
BAXTER HALL, 243-77

Dr. Fay,

I’ve read your letter, and I’m interested in hands-on art at Caltech. In fact, I encourage you to throw your weight around at Polytechnic and see if you can get us some access to their new art facilities.

Yours, right-brainedly,

Peter Fay

Sky Survey
Astronomers and technicians working that night first choose a field to photograph; each plate is about 61 degrees across—about 13 times the size of the full moon in the night sky. Thus, the area of each plate is about 200 times that of the full moon.

The Schmidt telescope is then loaded with a 14-inch-square glass photographic plate, clamped in a holder designed to warp it to a spherical surface, to eliminate the curvature that is coated with one of three highly sensitive photographic emulsions which are "tuned" to react to red, blue, or near-infrared light. To increase the sensitivity of the plates, a photographic technician has flash-
ed the plates with nitrogen and hydrogen gases, removing oxygen and water molecules from the emulsion, which reduce the reac-
tivity of the plates to light. This process increases the sensitivity of the plates five-fold.

Once loaded, a plate is then exposed for about 60 minutes, as the Schmidt precisely tracks the sky by homing in on a bright guide star in the field. After exposure, the plate is developed and then ex-
amined for quality and to discover such short-lived phenomena as supernovae.

It was just such a first-look pro-
cedure that resulted in the discovery in August of a new comet, dubbed Comet Wilson after its discoverer, Caltech graduate stu-
dent Christine Wilson. That comet, as large as Halley’s Comet, will

be visible with the naked eye in the northern hemisphere next April. Each of the 894 fields to be photographed in the survey—covering from the north celestial pole to the equator—will be imag-
ed using all three kinds of plates; thus, astronomers with the full set of plates can determine the location of the heavens at all three wavelengths. Because of the ills of overflying airplanes, plate defects, or other observational problems, astronomers expect they will have to expose two plates for every one that is finally accepted for the survey.

Thus, over the next five years, well over 5,000 photographic plates will be channeled through the telescope and into the nearby darkroom. From these will come the select 2,682 that will constitute an incomparable wealth of data about the cosmos.

Dr. Peter Fay

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1388 E. Washington Blvd. - Pasadena
Make a Joyful Noise: Vocal Music at Tech

by Amanda Heaton

"What? sing? I can't sing! I don't have know how to sing! I don't have time to sing!"

But, despite this reaction, over 70 people participate in Men's Glee Club, Women's Glee Club, or Chamber Singers. The Glee Clubs offer a singing opportunity for people with little or no experience. "I felt like I should get involved in something," freshman Colin Howell said. "I like to sing, even though I've never had any formal singing. This is one of these once in a lifetime opportunities where you don't have to be Luciano Pavarotti to sing. So I thought, why not?"

"Why did I join?" sophomore Carole Chang asked. "I wanted to learn how to sing. I'd never sung before and here you don't need to know how to sing."

In addition to allowing people to learn how to sing, the Glee Clubs give humanities credit while allowing people to avoid work. "It provides a break from stupid, tedious things like classes and studying," junior Mark Berman, vice president of the Men's Glee Club, said. The Glee Clubs also provide social opportunities. "At first it was a little difficult because you didn't know anybody," Berman said. "But after a couple of weeks of singing the same music you feel a sense of camaraderie and, well, patriotism toward the Glee Club."

The directors also feel this camaraderie. "Choral music is kind of a special involvement because you get to work with so many people," Don Caldwell, director of the Men's Glee Club and Chamber Singers, said. "Here, especially, it's neat, because you get people from all walks of the campus. You really get a feel for the internationalism of Caltech: India, China, England, Canada, Greece. One year we had people introduce themselves adjacent to England and Argentina."

Students also enjoy working with the directors, although they can be demanding. "Monica's been here since the beginning of Women's Glee Club; in fact, she joined Caltech very soon after women were first admitted to the school," sophomore Lisa LePome said about Monica Hubbard, the Women's Glee Club director. "She doesn't always understand how things work here; she doesn't seem to have enough sympathy when you have to stay up all night and miss Glee Club rehearsal. But she's very enthusiastic and excited."

While time constrains pose some problem, most members find that the time spent is worthwhile. "I've only quit once," junior Phyllis Pugh, librarian of the Women's Glee Club, said. "Well, I guess I really didn't quit. I was just fed up and didn't have enough time, so I stopped going to rehearsals. But I like music and Glee Club is the only music I can do anymore. I can't play the trumpet as well as I'd like."

In addition to working together on campus, the Glee Clubs take trips to various parts of the country and the world. "Last year we only went on one trip—the concert tour with the men," sophomore Ann Lewis, vice president of the Women's Glee Club, said. "We went up the California coast, hit the wine country and Monterey. We stayed in a motel in Santa Barbara and with families at the other two places, singing in two churches and a retirement home. The people were really receptive—they were especially impressed that Caltech could produce such a wonderful, 'arty experience.'"

Although the Men's and Women's Glee Clubs generally do pieces separately, they occasionally work on major 4 or 5 part pieces together. "I think it works very well considering the situation," Caldwell said. "This year we'll be doing 5 fairly lengthy pieces together so we'll be working together more. With the Vivaldi [one major piece], we'll be having joint rehearsals on Wednesdays.

While the Glee Clubs have about 30 members each, the Chamber Singers, a more exclusive group requiring that one audition to become a member, has only about 20 people. "Glee Club and Chamber Singers are totally different groups," Caldwell said. "Chamber Singers is smaller and does a completely different kind of literature. Chamber Singers is actually two groups, too; there's a small group within Chamber Singers who do a Renaissance dinner in the spring and sing at the Athenaeum."

Nevertheless, in all their facets, the choirs obey the Caltech philosophy toward extracurriculars. "Caltech is unique," Mark Berman concluded. "It's the only place where you don't need to be a great singer to sing, a great tennis player to play tennis. You can do anything."

OWC: Open to All

by Jennifer Low

O double what? Yes, the Organization for Women at Caltech. But according to Nanette Le Coq, men can be involved with the OWC as well as women, and the OWC is looking for members, especially undergrads.

Nanette Le Coq is, according to membership director Janet Jenkins, one of the forces behind the OWC. Le Coq believes one purpose of the OWC is to provide women "a group to share their concerns."

These concerns can range from career pressures to sexual harassment. The group has been successful in providing a liaison or mediator between two parties where confrontation could prove to be embarrassing or hostile. This has led Caltech to employ a Human Relations Advisor.

The group is now working on "a place on campus for women to meet" and where issues and information concerning women could be posted. As of now, they are still working with the administration. OWC has also considered a "big sister program" to bring graduate students together with undergrads. According to Le Coq, graduate students and women with careers at Caltech have experience which the "Real World" can share with undergraduates.

The OWC also hopes to raise money for Haven House, a center for battered women. In November, they will sponsor their annual wine tasting party.

Some people on campus believe the OWC is merely a feminist activist group. When queried, Le Coq countered that the OWC is merely concerned with issues that affect women. "There is a feeling of isolation among many of the women. The OWC is for women to support other women."

Undergrads are encouraged to find out about the OWC—and not just women. Even men need to be aware "of women's problems" because they usually involve socie­ ty as a whole, not just women. The problem, Le Coq admits, is that undergrads who would like to be involved with the OWC might also be involved in many other activities. "They lack the time to attend."

One of these problems is currently unavoidable simply because of the situation that exists. The small representation of women in the field of science naturally brings attention to them. This leads to, as Le Coq puts it, "subtle forms of discrimination. And along this line, one day Le Coq would like to see a world in which "neither men nor women are aware of the sex of their colleagues" because professionally it would not matter. With the current seven to one ratio among undergrads, Caltech still has a long way to go.

If you would like to help the OWC, they will be meeting next Tuesday, the 26th at noon in the Winnett Lounge.

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A Lecture On Mars

[CNBR—Will humans turn out to be the long-sought form of "life on Mars? Dr. Bruce Murray, professor of planetary science at Caltech and former director of JPL, will explore this question in a free public talk on "Man's Future on Mars," on Wednesday, October 29. Dr. Murray's lecture, which will be at 8 pm in Beckman Auditorium, is the first of this winter's four Earnest C. Watson Lectures.

Dr. Murray will discuss Earth's historic fascination with its close neighbor, from turn-of-the-century myths of little green men to the Viking mission in 1976. He will consider the political and scientific opportunities presented by the current U.S. and Soviet unmanned Mars programs, and speculate on the prospects of human exploration and colonization of the planet early in the 21st century.

One of the founders of the field of planetary science, Dr. Murray has been involved in the science and technology of spacecraft imaging since 1961, when he served as co-investigator on the Mariner 4 probe. Following that project, which brought Earth its first look at the Martian surface, he played an increasingly active role in Mariner missions 6, 7, and 9, and served as imaging team leader for the Mariner 10 (flyby) of Venus and Mercury. He is founder, with Carl Sagan, and vice president of the 120,000 member Planetary Society.

Dr. Murray, 54, received his S.B. in 1953, his S.M. in 1954, and his Ph.D. in 1955, all from M.I.T. He came to Caltech as a research fellow in space science in 1960 and was appointed associate professor in 1963. In 1968 he became professor of planetary science. Dr. Murray was director of the Jet Propulsion Laboratory from 1976 to 1982.

Other upcoming lectures in the Watson Lecture Series are:

- "Heart Attacks: Tactics for Sick Tinctures!" by Jean-Paul Revel, Albert Billings Ruddock Professor of Biology, November 12.
- "Planetary Rings," by Peter Goldreich, Lee A. DuBridge Professor of Astrophysics and Planetary Physics, December 3.

M.L.T. He came to Caltech as a graduate student in 1957, served as a fellow in 1960 and was appointed associate professor in 1963. In 1968 he became professor of planetary science. Dr. Murray was director of the Jet Propulsion Laboratory from 1976 to 1982.

Dick Cary & Band In Beckman

Jazz musician Dick Cary and his band will perform on Saturday, Oct. 25 at 8 pm in Beckman Auditorium. Original music, jazz pieces and big band tunes make up the program. Members of the band include Dick Cary, trumpet, piano and alto horn; Dick Hafer on tenor saxophone and clarinet; Fred Cooper, baritone saxophone, clarinet and flute; Dave Koonce, guitar; Dick Cathcart, trumpet; Thomas Newson, tenor saxophone and clarinet; Rick Mason, trombone; Betty O'Hara, trombone and flugelhorn; Herb Mickman, bass; and Gene Eates, drums. Caltech student tickets are priced at $6.25-5.00-3.75. Rush tickets go on sale the day of the event. Faculty and staff tickets are $10.50-8.00-5.50, with an extra discount during the hours of noon to 4:30 today (Oct. 24) bringing the prices down to $6.25-5.00-3.75. Caltech ID required for discount purchase.

Tickets are available at the Caltech Ticket Office, just north of the Beckman Auditorium parking lot. Call x4652 for information.
The Inside World

Blackey: Dabney last Friday was forced to see a sequel to their own show: "Jinny From Hell II: The Black Side." Blackey expressed their respectful vassalage by handing the football on a platter that Saturday. This weekend also saw the final exams of Ricketts' Underwater Regressive Flicks, and the inaction of the Order. The Penile Emissary Team (PET) ambushed non-Upper P vehicles until one dropped off the edge during the nizzle. And Security thought that they would keep us from getting wet... We of the House and Church of Blacker, the two being one and inseparable, were blessed Monday night by a video-inspired vision of Mike "X" Rigler. The disciples, led by the Cardinals, Steve "Gunshy" Guenner, Nelson "Snake" Hinds, Bengt "Thor" Magnusson, and Irene "Wench" Chen, ensured the obedience on the part of our new adepts; the rest of us ensured their wetness as they ran the gauntlet of the Lounge Run. Brad "Sprout" Scott made the rest of us green with Kaylor. The Master was still not appeased, and abdicated his first two victims, Joe "Kurt's" Reynolds and Fred "Honeydew" Malon. He hungers for new fresh, though. Meanwhile, the Pope is looking for a successor, and the new Purity tests are out. Christina "31" Garden just might be the first Popesetter, having already seen both Dave "Zonie" Cole and last I.H. softball w/Lloyd today, and D. soccer on Sunday. For all those others who feel left out, get a piece of the action by participating in Rent-a-Mole. As you all know, Blacker has accumulated large debts due to our, ah, natural entropic tendencies. In attempt to solve this problem, there will be an auction held today at 7:00PM in our courtyard. Moles will be sold for 24 hours to the highest bidder by the auctioneer, Bernie "Deputy" Santisario. How much will Nancy "Blondie" Drewhoing go for? Where is the Blacker tapestry? Where is our insurance money? Will Bengt "Fud och full" Magnusson attempt the 6-man lift? There will be an auction held today at 7:00PM in our courtyard. Moles will be sold for 24 hours to the highest bidder by the auctioneer, Bernie "Deputy" Santisario. How much will Nancy "Blondie" Drew go for? Where is the Blacker tapestry? Where is our insurance money? Will Bengt "Full och full" Magnusson attempt the 6-man lift? Be with us next time for:

- "Titan versus Titan"
- "The Cold Spud War"

Dabney: In this week's Dabney Inside World!!!

Bizarre! Romance! Sensationalism! Thrill to the latest cliffhanger adventures with Dr. James Xi! Tremble at the huge sums of money so flippantly referred to by the executives of DabuCorp!!! Live the phenomenon that is Dabney Inside World!!! Read first-hand what many have called a "shameless forum for one man's self-indulgence!!!" Become a part of this nation's fastest-growing self-aware deception!!

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- Dabney Inside World!!!
- Dabney Inside World!!!! You cannot afford to be without one!!
- Every week, something different!!
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- Join your friends; join your neighbors in talking about what's new in Dabney House.
- That's Dabney Inside World!!!
- Coming soon!! Watch for it!!

Lloyd: Okay, time to pull out the jokes that we couldn't use during rotation. From Wednesday's Caltech Rotation Quiz:

1. What's the difference between Caltech and Star Trek?
   a. Star Trek is a science-fiction TV show.
   b. Caltech is a leading scientific institution.
   c. In Star Trek, the guys in the red shirts didn't deserve to die.
   d. Ricketts House members like the new furniture there because...
      a. of its stylish design.
      b. it is sturdily constructed.
      c. wood is flammable.

2. A form of birth control easily carried in one's wallet is...
   a. the condom.
   b. the pill.
   c. the Caltech Student ID.

3. More next week.

In other news, we beat Page in Softball last week (yawn). Theron, be sure to make sure for Discobolus Soccer versus Blacker (Sunday at 1). Don't forget the KROQ breakfast is just before that.

Three cheers for the 1986 Interhouse theme, whatever that turned out to be. Drink of the week is the Godless Communist: 1 part Crime de Strawberry, 1 part Sweet and Sour, 3 parts Vodka, 2 parts Tonic water. Tastes like cough syrup, but that's all we had in the Old Country.

- Sketter, Jethro and Eos

Page: Enough of the Farce. We're back in business. We have nothing to hide. The words covered, dug, and of cn be construed to have no derogatory meaning in and of themselves. But once these combine with some grotesque words like zit and pus, some people might be offended.

Gee, some people are so lucky to have loving neighbors. If there are any suspicious noises around the Mich now-a-days, the Pasadena police are promptly summoned by the ever-alert neighbors. Good work crime-stoppers!

Sorry, no hidden messages. But, Herid Yad Si Worrrom.

Pervis Page: After yet another sparkling week at this fine institution of higher learning, Page house finds itself with several new additions to the house. Most notably (and most expensive) is our new television set with a remote control named Eric — and just in time for the finish of the Series! Somewhat less enthusiastically, the South lounge welcomed the addition of two pinball machines, and Lower Arlington alley majors a new version of alley baseball.

Vince and Bill Foster are now distinguished as new Page house food-servers — with Smilin' Bill showing us (and the rest of the dorm) just how much he could eat. After a somewhat sloppy drink-off, Bob Muher was elected beer frosh (the beer fridge is EMPTY, frosh!), and the long hallway now boasts of two new stereo of near-equal quality.

Upcoming social events include a beach trip this weekend, Red Snow at the Roxy Nov. 2, a strong potential for broomball, and an RA's promise to reinstitute alley desert nights (hear that Mega)?

Ricketts: Once upon a time; lived happily ever after; the end. Heidi sure is cryptic sometimes. You never quite know whether she's saying what you think she's saying. It's kind of the same with the renovation committee. These are the student houses, remember? The only problem with the crud roof is the dopy white cat on it. Doesn't she know it's Chad roof, not Guvney's roof?

Steve demonstrated the malfunctioning psychic light switches in the lounge. They don't quite work right because although Steve was able to alter the lighting, he was not able to turn the lights off entirely without physically touching the switches. Oh well.

Don't forget about the ice cream on Saturday at 11AM, and sign up to go Phoenix-ward. And hey, why not have a Scaree men's dinner next week? Oh, by the way, does anyone have any ideas about a theme for interhouse? Until next week...

- Ottoman head and Giggle
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Beavers Tie Hens, Drop La Verne Again

by Joe Pele
This week the Caltech soccer team tied the Pomona Sagehens 2-2 and shot out the La Verne Leos 2-0. The win over the Leos was the second Beaver victory against this conference opponent this year.

In the game against the Sagehens last Saturday, the Beavers gave up the first goal of the game when a Pomona cross-ball bounced aimlessly over the penalty area before rolling slowly into the goal for a score. By the time any Tech-ers could get a boot onto the elusive ball, the linesman had already signaled a score. Caltech managed to tie the score 1-1 and hold the tie to the end of regulation time. In the past two years, the Caltech Beavers have been able to win all four of the contests that they have taken to overtime.

A Sagehen forward gave his team the opportunity to break Tech's winning streak in the first of the two ten-minute over-time periods. He escaped the grasping hands of the last Caltech defender and put the ball under the keeper to take a 2-1 lead. In the second overtime period the Beavers evened the score again. Stefan Marelid, the powerful center full-back from Sweden, threaded the ball through the Pomona defence and scored the tying goal. Caltech successfully held the Pomona side from going ahead for the remainder of the allotted time, but the big Tech attack was unable to push the Beavers over the top for a win. The final score stands at 2-2.

The La Verne Leos came to Caltech field hunting for blood. Caltech had defeated the Leos three weeks earlier at the La Verne field. Every La Verne player was determined to prove that the first result was an upset. They did not expect Caltech to come out scrapping ready to take over where they had left off. The Beavers played well. Not a consolation "they played well." The Beavers out-played La Verne. The final score shows it. Two goals for Caltech, none for La Verne.

Alan Kwentus is the man responsible for the Beavers' first goal. Kwentus took a pass in front on the right wing and used the sixty pound weight difference between him and his defender to scoot around and go towards the goal. The Leos' goal keeper charged out, and Kwentus squared the ball past him. At about this time the hefty defender caught up with Kwentus. This La Verne defender and the goal keeper continued to send the small Tech winger flying. Randy Bownds finished the ball into the goal for Caltech. Kwentus left the match after his shoulder met the ground. The Leos stayed down 1-0 for the first half.

The Beavers scored another goal in the second half to pull the match out of reach of any possible overtime.

The La Verne side whined to the referee and linesmen throughout the match. But these men are limited to administering the laws of the game and could not save the faltering Leos.

The Caltech Booting Beavers have three matches scheduled this week. Tomorrow at 12:00 am they host Redlands University, Wednesday they play Claremont, and next Friday they visit the Pomona coop.

Volleyers Closer
by John Haba
The women's volleyball club is getting better and better, and is looking to pull out some wins in the remaining part of its schedule. Last Saturday saw the team's closest tie, as was evidenced by the fact that the lead changed hands over a dozen times in the last two games the highlight of the match for Tech, was a standout performer for Tech another fine overall performance. Jessica Graves, who recently joined the club, also helped the team cause immensely.

The party begins.
I Can Drive When I Drink.
2 drinks later.
I Can Drive When I Drink.
After 4 drinks.
I Can Drive When I Drink.
After 5 drinks.
I Can Drive When I Drink.
7 drinks in all.

The more you drink, the more coordination you lose. That's a fact, plain and simple.
It's also a fact that 12 ounces of beer, 5 ounces of wine and 1 1/4 ounces of spirits all have the same alcohol content. And consumed in excess, all can affect you. Still, people drink too much and then go out and expect to handle a car. When you drink too much, you can't handle a car. You can't even handle a pen.

WEEKLY SPORTS CALENDAR

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Time</th>
<th>Sport</th>
<th>Opponent</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sat</td>
<td>10-25</td>
<td>9:30 am</td>
<td>Cross Country</td>
<td>Claremont-Mudd-Scripps</td>
<td>Redlands</td>
</tr>
<tr>
<td>Sat</td>
<td>10-25</td>
<td>10:00 am</td>
<td>Soccer</td>
<td>Pomona-Pitzer</td>
<td>Caltech</td>
</tr>
<tr>
<td>Sat</td>
<td>10-25</td>
<td>10:00 am</td>
<td>Water Polo</td>
<td>U. C. San Diego</td>
<td>Caltech</td>
</tr>
<tr>
<td>Sat</td>
<td>10-25</td>
<td>1:00 pm</td>
<td>Fencing</td>
<td>Pomona-Pitzer</td>
<td>Cal Poly Pomona</td>
</tr>
<tr>
<td>Sat</td>
<td>10-25</td>
<td>2:00 pm</td>
<td>Women's Volleyball</td>
<td>Redlands J.V.</td>
<td>Caltech</td>
</tr>
<tr>
<td>Mon</td>
<td>10-27</td>
<td>3:00 pm</td>
<td>Football</td>
<td>Claremont-Mudd</td>
<td>Claremont-Mudd</td>
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<tr>
<td>Wed</td>
<td>10-29</td>
<td>2:30 pm</td>
<td>Soccer</td>
<td>Pomona-Pitzer</td>
<td>Pomona-Pitzer</td>
</tr>
<tr>
<td>Wed</td>
<td>10-29</td>
<td>4:00 pm</td>
<td>Water Polo</td>
<td>Claremont-Mudd</td>
<td>Claremont-Mudd</td>
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<td>10-31</td>
<td>2:30 pm</td>
<td>Soccer</td>
<td>Pomona-Pitzer</td>
<td>Pomona-Pitzer</td>
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<tr>
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<td>10-31</td>
<td>5:00 pm</td>
<td>Women's Volleyball</td>
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<tr>
<td>Sat</td>
<td>11-1</td>
<td>9:30 am</td>
<td>Cross Country</td>
<td>SCIAC Championship</td>
<td>Cal Poly Pomona</td>
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<tr>
<td>Sat</td>
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<td>10:00 am</td>
<td>Water Polo</td>
<td>Cal State Long Beach</td>
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<tr>
<td>Sat</td>
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<td>1:10 pm</td>
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<td>The Masters College</td>
<td>The Masters College</td>
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<td>1:30 pm</td>
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<td>Orange County Cowboys</td>
<td>Occidental</td>
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<tr>
<td>Sat</td>
<td>11-1</td>
<td>2:00 pm</td>
<td>Women's Volleyball</td>
<td>Clare-Mudd-Scripps IV</td>
<td>Caltech</td>
</tr>
</tbody>
</table>

By John Haba
Runners Top Pepp d ine

by Speed Demon

Last weekend at Lower Arroyo Park, the Caltech Beaver barriers accomplished a team goal on their own home turf. By sweeping yet another quadrangular meet, they have assured themselves of a winning season. In so doing, each and every member of the team made a contribution, running competitively and intelligently on Caltech's hot and hilly home course.

Coach Jim O'Brien explained that he had assigned many of the athletes specific jobs they had to do in order for Caltech to win. The team focused its attention on Cal State San Bernardino, a team which had demolished the 1984 and 1985 CIT Cross Country teams. Last year, for instance, CSSB finished four runners before Caltech had one cross the line up in San Bernadino. This was a sound thrashing and they brought essentially the same team to Pasadena with the addition of an athlete who was already running faster times than the other four. Caltech definitely had their work cut out for them and it's a credit to the team that they arrived at the Lower Arroyo Park with hard hats on and lunch pails in tow.

While CSSB had improved somewhat over last year, Caltech's athletes have improved dramatically. John Gehring, Chuck Lee, Mike Jensen and Alex Athanasioupolos all trained hard over the summer. Coach O'Brien believes firmly that this additional training and dedication has been the secret to this team's success.

The race itself was highly dramatic and exciting. For the first 1 1/2 miles Caltech's top four (Gehr­ ing, Lee, Jensen, Jentoft-Nilsen) packed together as a single unit while several CSSB runners were stringing out ahead of them. Then it was time to start reel­ ing them in, each athlete keying on a specific opponent. At the halfway mark (2 1/2 miles), as the runners passed by the starting line, CSSB was still in position to win the race by three points. O'Brien was getting frantic, barking instructions to each of the runners as they raced by, all while calculating the outcome of the race.

Being the finely tuned, highly trained and tremendously coachable team that they are, it was at this point that CIT dropped the hammer and the athletes were clearing the clock of Cal State's fifth man, completing the 3.1 mile race in 32:16 and 32:23. Darin Acosta closed fast to round out the top seven with a time of 32:57. Final score: Caltech 26, CSSB 30.

Other Teams

You are probably wondering about the other teams involved in this meet. Well, we are going to tell you anyway.

Pepperdine U. and Masters College were the other par­ ticipants, but with the exception of Masters' number one runner, there was no contest. Phil Duncan of Masters blazed this course as though he owned it. He now owns the course record after completing it in 28:19. Additionally, John Gehring recorded the fastest time ever on the course by a Caltech runner as he obliterated the old record by 24 seconds, finishing in 29:27. Final score: Caltech 20, Masters 43 and Caltech 16, Pepperdine 47.

Several other Caltech runners ran well in this race as second pack and finishing very strongly. Ron Rogge (33:06), Andrew Stevens (33:54) and Rob Grothe (33:41) all placed ahead of Masters and Pep­ perdine's number two runners.

The Women's Team

Caltech's women weren't near­ ly as successful as the men, but they certainly raced their hearts out and took another victory over Masters College by default while turning in some of their best per­ formances of the year.

Over the hilly 3.1 mile course, Vicki Lane returned to racing after a foot injury, to finish ninth in 24:23. As Margi Pollack closed in fast for eleventh place in a personal best time of 24:38. Jarita Holbrook, who was busy tying her shoe when the race began, played catch-up all the way to finish in 25:12. Closing out the scoring were Christina Garden and Bibi Jentoft-Nilsen, who completed the race in 25:41 and 26:08 respective­ ly. Christina has shown great pro­ mise while steadily moving up through the ranks despite a late start in training and a nagging ankle injury, according to Coach O'Brien. Bibi has been a very steady performer for us throughout the season and is only now begin­ ning to scratch the surface of her potential.

Closing out the top seven were Carmen Shepard (26:25) and Dee Mudd-Scripps (26:34). Dee turned in her best performance of the season.

Caltech was defeated 15 to 40 by a very strong CSSB team, and 22 to 30 by Pepperdine. The home team has been combating a series of minor injuries all season and, as of yet, hasn't had the opportunity to fire on all cylinders.

The Future

This weekend, Caltech tangles with Pomona-Pitzer (for the third time this season) and Claremont-Mudd-Scripps at Pomona. This will close out the dual meet season, as both men's and women's teams begin preparations for the SCIAC Finals at La Mirada Park on the first of November, and the NCAA Division III Western Regional in San Diego on 15 November. Stay tuned for more Orange Crush results.

Caltech's John Gehring set a new course record last weekend in the Beavers' race against Pepperdine University. The Beavers are in action again tomorrow at Pomona.

All-Day Polo

by R. Mikana

The Beavers played polo literally from dawn to dusk this weekend. At first they thought Big Clint wanted them there at 6:00 AM California time, but at 6:00 AM California time, they found their way through the darkness to the pool. No one got lost this week because, fortunately, all five games were at the Caltech pool.

PCC's, their first challenge, was also their closest game. Little did the Beavers know that the first game of the tournament was their chance to knock off the conference champions. The Beavers trailed most of the game, although they had a chance to tie it in the third quarter with no goal in the goal. However, "The Golden Choke" demonstrated excessive strength by hitting the side of the cage as hard as he could, and Tech fell 16-13.

Then the Beavers turned on for two victories against Chapman and Redlands, followed by the tradi­ tional, celebrated victory naps. (The Beavers had been playing since before dawn, after all.) Said Coach Dodd, "Vince, you're a SENIOR!"

The Chapman game was interesting because, by the end of the game, Chapman had four eligible field players in the water. All the rest had been booted out. The motto of this story is, "Don't play dirty polo against the Beavers when they are the paying the referee."

Although everyone was very excited about the Riverside game, everyone was also very tired. What can you say? The Beavers finished the day with a 2-2 record and third place out of five teams, achieving their most extravagant goals of mediocrity.

The Beavers opened conference play Wednesday with a disappoint­ ing loss to Occidental. What? You mean all those games they've played don't count for squat? That's right. The next four weeks are what make or break Beaver polo.

The Beavers start a tough road trip Saturday against Pomona-Pitzer. The current record is now 8-10, conference record 0-1.
Chinese Dance Group
Have nothing to do on Hallo­
ween night? Why not enjoy the
Youth Goodwill Mission from the
Auditorium! The performing arts
group, which consists of students
derected from various universities
in Taiwan, will present exciting
Chinese dances and songs. This
and $5.00 for kids 12 years and
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Through the Caltech Office
(9652). Remember, the performance time is 8:00 pm,
$120,000!
For all you aspiring investment
bankers out there, now’s your
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Investment Fund (SIF). The SIF is a portfolio of stocks,
and cash currently worth about
$120,000 which is managed by
Caltech undergraduates. Investment policy and decision are
completely under the control of the student board, which
meets weekly and decides on a wide range of current
investments and long-range policies. Those interested in
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Victor Vansue, 687-2367. Vice-Chairman
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Engineering, physics,
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are eligible to apply for the Socie­
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tion forms and information are
available in the Financial Aid Of­
fice, 515 S. Wilson. Deadline is
February 1, 1987.
Frost Pre-Meds
There will be an informal sand­
wich luncheon meeting at the
Health Center from 11:30 am to
1:00 pm on Monday, October 27,
with Dr. Coleman, pre-med advisor.
College Fiction Contest
Playboy magazine is con­
cerning entries to its annual
College Fiction Contest, open to
all registered college undergraduate
and graduate students. The writing
competition offers a cash prize of
$3,000 and publication of the win­
ning short story in the
October 1987 issue of Playboy magazine.
Entry deadline is January 1,
1987, and full rules are available
October issue of Playboy and may also be sent to
the Humanities office (there is some
registration fee for this contest).

Truman Scholarship
Sophomores interested in
in the American Society for Engineer­
Education at 8400 Dupont Circle
Washington, D.C. 20036.
Deadline is December 31, 1986.

Folk Volunteers
The Caltech Folk Music Societ­
young people seeking admis­
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And how do you get to be the referral champion? Just sign up as many friends as possible, and make sure your membership number is on their application. In order to be eligible for any prize you and your referrals must sign up before 12/31/86 and each referral must fly 3 segments on Continental or New York Air before 6/15/87. And you'll not only get credit for the enrollment, you'll also get 500 bonus miles.

So cut the coupon, and send it in now. Be sure to include your current full time student ID number. That way it'll only cost you $10 for a year ($15 after 12/31/86) and $40 for four years ($60 after 12/31/86). Your membership kit, including referral forms, will arrive in 3 to 4 weeks. If you have a credit card, you can call us at 1-800-255-4321 and enroll even faster.

Now more than ever it pays to stay in school.

SIGN UP YOUR FRIENDS AND EARN A PORSCHE.

But what's more, for the 10 students on every campus who enroll the most active student flyers from their college there are some great rewards: 1 free trip whenever Continental or New York Air flies in the mainland U.S., Mexico or Canada.

This Porsche 924 can be yours if you are the national referral champion.

But what's more, for the 10 students on every campus who enroll the most active student flyers from their college there are some great rewards: 1 free trip whenever Continental or New York Air flies in the mainland U.S., Mexico or Canada.

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Rent-a-Mole Today! Blacker House needs money. You need your room cleaned, your car washed, your Interhouse cash, your paper typed...and now it is your chance to have all these tasks done for you! Rent-a-Mole! Twenty to twenty-five brave volunteers from Blacker House will be auctioned off to the highest bidder today for work on Saturday. The auction will be held tonight (Oct 29) at the Blacker Courtyard starting promptly at seven. Berni Santaros will be the revered auctioner.

For your reference, the following people will participate today: Shubir Ali, Aruna scape, Irene Chen, Nancy Drehling, Glenn Eichaeber, Bob Fatland, Steve Goemez (nude aficcon mark), Bill Gustafson, John Hart, Tim HBOchberg, Andrew Hsu, Nathan Inada, Bap Jemoto-Nilsen, Scott McCauley, Mike McDonald, Marty O'Brien, Tracey Ollieck, Marg Pollack, Randal Poolock, and Brad Seinot.

The rules: Bidding starts at $10. No opening bids less than this will be accepted.

Arrangements for a day other than Saturday may be made by mutual agreement between yourself and the Mole (functions in a day will be approximately equal to an eight-hour work day (unless the person should agree to do more willingly). Time off will be given for a recreational evening.

Most of these people will be very good natured, regardless of whatever you ask them to do for you; however, a joke is a joke—don't push this free service too far, especially if your Rent-a-Mole is getting tired off or upset. This is supposed to be for everybody.

The DMOSH/auctioneer has final say in all transactions.

More Russian Tours
Blacker House is too anxious to wait for the spring break Russian tour, there is a winter tour being offered by the Society for Cultural Rela­tions/USA-USSR. The 30-day tour will include intensive practice and individual attention in the Russian language, hotel accommoda­tions, meals, sightseeing in Moscow and Leningrad, three cultural performances, a gala New Years party, a tour of a Russian factory and an excursion to Pushkin, costs $2295 from New York. The tour is from December 19 to January 17. For more information, call the Society for Cultural Relations/USA-USSR at (213) 937-4130.

Intel Presentation
Representatives from Intel Corporation will give a presentation Monday, 3 November, from 7:00 to 9:00 p.m. in the Salvatori Room, 365 S. Mudd. Intel is a leading developer and manufacturer of microelectronic components and systems. They will be reviewing their technology and philosophy along with some of their recent ap­pointments in Engineering. Readings from this presentation should be served full during these sessions. Contact Doug Dabney (578-7976) or Amy Carpenter (794-2612).

Bike Shop/Club
The Bike Shop provides bike tools and a workplace for the low, low price of $5.00 per year (plus $5.00 key deposit). On Saturday the 25th at 11 there will be a reorganization meeting to clean up the shop and to start or renew memberships. All were also decide how we spend our money.

If you're interested, the Bike Shop is in the Blacker-Dabney Gar­bage Court (off California Blvd, near the linen rooms). Members who don't renew their membership will not be authorized to use the shop. So there. Contact Andrew Willett, 356-9258, 5 Dalbey.

Road Hockey
The Caltech Canadian Club is starting its 1986-87 hockey season. We play on Saturday mornings at 9 a.m in the parking lot near the Robarts building. If you like to play, come on out! We have spare sticks. Cost is only $10 for all Canadians, welcome too. For more info, call Malcolm Butler, x4666.

Forest Volunteers
Through the Student Conservation Association's Park, Forest and Resource Assistant (PFFRA) Pro­gram, selected volunteers work inde­pendently or assist conservation professionals with such tasks as wildlife surveys, natural history in­terpretation, backyard and wilderness patrol, and biological or archaeological research. In return for their volunteer work, they develop skills and gain experience that often enhance their college education and gives them an edge in seeking paid employment with these resource management agencies. Past participants also have found their volunteer service to be per­sonal rewarding whether or not they are considering a career.

Those volunteers selected for the programs will receive a travel grant for round trip transportation to their program area and a week­ly stipend to offset food cost and basic living expenses. Free hous­ing is provided by the hosting agen­cy at or near the work site. For more information, send a postcard requesting an "application and listing of the winter/spring Park, Forest and Resource Assistant (PFFRA) Program, to: Student Conservation Association, PO Box 550C, P.O. Box 1170, Washington, D.C. 20001.

Chicano Scholars
The National Chicano Council for Higher Education is offering 20 Chicano and Chicana scholars the opportunity to pursue a doctoral and/or a master's degree in a science or engineering field. Each scholar will be paid an annual stipend of not less than $5,000. Applications to the National Chicano Council for Higher Education must be postmarked no later than January 15, 1987. For more information, contact Dr. Eloy Padilla, Chicano Scholarships, The National Chicano Council for Higher Education, 2000 L St. N.W., Washington, D.C. 20006. For more information, contact Dr. Eloy Padilla, Chicano Scholarships, The National Chicano Council for Higher Education, 2000 L St. N.W., Washington, D.C. 20006.