The Gizmos Ride Over the Hill

by Amanda Heaton

"Oh no," said Brad Solberg, "let's build a device which wins a series of contests. In each contest, the device which weighs the most and is dominated in the precision to out-perform an opponent device." The MIT72 design contest, led each year by Professor Eric Antonson, inspires students' creativity. Students are given a "bag of junk," from which they must construct a vehicle that races forward, goes over a hill, and stops.

"He picked a lot of materials—many of the things were useful," junior William Slate, the winner of the contest, said. "The things you made the most use of were the stock materials—the plexiglass, masonite, steel rods for axles... We got less of little garbage, too. He wanted to give us a lot of materials to encourage our imagination.

Despite the imaginative spark, however, most people didn't start working on their projects until the last minute. "It took all my time for the three weeks before the contest to get the thing built and working," junior Brad Solberg said. "But I guess that's okay, because I didn't have to do it just for the contest." Slate said that he was one of the first working vehicles. Many of the vehicles failed to get over the hill altogether.

"There probably would have been more successes if we'd had more time between the races," Solberg said.

The lack of competition made the contest much shorter than it might otherwise have been, keeping the winning devices from having to prove their reliability.

"Even though Katrina and Slate have won every time, because their competition hasn't been very stiff, they may be wearing their devices out," Antonio said, just before the final contest. "There's a reliability issue here. There's a limit to how many times you can run a device, and plexiglass and masonite and still expect it to work.'

Although the contest was the main focus of the course, lectures did concentrate on other material. "I learned a lot about just generic mechanical stuff, but I don't know that it directly related to the contest," Slate said. "Some of us, including me, actually made errors in constructing their vehicles because of assuming that the materials covered in the class would work with the project.

Despite the low success rate, students said they had fun and learned a lot. "You learn a lot about working in the machine shop, managing your time," Slate said. "It was designed to teach the design process, not just design.

"Most of the time it was fun," Solberg said. "When I had to do 60 hours to get it to do wasn't fun, but most of the time it was fun. He could have made it a lot worse by doing something that wasn't intrinsically fun."
AIDS Awareness –

Should You Take the Test?

by Bruce Kahl

Current availability of the Health Center for about forty dollars per test are the AIDS anti­
bodies (HIV or HTLV-III) assays. These are known as the ELISA and Western Blot tests and when done together provide highly reliable in­
dications of whether the individual being tested has been exposed to the HIV.

Should you have either or both of these tests? If you are thinking of having the testing done, a number of points bear considera­tion: your actual risk of exposure to the virus; your ability to tolerate the anxiety associated with being tested; proper interpretation of any test results; and appropriate follow­

Risk Groups

The American Red Cross and the U.S. Public Health Service have listed several groups which are at higher risk of exposure to the virus than the general population and therefore should avoid donating blood. These groups are:

1. Anyone with symptoms of AIDS or ARC; 2. Males who have had sex with more than one male since 1977; 3. Males whose male sex partner has had sex with more than one male since 1977; 4. Past or present abusers of intravenous drugs; 5. Hemophiliacs; 6. Sexual partners—both male and female—of persons in these groups.

If you are a member of any of the above groups and are concern­
ed that you have been exposed to the HIV you might well con­
sider having a test for the antibody. What the test tells you will be

Anxiety

Deciding to have the test for the HIV should not be a lightweight exercise for anyone. Especially if you think you might test positive you should consider the impact of knowing this information on your psychological state. If you tend to worry a lot in general, you might

be better off not knowing than find­
ing out. For many people this ap­
proach has worked, but up until recently it could une­
questionably have been called the wisest path, since no hopes for treatment were available. Now that gene research has shown pro­
mising as treatments, an individual in a high-risk category might want to know of his or her situation could be pursued in any case, if you are concerned about this issue you may request consultation with me, Nurse Practitioner Lori Malvaney, or Dr. Gregory Katalog in the Health Center. The test is done anonymously; no one else will know except for the person ordering the test for you. If you wish complete anonymity, you may be tested at the Gay and Lesbian Community Services Center of Los Angeles, located on Highland Avenue in Hollywood. There the testing is free and is done entirely by code number of your own choosing; no names are used at any point in the process. A disadvan­tage of that route is that you must wait two weeks to get test results; at Caltech the wait is about three days.

Significance

What does the test show? Very simply, it is a measure of antibody response to infection with the HIV. It is not a test for AIDS or ARC; it does not even indicate there is a live virus present in the individual being tested. The incidence of false positives—positive and negative—is very low, around 1-3%. False positives and much less for false negatives. The general clinical rule of thumb is that in a member of a high risk group a positive test is considered true.

Antibodies to the HIV take at least four weeks, and may take up to six months, to develop. Therefore, an individual who has been exposed to and is carrying the virus may still test negative for the antibody. If you are in a high risk group, therefore, you should not test after the first test given. Any subsequent test, however, will be positive for anyone who has been exposed to the HIV. If you have recently been exposed to the HIV, but test negative for the antibody, your blood will get into the bank pool and may well infect its recipient. Also, although blood banks are re­
quired by California law to protect the anonymity of test results, in prac­tice this may be more difficult since names are attached to blood samples.

Follow-Up

If a test result from the ELISA (Enzyme Linked ImmunoSorbent Assay) is positive, it should be double checked with the Western Blot test for the antibody. If that is also positive, the tested individual may assume he or she has been ex­posed to the virus. What this may mean in terms of active infection in that individual can only be deter­
ned by further testing of various sorts. With this situation an indi­
vidual would be best served by a physician who is well-acquainted with the HIV work-up protocols and who preferably has some ex­
perience treating people with the infection.

To the Editors:
The administration, I fear, is working on itself into a corner with its ren­
avation policy concerning stu­
dent art and graffiti. "No painting" is at least clear; "paint anything you want in these alleys, but nothing in those" might well be the start of a negotiation; "paint only on removable panels" could be a prac­tional solution, but "we know the dif­
ference between graffiti and art" sounds like an interpretative approach has been the path taken, and therefore should avoid donating blood; these are known as the ELISA and Western Blot tests and when done together provide highly reliable indica­tions of whether the individual being tested has been exposed to the HIV.

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On the 20th anniversary year of the television show Star Trek, it's only appropriate that its latest reinsertion of the series, "The Voyage Home." In this film, the crew of the late U.S.S. Enterprise have voted to return to Earth in their captured Klingon vessel and face the music. But en route, they receive a startling warning from Dr. McCoy's laboratory, "a mysterious probe is beaming an undecipherable message at the oceans, using an "unknown" form of energy so powerful that it will end life on the planet.

Mr. Spock's analysis of the message shows that humans aren't the intended recipients at all—it's meant for whales. Unfortunately, whales have been extinct for over two hundred years, since the early 21st Century. Over Dr. McCoy's strenuous objections, Admiral Kirk takes his crew back in time (using the method established in the TV episode "Tomorrow Is Yesterday") to find a pair of humpback whales and bring them back to the future. Compared with the three earlier films, "The Voyage Home" was written and directed with a lighter touch in mind. While the serious issue of whales and their threatened extinction, and the deadly (but fictional) alien menace, are handled in a straightforward manner, much of the dialogue and many of the crew's adventures in the "primitive, paranoid" 20th Century are designed for humorous effect. Chief Engineer Scott's encounter with an "antique" Macintosh computer is classic. While many former Enterprise crewmembers (Chapel, Rand, Sulu, Scotty) have passed brief appearances, most of the film is focused on the seven series regulars. The result is as relaxing as spending an evening with old friends. The main outside influence comes from Gillian Taylor (played by Catherine Hicks), a 20th Century marine biologist who grows suspicious of Kirk's interest (and Spock's mind-meld) with her beloved whales. Hicks brings a spunky enthusiasm to the role, showing that intelligence, beauty, and caring are not mutually exclusive.

As entertaining as this film is, there are some minor points to contest. Although some of Star Trek's science has always been in either the improbable or unproven categories, scientific accuracy was highly prized by its creator. Thus it was a little disappointing to see the alien probe's beam "lose all power." (But perhaps it absorbs momentum, decelerate instead of powering, decrease rate of maintaining their acquired velocity when the alien probe causes Spock's vessel to "lose all power." (But perhaps it absorbs momentum, too.)
**The Outside World**

**Student Protests in Paris Worst in 18 Years**

by Huy Cao

Students in France started three weeks ago to protest a bill that would give French universities freedom in choosing their students. The protest started with a "picnic-like atmosphere" but became much more violent earlier this week.

Of the over 200,000 students who have protested, about 50 were injured. One student died, resulting in increased protest and the resignation of Alain Devaquet, the minister of higher education who had written the bill.

Prime Minister Jacques Chirac responded by saying that he wouldn't consider withdrawing the legislation. But citing the risk of increased violence, he later withdrew the legislation anyway. The student movement has been the most severe test to Chirac's nine-month old Government.

As France's system of university education stands now, all high school students who wish to enter college must pass a difficult exam. Once they pass it, the students can attend any of the 70 "general-purpose" universities they choose. The system doesn't allow for the universities to be too independent, and the new bill was designed to reverse that. It would have allowed an academic hierarchy to form among the universities.

**The Contras In Honduras**

by Huy Cao

Nearly 1,000 Nicaraguan soldiers crossed into Honduras in pursuit of the rebels last weekend, setting off battles with Honduran forces. U.S. Army helicopters were used to ferry hundreds of Honduran troops to the border area. The Nicaraguan government denied the incursion. Some sources indicate that there have been 5 similar incidents by Nicaraguan forces in the recent 7 months.

On Monday, while fighting was quieting down, two Nicaraguan towns near the Honduran border were bombed by unidentified combat planes. According to the residents and the government, the bombs were targeted at an airstrip and some other military facilities and seven soldiers were killed. The Nicaraguan military charged the U.S. for directing the attack through the Honduran forces; Javier Carrion, the regional commander, told reporters, "As far as we know, the counter-revolution [the contras] doesn't have any combat planes." The U.S. asserted that the Honduran Air Force conducted the bombing independently. Honduras insisted that there had been no bombing.

Meanwhile, the contras have agreed to the Honduran demand that they move all their troops out of Honduras by spring. Many view this development as an indication of the erosion of the regional support for them. Recent disclosures also show that nearly all the purportedly private money that they were able to raise this year had come from the Iran arms sale or contributors who were urged by the Administration, including the King of Brunei. It is expected that the failure of the contras will create serious pressures on the Administration to adopt a more explicit policy, that is, to accept a peace treaty or to invade. "Tim N. Timpio"

**News In Brief:**

- The Defense and Foreign Ministers of Afghanistan's Government were replaced, two weeks after President Babrak Karmal also resigned. The moves were designed to give the Soviet-backed Government a less ideological image, according to commentators in Islamabad. - Huy Cao
- Defense Secretary Caspar Weinberger announced that European companies will take part in "Star Wars" research. The contracts could unite NATO behind the Strategic Defense Initiative, according to Weinberger.
- Huy Cao

**Death & Tongue Kick Ass**

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**Mega for the Pulitzer). Hey Benouche! Been cross-eyed lately? Too bad Richard Pryor's squirrel monkeys have not been taught the key of Beethoven. Maybe you could play Beethoven for them. Hey, you could really have the love of the squirrel monkey world!*

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**Flying Club**

From page 3, a Cessna 150 costs about $23 per hour, rather than the standard $30.00 per hour. There is no charge for the amount of time spent flying, however, this is subject to availability and limit to 2 tickets per person per day.

Jay says that it is the challenge of earning this certification, rather than the status, that he is interested in. Jay loves to fly, and would probably be willing to take up groups of students once in a while, sharing the costs of the flight.

Anyone who would like to get more information about flying at Caltech—if you just want to just go up for a ride or if you would like to actually learn how to fly—can call Steve Phillips at 577-6619 or talk to Jay Geizen, Lloyd RA.

**The Inside World**

**FRIDAY 12 DECEMBER 1986**

**The California Tech**

**FLIGHT NIGHT**

**FLIGHT NIGHT**

**FLIGHT NIGHT**

**FLIGHT NIGHT**

**FLIGHT NIGHT**

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**FLIGHT NIGHT**

...
More Earthquakes
Seafloor Explosions May Cause Quakes

From page 8
Research Associateships

The National Research Council announces the 1987 Behavioral, Cooperative, and Postdoctoral Research Associateships Programs for research in the sciences and engineering to be conducted in behalf of federal agencies or research institutions, whose laboratories are located throughout the U.S.

Approximately 450 new full-time associateships will be awarded on a competitive basis in 1987 for research in the sciences and engineering. Most of the programs are open to both U.S. and non-U.S. nationals, and to both recent Ph.D. degree recipients and senior investigators.

At least 180 associateships (at least one for each state) will be awarded. The number of associateships awarded will exceed the number of applications received.

Application deadline is January 16, 1987. For additional information and application forms, write to: Josephine de Karman Associateships Program, National Research Council, 2101 Constitution Ave., N.W., Washington, D.C. 20418.

Wise Internships

WISE, Washington Internships for Engineering Students, is an NIH-funded program for good third-year engineering students. Students will study the roles of engineers at government hearings, as staff members of legislative and regulatory bodies, as lobbyists, as members of corporate staffs in government and engineering consulting firms, and as representatives of professional engineering societies, standards setting organizations, or public interest groups.

In addition, each student will complete a project that will document a specific engineering policy issue, address topics of concern to the participating societies, and/or from the files of technical papers and case studies to be disseminated by the sponsoring societies. There is a stipend and a travel allowance.

For application forms, write to:

American Society for Engineering Education
Eleven Dupont Circle
Washington, D.C. 20006
Application Deadline, December 31, 1986.

Graphic Communication $55k

Students who plan to attend graduate school and study fields related to the Graphic Communication industry (mathematics, engineering, and computer science/technology) or graphic arts currently residing in the U.S. are encouraged to apply for the National Scholarship Trust Fund Fellowship Awards ranging from $1,250 to $3,000.

Applications are due January 10, 1987.

De Karman Fellowship

The Committee on Institutional Cooperation (CIC) Minorities Fellowship Program is offering 40 fellowships to members of under-represented minority groups seeking Ph.D. degrees in a wide variety of fields in the areas of Social Sciences, Humanities, Sciences, and Engineering. The student must be a U.S. citizen or permanent resident of the United States or have citizenship of a country with which the U.S. has an agreement for the award of the fellowship. The member universities are the midwestern, western, and southeastern areas of the U.S., and the Middle Atlantic states. Any undergraduate student may apply, regardless of major. The fellowships are non-renewable and for one academic year. The application deadline is January 10, 1987.

CIC Fellowships

The Committee on Institutional Cooperation (CIC) Minorities Fellowship Program is offering 40 fellowships to members of under-represented minority groups seeking Ph.D. degrees in a wide variety of fields in the areas of Social Sciences, Humanities, Sciences, and Engineering.

Each fellowship will be for one academic year and for the full academic year. The fellowships are non-renewable and for one academic year. The application deadline is January 10, 1987.

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Excellent Juniors?

For the second year in a row, Time magazine is initiating a nationwide search for 100 college juniors who excel in academics and extra-curricular activities. Called the TIME College Achievement Awards, the recognition is the nation's most outstanding college student award. Twenty winners will receive awards of $2,000 each and their achievements will be showcased in a special promotional section of the April 6, 1987 issue. Entry deadline is March 31, 1986.
Beyond War
Caltech students, faculty and staff are cordially invited to and around the "Spacebridge of the Americas" 1986 Beyond War Award Ceremony in Beckman Auditorium on Sunday, December 14, 1:30-4:00 pm.

The fourth annual Beyond War Award will be given to the Concorde Group of nations—Colombia, Mexico, Panama and Venezuela—in recognition of their non-violent resolution to Central American conflicts.

The ceremonies will originate in San Francisco, and will link these nations' capitals and four other U.S. cities together by television satellites. We can share this historic event here on the Caltech campus, one of hundreds of "downlink" locations throughout the Americas.

Tickets ($2.50 for students, $10.00 for others) are available at the Caltech Y Office in Winnett (x6163). For additional information, contact Hao Chang (792-2659).

Earthquakes
from page 6
Mount St. Helens involved about a cubic kilometer of material. That eruption was estimated to have the energy equivalent of about 500 Hiroshima-sized atomic bombs. At the other extreme, the earthquake at El Varillo, the group got permission from the police on the road to El Varillo.

The travelers were the victims of several searches by the military police on the road to El Varillo. Just outside the homes in El Varillo, the military told the North Americans to separate from the people who were returning home. When this request of the displaced, the North Americans refused to cooperate with the authorities, they were arrested.

At a military jail a U.S. embassy official told the North Americans that they had just interfered with a major military movement. He then arranged for them to be bussed to neighboring Guatemala for return to the United States.

Fr. de Cortina said that the displaced are now living in the El Varillo area as they had planned.

Star Trek IV
from page 3

An imaginative time-travel sequence by ILM Computer Graphics is puzzling and rather too artsy-craftsy. The extended bathtub scene at the end could easily be cut down, leaving too much time for a more leisurely denouement.

Uhura seems to end up with little to do in this film, and even when she and Chekov go in search of "nerielic vessels," the Russian gets the meatiest part by far. After being left behind on the final voyage of the Enterprise, some balancing would seem to be in order for the next film.

And there will be one, with William Shatner as director. Initial box office figures indicate that The Voyage Home will be one of the season's hit movies. Now that the need to pick up the previous storyline appears to be over, the next Star Trek movies may well be individual adventures, like the James Bond films. And perhaps they'll finally drop the Roman numerals, too (no, there is no truth to the rumor that human-looking, mouse-eating saurians will be the foe in Star Trek V).

If you're a Star Trek fan, you liked this film (it's been out for 16 days; you've already seen it, right?)? The TV show or the earlier films, the humor and warmth in this film will make it an enjoyable holiday excursion.

Life College Cagers Win A Heartbreaker
by Lloyd Free
Caltech's main problem in this game victory over the first-time-in-Winnett area as they had planned. Ten minutes of this game looked like a replay of the last blowout, as Life surged to a 17-8 lead. However, under the leadership of Coach Mike Poinzer the Beavers battled back to within striking distance and ended the half down by only three points, 30-27.

Freshman Jason Karceski led all Caltech scorers at half with seven points. Ed Zanelli also played a key role in Caltech's first-half comeback, contributing five points and leading the team in assists and steals.

Caltech's main problem in this half was the lack of effective rebounding, especially on the offensive end. Senior Bill Gustafson was the only person able to hit a basket effectively in the opening minutes.

In the second half things changed dramatically. First of all, Caltech's tough zone defense shut down Life's high scoring Updike before the next game. Despite outstanding rebounding by their opponents, Caltech was once again out-scored, 6-2. Jim Bower scored both Tech goals, while Mike Freedman and Jim Toto both getting credit for two assists.

In their match two days ago, Caltech was out-scored, 6-2. Jim Bower scored both goals with Bower, Freeman, and Jim Hutchinson getting assists for two assists.

VCLA and VCI Top Caltech Hockey
field. Eastman played on varsity football and track teams coached by Fox of 1931, was the featured speaker at the dedication of the new track and

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VCLA and VCI Top Caltech Hockey

their point guard, Steve Abrahams, sent in a picture-perfect out of bounds left with less than one second left, Caltech tried a last-second desperation alley-oop to Buck, but the attempt ended in failure.

Thus Caltech lost their sixth in a row, but the players still managed to hang their heads high. They had battled to the final second against an opponent that had defeated them in a previous game.

It is certain that this improving young Caltech team will register their share of wins in the weeks to come.

El Salvador
from page 1
accompanied the displaced on their journey.

Prior to setting out on the trip to El Varillo, the group got permission to travel from the ranking military officer in the region, and they sent a letter to Salvadoran president Jose Napoleon Duarte informing him of their intent to travel back to their homes.

The travelers were the victims of several searches by the military police on the road to El Varillo. Just outside the homes in El Varillo, the military told the North Americans to separate from the people who were returning home. When this request of the displaced, the North Americans refused to cooperate with the authorities, they were arrested.

At a military jail a U.S. embassy official told the North Americans that they had just interfered with a major military movement. He then arranged for them to be bussed to neighboring Guatemala for return to the United States.

Fr. de Cortina said that the displaced are now living in the El Varillo area as they had planned.

by Lloyd Free
Yes, Caltech basketball is under-way once again. After an impressive last game victory over the Caltech alumni, this year's Beavers have experienced a tough six-game stretch in which they've come up on the losing end.

Wednesday night they played an experienced, good-shooting Life College hall club that had beaten Caltech 109-65 earlier this season. The first ten minutes of this game looked like a replay of the last blowout, as Life surged to a 17-8 lead. However, under the leadership of Coach Mike Poinzer the Beavers battled back to within striking distance and ended the half down by only three points, 30-27.

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The Caltech Ski Team will be going to seven races this season.

Room and Board Changes
All residents desiring to change living in the student houses, off-campus houses, 150 S. Chester, Main House, and Decker Hall, must be billed for second term room and board charges on their December student account statement. In addition to a full term room charge of $597 for on-campus houses and off-campus houses, or $121 for Decker Hall, each resident in the latter two buildings will be billed a board plan similar to the one they chose for the first term, or for Apri 2-25 in Decker Hall. This year's term UCN conference will be held April 2-25, at 150 South Chester. Any interested in attending this year’s conference is encouraged to come to tonight's meeting. If you can't come to the meeting, talk to Frk Armstrong, Room 238.

Caltech SF Library
The Caltech Science Fiction/Fantasy Library will be open for business meeting next term. Bring all those books you left at home when you return from break, so you can read and enjoy other stories from science fiction and fantasy readers on campus. Depending on member interest, we could forward copies of calendar events, or start a science fiction book club, with convention trips, speakers, you name it. Watch for announcements in Clubroom 1, Winnett.

No Leave Without It
Don’t Leave Home Without It
If you are interested in being an International Student ID Card, you can buy a card for $3.00 in the Housing Office, and save $2.50.

Leave It To Us
Call John or Nancy

Paperback Science
SPECIAL RATES
All paperback science books:
$2.50
CALTECH BOOKSTORE
1170 E. Del Mar or Marks House
M-Thurs 9-6 Fri 9-5
Saturday 10-4

Merry Christmas
Happy Hanukkah
Happy Solstice

PASADENA SCIENTIFIC & TECHNICAL BOOKS
We Stock Scholarly & Professional Books in:
ENGINEERING • HANDBOARDS • SCIENCES • MATH
AEROSPACE • COMPUTER • BUSINESS • CIVIC
NURSING • PSYCHOLOGY • ARCHITECTURE • DESIGN

According to Bunny...
...the Student Senate Maintenance
Committees which meet today, December 12 at 6 p.m., will be meeting in 104 Wasow, OR.

S.T.R.V.E. Meeting
Caltech Society To Reduce Interracial Violence on Earth (STRIVE) is now meeting regularly on Thursday at 3:30 pm in 101 Winnett. Everyone is always welcome to attend, some of our current projects are an alternative job fair and arrang­ ing for various speakers to come to campus. STOP by if you are interested in helping with this program, or just to share your thoughts about world affairs.

A.S.I.S.C. Christmas Bash
The Association of Students from the In­ dian Sub-Continent would like to arrange a Christmas party for its members on Saturday, December 26, 1986 at 4 p.m. There will be food and music. I would like feedback from the members about whether they will be able to attend. Please RSVP to Arpan that appropriate arrangements can be made. Please leave message with Dev Patel in the Housing Office. Information Ran Thysaparan, 411-49, 9632.

Vacation Gaming
The Caltech Gamers will continue to meet during Christmas break, every Friday night from 7-10 pm to whenever. Tonight, stop by if you want to arrange carpools to the big science fiction and gaming conven­ tion down by LAX over the New Years weekend. Also stop by if you want to meet people, various SF and fantasy gamers, and maybe plan other events at other times of the week.

Attention Writers!
The Literature Faculty is proud to an­ nounce the 14th Annual McKimney Competi­ tion. The Mary A. McKimney Prize is awarded each year for excellence in writing. Full-time students officially registered at Caltech are eligible. Students written will be notified of the winners will appear in the commence­ ment program. This year’s prize will be given in three categories: poetry, prose fiction, and non-fiction essays. All submissions must be typewritten and double­ spaced. In the poetry category, entrants may submit up to three poems. Submissions of eligible to apply for the 1987-88 Society of Women majoring in engineering are

PARKING IN REAR

No RP’s On Heidi’s Couch
Any attempt by the immature frosh and sophomores to change Heidi’s Couch as an RP will result in severe penalties by Heidi Anderson.

Summer Biomed Program
The Jackson Laboratory, in Bar Harbor, Maine, is sponsoring a 9-week program in various area related to biomedical research, including biochemistry, developmental genetics, animal genetics, immunology, molecular genetics, and physiology. Each student conducts an original research project within the on-going program of a member of the research staff. The focus of the program is training in research techniques, biological genetics and development using multi-disciplinary experimental approaches and genetically defined laboratory animals, primarily mice.

The cost is $1,500.00 for the nine weeks, including room and board, with scholarships available for participants who require finan­ cial aid. Application due date is March 2, 1987. Program runs from June 1 to August 11. For further information call (707) 286-1753, or write: The Jackson Laboratory, Training & Education Office, Bar Harbor, Maine 04609.

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