**DINNER BRINGS IN THE SURF**

*BY ERIK DILL*

On Thursday, February 11th, the Student-Faculty Programs office hosted a dinner in the Athenaeum kicking off the 1999 season for the Summer Undergraduate Research Fund and relate programs. Members of the SURF Board, previous participating students and faculty, donors and supporters were in attendance to celebrate the occasion.

Since 1985, when Dr. Ernest Swift was so honored, the yearly SURF has been dedicated to an individual exemplifying commitment to undergraduate research. This year's program was dedicated to Dr. Ward Whaling, emeritus professor of physics. Dr. Whaling has been involved with undergraduate research for the past fifty years. Papers published by his group list seventeen undergraduate co-authors, including eight SURF students. Furthermore, he has remained active in SURF as a stalwart advocate for undergraduates in research.

Dr. Whaling was presented with a book depicting both the mathematics and visual beauty of waves. In a show of homage, Dr. Harry Gray recited one of his infinitesimal quatrains. While at Caltech, Whaling taught tennis and his courts were being displaced by a physics building, Dr. Gray allegedly remarked that "A good set of tennis is worth at least six physicists." In his welcoming speech, he changed it to "A good set of tennis is worth at least six chemists," in honor of the SURF dedication to Dr. Whaling.

Other speakers for the evening included the winner of the 1998 Parpaul Speaking Competition, Ming Chen. Chen talked about the added dimension which SURF brings to undergraduate education. The evening's keynote speaker was Cornelius J. Pings, a Caltech alumnus from 1951. Pings related his own research experience as an undergraduate, studying rare earth elements with Ernest Swift. "Ladies and gentlemen, the SURF is the center." He concluded, ending the evening and beginning a new year of summer research. SURF proposals are due Monday, March 1st in the SURF office.

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**Business invades for Career Day**

*BY DAVID GUSKIN*

Ever wish you could work on a laser that beams a live digital video signal from one building to another? Or develop the newer, stronger toys for sale on the Web? How about that perfect job where they pay you for hard work, as opposed to the other way around?

Your prayers may have been answered. The annual Caltech Career Day, held Thursday the 18th on Bechtel Mall from 11am to 3pm, hosted a wide range of future Tech employer, from computer software development firms like Adobe Systems (inc.) to biomedical institutions such as the Salk Institute. Caltech students received a first-hand look at the nature of employed life after Tech.

"There's always new technology popping up because there's a need for it," commented Bob Drebin, a representative of the high-tech startup ArtX and Caltech alum of '91. Such advances in technology provide exciting opportunities for starving Tech students to claw their way out of the debt created from tuition costs. Companies like ArtX combine the newest technologies with creative applications, such as work on the graphics chip for the N64 entertainment system.

Career Day is not all fun and games, however. Students seeking jobs carried many a resume with them for distribution amongst the hordes of wide-eyed recruiters. Although the primary purpose of these resumes was to solicit offers from the attending employers, hopeful students entered to win a variety of door prizes offered by Career Day companies. Forgetful students without resumes were out of luck. As Freshman Austin cried, "So many companies, so many opportunities and no resume!"

However, there were plenty of opportunities to mingle and meet throughout the fair, even without resumes. Many Caltech alumni manned the booths of prospective employers, and many of the booths hosted complimentary snacks. The ETOYS booth offered a drawing to win a Furby, and the Black Ops Entertainment area had a Sony Playstation available for boxing matches. The denizens of the tents appeared to be enjoying the occasion as much as their student visitors, as Caltech alum Steve Ginsburg remarked, "It's great to be back here at Caltech, seeing all my friends..."

The event, hosted by the Career Development Center (CDC), attracted many students, though some believed that last year's Career Day outperformed this year's in terms of sheer coolness. "There's not as much neat stuff as last year," said junior Eric Hale. According to CDC representative Jonie Watanabe, this year had a large company turnout, with nearly 85 employers in attendance.

Remember - a job will take the "starring" out of starving physicist.

For further information regarding Career Day, contact Jonie Watanabe or Diane Pounds at the CDC at x6361.

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**THE USUAL STUFF**

**The Ticket Stub**

*By Tech Staff*

If the drudgery of Caltech life seems overwhelming, perhaps a little poetry will infuse it with a sense of spirit.

This sentiment forms the crux of Nobel Laureate Seamus Heaney's message that poetry performs the greatest of civilization's purposes - a constant reminder of our humanity. As an experienced writer and Poet Laureate to give reading

luncheon, Heaney will be giving a James Michelin lecture, "Opened Ground: A Reading with Commentary" in the Beckman Auditorium on Thursday, February 25th at 8pm.

Heaney is well-respected as both a writer and academician. He is a former chair of Oxford's department of poetry, and the current Ralph Waldo Emerson Poet in Residence at Harvard.

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LETTERS TO THE EDITOR

Honor Code raises high hopes for future

While visiting my freshman daughter at Caltech last fall, I was thoroughly impressed with the freshman students and their strict adherence to the Caltech Honor Code. As a person who values honesty and integrity, I do not believe the code is unrealistic, nor do I worry that following ethical behavior will make your students "guillotine prey in a dishonest world." On the contrary, I see Caltech students as examples for the rest of the world to emulate. That these students later constitute a substantial portion of the scientific community gives me hope for the future of humanity. Please continue to encourage those high ideals.

With admiration,
Janice Calkins

Heartfelt thanks in loving memory of Alex

We wish to thank the Caltech Community of students, faculty and staff for the outpouring of support and sympathy following the tragic loss of our beloved son and brother.

DAVID ALEXANDER ROSEFELDE
Nov 14 1978 - Sept 20 1998

A special gratitude goes out to those who could travel to Chapel Hill to pay respect to the family and honor Alex’s memory.

The Memorial Service at Caltech, Nov. 15th, was a great solace to us. We truly appreciated the opportunity to get to know his world. We could feel your own empathy and sense of loss.

Please keep in touch with us.

Professor Steven, Susan & Justine Rosefiele
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THE OUTSIDE WORLD

by Cheryl Forest

Belgrade, Yugoslavia:
Western embassies and aid agencies are withdrawing personnel from the country before the Saturday peace deal deadline. This peace deal is between Serbian authorities and independence-seeking ethnic Albanians in Kosovo, who have been fighting on and off since February, 1998. NATO Secretary-General Javier Solana was quoted Thursday as saying that NATO airstrikes against Serbian targets could start "very soon" if the talks failed.

Zamboanga, Philippines:
Brig. Gen. Victor Obillo, and his logistics chief, Capt. Eduardo Montalvo, were kidnapped Wednesday morning by Communist rebels. Obillo holds the highest rank of any military officer captured by the rebels during the past thirty years of insurgency. Peace talks have been stalled for a while, and clashes between government troops and the rebels are not uncommon.

Rome, Italy:
Palestinian President Yasser Arafat announced this past Thursday that Jerusalem could house the capitals of two states. "Just as both the capital of the Italian state and that of the Vatican are in Rome, so Jerusalem can contain two capitals, with no barrier or wall," Arafat told reporters while in Italy. It is doubtful that Israelis will agree with this, as they regard Jerusalem as their "eternal and indivisible capital."

Washington, D.C.:
The Senate acquitted President Clinton last Friday. The impeachment trial is over.

THE CALIFORNIA TECH

The Outside World

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Richard the Third

by Jeff Sullivan

Shakespeare’s Richard III, directed by Shirley Marnas and put on by Theatre Arts at the California Institute of Technology, is now in the middle of its three week run at Ramo Auditorium. The show has been shortened from its original four hours for the benefit of the audience (and the actors) but nothing has been lost because of it. Richard III is performed in the original language and in period costume; no modern translations here.

The cast does a wonderful job with their limited numbers. It is hard to get the audience to believe in a battle involving thousands of soldiers with only a dozen actors, but they pulled it off.

James Gleeson does an excellent performance as Richard, Duke of Gloucester. To many of the characters, Richard seems a shady fellow - not to be trusted, but not completely evil. However, James leaves no doubt as to who the villain of the play really is.

I must also give credit to all the actors that play two, three, or even more characters, sometimes in one scene. Pulling off all the rapid costume changes, exists from one side of the stage, and entrances on the other, and the mental changes from character to character is no easy feat. One scene that deserves special attention is the battle between Richard and Richmond. The fight coordinator Joe Cook took a very supernatural take on the fight scene. The combination of the special effects and rigorous training of the actors results in a very exciting battle that will raise the hairs on the back of your neck.

I definitely recommend Richard III to everyone. It doesn’t matter if you’ve seen it a hundred times or never before, every production has a different take, and every performance of every production is slightly different. And when you go, bring your friends, and your friends’ friends. The actors enjoy playing before a full house much more than an empty one, and you’ll get a better show out of it to boot.

As Steve Collins remarks, “You can’t buy Shakespeare cheaper by the hour.”

Seamus Heaney

Continued from Page 1

University. Heaney has been an avid writer and advocate of poetry since the early 70s, up until and through his acceptance of the Nobel Prize in literature in 1995.

Heaney credits poetry for his ascent to international recognition, “...for making possible a fluid and restorative relationship between the mind’s centre and its circumference.” The reason he uses poetry in his life is simple - “I rhyme to see myself, to set the darkness echoing.”
Tennis season starts

BY GERALD PALMIRO

After nearly a month of practice, the men’s tennis team has officially begun its 98-99 season—with mixed results.

On February 6, Claremont-Mudd-Scripps, ranked #15 nationally in Division III tennis, came to Caltech and handed the Beavers a 7-0 loss. The score was a reflection of the competitiveness of the match, however: Caltech teams held their own against the more experienced CMS squad. Notably, the #3 doubles team of Kanwar Kahlon and Gerald Palmiro had two match points in their battle with CMS’s #3, but were unable to finish the job, losing 9-8.

The following week, the men traveled to Cal Lutheran to play the team they beat at the SCIAC Championships last year, but lost 4-3 in a very even match. The day was highlighted by the stellar singles play of #3 Jason Wong, who powered his way to a 6-0, 6-2 win, and #4 Chris Leapley, who used an aggressive attack to win 6-1, 6-4.

The final match score was 7-0 Tech.

The Beavers’ next conference match will be against Redlands, a perennial national powerhouse ranked #4 in the nation this year. They will also play Occidental today and PCC Monday in two nonconference matches.

However, key losses in doubles and a close loss in singles prevented Tech from winning its first conference match.

The next day, the team played Whittier in a nonconference match. In the beginning, the team played sluggishly, perhaps because of its appointment at losing the previous day. The doubles teams clicked their way through their matches, giving Tech the early match lead. Then the singles players came out and swept the remaining matches, led by top player Matt Musick, who displayed tremendous intensity and heart in a 6-4, 6-3 win. Said Coach Wade Gilliam, “Matt played each stroke like it was the most important point in the match ... always moving his feet and getting back into position.”

The final match score was 7-0 Tech.

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Friday, February 26, 1999

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INFORMATION SESSION - Wednesday, February 28th
4:00pm - 5:00pm
Room 13, Student Activities Center
ON-CAMPUS RECRUITING - Thursday, February 25th
Room 34, Student Activities Center

Contact: Courtney Sarno: csarno@scient.com
FEATURES

February 19, 1999

My Favorite Martian
Rated G for nothing but a horny space suit

* + 1/2

The classic TV mini-series, brought to the big screen by Disney, stars Christopher Lloyd as Martin the Martian (though I prefer Marvin) and Jeff Daniels as the other guy who takes him under his wing. Bad movies are usually endowed with the characters whose names you forget, and MFM is no different. I have to say that I was entertained, but in that immature, childish way which prevents MFM from being appealing to all ages. All the little kids in the theater seemed amused, and possibly their parents too, if they'd been brainwashed by a plethora of kiddy movies. But My Favorite Martian is definitely no Bag's Life or Mulan.

To start out, Rover is on the surface of Mars exploring rocks and life and behold, the scientists at NASA are thrilled to have studied terra firma red-planets. Just feet beyond where Rover dies, though, is a valley bustling with ET life. The guy played by Jeff Daniels is a loser (flash to the guy who gets his coat stack in the car door, abandons the jacket and cue laughter from little kids) who writes the lines that news reporters recite in front of the TV camera on-location. He works with Elizabeth Hurley but lets his personal feelings intervene at one point which embarrasses her; gets him fired, Yale-diy-a-ya-ya-ya...tragedy. On the way back from covering a story, he bups on an alien crash landing, though he doesn't know by the presence of a toy space ship where there should have been some grounded space craft. The government, cue X-files fans, nevertheless is onto him.

Martin the Martian, allied with his space suit, Smit, has extraordinary powers like shrinkage and disembarrassment. They are alive and well in the miniature space pod, but the ship itself is in disfunction, and what's more, will blow up soon. Consequently, the 2 become 1 Martian has to use Daniels for a crash course in Humanity 101, escaping detection from humans while seeking parts to repair their combustible vehicle. Conflicts: 1) Harley, speaking in a British accent which sounds so fake even though she is English, is the self-promoting IT girl who threatens to reveal the aliens' identities; 2) Martin and Smit are eventually captured by the men in black.

FINAL VERDICT: entertaining but bad.

Simply Irresistible
Rated PG-13 for implied activity under cover of fog

* + 1/2 for the mechanical crustacean

Sarah Michelle Gellar's acting ability is compromised for I don't know what. What could have possibly motivated her to hang up the wooden stakes and acclaim of Buffy-dom for wearing the same eyesore-fashion face-pas tank tops, and having a shiny face which screams worst makeup? Premise of the film: food is the road to people's hearts, which isn't so bad when the culinary delights are courtesy of a magical little crab. But the anthropod is the only charming element of the movie.

Amanda (Sarah Michelle Gellar) is a small, care-ambiance restaurant owner with no luck with food. She is rescued from bankruptcy by an angel in the guise of a cab driver who gives her the omnipotent little crab, and magically her cooking reaches four star status. Ummm, too bad the movie doesn't.

Along comes Tom (Sean Patrick Flanery), soon to open the first posh restaurant in a department store boutique (Henri Bendel), and a century, unjustified relationship commences when he tries her crab napoleon. The movie actually jokes fun (oh, or was it not trying) at the absurdity which underlies the affair when he claims that she's a witch, using magical charms to supernaturally woo him and keep him fixed on the ceiling. Why, then, does he end up with her? And, mentioning the ending isn't spoiling anything because it is obvious to predict the happy couple's happy ending the minute they lay eyes on each other. Nothing dramatic or serious happens to portend an ending like Up Close and Personal.

Amanda is employed at the restaurant despite the professional hostility that separates her and Tom because she has the ability to inflect her emotions on anyone who tastes her food. She's chosen to host the opening of the chic restaurant when the grumpy French chef storms away by the managers who faux over her aphrodisiac-induced pastries, having used it to make a not-so-pure rendezvous in the elevator. Peaks spew forth romantic clouds of vapor straight out of her own imagination; one recipe she serves leaves customers speechless, and another reduces them to tears. But gastroenterological attributes aside, where's the acting? It even seems like the writers put a bit too much emphasis on deciding what foods go in front of the camera. The actual dialogue becomes superfluous. The movie may as well have been a display of four-star-staurant polyhythlene models, because the dialogue is so stilted that it doesn't move the movie in any direction. Final Verdict: Simply Irresistible could have substituted for a silent, schlepstick Charlie Chaplin flick if Ms. Buffy had worn a mustache.

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The California Tech

THE TICKET STUB

"The Bad and The Ugly"

by Justin Ho
Dean's Corner

Copy right or copy wrong?

by Jean-Paul Revel

While the Honor Code speaks about the rules governing behavior towards each other at Caltech, it does not say much about interactions with the community at large. We nevertheless need to act responsibly towards everyone, whatever their relation to Caltech. While this seems obvious, there are gray areas, where "acting responsibly" can be argued and thus lead to some confusion.

That may have been the case in the recent instances brought to my attention when there seemed to be a conflict in the actions of some Caltechers and the legal and moral expectations of society. None of us would knowingly steal someone else's work. But theft does not have to be simplistic and blatant to be theft. There are many cases where "ownership" may not be absolutely obvious.

One of the ways in which Society has tried to insure that each of us can enjoy the fruits of our own labor, has been to establish a copyright system, a set of exclusive legal rights that authors generally have over their works for a period of years (see http://fairuse.stanford.edu, for example). Eventually the works enter the public domain i.e. can be used without restriction by one and all. How long they are protected depends on when they were created. Beginning in 1978, the copyright protection extends for 50 years after the death of the author. This is so whether or not the material bears a copyright notice (©), and whether or not they are registered with the (US) Copyright Office. Of course, things get difficult if the works are not registered, since the date of their creation may not be obvious. Still, works by Beethoven are likely in the public domain, but Dilbert cartoons or Chaka Kahn songs are not. To use copyrighted material one needs to apply for permission to copy, giving the copyright holder a chance to earn a living. This is true even for partial copies or derivative works, and for distributing and performing them.

It is obvious that problems can arise from too strict enforcement of the copyrights. To allow access to material in special circumstances, for example for purposes of criticism, comment, news reporting, teaching, scholarship or research, the copyright laws include fair use provisions which allow for limited copying or distribution of published works without the author's permission. The guidelines for determining what is fair use are vague as they should be, since one cannot predict all circumstances. Thus copies used for teaching at a nonprofit institution, distributed by the teacher to his students without charge would likely be considered "fair use". However, any use that would diminish the potential market for, or the value of the copyrighted work may be an infringement of the copyright. One specially touchy issue has been raised by the distribution of music and other media on the Internet. Part of the problem arises because the tradition in most of the Net, up to now, has been that it is free and there are many sites that do not require one to pay to use their services. It is possible to visit a Museum, and view digital reproductions of their holdings for free. However reproduction of such works are prohibited without permission from the copyright holder. I recently e-sisted the site of the Bodleian Library in Oxford, England. Before being allowed to view material in their "Toyota City Imaging Project" I had to click my agreement with the copyright notice which was on the home page. Lo and behold one of the items I was then allowed to see was the pamphlet used at the memorial service of one CS Rolls, who died in 1910 at age 23, in an airplane accident. He was the dealer who had the exclusive rights to cars produced by engineer Sir Henry Royce (1863-1933), he of the motto "Quid vis recte factum quamvis humile praeclarum." Neat, huh?

The problem of having copyrighted material on the web has been exacerbated recently in the case of audio material. This was precipitated by the introduction of MP3 compression, which allows compact packaging and quick downloads of CD quality audio material. There has been a cottage industry of individuals who have placed songs on their sites, which are then accessed by thousands. One entrepreneur, a member of the group Phiremp3 suggested to a LA Times reporter (PJ Haffsatter, 2/8/99) that in the span of a few days he may have 35,000 (that's right, thirty five thousand) fans copying music (most of it copyrighted by others) from his files. The same article reports that the second most frequent search word on the Net is MP3 (the most used search word is "sex"). No wonder that the music industry is concerned. There are those who feel that the Music industry will find a way to earn its billions, even while being bled by MP3 users. Perhaps. But the copyright law is being broken, and with it the possibility arises that other intellectual property will suffer the same fate.

It does seem appropriate to condone breaking of the law because someone else's, not our property is being taken. Besides, an act of Congress, the "No Electronic Theft" law of 1997 calls for fines as high as $250,000 and 3 years in prison for electronic piracy. Let's apply our Honor Code here, as in all other aspects of our lives. I urge you to avoid situations where copyrighted material can be pirated. Contact my office if you have questions or problems. I'll put you in touch with expert help.

A hienor,

Peter S. Rolls was a car dealer and Sir Royce an engineer. His motto translated means: Whatever is done right, however humble, is noble.

START-UP OPPORTUNITIES

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The Jobs
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Software: Windows based hardware control and user interface

The Interview
On-campus interview date: February 25. (No need to dress up)

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PS: Rolls was a car dealer and Sir Royce an engineer. His motto translated means: Whatever is done right, however humble, is noble.

February 19, 1999 7
**Announcements**

Mark your calendars! Prefrosh Weekend 1999 is scheduled for Thursday, April 15th, through Sunday, April 18th. If you are interested in helping out with Prefrosh Weekend, please contact Dina Figueroa, Assistant Director of Admissions, at dinad@admissions.caltech.edu.

It's time to SURF! Even though summer seems far off, now is the time to start thinking about SURFing this summer. If you're thinking about applying for a SURF; you will want to begin now to look for a mentor and ask for letters of recommendation. The SURF application deadline is Monday, March 1. Check out the SURF web site at www.its.caltech.edu/~surf to get information on the application process. We will be sending out the importance of specific faculty members and JPL technical staff resources to students interested in applying. For more information, contact the Student-Faculty Programs office at x289 or zip/ins.

Looking for a safe and supportive place to discuss issues such as coming out, bisexuality, gender, family, coping with a homophobic culture, and being GLB at Caltech? The Gay/Lesbian/Bisexual Discussion Group meets every Monday at 7:30 P.M. in the Technical Student Center. This non-technical meeting and does not imply anything about a person's sexual orientation -- only that s/he will be present. The group usually discusses a particular relevant topic and then opens up the floor for general discussion. Call x3831 for more information.

Free anonymous HIV testing is available every Monday evening using ORA oral testing at the AIDS Service Center, 1030 S Arroyo Parkway, Pasadena, CA 91103, at 8:00 P.M. to 11:00 P.M. Call 448-8342 for more information. Walk-ins are welcome. Call x3831 for more information.

**Dr. Dwee Pinksy** will give a talk in the cafeteria during lunch (12 P.M.). In case you haven't heard, *Loveline* on the radio or seen it on MTV. Dr. Dwee Pinksy is a Board Certified MD, specializing in internal medicine and addiction medicine. He will be discussing the biology of drugs and alcohol, and will answer questions on related topics. The event is open to all students and is located in the University Center Student Center. Lunch will be provided. You can also read more about general discussion on alcohol and drug use in SAC 38, or Marie Fox, or the Health Center.

**Earthquake Preparedness Training** will be offered by the Pasadena Fire Department from 9:00 a.m. to 12:00 p.m. in Pacer Lecture Hall on Tuesday, March 23. Learn what to do before, during, and after an earthquake. The session is limited to the first 100 people who sign up. For reservations call 448-3629.

**The next film to screen in the German Film Series for Winter 99 term is *Hitler Jorge Salomons* (Hitler Jorge Salomons) 1989. It will be shown in Baxter Lecture Hall on Wednesday, February 24, at 7:30 P.M. There will be an introduction and discussion after the screening. Features virtual violin playing at her West Coast premiere. Next, delight at Shostakovich's most humorous symphony as Lindo's "The Enchanted Lake." Student tickets are available for $7.50 with ID.

**Caltech SEDS** will be holding its fourth telescope construction meeting beginning Sunday, February 28 at 2:00 p.m. in the SEDS lab (0011 I. Thomas). No prior experience is necessary. For detailed construction plans follow the Construction Instructions link from www.occ. caltech.edu/seeds. For other information contact Loren Hoffman at x831 or Mike Torres at lorom@seeds.caltech.edu.

**Join the Caltech Gee Club** at 8:00 p.m. on February 19-20 in Dabney Lounge for Songs of the Spirit, including music by Caoul, Larsen, 20 Something or 626-339-4663 orchestra music from the film Paradise Road.

**Join the Caltech-Occidental Concert Band** for a free concert at 8:00 p.m. on Saturday, February 20 in Thorne Hall at Occidental College. This fine concert will feature the music of John Philip Sousa, Leonard Bernstein, and many other famous composers. The location may not be so convenient as, say, Beckman Auditorium, but you and your band will be able to hear it all and the cellar acoustics make the trip well worth the effort.

**Mints**

**The Beckman Internship will be available for the summer of 1999. The internship, supported by friends of Arnold Beckman, will pay a stipend of $4,000. It allows a selected intern to spend the summer working in the office of a politician and to see the inside process of government. The intern is expected to work as a campaign assistant in the office of the intern for the full term of the internship. It is open to any undergraduate who intends to be a Caltech student in 1999.

**Green Hills Software** annually awards merit-based scholarships and fellowships to Caltech undergraduates who have demonstrated ability and specific aptitude in computer science. The award for the junior year consists of a $2,500 scholarship. The award for the senior year may consist of either a $2,500 or $5,000 scholarship. In addition, one or two applicants will be invited to become Green Hills Fellows. The applicants will be advised that the Scholarship Committee will make them for their personal addresses. For more information, visit the NIH website at http://grants.nih.gov. Applications for the Beckman Internship and Green Hills Scholarship are due by March 19, 1999.

**Fellowships and Scholarships**

The National Institutes of Health (NIH) Undergraduate Student Internship Program offers scholarship awards to undergraduate students not disadvantaged backgrounds that are committed to careers in biomedical research. In return, recipients are obligated to serve as paid employees in NIH research laboratories during the summer and after graduation. The scholarships pay for tuition and research and are not expected to pay more than $2,000 per academic year. Applicants must be full-time for the 1999-2000 academic year, have a 3.5 GPA or higher and be ranked within the top 5% of their class, and classified as having exceptional financial need. For more information, visit the NIH website at http://grants.nih.gov. Applications for the Beckman Internship and Green Hills Scholarship are due by March 19, 1999.

**Fellowships and Internships** at the Beckman Internship and Green Hills Scholarship are due by March 19, 1999.

**NSFA** is the National Science Foundation for the 1999-2000 academic year. Award amounts are $10,000 for the first 100 selected finalists, $15,000 for the next 300, and $20,000 for the next 100. For more information, visit the NIH website at http://grants.nih.gov. Applications for the Beckman Internship and Green Hills Scholarship are due by March 19, 1999.