Astronaut Encourages Support of Women, Minorities in Science

by Amy Herr

It is the nature of this flower to bloom, writes Alice Walker, and bloom she has. Dr. Mae C. Jemison, Chemical Engineer, Scientist, Physician, Teacher, Astronaut, African-American Scholar, and Dancer. Dr. Jemison entered Stanford University on scholarship at age 16, where she earned a Chemical Engineering degree. From there, she continued her education at Cornell Medical College and, in 1981, graduated with a Doctorate in Medicine. In the late 1980's, NASA selected her as an astronaut on a joint US-Japan mission. On September 12, 1992, aboard STS-47 on Endeavor, Dr. Jemison became NASA's first Science Mission Specialist and history's first woman of color to peer at Earth from some 200 miles above.

The Multi-Cultural task force in combined efforts with The Women's Center, The Y, The Student Affairs Office, and The Society of Women Engineers, offered the Caltech Community an opportunity to acquaint itself with this remarkable woman on October 26th, as part of Kaleidoscope 95: United by Our Similarities, Celebrating our Differences. What did Dr. Jemison have to say to the community? Of course, we learned of her outstanding achievements and enthusiasm for science; but, more importantly, Dr. Jemison delivered a specific message about minorities and women in science. Realistically, Dr. Jemison acknowledged the common perception of any discussion about gender and ethnicity as a turn-off. Yet, she recognizes that the intellectual resources of this country are not being tapped; that is something she urges us all to change. Quoting figures given by Dr. Jemison: merely 7% of PhD's in physics go to women, and more importantly, Dr. Jemison acknowledged the common perception of anything added to the other side of the equation (i.e. to those underrepresented in the scientific community) as something subtracted from their side of the equation. We are more intelligent than that, Dr. Jemison urged, we must include all of our citizens, for life is much more abundant than a zero-sum equation. Demands for equality should not be taken to be threats, equitable distribution of opportunities can only help everyone involved. -Dr. Mae Jemison

Grad Students Shine in Saturday's College Bowl

by Mason A. Porter

On Saturday morning, Caltech held its first College Bowl Tournament in several years in the hopes of fielding a regional team during that competition next February. After eating bagels provided by Sam's Bagels, the morning competition began. This division was won by Darned Scurves (and a Flen), consisting of Sophomores Kiran Sheker, Geoff Smith, Brandon VandeBrake, and Tai Lam, and Junior Jamie Walls. They went undefeated in the five game competition. Other teams even found that it was difficult to answer questions while half asleep, those in the afternoon division had no such problems. The Herpilhodes won six games without a loss against six other teams, including the Barkingspiders and The Four Horsemen of the Apocalypse. The team consisted of graduate students Richard Mason, Daniel Gottesman, Scott Kelly, and Russell Todres.

In what has become an annual tradition, Chem 1 freshmen throw Professor Nathan Lewis into the Millikan reflecting pool.

Happy birthday, Nate!
Capitalism a Fundamental right?

It greatly disturbs me to see articles such as Autumn Looijen’s “Quest for Profit Destroys Environment” of October 20, 1995 in the newspaper of one of the greatest science and technology institutes in the world. In her article, Ms. Looijen claims that mankind is going to have to “be content with what we have” (meaning our standard of living), “to be prepared to accept stiffer measures,” or else see our planet ruined and our race extinguished. Ms. Looijen identifies a right “not explicitly guaranteed in the Constitution... the right to make money” as “the root cause of many of our most pressing environmental problems.” This right may have to be taken away, she says. She seems to imply that this is not a right guaranteed explicitly by the Constitution, it would be legal and even proper to do so.

The Constitution is a document of principle. Its essential purpose is to guarantee those Rights upon which our country was founded, “Life, Liberty and the pursuit of Happiness” as establioshed by our Declaration of Independence. These are the fundamental Rights; those listed in the Bill of Rights are some of their most important derivatives. The right to make money is one more such derivative. In desiring to take away man’s right to make money, Ms. Looijen and her ideological gang really want to take away man’s Rights to Liberty, the pursuit of happiness, and ultimately, to life. She is advocating a government which dictates to each man how he may earn money and what he may do with the money he does earn: a government which dictates of some of the most crucial aspects of his life. This is not liberty. No man (not even those doing the dictating) can be truly happy under such a government. This is certainly not the life which the Founding Fathers fought to secure for us.

What truly disgusts me is the philosophical view of man and the universe implied by Ms. Looijen’s projection of our future. Man is a profoundly unique being in that he possesses the faculty of imagination. It is this faculty which has allowed him to progress from a brief, painful life consisting mainly of roaming from field to field, picking berries to assuage his constant hunger during moments when he is not seeing some equally hungry beast, a life completely devoted to maintaining his physical requirements, to one in which the minimum of effort secures his physical existence; and he is free to truly live. To compose the “Jupiter” symphony or to write Les Misérables, to discover the code of life in DNA or the code of the universe in superstring theory; to create unimaginably powerful computers or to send man and spacecraft to explore the solar family. Ms. Looijen says it’s all a big joke and illusion. Just as he glimpses the brilliance he sees capable of, he finds that it was all an illusion. Her technology, her breakthroughs with reality, his faculty of reason, is impotent to achieve it. With reason undermined, there is no hope for progress, for ambition or in her world; the fabric of it isn’t strong enough to support their weight. The only future open to him is to renounce this glorious life, to deny his rational faculty when it tells him that he can be free to condemn himself and future generations to stagnation. I can think of no more desirable thing and no longer highly nihilistic, than this.

This is the critical issue raised by Ms. Looijen’s article, not the root of environmental problems, but something far more important, a metaphysical issue. For our current environmental problems is a lack of long-term planning, which is encouraged by the government controls now in place, and the solution (not a dictatorial enviro-fascist government,) fundamentally (if not at each moment) lies in the grove of Mr. Looijen implies, is but wonderfully sublime and a source of unlimited joy. Caltech is the needed technical expertise, inter-mingled existence, which makes what it takes, and exploiting it to our betterment. Caltech is about reason. There is no place here for its spiritual antithesis.

Eric R. Westphal

Environmentalism Short-Sighted

Last week Autumn Looijen gave us a tract on profit seeking and the damage this does to the environment. Her short-sighted opinion has obviously succeeded. If it was meant as a co-ordinated attempt to damage society I fear it failed quite spectacularly. The title and ends of the article strongly imply that profit-seeking is a danger to our environment—not that there is any other recommendation for organizing the economy. This is recommended by Ms. Looijen’s contention that we must reduce our consumption to save the environment.

Alas, the chosen examples are wholly inadequate to making any broad philosophical point. The drive we are driven rather than profit, yes, and trash is a problem—but these are from flaws in the market systems. The cost of polluting cars is not well reflected in their price, and waste in of itself can hardly be necessary evil—we all produce some waste, which some other lifeform considers food, and around we go. As is the world simply lacks the saprophytic stage of the cycle. But if better mechanisms were in place profit seeking might perhaps help people to be more efficient and ecologically correct. And deforestation is hardly a fair example in this country, which subsidizes public logging to an extreme degree. One might as well cite California farmers for growing rice and alfalfa in the desert for the same reason. The system simply can’t make the economy move on this one.”

 blamed and others for less. Someone is “consuming too much” you should think very carefully about what measures you can take to make your comply with your vision of how life should live.

Damien R. Sullivan
CONTINUED FROM PAGE 1

Jemison: "I was very talented, but unless somebody (i.e. Stanford) made the positive step of trying to include more people, I would not be here. I am." Thus, Dr. Jemison is a true example not only of what one can make of life, regardless of obstacles; but, an example of what can happen when institutions and people in positions of power take the attitude that different types of people can bring different important insights to the scientific world. Sure, Dr. Jemison agrees, we must do things for ourselves. ...

... but, you can dig a hole for yourself. People show up at 12:15 p.m. I leave at 12:45 p.m. Meeting begins about 1:00pm. Minutes this week by Tom with embellishment by Laura. Yeah. We passed the shoot the moon clause for interhouse sports. Art made the motion, which states that if a house loses every game of every sport all year long without forfeiting, they can challenge the house with the most trophies for the trophy in any major at the end of the year. The challenging house must bring beer. Tom passed out fliers for people to go to a taping of a TV show and get paid for it. Barbara Green wants to make sure that when students affairs people come to lunch in the houses, someone is there to greet them and sit with them. She’ll give the president some notice when they will be coming. She said there were mixed results last year, and since they will be thinking about bringing faculty in the future, she’d like to make sure there are no bad experiences. Bring Tom your Ath lists. He wants to have a copy of the Ath lists so if someone wants to check them while the gym is closed they can, and also to check for duplicate names.

Benedetti Reviews CDs ....
Steele Dan-Afro in America
There’s nothing in these 11 flawless performances to make you think that they were recorded live-no weird arrangements, silly covers, or crowded singalongs. And while this perfectionism is the ideal backdrop for solo upon not-perfect solo, I miss Jerome Antonin.

Caspar Brotzman and F.M. Einheit-Merry Christmas
Einheit (on hammer and drill) and Brotzman (on overamped guitar) run for 55 minutes. After a couple of listens I still can’t tell whether these are elaborately constructed songs or thrown-together noodling. And if you like this sort of thing, it...------ ....

Avery Committee:
The Avery committee to make recommendations about Avery House to Gary Lordon, Vice President of Student Affairs. Consists of myself (David Wales), Kim West, Myfanwy Callahan, Diana King, Marsha Maxwell, Nestor Ocampe, Maria Satterwhite, JeanneWison. If you have any comments of suggestions about Avery as we hold open meetings, please contact any of us. Our emails are dbw@cco, kwest@starbasel.myfanwy@ugcs.king@cco.marmax@cco.no@cco марiafs@cco,jeannew@ugcs.

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LAEMMLE THEATRES

This weekend, Page vs. Fleming in Ultimate Frisbee. Lloyd challenges the winner. That’s All Folks
Respectfully submitted
Laura Brady, IHC Secretary

IHCl Minutes 12 October 1995
Present: Tom (chair), Laura (Secretary), Bill (Da), Brian (Ru), Nestor (Ll), Mike (Pa), Art (Ri), Adil (Rs)
People show up at 12:15 p.m. I leave at 12:45 p.m. Meeting begins about 1:00pm. Minutes this week by Tom with embellishment by Laura. Yeah. We passed the shoot the moon clause for interhouse sports. Art made the motion, which states that if a house loses every game of every sport all year long without forfeiting, they can challenge the house with the most trophies for the trophy in any major at the end of the year. The challenging house must bring beer. Tom passed out fliers for people to go to a taping of a TV show and get paid for it. Barbara Green wants to make sure that when students affairs people come to lunch in the houses, someone is there to greet them and sit with them. She’ll give the president some notice when they will be coming. She said there were mixed results last year, and since they will be thinking about bringing faculty in the future, she’d like to make sure there are no bad experiences. Bring Tom your Ath lists. He wants to have a copy of the Ath lists so if someone wants to check them while the gym is closed they can, and also to check for duplicate names.

IHCl Minutes 19 October 1995
Present: Tom, Laura, Bill, Nestor, Adil, Vogel, Art, Leonard Sung (Lloyd Ath Man)
Pumpkin Drop: Each house agrees to give Dalhousie $50 for the drop this year, and they expect to get money from ASCIT (probably $50) as well. Meetings won’t be in SAC 64 until the furniture is removed from there. Check the door for meeting locations towards SAC 25 and Clubroom A (room 13) are likely choices. Art ask that house refrain from RFing the Ricketts Pot because it is falling apart. Just remember; ‘Don’t mess with the pot.’ An Addendum to the ‘shoot the moon’ clause is proposed and voted in 5:40. It states that if the team which is going to ‘shoot the moon’ has another team forfeit against them then it doesn’t count as a win for the purposes of shooting the moon. Nestor wants screws from Page. Lloyd voices complaint about Rickens’ refing of the Da/Li game, claiming that the slide rule was not called. Everyone decides that the refing was probably equally bad for the whole game and that nothing needs to be done about it. Finding competent refs is discussed and we agree that the general rule of providing one ref from each playing team is an alternative in the case of bad refing, when agreed on by both playing teams. Disco order: This weekend, Page vs. Fleming in Ultimate Frisbee. Lloyd challenges the winner. That’s All Folks

Respectfully submitted
Laura Brady, IHC Secretary
There: Jon, James, Dave, Tom, Greg, Laura, Melissa, Darby, Andrew Huntington, and Alex Lin.

Not There: Kannna and Ken

Meeting officially begins at 10:04 PM. Rickette House requests window/door movement for the Oktoberfest in November with Fleming. Kannna will give Rickets a check eventually.

The Shockan Karate Club asks about $150-200 in funding to feed house Shotokan specialists and to pay for some of the maintenance associated with progression from one belt to the next. We decide to hold off funding until Kannna tells us how much we have left in our budget.

Alex asks for about $100-150 in funding for the CCX/KSA party held on Saturday. They originally showed up to get funding at the meeting, but the BOD cancelled; thus, they're not coming to us to ask for money after the event. We decide to hold off funding until... ditto.

Jon and Tom talk about the athletic teams' monopoly on the ASCIT Van (I thought you needed 3 to get a monopoly). Jon and Tom and other members of the BOD express the desire to see the Athletic department purchase their own van. We'll ask Grace to discuss this with the Athletic department; Jon might also discuss this with Sharyn Skatin. In the interim, we suggest to Laura that the van signpost should have some restrictions placed upon it to prevent such a monopoly. This also suggests letting people sign out the van similar to those in MacGyver - if the team can disarm the trap in the time, it can take it out. Otherwise, they die horribly grisly deaths.

Jon reads off a brainstormed list of ideas to help off the $7000 that ASCIT Movies spends every year. Renting movies and hooking a VCR and goat sacrifice are not listed, but hey, Jon then reads off a list of ideas to fix the federal budget and do away with all crime and war. Greg asks Jon to clarify the suggestions before sending them out to Peter Manca. Maybe goat sacrifice is still possible. Imagine this - you've just bought a ticket, you're seated into your seat with your coke or candy, the lights go out, and all of the sudden, hey, the projector breaks. Before the movies team has a chance to announce a short 20 minute delay while they get the second one running, somebody throws a (small goat) (a DWARF goat) (or maybe just a dwarf) in front of the screen and GIVES IT AN AMA 95 PROBLEM SET! It is generally agreed that the Movies Team should write a letter to the Tech explaining their financial predicament and their requirement to raise ticket prices, shortly followed by an actual raise in ticket prices.

Jon has chosen 4 people (Alison Slep, Dave Bacon, Stephanie Haussmann, and Steven Bennett) as well as two alternates (Adam Villani and Neil Jones) to be on the Core Curriculum Council. The Faculty Board also asked Jon if it was a good idea to get Caltech to set up a voucher system with the Pasadena Cab Co. SO THAT Taxis stranded in Pasadena could hail a cab to take them back to Tech instead of walking back and getting mugged. James argues that everybody should be muged once as part of the L.A. experience. The faculty are also complaining about the speeds of bicyclists on campus and they may have security enforce bicycle speed laws on campus if the problem persists.

Good luck with midterms and have a great Halloween!

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**Y NEWS**
by Donna Ebenstein

HALLOWEEN is coming!!!

I know it's the middle of midterms, but the Y has come up with a way to enjoy Halloween and decompress a little during exam time.

There will be brownies, cake, and cookies to eat, as well as showing of movies for a chance. There will be brownies, cake, and cookies to eat, as well as showing of movies for a chance.

HALLOWEEN is coming!!!

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**Physics 11 - Second Hurdle (1996)**

Imagine the following scene: small rocks of a variety of sizes and shapes sit on a bed of fine sand. Every day more fine sand falls from above. There are two possibilities: the rocks are gradually buried; however, if there are some insects present who are constantly moving about, crawling over and disturbing the rocks, the rocks may not be buried as easily.

In the second situation, which rocks will "float"? We want quantitative answers.

**NOTE:** This actually happens. Sedimentology is definitely affected by "bioturbation".

**Rules:** Clearly state all assumptions made. You may use any reference you like, but you cannot collaborate. The use of computers, etc. is OK. The hurdles are due by Monday November 20 by 5 p.m. in 301 Sloan Annex.

(You do not have to be enrolled in Physics 10 to try for a place in Physics 11, nor did you have to attempt the first hurdle. Physics 11 is open to freshman only.)
October 27, 1995

Calendar

Halloween

Halloween is basically a sick type of Holiday, and Los Angeles is a place of sick, but happily gives an even sicker appeal to a holiday which celebrates death, decomposition, fright, and gore. But don’t think that the real celebration happens anywhere close to Pasadena. Halloween is by far best celebrated in Hollywood and Downtown. I’ll start from the tamer end and work downward: There still may be tickets for Knott’s Scary Farm’s ‘Halloween Haunt’ or Magic Mountain’s version of the same. I found those pretty cool, as well as pretty expensive: almost all rides are still working, but moreover many temporary ones are set up. Although much of the show is as one expects, some of the side-shows created for Hal­ loween are pretty awesome, and I don’t actually believe you could go and not get frightened at least once. Even if you are Sean Mauch.

I’m betting that the biggest freak show is going to be the Halloween Costume Party along Santa Monica Boulevard in West Hollywood where over 50,000 people are expected to show up, dance, and party. “Food and psychics are available.” It’ll all be occurring between La Cienega and Robertson on the boulevard. Carcophony Society’s Devil’s Night also sounds to be a fright. “A mechanical freak show” is the description for the main show, which is accompanied by Woodpussy’s “haunted whorehouse”, which promises to include moving parts, as well as “shockinema” and other fine treats. It’ll all be inside The Clubhouse downtown off of Santa Fe Avenue.

Topping the list is this one: The Art Deco Society of Los Angeles has dug up something special for Halloween: “their 11th annual Hollywood Cem­ etery Walking Tour. The tour will be held on Saturday between 10 and 11:30 a.m., starting at 6000 Santa Monica Boulevard. ASCF will also be holding a Halloween Costume Bash, to­ morrow, Saturday the 28th, from 9 p.m. Costumes are a necessary for this one, unless you’re a mole.

Around Town

This Sunday, October 29th, the genius of Ray Bradbury, au­ thor of Fahrenheit 451 and Martian Chronicles (like you didn’t know), will be showing up at Woman’s (605 E. Colorado) for his third annual Halloween visit to sign books and other paraphernalia. My suggestion: try to get him to sign a copy of Dianetics. They’ll be a “second best” (not including the original ac­ tors and actresses, less party, and a lot less money than the other sold-out Pantages show) playing of the Rocky Horror Picture Show on its twenty-first anniver­sary at the Rialto Theater at mid­ night, Saturday, October 28th. But you could miss all this and still not be any different. If you want to be really cool, you’ll go to hear Kurt Vonnegut, author of Slaughterhouse Five, Player Piano, and Cat’s Cradle (if you don’t know these, then you really really should make something of yourself and go and read them). Ya, skip your mid­ terms, read Vonnegut. He’d want it (that way), give a talk at USC entitled “How to Get a Job Like Mine.” Vonnegut is even better in person than in his books, but be prepared to be offended, put down, and in­ spired all at the same time.

News of the Wendish

I recognize well that it is not the way of the average Techer to let a good Halloween by without at least a near run-in with the law enforce­ ment, but this Halloween I would advise that you do your best to be careful to avoid the black and white auxipers: the Pasadena Police have just been equipped with a new weapon—the “bean gun”. Pasadena Police have received four hours of training for proper use of their new shotguns loaded with non-lethal, though painful inflicting, bean bags. Now, the word “beaners” has a whole new meaning.

Costumes

Yes, you did it. You missed the final Boingo tour. Now, you get to hear from Elliman he’ll be producing the scores for Disney shows with cute little birds that talk and know somehow to be unusually cynical or sickeningly happy. No more perverting the youth, no more liking little-girls, or Dead Men’s part­ ties. Just Twidled-lee and Twiddle­ dum as Disney takes over Corporate America and Elfman makes monkey’s sing about the facts of life. It’s come to this. But, yes, there is life after Boingo, and while I wallow in the misery that is the end, you can still go a lot of other concerts. Just not Boingo. In fact, I say we have a cal­ endar section just to mourn the pass­ ing of Boingo, and not disgrace their dissolution with any other sugges­ tions. With Boingo gone, there will be no more concerts with suggest­ ing!

Tickets for Babes in Toyland with Season to Risk and Mount Shasta for their concert at the Hol­ lwood Grand on December 7th at 8 p.m. went on sale yesterday. You might still be able to squeeze out tickets to Bob for November 1st at the Paladium, Juliana Hatfield at The Wisky on the 28th, Bel­ ly and Catherine Wheel at The Mayan on November 9th, and My Life with the Thrill Kill Kult with Ewe’s Plum on October 27th at Hollywood Grand.

Theater

Two pretty cool shows are com­ ing through: Arthur Miller’s Death of a Salesman directed by Jules Aaron will be showing at the Ventura Court Theatre Alli­ ance. The Actors Coop put on the hosplia with their production of Guys and Dolls which opens on November 10th at the Crossley Terrace Theatre. This production is directed by Alan Johnson and produced by Ann Gagen and Phil Lattin (don’t think I actually know who they are, but maybe you do...), and will be showing through Decem­ ber; tickets begin at $17 for gen­ eral admission. There’s also an ongoing performance of The Grapes of Wrath that has been very well acclaimed at the Attic the­ ater in Hollywood.

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Icy Beavers Victorious in Fresno

by Bob and Doug MacKenzie

Tired of wearing those paper grocery bags over your head to Caltech intercollegiate athletic events? Searching for an excuse to pick up the phone and talk a little trash to that friend at a UC school? Well, look no further than the Pasadena Ice Skating Center, where the undefeated Caltech Ice Hockey Team makes it’s home. This year’s squad, characterized by an exquisite balance of athletic skill and physical domination, has assembled an astoundingly 19 goal differential (an awesome 25 for, a paltry 6 against) en route to a 3-0 record against divisional opponents Cal State Fresno, UC Davis, and the University of Santa Clara.

Now that you know what’s caus­ing that electric buzz in the cam­pus air, let’s run down the sea­son to date, while introducing you to some of the personalities that constitute this finely-tuned icebound juggernaut.

Domination does not come without sacrifice, and as such, the core of the team could be found in the gym a daily basis throughout the summer months, at least when they weren’t out on the softball field winning the GSC A- League Championship or drinking beer at a wide variety of locations. Intense training ses­sions, designed by former Caltech player and current na­tionally-ranked speed-skater Haj Sano, honed a sharp edge on the squad’s physical conditioning. The icebound juggernaut—battering the competition at every turn—was the Santa Clara Squad. At the pregame captains’ meeting, after viewing the military-like precision of the Beavers warm-up drills, the Santa Clara captain was heard to mutter under his breath, "[Shoot], we’re screwed..." After 5 minutes of the first period, it was evident to every­one in attendance that a true prophecy was never spoken; the final score was 15-1 Beavers. Obviously inspired by their shiny new white home uniforms, the second line of Han­than Siessor and Max Lytui­ko, on either side of center Mike Sles­ser, accounted for 8 goals in this match. Unfortunately, they also added the lone Santa Clara goal, thus earning the nickname "The Maginot Line" for their questionable defensive effort. This line is a product of Pavel’s insight into assembling the avail­able talent: McCormack, a trans­fer from the now-defunct NCAA Divi­sion I contender R.P.L., brings an unpredictable element to the unparalleled stick handling skills of Lytui­ko, a Russian by birth, and the Gretzky-like passing tal­ent of Canadian import Sles­ser.

The third line of GSC guru Daniel Maskit and new addition Ben Liu, boosted by the addi­tion of Siessor, added 6 tallies to this victory and Saturday night’s 6-3 romp over a much-improved Caltech goalie. In both this victory and Saturday night’s 6-3 romp over a much-improved Santa Clara unit, stingy defend­ers Biff "No This Way" Yamazaki, Chris "Have a Seat" Claypool, David "The Dutch Touch" Sles­ser, and Marty "Guys and Dolls" Ross were key to the Bea­vers’ supremacy. Throughout both games, the Caltech players showed a remarkable degree of selflessness and team unity. Typical­ly, all major name brands of VCR’s around the world. Based on the success of VCR Plus+ and the imminent launch of new products, Gemstar recently completed its IPO. Please join us at 5 p.m. in 102 Steele on Thursday November 2, where Dr. Kwoh will give a brief review of Gemstar’s history as well as a preview of what is to come. All interested individuals are wel­come and refreshments will be served. For more info please contact jenica@clark.com.

VCR Plus+ and Beyond

by Jessica Chang

The Entrepreneur Club is proud to welcome alumni Dr. Daniel Kwoh, founder and Senior VP of Gemstar Develop­ment Corp. Dr. Kwoh graduated in physics from Princeton in 1970, and earned his Ph.D. degree at Caltech under Profes­sor David Goodstein. He went on to do research at TRW in various areas, including microwave backscattering from wa­ter waves, speak way study in high-explosive tests, and labo­ratory cloud chamber study of nuclear winter. In 1986 Dr. Kwoh co-founded Gemstar with Henry Yuen (Gemstar Ph.D., Applied Mathematics) and together they invented the famous VCR Plus+ two years later. Subsequently, Dr. Kwoh and Dr. Yuen were named the Best Entrepreneurs of 1990 by Business Week Magazine. VCR Plus+ has now been incorporated into all major name brands of VCR’s around the world. Based on the success of VCR Plus+ and the imminent launch of new products, Gemstar recently completed its IPO. Please join us at 5 p.m. in 102 Steele on Thursday November 2, where Dr. Kwoh will give a brief review of Gemstar’s history as well as a preview of what is to come. All interested individuals are wel­come and refreshments will be served. For more info please contact jenica@clark.com.

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If you’re a CS, ECE, or EE graduate looking for a challenge, sign up to interview with us at the Career Center and e-mail your resume to recruit@gordon.com.

Informational Session:
Wednesday, November 1
4:00-6:00 p.m.
Activity Center, Room 25

Interviews:
Thursday, November 2

GORDIAN

20361 Irvine Avenue, Santa Ana Heights, CA 92707-5637
(714) 850-0305 ph, (714) 850-0533 fax
http://www.gordian.com/
The next meeting will be held right around haunting hour on the 31st.

The Interhouse Committee Meetings will be held biweekly from now on, adding a second date on every Tuesday at 9pm. The next meeting will be held on the 31st.

Information and applications for 1994 Summer Work-Study are available in the Financial Aid Office (MSC 12-63) now. If you are interested in Summer Work-Study, please submit the required application as soon as possible, but no later than June 1, 1994. The entire financial aid application must be complete by June 1st to be considered. If awarded, the work-study funding will begin with the July 4th payroll period.

*Interested in biology? Want to meet some famous biologists? Want a cool summer job in biology? Then come to the organizational meeting for the newly-proposed Biology Club, and vent your spleen. This meeting will allow all aspiring biology students to give input into what the club can do for them. All students are invited, so bring your ideas (and your lunch) to the Ruddock Main Lounge (near the-dining room) on Halloween, Tuesday, Oct. 31st at noon. If you have any suggestions or would like to participate in the club in the future, please send email to rdickor@co.edu. Wei-Hwa says: All students interested in taking the Putnam are invited to attend practice sessions for the Putnam competition! Please send your opinions on good times and places for weekly meetings to putnam@ugcs.caltech.edu.

The Caltech Bookstore is currently holding its third annual Giant Pumpkin Raffle (and now is a beauty). Raffle tickets are given to any one purchasing $5 or more from the bookstore; the drawing will be held today, October 27th at 12 noon at the bookstore.

Don't forget the 9th Annual Caltech Engineering Fair is this Saturday, October 28th at 10am-noon in the Student Center! This is a great opportunity for companies to meet Caltech students and to allow students to interact with engineering professionals in a relaxed atmosphere. For further information, please see the Engineering Fair announcement in this week's issue of The Tech.
**The Viking the Thursday Night Altern­
naic Movie White**, part of the trilogy ex­ploring the Modern Institution of the river, chile, and white, on October 21 at 1983 in the Beckman Lecture Hall.

**The Caltech Folk Music Society** will present the talents of the Brown Sisters and George Carlin in concert in Beckman at 7:00 p.m. on Wednesday, October 23rd in Beckman. The club is open to all students and anyone interested in folk music.

**The SIPA XII Scientific Research Society** is pleased to announce their **Town Meeting on Science and Technology** on November 1st at 10:00 a.m. This conference, which will originate in the North Carolina Triangle Park area from participating scientific and engineering groups, will be presented live to the audience at Beckman's Beckman Auditorium.

**The Counseling Center** will host Dr. Gregg Herken, the Chair of Space History at Caltech, Mr. O'Rourke is responsible for Caltech's publications, for the event. The district isn't (the and the district isn't (the, periodically for the district main line), and media relations, and also oversees the Institutional Office of Public Events.

**The next movie that will be shown in the German Film Series (which will be shown throughout the year) is scheduled to be announced soon.** (The Sotomayor) (Thursday, October 24th).

**The Caltech-Occidental Bond will be holding a concert directed by William Bell with guest conductor Frank Ticheli, Professor of Music at Caltech, in the Beckman Auditorium. Admission is free.**

**From the Counseling Center**

**The Counseling Center is offering a Women's Therapy Group for Female Students in the fall term. The group is designed to provide a place for women to learn, share, and develop coping skills in a confidential setting.**

For more information, please call 577-4029.

**The Sigma Xi Scientific Research Society is pleased to announce their Town Meeting on Science and Technology on November 1st at 10:00 a.m. This conference, which will originate in the North Carolina Triangle Park area from participating scientific and engineering groups, will be presented live to the audience at Beckman's Beckman Auditorium.**

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