

FILE PHOTO

Contrary to popular belief, our new Provost is not Rick Moranis, pictured here in front of the Great White North.

Koonin Named Provost

by Dave Relyea

On Monday, February 20, Steve Koonin became the new provost of Caltech. Dr. Koonin attended Caltech as an undergraduate in 1968, and after graduating, he went to MIT for graduate school. After obtaining his Ph.D. in only three years, Dr. Koonin returned to Caltech (originally as an Assistant Professor) and has been here since.

As provost, Dr. Koonin has a myriad of responsibilities. The provost is ultimately in charge of many academic issues, approval of research programs, and the search for new faculty and new areas of research. The provost, the president, and the six division chairs compose the IACC (Institute Academic Coordinating Council), which recommends faculty appointments and the promotion and tenure of Caltech professors. In addition to these duties, the provost is responsible for the Center for Advanced Computational Research (CCO reports to him as well), the libraries, and the Women's Center. Dr. Koonin will also be in charge of the setting of rules on various conflicts of interest, sexual harassment, allegations of fraud, among others although some duties are usually handled by the Vice-Provost, David Goodstein.

Dr. Koonin agreed to become the Provost because he wanted to

"make Caltech better" and help his colleagues on the faculty by facilitating their requests. Dr. Koonin's open-mindedness about science, his time as an undergraduate at Caltech, and his research in multiple scientific fields have given him experience in areas of Caltech policy which will aid him during his term as provost.

Before becoming provost, Dr. Koonin had done research using supercomputers to study the structure of atomic nuclei as well as "Earthshine" which is light reflected off the Earth onto the moon. Becoming provost will probably reduce the pace of Dr. Koonin's research, but he believes his continuing on with lesser involvement in scientific projects will still be possible.

Currently, Dr. Koonin believes that the biggest challenge Caltech faces is that it tries to have a big impact on the scientific community while maintaining its small size. As a "facilitator", Dr. Koonin believes that he can make things happen. Having been at Caltech for twenty seven years, he should provide the experience and knowledge to do so. The undergraduate community, the graduate students, the staff and faculty of Caltech should all be thankful that our next provost, Steve Koonin, has the experience, the initiative, and the determination to better the lives of everyone in the Caltech community.

McKinney Literature Prize

from the English Department

The Literature faculty is pleased to announce the 49th Annual McKinney Competition. The Mary A. Earl McKinney Prize is awarded each year for excellence in writing. Only full-time students officially registered at Caltech as undergraduates are eligible to enter the competition. This year prizes 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 sub-

mit up to three poems. Submissions of prose fiction should not exceed 12,000 words. Essays may be ones prepared for a humanities class or any good piece of original writing on a topic relevant to the humanities. The prizes in each category will be \$300. Each student is entitled to only one entry in each category.

All contestants must submit their work to Professor Jenijoy La Belle, Division of the Humanities and Social Sciences, 101-40, by no later than May 4, 1995. No entries will be returned. Each category will be judged by a committee from the Lit-

erature faculty. Essays will be judged on the quality of thought and the effectiveness of the writing. Winners will be announced the last week of May, and the names of the winners will appear in the commencement program.

The Committee may divide the award in each category in case of more than one outstanding submission. Previous winners in any one category are not eligible for the competition in that category. If you have any questions, contact Prof. La Belle, extension 3605, or Barbara DiPalma, extension x3609.

ASCIT Minutes of 2/20/95: The New BOD

Present: The new ASCIT BOD — Jon, James, David, Tom, Ken, Greg, Laura, Melissa minus Kanna (she was late). Meeting starts at 10:02 P.M., Pacific Time.

- ⊕ James and Melissa sworn in by Jon. James snarfs his Coke and is forced to leave temporarily.
- ⊕ We talk about the secret files of the ASCIT room. What secret files, I don't know.
- ⊕ Jon talks about the various offices: Melissa is in charge of the UROH and the meeting for the club budget proposals third term. Beyond that, her duties are what she makes them to be. Laura is in charge of the Van and Copier and sees no need for anyone else to control the van or the copier.
- ⊕ James comes back with Kanna, and Jon finishes swearing him in.
- ⊕ We discuss the merits of ASCIT donuts. Currently, Friday morning donuts works. Ken is eating Lucky Charms and making James snarf. Kanna moves.
- ⊕ We talk about the lack of introductory social science classes. Complaints that they lean heavily into Economics areas, and if a person doesn't like Ec, they have very few choices of an intro. SS class. We also talk about cross-disciplinary psychology. James says "Peter Ordeshook is the coolest prof in political science."
- ⊕ We discuss campus speakers. Jon and Ken think James Earl Jones would make a good speaker, even if he read the phone book.
- ⊕ Jon talks about the Student Administrative Interactive Group (SAIG). This group discusses various issues about the campus and has members of ASCIT, the GSC, and the administration on it. At current



SAMANTHA FOSTER

Meet four members of your new BOD: (clockwise from upper left:) ASCIT President Jon McDunn, Treasurer Kanna Shimizu, IHC Chair Tom Maccarone, and Secretary David Relyea.

meetings, they've gone over parking, the kiosks, Avery groundbreaking, traffic lights (the new one at Chester/Del Mar), and other things. Tom and Ken and Laura want to be our representatives, and the point is made that issues of this committee greatly overlap with those of the IHC. Thus,

Tom and Ken are representatives and Laura is an alternate.

⊕ We mull over the idea of the new and old BODs going to Capra Ranch. Jon would be the intermediary between the two groups. It's 10:39 P.M.

SEE MINUTE, PAGE 3



The X marks the epicenter.

NEWS FLASH

On February 23rd, 1995, a magnitude 6.2 earthquake hit Taiwan. The initial reports are still coming in, but the location has been determined to be between North Latitudes 24.19° and 24.20°, and East Longitude 121.66° and 121.70°. The focus was roughly thirty three kilometers below the surface, and hit at 05:19:01 this morning. It is believed that this quake occurred in part due to the influence of the Kobe earthquake, which has now been officially named the "Hyogo-ken Nanbu" Earthquake.

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Minute Minutes

FROM PAGE 1

☞ We also briefly talk about ASCIT third-term appointments and the computer we have. We want Windows 95 and Wordperfect to be abolished from this computer.

☞ Tom says Kim West wants to get a group of students together to review DAPAC, and Greg says he'll be on the group. He also says the house social team directors don't need to be on this committee.

☞ Greg begins a long, interesting discussion on ASCIT social events and money. Greg wants the house social directors and himself to have more coordination so events don't overlap. Also, Greg wants an ASCIT social team to help with re-Frosh party, Halloween party, etc.

☞ We briefly move to the problem of freshmen not getting into Math 2a because Ashbacher doesn't want to deal with the students. Ashbacher wants students to have passed out of both finals because several students last year were near to failing. We talk about his attitude and what the requirements to get into 2a could be.

☞ For a brief minute or two, a herd of elephants in Africa is woken by the solitary cry of a calf. The herd thunders several hundred yards across the flat, grassy plains, forms its ritual defensive circle, and gradually settles back into slumber. Several thousand miles away, Ken's Lucky Charms box barely moves across the dilapidated red table, and all is calm within SAC 64.

☞ Speaking of the table, I forgot to mention that Jon and others want new furniture for SAC 64 - maybe a few chairs and a coffee table. Tom wants a bean bag chair, and Jon tells him to bring his own bean bag chair. Seeing as how Tom doesn't own a bean bag chair, this could be difficult.

☞ Jon says Ken should be corresponding with academic committees. Ken has been doing this.

☞ The Dean has installed shadow grades for freshmen, and we're not sure about the status of the third term

grading policy. We will try to find out more about it. Also, the survey to determine whether freshmen should be on this grading policy had 50% no, 38% yes, and 12% don't know.

☞ Actual Official ASCIT installations are March 1 at 5:30 P.M. at the MOSH's house.

☞ We all discuss the ASCIT formal, and decide to hold discussion off until Greg talks with Chris Marsh. It's 11:04 P.M.

☞ Jon says that "cats often win (elections) in Ricketts." This came from a discussion of the methods of determining the members of the Academics and Research Committee.

Fleming could have a problem because our bylaws call for each house to elect their own member, but anyone elected to anything in Fleming gets a roompick. Jon says Ricketts will most likely end up appointing their member. No major concerns to procedure are raised. Ken says, "Don't delegate things to morons who can't speak." Also, we discuss ASCIT non-members. Tots, avert thine eyes lest you suffer the wrath of something vengeful.

☞ Greg wants to know how much money he has. Kanna wants to go over it with him.

☞ We talk about Steven Frautschi (while discussing the Teacher of the Year Awards). He's cool.

☞ James walks across the table. It's 11:17.

☞ Greg proposes having an activity every weekend that is open to the ASCIT community. ASCIT would delegate a certain amount of money per weekend to be spent, and any club that wanted to hold this event could hold it. Scheduling would be once a month with all the house social directors and club reps. The funding would be somewhere around \$200/weekend, split up evenly between Friday and Saturday. The objections are raised that this money would come out of and end our multihouse fund. However, arguments are raised that the multihouse

funds can easily be unequally distributed amongst the houses. We also talk about the limiting of how many weekends one house or club could hold such an event. Jon says we should ask people which method they prefer. James wants a brief guideline on how multihouse money should be spent. If the DRL (who has extra money due to the donut proposition) wants to fund multihouse events, she might be able to if the IHC asks her kindly.

☞ The IHC gets food, but ASCIT doesn't. Jon wants food, but he wants furniture first. Odd tastes. Jon notes that it's 11:30.

☞ Laura says we can kill "a few trees" to make copies of ASCIT documents. Dave (wow, I'm in third person) promises not to overspend his funds on copy jobs.

☞ James is hesitant to go to the bank with Kanna, Ewald, and Jon.

☞ We want to know whether we should meet on Murph Day. Motion to meet on Murph Day passes 6-0-2, James and Ken abstain. Motion to adjourn is proposed, and it also passes 6-0-2.

☞ The BOD leaves the room and everybody turns left down the hall. It's 11:54.

Very extremely respectfully submitted with consideration and esteem,

(signed using a black ink BIC pen)
Dave Relyea
ASCIT Secretary

YNEWS

by Topher Hunter

Broomball is this weekend, gang, so here's the schedule:

- 10:30-10:50 Violent Femmes vs Moose Breath
- 10:55-11:15 Damn Scurves vs Thundering Herd
- 11:20-11:40 Big Red Machine vs Random Acts of Violence
- 11:45-12:05 Blacker vs Violent Femmes
- 12:10-12:30 Moose Breath vs Big Red Machine
- 12:35-12:55 Thundering Herd vs Blacker
- 1:00-1:20 Random Acts of Violence vs Damn Scurves
- 1:30-2:00 Semifinals 1
- 2:05-2:35 Semifinals 2
- 2:45-3:15 Final

Remember to show up a little early, so that we can play all games on time.

Aside from Boffo Bonecrusher, it's going to be a fairly calm week at the Y. On Friday, the 3rd, the Y's noon concert series will bring you singer/songwriter David Harris and his acoustic guitar. Hopefully (if we can find him) Nature Man Andrew Shoen will have a SNAM (Saturday Night Alternative Movie) on the 4th. Time tba, location: the Y lounge.

Well, that's all for this week's exciting installment of the Y News. Tune in next week and you'll here Chris say, "what's this fish doing in my office? And why is it cross-dressed?"

WRITE FOR THE TECH

FRIDAY, 12:15, COFFEEHOUSE

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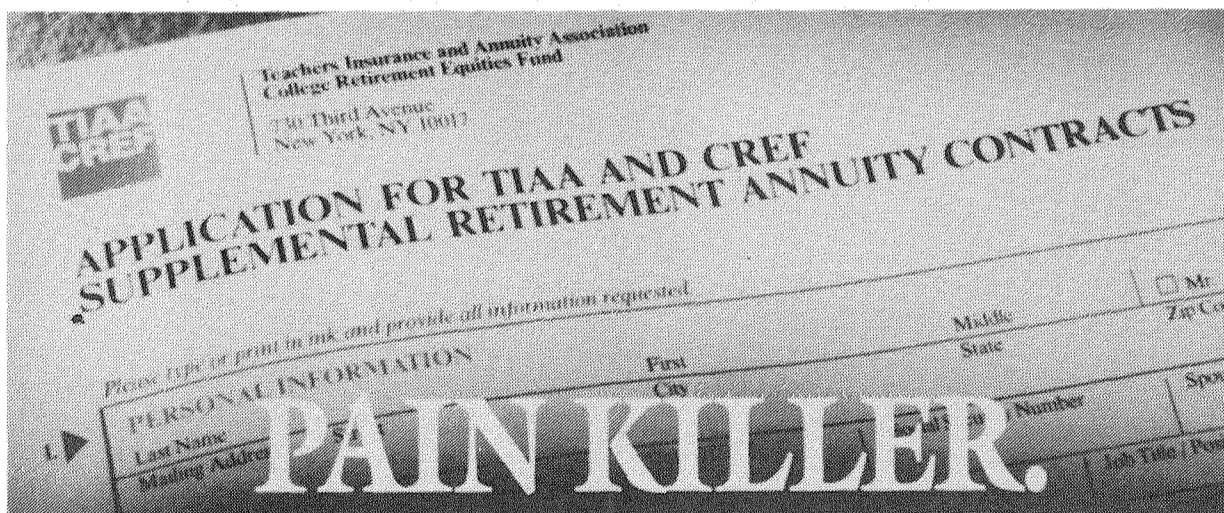
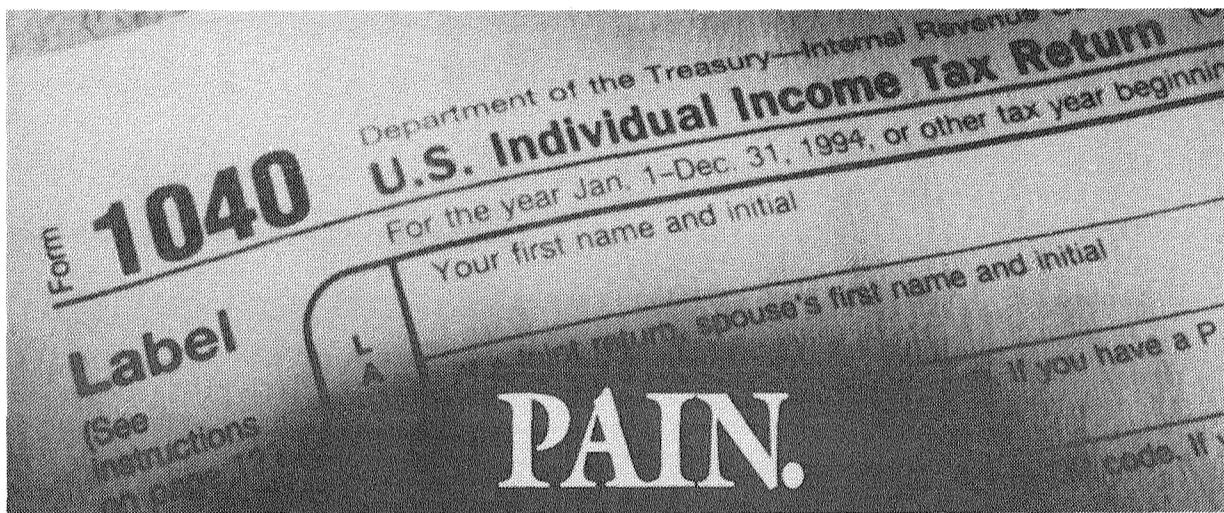
Submissions are generally creative works, such as narrative, fiction, drama, poetry, artwork, or photographs. Essayists are encouraged to submit to *The California Tech*. Most cartoons should probably belong in the Inside World.

1. All submissions must be in by the Tuesday preceding the issue in which the submission is to appear.
2. Submissions may not contain libelous material without consent of those being libeled. It is the responsibility of the author(s) to check on this fact. Suspicious submissions will not be printed.
3. Submissions may not contain vulgarities. The editor has judgement on what constitutes a vulgarity.
4. Submissions must be turned in by e-mail, Macintosh disk, or 3.5" high-density IBM compatible disk.
5. All submissions will be submitted to the *Totem* after publication unless explicit instruction is given by the author(s) to the editors to the contrary.
6. The author must be part of the Caltech/JPL community. Certain waivers for alumni, friends of the community, etc. may be made at the editor's discretion.
7. The editor reserves the right to edit, shorten, disallow any submission, or take exceptions to these rules.

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lose (loose) - y o u
. m e .
to: One
Mood, such
as, AS it
will. does.
s l i p
Slyly Shifts—I'm sudden stewed! and
slowly
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stirr'd and
(u stir me)
—in— to
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mel—(I am)
ting (hlp!)
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a roll-oll-
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—Vicki Brown

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An Interview with: *Jon Secada*

by Dominick A. Miserandino

Early one August morning I had the honor to be able to interview Jon Secada, just after he left the Good Morning America studios. Before you is a word for word transcription of that interview.

Q: Last night you were on David Lettermen, and this morning you were on Good Morning America... How did it feel doing this live television performance?

A: It's great. Well singing live is great. Doing shows like this where you can actually sing live is great. It's good for me, and I enjoy the fact that it's live.

Q: Both of your albums were recorded also in Spanish, why both English and Spanish versions?

A: I grew up speaking both languages and for me that's really important. I grew up in a community that was bilingual. I've done it for a while, singing in both languages. So, when I got contracted for my album, even though it was an English record, my manager insisted on making sure we would record in Spanish as well, and it worked out really good for me.

Q: Do you write the songs in Spanish, or English, or both?

A: I write in English first, and then I translate to Spanish. I've always felt more comfortable with the English side of things first.

Q: I've noticed that you've studied at the University of Miami and received a masters. That's pretty rare for anybody in the pop music indus-

try to actually study and get a degree, let alone receive a masters.

A: Well, I always wanted to be educated and be prepared. My intentions when I came into this industry was to be a musician, not necessarily a recording artist, just a musician in general. And that's the reason that I went to college, and got my degree, which has been great for me. It's helped me a lot with my career. It has allowed me to have a good foundation and to do other things in music. Even before I became a recording artist, I did other things in music. I was a teacher, I did studio work, I was an arranger, a producer. It gave me the opportunity to be... well rounded. Also, the people I met at the university most of them are still my colleagues now. People I've know for years are all in the industry together.

Q: You've mentioned that you've done production work for other albums. Anything we might have heard of?

A: Well I've done production work for other people. I've done production work for Latin artists, and then include the stuff I've done with Glora [Estefan].

Q: On your bio it lists all the awards you've received which stretch the gamut of musical diversity. What is the true style of Jon Secada?

A: I consider myself a pop singer/songwriter. There are many things attached to it though. There is R&B and rock and the Latin. Just all the things I've done, which I'm very proud of. My style is a very universal sound, which is very

close to where I grew up.

Q: A couple of weeks ago you were performing and the stage fell in, and you continued singing right threw it. What happened?

A: It was the opening ceremony for the world cup. There was a big pit by the stage that was not covered properly the day of the performance and I fell right threw it. I broke the fall with my shoulder, I separated my shoulder and somehow I was able to keep singing. I don't know how, I didn't want to be embarrassed in front of the world. everything worked out okay, I didn't have a broken arm or leg, and I was still able to finish the show. I just went to the hospital, and they popped it back in.

Q: Do you feel any pressure with this follow up album, after your first album sold 6 million copies?

A: No, there is no pressure to tell you the truth. I'm just really excited about everything that this happened to my career. I never really felt the pressure. I didn't allow it to happen. With this new album, I prepared for it a long time, I was happy with the songs and production. I felt that I proved myself with the first album, and with this new album, I just want to share some of my music. And that was always my feeling and my intention.

Q: Do you feel that there will be a shock from this album and the first album which was a different R&B style?

A: Well, I think it's a pop record with just an R&B edge to it. It's

not too far out that people are going to think it's that different. It's a more developed and more mature sound, and I'm really happy with how it turned out.

Q: Lately in the music industry, tribute albums have become very popular with artists covering anywhere from the Eagles to Kiss, to the Grateful Dead. Is there any artist that you'd love to cover?

A: Oh, yeah, I've always thought of covering some of my influences like Billy Joel, Elton John, Stevie Wonder. This record has a lot of influences that I'd love to cover, like Marvin Gaye and Earth, Wind and Fire. Maybe I'll do some covers during my live show, of major influences. [The tour will be in the NYC area at the end of the year]

Q: What can people expect from your live show?

A: A real active music set. Based and really concentrated on what the music's all about. That's what I'm all about singing and a really good strong music set.

Q: You've also mentioned that Crescent Moon Studios in Miami had 'all the right albums'. What makes Crescent Moon Studios so special for you?

A: That's where I record the first album. All the people I work with are all out of Miami. The whole chemistry and atmosphere has worked for me.

Q: You had only started in music well into your teens. Most people start much earlier, how did that affect your career?

A: I started in High School to be

interested in music and from there, I decided to study in college. Yeah, you're right, I did start late, but luckily because of my schooling I picked up a lot of ground pretty quick. And I started song writing pretty late too, actually. I was in college when I started to do song writing. I guess I made up a lot of ground work in the process. And to do what I've done, I've been very lucky, very blessed. I've felt so lucky, I wasn't worried about starting late, I just lived it and did my own thing without looking over my shoulder. I think I'm very lucky, given when I started everything, and the fact that I have a masters in music, and I've always worked in music, and that's what I wanted to do.

Q: In a recent interview, Paul McCartney once said, "The secret to the success of the Beatles was a very personalized approach, with words like I want to hold your hand, and Love Me Do". How does that relate to your career?

A: I think that's the key. If you write song and if you write music that's very sincere and very honest, it's pop music, but pop music with a lot of honesty and a lot of heart. For me, I can only do that from my own experience with people I've known and things that I've lived and experienced. That's what good pop music is all about, pop music that does reach out to people. It's very personalized and very real, honest and sincere.

Okay Mr. Secada, thank you very much.

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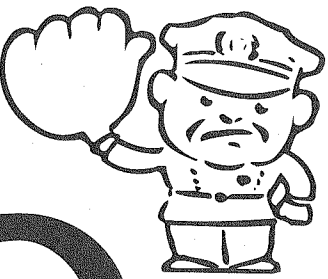


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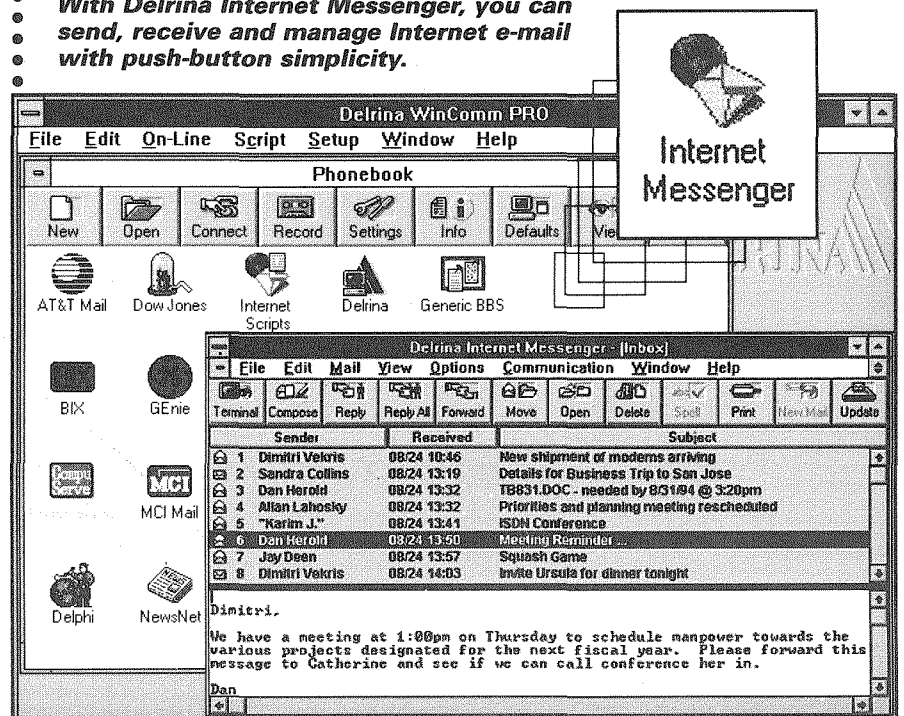
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SPORTS

Men's Tennis Wins Second Straight Match

by Ronak Bhatt and Jason Jenkins

The men's tennis team extended its winning streak to a total of two matches last Wednesday with a victory over La Verne before falling in a disappointing loss on Saturday at Chapman.

Caltech swept all six singles matches against La Verne, with wins posted by Chandra Das, David Park, Amir Alagheband, Ronak Bhatt, Jason Jenkins, and Dhazi Chen. Caltech's only loss of the day came in the first doubles, where Jason Jenkins and Mike Zeineh lost a tight two sets, 6-4,

7-5. The doubles teams of Ronak Blatt/Dave Bacon and Dhazi Chen/Ben Miller also posted wins to bring the final score to Caltech: 8, La Verne: 1.

In Saturday's tennis action, Caltech squared off against Chapman college and fared poorly. Their only win came in the first doubles as Chandra "The hammer" Das teamed up with David "But in front" Park to defeat Chapman's team of Famularcano and Baker.

Come and see Caltech's conference opener this Saturday at 1:00 pm as La Verne comes to our house.



Kee-rack! The Caltech Baseball Team had a good, enthusiastic showing against Claremont-Mudd on Saturday. Come this Saturday at 11:00 a.m. as we come up against La Verne!

The Scabs of Summer

by Mason A. Porter

Oliver North stated during his trial that "Life is like a baseball game." One is out upon the receipt of three strikes, and one's goal is inevitably to come home. The similarities are also striking in other manners. Just as one cannot go on strike against life without drastic consequences, the workers of baseball may soon learn that the same is true in their idealized world.

Spring training began late last week for each of the Major League Baseball teams. The only players to show up, however, were minor leaguers, a few people who might be able to earn a spot on somebody's roster under normal circumstances, has-beens, and never-weres hoping to earn a spot on the major league roster. Some of the minor leaguers are legitimate prospects. They, however, will not be used as strikebreakers by most teams, because there will be deep divisions among teams in the future if scabs have to play alongside the players who are currently striking.

There are few members of the second category. One notable example is Casey Candaele, formerly a utility player with the Astros and the Expos. He spent seven years in the majors and performed adequately. He is attempting a comeback with the Dodgers. Ironically, he was the Astros player represen-

tative for four years. Last week, Candaele stated that he was only going to attempt to make the team in spring training and would not play during the season if the players were still on strike. He is reconsidering his decision, however, as Donald Fehr, head of the Major League Baseball Player's Association, has enunciated a policy that would consider any person who played in any Spring Training game (excluding minor league ones) to be a scab. This leaves players such as Candaele fewer options. If he does not play in spring training, he will not have any chance to play for the Dodgers or any other team. He does not possess a high level of income, and therefore has a tough decision to make.

The remainder of the scabs are the "has-beens" and "never-weres." Some of the latter category actually play in the double A and triple A minor league levels. They had lost their prospect status, however, long ago, existing professionally as minor league reserves just there to fill the roster and give the real prospects a rest. The bulk of the replacement major league players will come from these ranks. The "has-beens" are perhaps the most interesting category. These players once had the ability to play in the major leagues (some, in fact, played quite well), but lost it long ago. One such player is Dennis (Oil Can) Boyd, who was hindered by injuries throughout his major

league career, spent primarily with the Montreal Expos and Boston Red Sox. He never really got along with anybody during his career and consequently doesn't care who he offends. He feels he was forced out of baseball and wants to return any way he can, the strike and the major leaguers be damned. Other players in this category who might become replacement players (although they vehemently deny it) are Pedro Guerro and Leon (Bull) Durham.

There have been some startling recent developments in the saga of the players versus the owners. Manager Sparky Anderson of the Detroit Tigers took an unpaid leave of absence two weeks ago. He became the first manager to refuse to deal with replacement players. The *Los Angeles Times* reported on Tuesday that this move could cost Anderson, second in seniority among Major League managers to Tommy Lasorda of the Dodgers, his job. Toronto Blue Jay management last month had announced that their manager, Cito Gaston, and his coaches would be withheld from working with replacement players because of potential morale problems when the striking players return. It seems that even management are treating the replacement players as something that is inferior, implying that baseball won't be worth much until the regular players come back. There are three teams (Orioles, Mets, and

Blue Jays) who voted against using replacement players and one (the Orioles) refuses to do so. They may not be playing in any games this year if replacements are required. Moreover, it looks like both the Expos and Blue Jays, according to the *Sporting News* will have trouble circumventing a Canadian law prohibiting replacement workers during a strike.

If the strike is settled before the regular season begins, baseball's fan base will be back to its previous level by 1996. However, this scenario lessens in likelihood with each passing day. If the strike is settled by June, it will take five years, and if it takes until August, at least twenty. Season tickets are being purchased at about seventy percent of normal level. The only teams which have sold tickets even near last year's level (such as the Orioles) are the ones who are offering some sort of rebate in the event that replacement players are used. In fact, the renewal level has only reached this high a level because nearly every team is offering some sort of discount for replacement games. Baseball fans such as myself now lie in a state of dormancy. This is the first year in over fifteen that Spring Training actually snuck up on me. I am usually counting the days six weeks before its scheduled beginning. Instead, the only baseball news is this horrid strike.

There is very little optimism

among either management or the players that the strike will end soon. Donald Fehr has been his cynical self, which harms player management relations further and prolongs the strike. His ego is as cumbersome as that of the owners. William J. Uesery's attempted mediation has thus far failed. Many Congressmen are (again!) proposing repealing Major League Baseball's antitrust exemption. The players and owners each have suits against the other party pending with the National Labor Relations Board. In the beginning, there may have been chaos, but entropy certainly prevails today.

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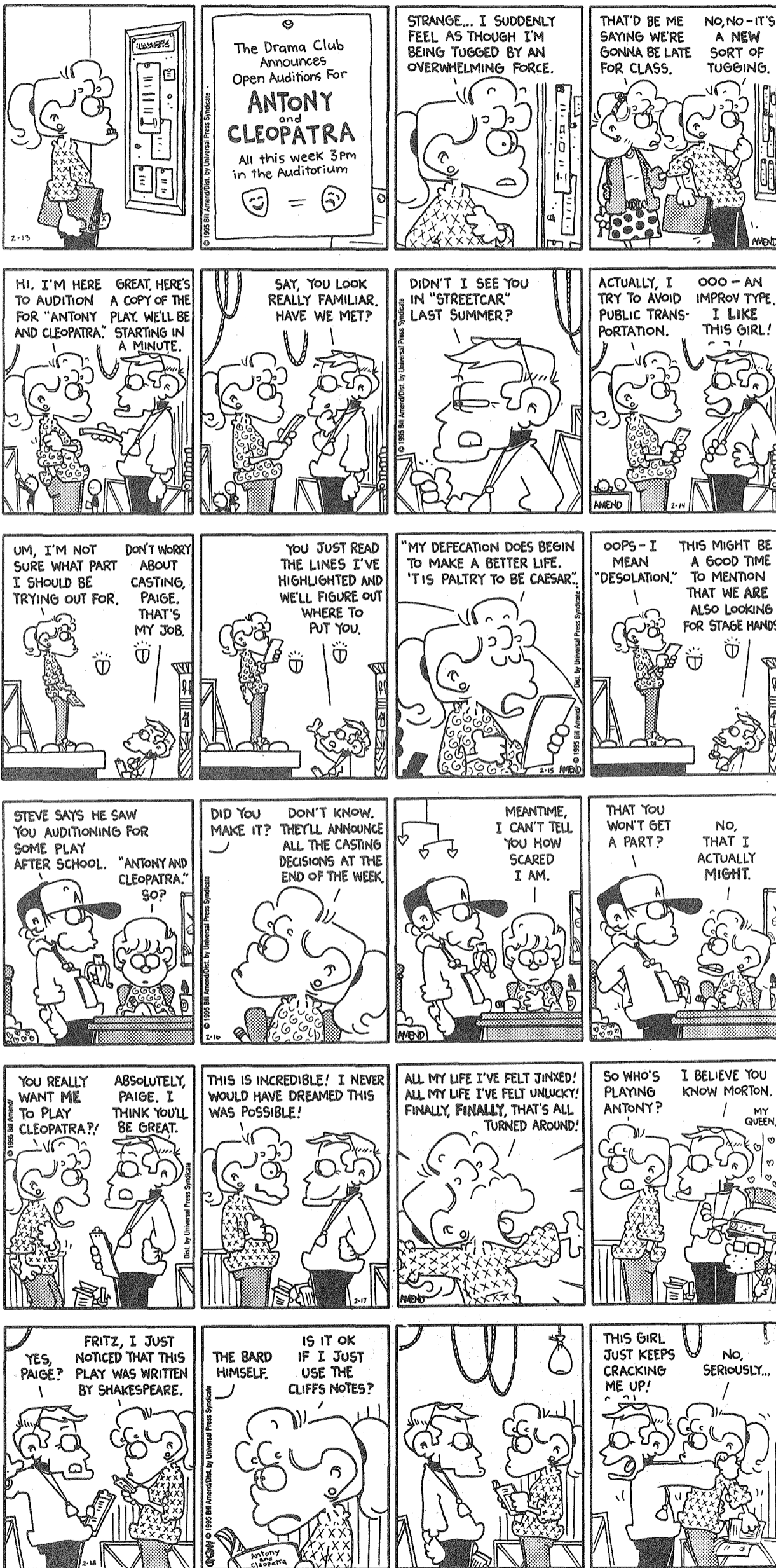
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KAPLAN

FOXTROT

by Bill Amend



ADAM VILLANI: MEDIA GUY

by Adam Villani

The Shawshank Redemption



Last week the Oscar nominations were announced, with *The Shawshank Redemption* pulling in a surprising seven nominations, including Best Picture. While *Shawshank* is a solid and memorable motion picture, it's apparent that the Academy was much more impressed with it than I was. The story, adapted from a Stephen King novella, concerns a banker (Tim Robbins) sent to prison for a crime he may or may not have committed and his efforts to not give up hope in the oppressive prison environment.

Morgan Freeman was once again nominated for the Best Actor award for the type of role the Hollywood establishment is comfortable with blacks playing; tellingly, Robbins was overlooked for a much more original and interesting role as an intelligent and educated man learning to survive in prison. Also note that for *Pulp Fiction*, John Travolta is competing for Best Actor, while his black co-star Samuel L. Jackson, with practically the same amount of screen time and number of lines, is up for best Supporting Actor. Granted, Jackson is less of a well-known name, but something is still a bit fishy here.

But I digress. *The Shawshank Redemption* is moving and uplifting, but first-time feature director Frank Darabont (rightfully absent from the list of Best Director nominees) lets his inexperience show; he never shows us without feeling the need to show us again, and when he isn't sure we've got the message, he has Freeman come in and tell us what's happening in a voice-over. The sadistic warden (you knew there had to be one) inexplicably shifts from being a generic jerk to being as irrationally evil as a Nazi prison camp commandant when Robbins gets a chance to be set free. Maybe it's the fault of the original story, but better direction and screenwriting could have corrected this problem. That's really the only problem I had with the script, though; the movie is entertaining but overlong, and intriguing while simplistically directed. If you're not overly critical, you're likely to love this movie, but don't be fooled by the seven Oscar nominations into thinking this production is flawless. Return engagements start today at the AMC Old Pasadena and the Pacific Hastings.

Shallow Grave

This great new movie from Scotland has become a big hit in Great Britain, and it's easy to see why; it's the best, most exciting thriller I've seen in a long time. Three young flatmates (Kerry Fox, Christopher Eccleston, and Ewan McGregor) take in a fourth member of the household who promptly dies his first night in the apartment. When they find a suitcase full of money under his bed, they decide to mutilate and dispose of the body, overconfident in their abilities to elude the police and unaware that two other criminals are looking for the dead man. As things heat up, our three protagonists begin to turn on one another, each one with a different plan for what to do with the money and different ideas on whether (or how) to eliminate their friends from their plans.

The script and direction are extremely tight; the camerawork and modern music firmly establish this picture as a tense, energetic, and stylish piece whose young, professional, yet egotistical characters are more interesting than the whiny slackers we get inundated with here in the States, and are more tragic when their selfishness finally gets the best of them. A few times the motivations of specific actions were somewhat murky, but overall this film is as strong as they come. This adrenaline-pumper is playing locally at Laemmle's Colorado.

"House of Buggin'"

Yecchh. In their Sisyphean quest to fill the Sunday after-Simpsons slot, the Fox network has come up with this drivel that plays like a Latino version of "In Living Color's" worst moments and asks the audience to make as many "rude and ill noises" (read: "retching") as they want. I'd ask why there aren't any good Latino shows on network TV, but an even bigger problem is that there are hardly *any* good shows on network TV. At least it's better than the ceaseless O. J. coverage.

Where can I find Tom Lechner's work?

I'm sure you've been asking yourself that same question every day since my good friend Mr. Lechner's demented cartoons stopped being published in the Tech last year, so you'll be happy to know that you can find Tom's work in the latest issue of *Subliminal Tattoos* magazine, which you can find at Penny Lane records. *Subliminal Tattoos* seems like a fairly decent pop culture magazine, with some interesting articles and good cartoons, so check it out, and don't say Media Guy doesn't do shameless plugs.

Theater Arts reminds you that the auditions for the TACIT spring production *Assassins* are taking place Friday, Saturday, and Sunday—see the announcement on page 12 for time and place.

Bridge Without Sam

The First Board

by Jeff Goldsmith

For some reason, the first round of a tournament often sets the tone for the whole day. Sometimes, I am not yet concentrating and suffer a lapse on the first round. The only round worse is the last. Better discipline would help, I imagine. Or more sleep.

Today, I am playing with a very good partner on a strong team in an 8-round regional Swiss. As usual, I draw the strongest team in the field in the first round. I am on a long streak of doing that. The good news is that this isn't a knockout for a change. Drawing this team in a KO is a good way to get the evening off.

On the very first board, I am faced with problems. I deal at favorable and hold

- ♠ AJ843
- ♥ Q107
- ♣ K2
- ♦ QJ4.

I open 1♠ and LHO overcalls 2♦. Partner bids 2♥, which we play as fairly strong. RHO raises to 3♦, and I have an easy call: 3♥. LHO is quiet and partner bids 3♠, which means he has three spades and five hearts and a game forcing hand. Even though partner is a masterful player of the dummy, I choose to play with spades as trump to protect my ♦K from the lead, so I finish the auction with 4♠. West leads the ♦Q, and I see that this hand is not cold.

- ♠ 1095
- ♥ AK632
- ♣ 7
- ♦ A1042

	N	
W		E
	S	

- ♠ AJ843
- ♥ Q107
- ♣ K2
- ♦ QJ5

SOUTH	WEST	NORTH	EAST
1♠	2♦	2♥	3♦
3♥	Pass	3♠	Pass
4♠	Pass	Pass	Pass

East wins the first trick with the ♦A and thinks for quite some time, as do I. I have four potential losers: two spades, one diamond, and a club. It appears as if the spades are offside, and the club is onside, since after the ♦A is seen to be in the East, there are only 9 high-card points left for the vulnerable overcaller to have without the ♣K. East must have raised on just a good diamond fit. East eventually returns the ♣6. This is odd. Why would he do that? Wanting an entry to dummy, I play small on this trick and West contributes the seven with a look of disgust on his face. For a pair of pros, these guys are not acting very confident. I win the club with the Ten and track the ♠10. There's no good reason not to duck this, so I let West win the Queen.

He quickly puts the ♣3 on the table and I have to decide between two lines of play. I can take the club finesse and draw trumps or I can play for a heart discard of my third club. The count suggests to me that I ought to take the finesse, but these guys' table action has convinced me otherwise. I am certain that the club finesse is not working, so I fly with the Ace, cash the trump Ace (nothing good happens) and play hearts. West ruffs the third heart (uh, oh) and continues with...a diamond. Good news! I ruff my good diamond, and cash a fourth heart, shedding my last club and claim the contract. Every card was offside, yet I still managed to make the hand.

West is not happy with East. His initial salvo begins something like, "you idiot, can't you shift to a spade like a human being?" Hopefully, neither will trust the other for the rest of the match, but it was not to be. They calm down and play very well for the rest of the match, and we lose the first match 32-2. We shall have to do very well indeed for the rest of the day to win this event. Almost—we manage second, although not to this team! I wonder what happened to them.

When I got back to our teammates' table, I hear them discussing this hand. The "discussion" begins "you moron, can't you shift to a spade like a human being?" I guess it must have been a difficult hand to defend.

DILBERT®

by Scott Adams

(In Which Dogbert Claims to Have a Degree from MIT)

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I HIRED A TEMP TO WALK AROUND AND FLAP HIS ARMS SO THE LIGHTS WON'T GO OFF.

ANOTHER JOURNALISM MAJOR ENTERS THE WORKFORCE.

IT SEEMS LIKE A WASTE. MAYBE HE COULD FAN US.

ALICE, I'M ALMOST DONE WITH YOUR PERFORMANCE APPRAISAL.

I HAVEN'T HAD AN APPRAISAL IN FOUR YEARS. YOU MUST BE STARTING A DOCUMENTATION TRAIL SO YOU CAN FIRE ME LATER.

I'LL WORK 24 HOURS A DAY!!

THAT WAS WAY MORE MOTIVATIONAL THAN I'D HOPED.

I'M TERRIFIED ABOUT MY PERFORMANCE REVIEW TOMORROW.

MEN HAVE IT EASIER. YOU'VE BEEN CONDITIONED BY YEARS OF REJECTION AND GENERAL DISDAIN.

WE'RE LUCKY THAT WAY.

OVERALL, I RATED YOUR PERFORMANCE AS "SIMIAN."

THANKS!

I'VE REPLACED THE OLD RATING SYSTEM WITH A FRIENDLIER METHOD. NOW I COMPARE EACH OF YOU TO AN ANIMAL WITH SIMILAR TRAITS.

I RATED YOU "TYRANNOSAURUS REX."

T. REX - THE MIGHTIEST DINOSAUR!!

THINK IN TERMS OF BRAIN SIZE.

Notices

NEW FREE FOR SENIORS!!!!
Now that we have your attention, today is the deadline for turning in senior pictures to the *Big T!* If for some reason you have not turned in a senior picture yet, you must contact the yearbook office through either e-mail (big-t@cco), phone (x2183, x1543), or send a written request for reserving a space for your senior picture in the yearbook and a date you can turn in a senior picture in by. The Big T has a limited number of pages, and we will provide senior spaces on a first come, first serve basis.

NEW The Alumni Association is sponsoring small lunches for alumni, students, and faculty. Any student or small groups of students interested in meeting alumni and having lunch with them are welcome to call Karen at extension 6593 or to e-mail her at karen_carlson@starbase1.caltech.edu. The Alumni Association also has funding available for student organizations that encourage interaction

between students and alumni. Please contact Karen for more information or to get an application form. The application deadline is March 15th, with funding to be approved by the Student/Faculty/Alumni Relations Committee of the Alumni Association Board of Directors.

The Totem is now accepting submissions! All undergraduates, graduates, and faculty are welcome to submit poems, short stories, essays, photos, art, music, or any original com-

positions. *The Totem* is also looking for a creative cover design for this year's volume. Designs should be drawn in ink and be 8 1/2" x 11". Please limit designs to two colors. The winner will receive \$25 and a free, autographed copy of *The Totem*!! The deadline for both talent searches is April 14th. Send all submissions either by e-mail (totem@tech.caltech.edu), mail (MSC 990), or by foot (Page, room 132).

Sharyn Slavin, Assistant Vice President for Student Affairs, and Stan Borodinsky, Student Affairs Administrator, invite you to stop by the

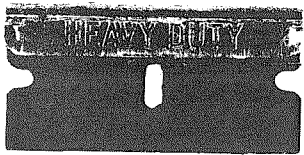
Coffeehouse on Friday afternoons from 2 to 4 p.m. to talk with them. All students are welcome, and free drinks will be available. Please drop by and get to know Sharyn and Stan. They will be happy to answer questions or provide assistance.

The AIDS Service Center presents "Just Say Know," a free educational support group that will explore different topics related to HIV and AIDS. "Just Say Know" will meet every Tuesday from 6:30 to 8:30 p.m. through March 21st at the AIDS Service Center, 126 West Del Mar

Boulevard, Pasadena. To participate, call Tom Drake at (818) 398-4553.

The Caltech Muslim Student Association will hold Muslim Friday Prayers weekly in the Y-lounge at 12:15 p.m.

"Take a Break and Spend Some Time with Friends." The office of the International Student Programs would like to invite you to our Open House for coffee, tea and conversation. Every Wednesday from 4:00 p.m. - 5:30 p.m. at the office of International Student Programs, Olive Walk. Open to the entire Caltech community.



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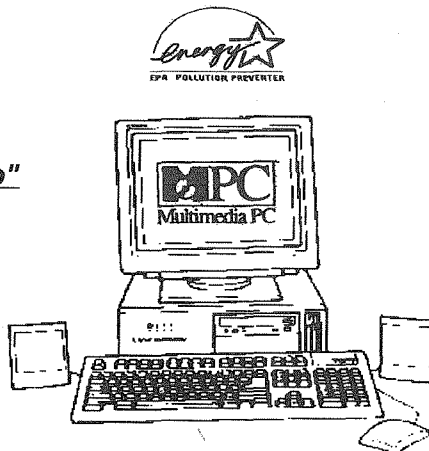
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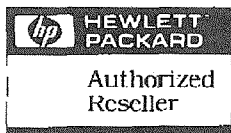
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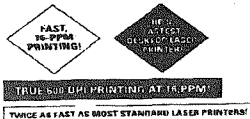
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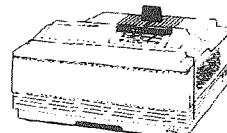
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From the Counseling Center

▲The Counseling Center is continuing its series on relationships with its presentation: "Let's Just be Friends" on Tuesday, February 28th, between 7:30 and 9:00 p.m. in the Winnett Lounge. Aimee Ellicott, Ph.D., and Jon Pederson, Ph.D., Counseling Center Psychologists, plan to address the problem of affection that is not mutual. They will discuss the common dilemmas that arise when people have different hopes and desires in a relationship, and will present practical tools for handling such situations.

The Gay, Lesbian and Bisexual Support Group meets the first and third Tuesdays of each month at 7:30 p.m. in the Health Center Lounge. This confidential meeting is open to all Caltech community members looking for a supportive context in which to address questions and concerns about sexual orientation — including coming out, being out, self-discovery, coping with families.... We begin with a focus topic but move to whatever is feeling most relevant to the group that night. Refreshments are served. For information, please call 395-8331.

Coming Events

The Caltech Folk Music Society presents a performance by the acclaimed folk singer Utah Phillips on Sunday, February 26th, in Dabney Hall at 7:30 p.m. Called a "minstrel...comic...philosopher. An absolute iron clad classic," general admission for this show is \$12.50 for general admission, \$4.00 for Caltech students.

▲The Winter Choral Concert, sung by the Caltech Glee Clubs and the Caltech Chamber Singers, will be held on Friday, March 3rd, in Dabney Lounge at 8 p.m. This free concert will include Purcell's "Come, Come Ye Sons of Art," Stravinsky's "Mass, Symphony of Psalms, mov. III," and Britten's "The Ballad of Little Musgrave and Lady Barnard."

▲The Children's Center at Caltech will be presenting a benefit concert, "An Evening of Chamber Music." The Hye Art Piano Trio will perform works of Tchaikovsky, Mendelssohn, and Babadjanian. The concert will be held on Saturday, March 4th, and 8:00 p.m. in the Dabney Hall. Tickets are \$20.00 a piece.

The Arditti String Quartet will give a Coleman Chamber Music Concert on Sunday, March 5th at 3:30 p.m. in the Beckman Auditorium. Included in the program will be Dutilleul's Ainsli La Nuit; Gubaidulina's Quartet No. 3; Nancarrow's Quartet No. 3; and Berg's Lyric Suite. Fifty tickets to this concert will be available to Caltech students with identification. (limit two tickets per I.D.), available from the Caltech Ticket Office north of the Beckman. Tickets are regularly priced from \$12.00 to \$22.50.

▲The Eaken Piano Triowill give a free concert on Sunday, March 12th, at 3:30 p.m. in the Dabney Lounge. This Paco A. Lagerstrom Chamber Music Concert will include Haydn's Trio in A-flat, Hob XV:14; the world premiere of Lalo Schifrin's "Hommage à Ravel"; and Mendelssohn's trio in D-minor.

▲The Pasadena Center will be holding a Star Trek Grand Slam Convention from March 17th through March 19th from 11 a.m. and 6 p.m. This convention will "celebrate three decades of television's favorite interstellar phenomenon when a galaxy of stars from all four Star Trek incarnations come together." The convention will host guests Avery Brooks, George Takei, Brent Spiner, Kate Mulgrew, John DeLancie, and Majel Barrett, and William Shatner. Tickets to the convention will be \$35 for Friday, \$40 for Saturday and Sunday.

Talks, Lectures, and Seminars

There will be another Science, Ethics, and Public Policy Lecture given by Gregg Zachary, Staff Writer on *The Wall Street Journal*, entitled "Vannevar Bush: Architect and Victim of the Postwar Scientific Order" on March 2nd at 4:00 p.m. in the Judy Lounge.

▲Dr. Lee-Lueng Fu, senior staff scientist at the Jet Propulsion Laboratory, will give a Ernest C. Watson Caltech Lecture entitled "The Ocean and Climate: Observations from Space" in the Beckman Auditorium at 8 p.m. on Wednesday, March 8th. Admission for this lecture is free.

▲Held by the Women's Center, there will be a course in self defense given in the Winnett Lounge on Tuesday, March 14th, at 5:00 p.m. All those interested

Announcements

▲ denotes a new announcement. Notices have been moved to page 11.

in attending are asked to reserve a place by calling the Women's Center at x3221.

Club Announcements

"Los Angeles Lakers versus Charlotte Hornets": The Office of International Programs invites you to watch this exciting NBA Game on February 24th at 7:30 p.m. at the Great Western Forum in Inglewood. Tickets are available to international students only. Please stop by the ISP office between February 13th and February 17th to place your name on the lottery list, or sign up via e-mail at jun@pcmail.

The Theatre Arts at California Institute of Technology announces auditions for the production of Steven Sondhiem's *Assassins*, a controversial musical about the history of Americans who kill. There are currently about twenty-one roles available of various age ranges, including one male child and several non-singing roles. Auditions are scheduled on Friday, February 24th between 7:30 p.m. and 10:30 p.m., Saturday, February 25th between 1:00 p.m. and 5:00 p.m., and Sunday, February 26th between 1:00 p.m. and 3:00 p.m. Auditions will be in Ramo Auditorium on the Caltech Campus. All auditioning will be asked to be prepared to sing and dance. The production also needs instrumental musicians, especially trumpet, trombone, and woodwinds, as well as technical help. The performances will be from May 26th through June 4th. Please stop by the auditions if you are interested, or phone "TACT" at x6259 for more information.

▲The Caltech Film Program presents Dustin Hoffman in the humorous Western saga, *Little Big Man*, on Monday, February 27th, at 7:30 p.m. in Baxter Lecture Hall. This film tells the story of George Custer and the battle for Little Big Horn from an Indian point of view. Professor Robert Rosenstone will lead a discussion following the film. The Caltech community is welcome.

▲The Caltech Ballroom Dance Club is now offering free beginning ballroom classes to all. The classes will resume on Monday, February 27th, at 7:00 p.m. in Winnett Lounge, and are to meet weekly at that time thereafter. No experience and no partner is necessary to join in on the classes. On February 27th, we will learn the merengue, and in future classes we will cover the rumba, cha-cha, fox-trot, and swing. For more information, contact Bob Herman at rherman@arms.gps.caltech.edu, or at 393-4720.

▲The Caltech IEEE Student Branch will be having a meeting at 12 noon on Wednesday, March 1st, in Winnett Clubroom 1. This is a great opportunity to chat with some of the EE faculty; snacks and drinks will be provided.

The Caltech Swedish Club will meet at 3 p.m. on Sunday, March 5th, at 2508 3rd Street, Apartment 8, Santa Monica to drink coffee and eat "semlor" and Swedish cookies. Anyone interested in Scandinavian culture or speaking Swedish is welcome. For more information please contact either Lars Svensson, at (310) 450-4008 or at e-mail svensson@isi.edu or Lena Peterson at extension 6994 or e-mail lena@pcmp.

The Caltech Folk Music Society are looking for more volunteers to help with mailing and publicizing their concerts, "learning how to engineer the sound system, setting up before and tearing down after the concerts in exchange for free admission and a great opportunity to schmooze with guitarists, songwriters, and bluegrass musicians. If you are interested in giving a few hours a month, or would like to receive announcements for each concert, give Rex a call at 791-4583.

Internships and Competitions

▲The Literature faculty is pleased to announce the 49th Annual McKinney Competition. The Mary A. Earl McKinney Prize is awarded each year for excellence in writing. Only full-time students officially registered at Caltech as undergraduates are eligible to enter the competition. This year prizes 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 prose fiction should not exceed 12,000 words. Essays may be ones prepared for a humanities class or any good piece of original writing on a topic relevant to the humanities. The prizes in each category

will be \$300. Each student is entitled to only one entry in each category. All contestants must submit their work to Professor Jenijoy La Belle, Division of the Humanities and Social Sciences, 101-40, by no later than May 4th. No entries will be returned. Each category will be judged by a committee from the Literature faculty. Essays will be judged on the quality of thought and the effectiveness of the writing. Winners will be announced the last week of May, and the names of the winners will appear in the commencement program. The Committee may divide the award in each category in case of more than one outstanding submission. Previous winners in any one category are not eligible for the competition in that category. If you have any questions, contact Professor La Belle at extension 3605, or Barbara DiPalma at extension 3609.

▲The 1995 Hydro Power Contest provides students throughout North America an opportunity to demonstrate their engineering prowess, ingenuity, and mechanical skills while competing for recognition and thousands of dollars worth of scholarships, cash, and prizes. To participate in the competition, contestants are required to construct a device that converts the gravity potential of water into mechanical power. Competitors can either design a device producing maximum power or maximum efficiency. College students, as well as other interested individuals, are invited to enter this contest, which is being sponsored by over 37 governments, utilities and government organizations in the U.S. and Canada. The contest will be held during the Waterpower '95 conference in San Francisco, July 25th through 28th. To enter, competitors must purchase a turbine kit for \$15. To purchase a kit or receive more information, contact Laura Smith-Noggle at 410 Archibald Street, Kansas City, MO, 64111, or at (816) 931-1311.

The Deans' Office is accepting proposals for the Monticello Foundation Internship. Three Caltech undergraduate women (current freshmen, sophomores and juniors) will be given an opportunity to participate in research projects outside the Caltech-JPL community for ten weeks during the summer. Each student will receive a \$3,600 stipend. Applicants are required to identify the projects in which they wish to participate. All arrangements with the principal researcher will be the responsibility of the student. If you are interested, simply identify a sponsor for your experience at a research facility for a ten-week period. In a short essay, describe your project, and submit it to the Deans' Office, 102 Parsons-Gates, along with two faculty recommendations. Proposals are due by March 3rd.

▲The John Locher Memorial Award Competition will be holding their ninth annual Editorial Cartoon Contest for amateur cartoonists between the ages of 18 and 25. Sponsored by the Association of American Editorial Cartoonists, the award winner will receive an all-expense paid three-day trip to the AAEC cartoonists convention in Baltimore. To enter, simply submit clean photo copies of your best four editorial cartoons to Dick Licher, room 444, The Chicago Tribune, 435 North Michigan Ave., Chicago, IL 60611-4041. The deadline for this competition is April 1st.

Fellowships and Scholarships

The Financial Aid Office has applications and/or information on the following and additional scholarships. All qualified students are encouraged to apply. The Financial Aid Office is located at 515 S. Wilson, second floor.

The American Chemical Society is pleased to announce a Minority Scholarship Program to African-American, Native American, and Hispanic students. Eligible students must be currently freshmen, sophomores, or juniors who are enrolled in chemistry, biochemistry, or chemical engineering programs. Scholarships of up to \$2,500 a year will be given for the sophomore year; students who will be juniors and seniors in 1995-96 will receive up to \$5,000. Interest in chemistry, biochemistry, or chemical engineering, demonstrated potential for success, and financial need will be considered in evaluating the applicants. Additionally, eligible students must be U.S. Citizens or permanent residents, and must have a minimum GPA of 3.0. To obtain an application, or more information, phone 1-800-227-5558 (then press 9, press 3, press 5). Applications are due March 1, 1995.

The Society of Manufacturing Engineers announces the availability of 41 scholarships for undergraduates, and 10 graduate fellowships. All of the undergraduate scholarships require applicants to be full-time, second year students with a minimum G.P.A. of 3.5. Forty of the scholarships are being offered to students who are enrolled in a degree program in manufacturing engineering or manufacturing engineering technology. One scholarship is available to a full-time student seeking a career in robotics/automated systems. The graduate fellowship is offered to a student in a graduate program for manufacturing engineering or manufacturing technology. Applicants for the graduate fellowship must have a minimum 3.5 G.P.A. and must have proven scholastic ability, exemplary character, and leadership capability and who have demonstrated their potential for future leadership in the profession. Completed applications are due March 1, 1995.

The Marin Education Fund is offering grants to Marin County Residents who are undergraduates enrolled at least half time. Specific criteria for grants and scholarships vary. Applications are available from the Marin Education Fund, 1010 B Street, Suite 300, San Rafael, CA 94901, (415) 459-4240. Applications must be postmarked by March 2, 1995.

Green Hills Software annually awards several merit scholarships in the amounts of \$2,500 and \$5,000 to Caltech undergraduates who have demonstrated ability and special aptitude in computer science. Those awards are for the Junior and Senior school years. In addition, Green Hills will award one or two Undergraduate Fellowships consisting of a Senior year scholarship plus a \$6,000 summer internship for the preceding summer. All awards are merit awards, given without regard to financial need. Any student currently holding a Junior year award must reapply in order to be considered for a Senior year award. The deadline for submitting the Green Hills Scholarship application to the Financial Aid Office is March 10, 1995. Applications are available at the Financial Aid Office, 515 S. Wilson, and the Dean's Office, 102-31.

The American Scandinavian Foundation of Los Angeles (ASF/LA) is awarding four \$1,000 scholarships to undergraduate and graduate students with a demonstrated interest in Scandinavia. Applicants must have strong academic qualifications and must show financial need. Two letters of recommendation, appropriate transcripts, and the completed application are due by March 15, 1995.

The American Association of University Women, Danville-Alamo Branch, will be awarding several scholarships of \$500-\$1,000 to female students who will be juniors or seniors in the 1995-96 academic year, and who are from the San Ramon Valley (Danville, Alamo, San Ramon, or Diablo, CA). For more information or an application packet, send your request with a \$52 stamped, self-addressed large envelope (minimum 9" x 6") to: Janet Lather, 703 Contada Circle, Danville, CA 94526. Completed applications must be postmarked by March 31, 1995.

The Sunkyoung Group of Korea presents its Third Annual Essay Contest for undergraduate and graduate students in the areas of business, government/law, science, and journalism. There will be four \$500 awards, four \$1,000 awards, and four \$2,500 awards. The \$2,500 award winners will also receive a one-week trip to Korea. Past winners of the essay contest are not eligible to compete. Guidelines for the essay contest are available at the Financial Aid Office. All contest entries must be postmarked no later than April 7, 1995.

The Chinese-American Educational Foundation is offering scholarships to graduate and undergraduate students of Chinese descent. All applicants must be full-time students in 1995-96, and have at least a

3.0 GPA, and undergraduates must have completed at least one year of study. Completed applications must be received by April 10, 1995.

The Jewish Community Foundation and The Jewish Vocational Service have scholarship applications available now for several different scholarships under their administration. The scholarships are designed to provide financial assistance to Jewish students who are legal residents of Los Angeles County, enrolled full-time, and are able to document significant financial need. Application forms may be obtained from Jewish Vocational Service until March 1, 1995. Write to: Room 303, 6505 Wilshire Blvd., Los Angeles, CA 90048, or call (213) 653-2858. Completed applications are due April 13, 1995.


The American Women's Club in Sweden announces that a travel grant will be awarded for study and research in Sweden. The amount of the grant will be equivalent to the cost of an APEX round-trip ticket between New York and Stockholm. To qualify you must be: an American citizen; female, age 18 or over; accepted for a period of study or research at a Swedish educational institution or agency; and show evidence of need. The completed application and all supporting documents is due no later than April 15, 1995.

▲Juniors and sophomores are encouraged to attend a meeting where fellowships for graduate study in the U.S. and abroad will be discussed at 12:00 noon in the Winnett Club Room 1 on Friday, March 24th. Fellowships such as the NSF, Marshall, Rhodes, Hertz, and Fulbright will be discussed. If you would like to attend, please e-mail your name, class, and major area of study to: Lauren_Stolper@starbase1.caltech.edu by March 22nd. Please call x2150 for more information.

▲Traveling abroad this summer? Then pick up the newest edition of Student Travels Magazine in the Fellowships Office. The latest edition covers European train travel, volunteer work in France and Germany, snowboarding in Chile and Argentina, and how to get a job abroad. If you would like a copy sent to you through campus mail, e-mail your name and box number to Lauren_Stolper@starbase1.caltech.edu.

If you enjoy teaching and kids/teens in the K through high school range you might enjoy doing a Teaching Fellowship after graduation. Science and math teachers are usually in high demand, and many Caltech students have teaching or tutoring experience. A teaching fellowship can be a wonderful interim year and a great way to experience a different part of the United States. Some independent schools are residential and others are day schools. I have recently acquired a list of current teaching fellowship opportunities at independent schools. Typically fellows receive a stipend (approximately \$15,000 to 17,000 at a boarding school plus room and board). At a day school the fellowship will have a slightly higher stipend. If you would like a copy of this list, more information on these fellowships, or help applying email Lauren Stolper at Lauren_Stolper@starbase1.caltech.edu. Deadlines vary and can be as early as February or as late as June, so start exploring this fellowship now.

Attention undergraduates interested in the application of technology, innovation, or entrepreneurship: Spend next fall as a Lemelson Fellow at Hampshire College in Massachusetts. As a Lemelson Fellow you are part of a group of fellows from across the country. Each fellow participates in a special fellowship course that focuses on solving real-world problems using innovative ideas and technology. Fellows also choose courses at Hampshire and the other schools in the Five College Consortium (Amherst, Smith, Mt. Holyoke, Hampshire and U. Mass Amherst). This fellowship honors Jerome Lemelson who holds more patents than any other living American and the third largest number in American History. Lemelson, now 70, spent the majority of his career as a successful, independent inventor. Full-tuition and fees are paid for Fall 1995. The application deadline is March 15th, 1995. Email Lauren Stolper at Lauren_Stolper@starbase1.caltech.edu for applications.

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