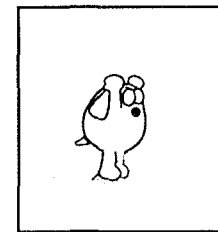


The Möbius Strip: Rob Rossi takes a look at the upcoming elections.

see page 2



Dilbert does not appear this week. Deal with it.

THE CALIFORNIA TECH

VOLUME XCVIII, NUMBER 7

PASADENA, CALIFORNIA

FRIDAY, 1 NOVEMBER 1996

Should Caltech forget US News?

BY AUTUMN LOOIJEN

US News and World Report's annual college ranking guide came under fire earlier this term when a group of students from top universities formed the Forget US News Coalition (FUNC), which encourages colleges to withhold information from *US News*. Albion, Michigan, Pittsburgh, Rice, and Stanford have already passed measures supporting the group, and ASCIT will consider the issue at next week's meeting.

"The value of a college education cannot be expressed as a magical number determined by a compilation of poorly measured factors," said Maryana Iskander, Rice Student Association Presi-

dent and a member of the coordinating committee of FUNC. "Even worse, people assume the rankings are statistically valid and use them in making life-changing decisions."

Despite FUNC's efforts, *US News* stands by its rankings, saying they are a valuable source of information for students considering college.

Some FUNC members say *US News*'s rankings have influenced administrative decisions at their schools, but this does not seem to have happened at Caltech.

"I don't pay much attention to the rankings — of course it's better to be ranked high than low, but... there are more substantive issues for the future of

Caltech," said Caltech President Tom Everhart. "It's not a priority to get a high ranking."

In the next two weeks the student governments at Yale, UC Berkeley, Smith, Mt. Holyoke, Harvard, MIT, Syracuse, Wesleyan, Carnegie Mellon, U. Chicago, Wisconsin, UC Santa Cruz, Claremont McKenna, and Princeton are also expected to vote on measures condemning *US News*'s annual college survey.

For more information about FUNC, check out their web page at <http://www-leland.stanford.edu/group/assulfunc/>, which contains links to articles about the group and a current list of colleges supporting FUNC.

CALL FOR PAPERS!

If you are an undergraduate who has written a paper on your research, the SURF Office would like you to submit it for possible publication in the Caltech Undergraduate Research Journal.

If you have questions, e-mail sbardhan@cco.caltech.edu.

Public Events has openings for (paid) student ushers. If you are interested, please e-mail Ramanuj Basu at rbasu@cco.caltech.edu.

The Coffeehouse is now hiring any and all interested students. Free food, no qualifications necessary. Contact Gina Armas at x6174.

Faculty serve up Sunday brunch for Avery

BY VICTOR HUANG

After enjoying an extra hour of sleep last Saturday night, Avery House residents awakened Sunday morning to the smells of fresh pastries wafting from the apartment of the Faculty-in-Residence.

Over fifty people found their way to Professor John Hall's apartment, which he shares with his wife Nancy and son Galen. Residents were greeted with a slew of treats, including delicatessen, pastries, fresh juice, and piping hot coffee. Professor Geoff Blake and his wife Karen, together with Professor Jeremy Kahn, helped organize the brunch, while Nancy Lan impressed with her culinary skill. Galen Hall and little Garrett Blake busied themselves by showing the visitors around and bringing them food.

Behind the apartment lies the little patio where picnic tables were set up and the hungry Avery residents sat down to enjoy their food and one another's company. Students had a great time sharing their irreverent humor with the faculty residents. The loudest discussion originated with Professor Kahn's musings about a dog having "Buddha nature." Said sophomore Xin Liu, "The brunch was very enjoyable, and I had fun chatting with the other residents. It was a great way to meet people, too."

The brunch is only the first



Professor Hall's wife Nancy prepares the feast.

in a series of social events planned by the faculty. Said Mrs. Karen Blake, "It's a nice way to get to know the students, and an easy way to entertain. However, Avery House is still in a growing stage." She outlined plans to organize dinner and dancing parties, where faculty members and students will get to mingle. She also mentioned that the cafe will be a great place for people to meet. She continued, "This is a beautiful residence and we want students to want to live here."

Social activities organized by other groups within Avery are also in the works. The RA,

graduate student Weng Ki Ching, has the usual dessert nights and social outings lined up, with sign-up sheets galore outside his door. A party planning committee has also been set up; they intend to continue the tradition of spirited on-campus parties, and appear poised to spring a surprise any time now.

With this successful brunch, the faculty residents have shown their commitment to improving Avery residents' quality of life, and helped Avery House on its way to becoming a diverse, yet cohesive, community.

FSC seeks student input in search for new Tech President

BY DAVE RELYEA

Caltech is currently in the process of searching for a successor to Tom Everhart, who plans

to step down next September. Two committees have been formed to find, select, and recruit the next President of Caltech.

The Faculty Search Committee, chaired by Kip Thorne, has been commissioned with finding a short list of candidates qualified for the position of President and relaying that list to the Trustees' Selection Committee.

Over the next several months, this committee will search for candidates for President. Nominations and suggestions can come from all members of the Caltech community, as well as the Alumni and Friends of Caltech. The search will encompass all "walks of life" — members of the military, the government, and industries will be considered, as well as people from outside universities and at Caltech. Due to the secrecy involved in such a search, the names of the candidates will not leave the committee, and the

SEE PRESIDENT ON PAGE 6

Help choose Caltech's next President!

Julie Kornfield, Associate Professor of Chemical Engineering, is collecting information from graduate and undergraduate students. She can be reached at jak@cheme.caltech.edu.

If you send a nomination, please provide

- the nominee's name and identifying information, and
- the reasons you think this person might be an outstanding president.

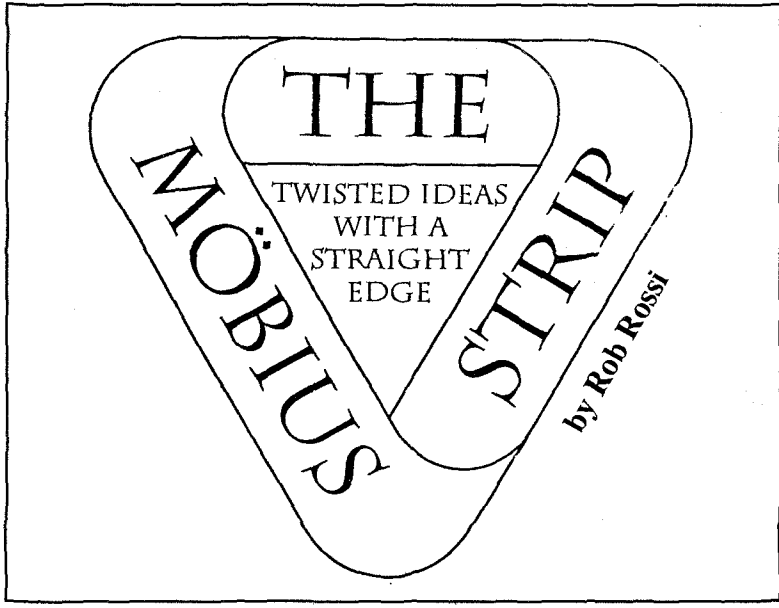
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As I hope you are aware, November 5 will mark your biennial chance to shape the leadership and laws of our nation. I can't let this event slip by without getting on my soapbox concerning a variety of political topics, so here goes... As you will hopefully understand by the time you finish reading this, I won't encourage you to vote on November 5. Instead, I'll encourage you to inform yourself about this nation's political landscape, and to give careful consideration to what you think should happen next. When, and if, such deliberations lead you to a penchant desire to voice this well-thought-out opinion in an election, I'm sure that you'll find your way to a voting booth or get that absentee ballot request into the mail. Otherwise, please don't feel obliged to "Rock the Vote."

"I don't want to waste my vote." — I hear this a lot, in fact I even used to say it myself. It's the textbook reason for not voting for a third-party candidate in America. But this year it's dawned on me that such reasoning isn't always solid. Here's why:

The two big political parties (and to a certain extent the Reform Party) are different from the smaller, "third" parties in many ways; but perhaps most importantly, they don't have rigid platforms. If a few planks of a big

party's platform need to be dropped off in order to win the election, they're gone. (This is not to say they won't pursue these objectives once in office, but they won't advertise their intent to do so beforehand.) Getting into office ranks well above the principles for which they (sort of) stand. Such flexibility seems to be necessary to win modern-day elections. Parties that really do stand for a cohesive ideological viewpoint, be they right, left, or center, don't really have a chance.

Yet I'm here to tell you that voting for such parties is not, even pragmatically, unwise. Let's pretend, for example, that you are a Libertarian at heart. (In case you don't know, Libertarians want to minimize governmental regulations of all types; not anarchy, but a very weak government, to be replaced by self-reliance and self-accountability. I think this approach is only truly viable in a utopian society.) Provided you subscribe to the "wasted vote" manifesto, the Republican Party can count on your vote, because they are most assuredly closer to your point of view than "the competition," the Democrats. Given that's clearly the case, they have no reason whatsoever to move in your direction: to take up with any seriousness a true effort at the massive legislation on your agenda. Instead, they will try to soften their sound, and

even the candidates they pick, to better attract independent centrist voters who aren't so keen on the ideas to which you subscribe. So long as they stay on your side of the major-party political fence, the Republican candidates can count on your help, and you can count on them to be better than "the alternative," but little more.

Suppose this year you and your fellow Libertarians actually decide to vote for Libertarian candidates. It is unlikely many, if any, of them will win. But by so voting you have identified yourself to the Republican Party as a voter they can't count on to subscribe to the "wasted vote" theory. They want to win the elections, and so it will behoove them to do what it takes to win your vote back. You will have essentially made a strong push for getting more of what you want onto the next Republican platform. . . and most likely had more success in swinging the nation toward your point of view than you would have had by voting Republican.

The same idea obviously holds for would-be adherents of other parties: Greens who are in-the-bag Democrats, Natural-Laws who are going to vote Reform, and so on. The Democrats have become less forest green and more money green year by year, and it's because they know they still look like spring buds next to the Republican party's dried tobacco. (Which is not to say you can trust the rhetoric: my district's Republican legislator commonly backs environmental regulation and research more than does the neighboring Democrat.)

Many of the third parties are running very strong tickets this year, without sacrificing their ideologies. (Too bad they have been shut out of the political discussion by the big boys.) Of course, the Reform Party wants to see billionaire Ross be Boss again; but the Greens have consumer advocate Ralph Nader (running a \$5000 ceiling campaign), the Libertarians

have financial author Harry Browne, and the Natural Law Party's Candidate is John Hagelin, Ph.D. (That's a Ph.D. in quantum physics from Harvard!).

I was surprised to find my "wasted vote" theorem echoed almost verbatim on the "Third Party Central" home page at www.freespeech.com/~3pc/. This page also offers a fantastic (albeit somewhat slow) "Presidential Candidate Matchmaking Service," which does a surprisingly good job of picking your brain and suggesting what parties you are most likely to find interesting. While they do not list every single party, they list a great many and offer a

tain that those who *don't* vote either feel hopelessly disenfranchised or can't be bothered to determine and voice their opinion on the future direction of our nation. The fact that someone *does* vote doesn't mean they necessarily think about politics.

I know plenty of folks who go to the polls out of a sense of duty more than an informed interest in shaping the nation's future. I see a certain aspect of the "Rock the Vote" campaign, namely the effort to make voting a "cool" thing to do, as an exacerbating influence on this problem. Are we to rejoice in a 10% increase in voter registration if the majority of the new voters vote for Bill Clinton because he has the best hair, or back Bob Dole because they heard that the current Vice President's wife is the leader of the Record Lyric Gestapo? To the extent that the "Rock the Vote" campaign encourages a new generation to investigate and think about how our nation works and where it's going, it's a good thing. But simply effecting an increase in the number of people who show up at the polls isn't a laudable goal, if the majority are just going there to "hang out and flip levers."

What You Don't Know Can Hurt Us All — Even if you are an "informed voter," it is unlikely you are familiar with every issue listed on your ballot. I vote absentee in Minnesota, and being far from home makes it all the more difficult to know about the challenges

SEE MÖBIUS ON PAGE

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Getting into office ranks well above the principles for which they (sort of) stand.

wide selection of links to follow to find out more. You might also want to take the "World's Smallest Political Quiz," at www.self-gov.org/. It provides an interesting map of where your opinions fall (in a somewhat Libertarian-stilted set of questions) relative to those of some of the candidates.

The Internet is most certainly a tool for democracy. Such access to information may indeed open the doors to information previously very hard to come by, and I encourage you to use it to fully explore the options that will be presented to you at the ballot box next week. Whatever your political colors, please consider flying them this year, and feeling good about who you voted for, for a change. Chances are there's a third-party candidate whose views resemble your own much more than do those of the two major parties. Even if they come nowhere near winning, you will not have "wasted your vote" if you let the donkeys and elephants know you are done settling for what they currently offer you.

***Note: Watch the polls, evil though you may feel they are. If California turns into a real barn-burner state, this may not be the year to make a statement. Your one vote really may make a difference, if Bob Dole manages to orchestrate the turnaround he's hoping for. But don't hold your breath. . . and try to avoid having to hold your nose when you vote this year.

"Rock the Vote" — Call me an old fart, but this voter-registration effort worries me. Sure, I get as twisted up as the next guy when somebody quotes the latest voter turnout results; the relatively low numbers indicate a lack of public concern and interest in this nation's political future. But it doesn't follow that high voter turnout is a good thing in and of itself. While one can be relatively cer-

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Final Round Interviews: March 1997

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TFM over MIT

The Physicians Committee for Responsible Medicine ranked top schools based upon daily availability of varied, low-fat, cholesterol-free, and vegetarian foods, at breakfast and dinner. For example, schools offering a daily variety of low-fat entrées and make-it-yourself bars ranked higher than schools with only a salad bar and steamed vegetables each day. A partial listing follows:

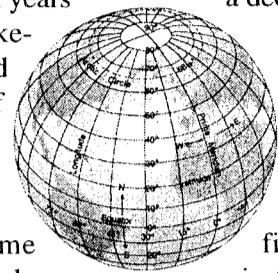
- | | |
|--|---|
| 1. Duke University | 14. Georgetown University |
| 2. University of Pennsylvania | 15. Pomona College |
| 3. University of Notre Dame | 16. Wellesley College |
| 4. Columbia University | 17. Harvard University |
| 5. Brown University | 18. Rice University |
| 6. Stanford University | 19. Southern Methodist University |
| 7. University of Kentucky | 20. Yale University |
| 8. Amherst University | 21. Dartmouth College |
| 9. University of Minnesota | 22. Massachusetts Institute of Technology |
| 10. Smith College | 23. Bryn Maur and Haverford Colleges |
| 11. Howard University | 24. Case Western Reserve University |
| 12. Arizona State University | 25. Washington University |
| 13. California Institute of Technology | |

The Outside World

by Myfanwy Callahan

GERMANY –
On Halloween Helmut Kohl surpassed Adenauer's record as Chancellor and became the longest serving Chancellor since Bismarck, who united Germany 125 years ago. His fourteen years in office have likewise been marked by a unification of the country.

DETROIT, MICHIGAN –
In efforts to control Devil's Night, 30,000 volunteers patrolled the streets of Detroit on the night before Halloween. This night has been marked by scores of arsons for more than a decade.



SOUTH AFRICA –
For the first time South Africa has taken a complete census. In the past, there were white only censuses, other partial censuses, or the number of households in some homelands was simply estimated from aerial photographs.

UNITED STATES –
Dr. Francis Collins, head of the Human Genome Project, formally withdrew five papers on leukemia that were printed in leading scientific journals because a junior colleague had fabricated data. The graduate student confessed to systematically fabricating data for the past two years.

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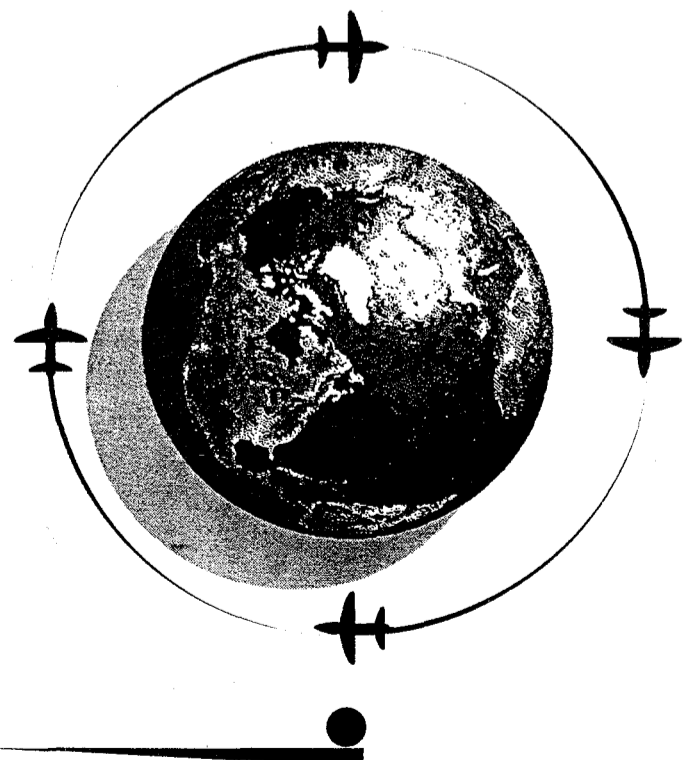
Monday, November 18

4:00-6:00pm

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Hosted by

Susan Moffet (BCG Los Angeles)



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|-----------|--------------|-----------|--------------|-----------|-----------------|-----------|------------------|
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MÖBIUS: Rob takes a look at this week's elections

CONTINUED FROM PAGE 2

in the sheriff's race, or why the incumbent third district judge isn't seeking reelection. As a result, I abstain from voting on those races with which I am unfamiliar: even if only one candidate is listed on the ballot. Often the temptation is to vote anyway, either along party lines or simply for the incumbent. Having some faith in my fellow citizens, I prefer to leave decisions on issues I know nothing about to others. If this leads to some major Bozo getting elected, I'd darn well better get my act together and be more informed for the next election. But you would have to have a pretty dark opinion of your fellow voters to believe that your casting an essentially random vote will lead to a better person getting elected. So I beg of you, when you vote, only vote on those races and issues of which you have a solid understanding and knowledge; if you haven't been able to take the time to learn about an issue, you shouldn't be making a decision for those who have.

In some states (like MN) this advice does not carry over to ballot initiatives (e.g. California's Prop 209), because not voting on them constitutes a "no" vote: they have to be ratified by a majority of those who cast a ballot in the election. However, in California this advice is still sound. California propositions need only be ratified by a majority of those expressing an opinion on that particular ballot measure, and so not voting

on a given proposition will not tilt its chances for ratification in one direction or the other. [Section 10(a), Article 2, CA Constitution; my thanks to Arnel Fajardo for the information.]

I Have a Proposition for You — Speaking of those "Props," let me say that some of California's propositions really tear me up, and I'm glad I'm not called upon to vote on them. Why? Take Prop 209, the (in)famous "Civil Rights Initiative." There are well-meaning, rational, morally-upright people on either side of this initiative. But there are also some real scum bags on either side: greedy, self-serving egoists who want to make their piece of the pie as large as possible, at any moral cost. I'd be in favor of 209 if I could count on the moral fiber of my fellow Americans; but the very clear need for affirmative action earlier in this century should serve as clear evidence that such faith is commonly unfounded.

Affirmative action attempts to move society toward equality by mandating unequal treatment of certain groups; clearly we can not have an egalitarian society so long as such laws are in place. The question is whether repealing such laws at this point in time will help us continue our approach toward equality (which I think we have done since the 60's) or simply encourage (an already occurring?)

slip back into the racist, bigoted thinking of yesteryear.

Do I have an answer for you? Not really. Like I said, I'm glad I'm not a California voter. The optimist in me would tell you to vote for 209; the pessimist says hell no. There's not much of either in me. The realist, which constitutes my larger half, says whatever the re-

*So I beg of you,
when you vote, only
vote on those races
and issues of which
you have a solid
understanding and
knowledge;*

sult, monitor the outcome and continually reevaluate your stance on this issue, whatever it may be at this point in time.

The Wisdom of Our Forefathers

— It is common, heck, it is typical, for Americans to vote for or against a given candidate strictly on the basis of their position on a few key issues. (How else to explain the vile, immoral trash being continually reelected on both sides of the political isle!?) While I can certainly see the logic in acting that way, let me share with you what I view as a pearl of wisdom from the writers of this nation's constitution.

The founding fathers realized, (perhaps with somewhat condescending logic) that not every citizen of this country would be able or willing to keep up with every political issue needing the nation's attention. I think this is what led them to make the United States a representative democracy, rather than a true democracy, despite the logistical obstacles to running the latter in their time. In the early years, voters selected the nation's leadership from the respected leaders of their communities, often without the candidate's exhortation. The logic required of such choices was simple: "Who do I trust to be of sound mind and moral character, responsible enough to inform themselves thoroughly concerning the issues, and articulate enough to spur their fellow thinkers in Congress to see the logic of their reasoning?"

These days, no longer! We all think we know more about every issue than the people we send off to Washington to represent us. . . and given who we choose to send, it is quite possible that we do.

Ask yourself if you'd trust the candidates you vote for to make "the right" decision on some new issue that comes up during their term of office. Do you trust their judgement and logic, or do they just check the same boxes you do in the voter's pamphlet? Surprise, surprise, these folks see a boatload of new bills each session: most of

which you never hear anything about. If your congressional representatives only have to satisfy you on a handful of key issues to get your vote, they are free to pursue lame pork-barrel projects on the vast majority of cases you have no clue about: be it farm subsidies, nuclear waste, the DC budget, medical fraud, or science funding.

I still hold to the old method of choosing a congressperson: find someone I trust. Even if I don't agree with them on every issue (and I usually don't) I still think that I'm making the right choice. I'm lucky to have a few people I think I can trust in my home district. One is a Republican, one is a Democrat, but neither really plays to the part. They make up their own mind, and that's what I want them to do. I trust them to be better informed on most, if not all, issues than I am—and they have enough moral character that I can at least trust they are doing what *they* think is right, not what a PAC, SIG, or dollar tell them to do.

"When the horse dies, you get off."
—Kinky Friedman

"I'd think I was back on the farm if I didn't know where I was."

—Mr. Al Skalet, my high school physics teacher
"I don't think I'm naive..."

—Me

"Rob, you're an old fart."

—Will Royea, whom I thank for a very helpful critical review of this article.

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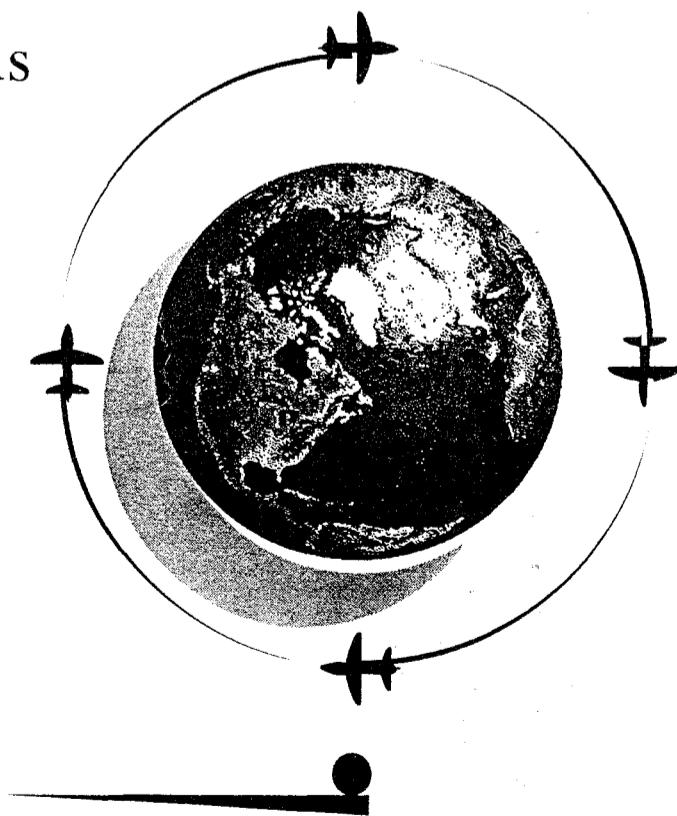
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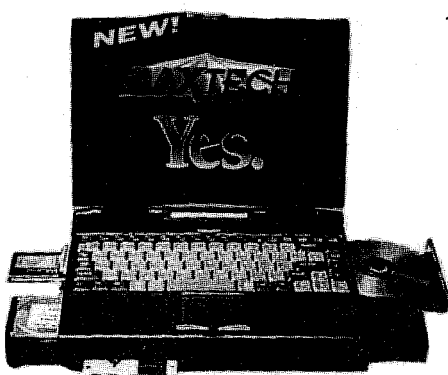
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PRESIDENT: Faculty Search Committee wants your input

CONTINUED FROM PAGE 1

candidates are not likely to visit the campus before being chosen. This secrecy will protect candidates who might feel uncomfortable with the attention associated with candidacy for Caltech President.

Once the short list of candidates is compiled by the Faculty Search Committee, the Trustees' Selection Committee (made up of members of the Caltech Board of

Trustees) will choose a candidate. The chosen candidate will be contacted, and if he or she accepts the position, he or she will take over the office of President after President Everhart's retirement.

The Caltech President is heavily involved in raising the money required to keep Caltech running on a day-to-day basis. Good communication skills and a keen political (and business) mind

are key. The president must also promote Caltech's reputation both by meeting with national and institutional leaders and by giving speeches nationwide. The president must keep up to date with current trends in science and industry to keep Caltech in touch with a changing world. He or she must deal with the faculty on a day-to-day basis. The president also appoints and manages

Caltech's vice-presidents. Candidates for the job of president are expected to possess good leadership skills and the knowledge necessary to allow Caltech to succeed in cutting edge technologies and scientific fields.

The search committee has been consulting members of the Caltech/JPL community over the past several weeks, receiving input from the faculty, staff (on campus and at JPL), graduates, and undergraduates. The committee will also seek advice from outside sources in academia, industry, business, and government.

The Faculty Search Commit-

tee has already met with members of ASCIT and the IHC. The student officers have asked the committee to seek a president concerned with undergraduate education and student life, especially the honor system and the housing system. Other issues that students raised included controlling tuition increases and fostering greater student-faculty interaction.

Members of the Faculty Search Committee are: David Anderson, Paul Jennings, Julia Kornfield, Tom Palfrey, Tom Prince, Douglas Reed, David Stevenson, Kip Thorn (Chair), and Jerry Nunnally (Advisor for Staff).

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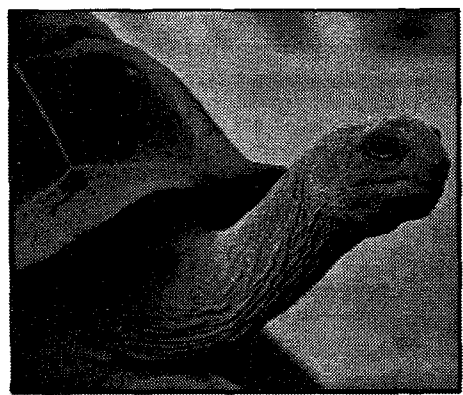
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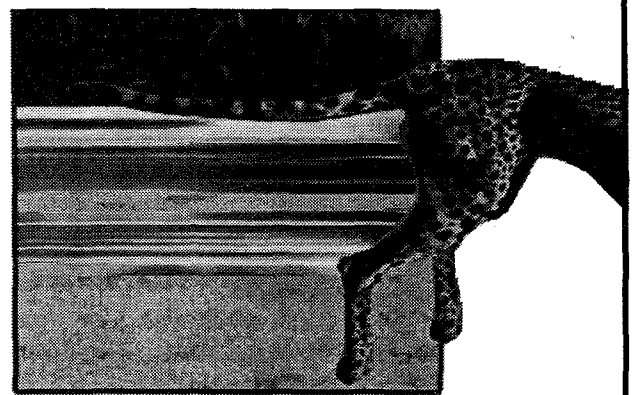
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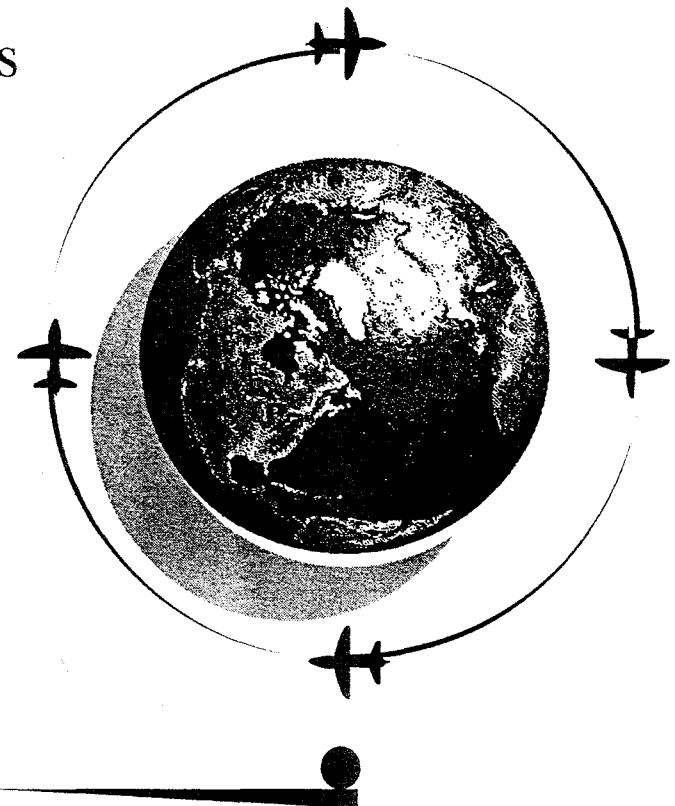
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Jobs

The **Dean of Students Office** needs tutors in all areas—especially for the Institute requirements, e.g. Ch 1, Ma 1, Ma 2, Ph1, and Ph2. The pay is \$7.50 an hour. They are looking for upperclass students with a strong understanding of the subject matter and the ability to communicate well. Please stop by the Deans' Office in 102 Parsons-Gates, or call at x6351 or e-mail at sandra_estes@starbase1.caltech.edu for further information.

The Vice President for Student Affairs Office is hiring a part-time **work-study student** office assistant to answer phones, file, word process, and run campus errands for 6 afternoon hours a week. The student must be able to work 3 to 5pm some Friday afternoons. The perks: a good pay rate and free soda; for more information, please see Jerri in 108 Parsons-Gates.

The **Fellowships Advising & Resources Office** is desperately seeking **student workers** for a wide variety of projects. Find out about fellowships and work and study abroad while you earn money. If you are interested, please contact Karen in the Fellowships Office, Room 25 of the SAC, or x2150.

Events

This week's **ASCIT movie** will be *Psycho*, showing at 7:30pm and 10pm in Baxter Lecture Hall. Admission is \$2 for members, \$2.50 for non-members (cheaper than renting!).

♯The **Keller Quartet** will be performing a Coleman Chamber Concert on November 3rd at 3:30pm in the Beckman Auditorium featuring Beethoven's Quartet in E-flat Major, Op. 74 ("Harp"); Ravel's Quartet in F Major; and Bartók's Quartet No. 3. Tickets start at \$6 for Caltech and JPL faculty and staff, although 50 free tickets are available to Caltech students with I.D.

Caltech is sponsoring a two day **blood drive** which will be held in the Winnett Student Lounge on Wednesday, November 13th, between 10:15am and 3:30pm, and on Thursday, November 14th, between 12:15pm and 5:30pm.

Please contact Vilia Zmuidzinas via e-mail at hrlvez@hr.caltech.edu or at x6001 for an appointment. Walk-ins are also welcome.

♯Travel lecturer Rick Ray will narrate his Armchair Adventures travel film "**Raise the Bamboo Curtain: Vietnam and Burma (Myanmar)**" on Friday, November 15th, at 8pm in the Beckman Auditorium. Tickets start at \$7 from the Caltech Ticket Office.

♯The **Aero Association of Caltech** (aka CIT/JPL Flying Club) will hold its biannual General Membership Meeting on Wednesday, November 20th, 1996 at 7:30 pm in Room 269 Lauritsen at Caltech. All members, pilots, and prospective pilots are welcome to attend. Former club member John Kounis will speak on "Flying Throughout Africa and Europe."

♯Dr. Angela N.H. Creager, Assistant Professor of History and History of Science at Princeton University, will be holding a Science, Ethics, and Public Policy Seminar entitled "**Viruses In Campaigns And Crystals: Wendell Stanley's Polio Research**" on Thursday, November 21st, at 4:00pm in the Judy Library, Baxter Building.

♯The **Great American Smokeout** is Thursday, November 21st. Since 1976, the Great American Smokeout has been held to encourage people to stop smoking and to increase public awareness of the harmful effects of smoking and tobacco use. For more information, contact the Health Center at x6393.

♯The **Caltech-Occidental Concert Band** will be holding a free concert directed by William Bing on Friday, November 22nd, at 8pm in the Beckman Auditorium. All are welcome.

From the Counseling Center

Looking for a safe and supportive place to dis-

Mints

♯ denotes a new announcement.

cuss issues such as coming out, being out, dealing with family, coping with a homophobic culture, and being GLB at Caltech? Want somewhere just to make new friends? You are invited to the **Gay/Lesbian/Bisexual Support Group**, which meets on the first and third Tuesdays of each month from 7:30pm till 10:00pm in the Health Center lounge. This is a confidential meeting and attending does not imply anything about a person's sexual orientation—only that he or she is willing to be supportive in this setting. The group usually discusses a particular relevant topic and then moves on to the general discussion. Refreshments are served. If you would like more information, please call x8331.

Fellowships and Scholarships

From the **Fellowships Advising and Resources Office**, extension 2150, e-mail lauren_stolper@starbase1.caltech.edu:

Graduating Seniors applying to Ph.D. programs that are related to the process and theory of integrated manufacturing may apply this year for the **Integrated Manufacturing Predoctoral Fellowships**. Applicants must be U.S. citizens or permanent residents. Up to 3 years of support are available. The applications are available via the Internet at <http://fellowships.nas.edu>

From the **Deans' Office**, 102 Parsons-Gates:

The **Harry S. Truman Scholarship Foundation**, established by Congress in 1975, is the official federal memorial to honor our thirty-third President. The Foundation awards \$30,000 merit-based scholarships to junior-level college students who wish to attend graduate school in preparation for careers in government or elsewhere in public service. Scholars may attend graduate schools in the United States or in for-

eign countries. In 1997, up to 85 students will be awarded Truman Scholarships. They will receive leadership training, graduate school counseling, preferential admission and merit-based aid to some premier graduate institutions, and internship opportunities with federal agencies. They will establish friendships with persons sharing similar values and interests. Scholars are eligible to receive \$3,000 for the senior year of undergraduate education and \$27,000 for graduate studies. The Foundation defines public service as employment in: government at any level, uniformed services, public interest organizations, nongovernmental research and/or educational organizations, and public service oriented nonprofit organizations such as those whose primary purposes are to help needy or disadvantaged persons or to protect resources. The eligibility requirements are: a full-time junior-level student at a four-year institution, committed to a career in public service as defined above, and in the upper quarter of his or her class, and a U.S. citizen. If you are interested in applying for the Truman Scholarship, please contact the Dean of Students Office, 102 Parsons-Gates. The deadline is late **December, 1996**.

From the **Financial Aid Office**, 515 S. Wilson, second floor:

♯The **American Electroplaters and Surface Finishers Society** is offering scholarships to undergraduate juniors and seniors and graduate students who are interested in careers in the electroplating and surface finishing industry. Undergraduates must be full-time and must be majoring in metallurgy, metallurgical engineering, materials science or engineering, chemistry, chemical engineering, or environmental engineering. Applications must be submitted by April 15, 1997.

Northrop Grumman is beginning their scholarship selection for 1996-97. They will be offering one scholarship to an undergraduate who has a career interest in the Aerospace/Defense Electronics Industry. Applicants must be U.S. Citizens, full-time students in 1996-97, and must have a GPA of 3.0 or above. Applicants must also be majoring in one of the following fields: Electrical Engineering, Mechanical Engineering, Aerospace Engineering, Computer Science/Engineering, or Manufacturing Engineering. The deadline has been extended. To apply, submit a resume and an academic transcript to the Financial Aid Office by **November 1st, 1996**.

The **John Gyles Education Fund** is offering financial assistance to students in Canada and

the United States. Canadian or American citizenship and a minimum 2.7 GPA is required. Selected students will receive up to \$2,500. The deadline is **November 15th** (postmark date). To receive an application, send a stamped (US \$3.2), self-addressed No. 10 envelope to: The John Gyles Education Fund, Attention: James Cogle, Administrator, P.O. Box 4808 712 Riverside Dr., Fredericton, New Brunswick, Canada E3B 5G4.

Applications are now being accepted for the **1997-98 National Academy for Nuclear Training scholarships**. Scholarships are \$2,500 each and will be awarded to eligible students majoring in nuclear engineering, power generation health physics, or chemical, electrical, or mechanical engineering with nuclear power options. Applicants must be U.S. Citizens, have minimum 3.0 GPAs, and be full-time sophomores, juniors, or seniors in 1997-98. Preference will be given to students demonstrating specific preparation for employment in the U.S. nuclear power industry. Applications must be postmarked no later than **February 1st, 1997**.

The **American Society of Naval Engineers** is offering \$2,000 scholarships for academic year 1997-98 to students who are interested in naval engineering. Applicants must be U.S. Citizens, must demonstrate a genuine interest in a career in naval engineering, and must be applying for either their last year as an undergraduate or for one year of graduate study (doctoral candidates not eligible). The deadline to submit applications is **February 15th, 1996**.

The **Jewish Family and Children's Service** is pleased to announce the continued availability of financial support for Jewish individuals and their families. JFCS provides hundreds of students loans, grants, and scholarships to Jewish students. Individuals may apply for up to \$5,000. Special scholarships are available for study in Israel. To be eligible, students must have financial need, have at least a 3.0 GPA, and be residents of San Francisco, the Peninsula, Marin or Sonoma counties, or the Bay Area. There are no deadlines—applications are accepted throughout the year and are available in the Financial Aid Office.

The **Elie Wiesel Foundation for Humanity** announces the 1997 Essay Contest for the Elie Wiesel Prize in Ethics. The essay contest is open to full-time juniors and seniors. First prize is \$5,000, second prize is \$2,500, and third prize is \$1,500. Essays must be accompanied by a completed entry form. To obtain an entry form, send a self-addressed, stamped envelope to: The Elie Wiesel Foundation for Humanity, 117 Avenue of the Americas, 36th Floor, New York, NY 10036. Essay entries must be postmarked by **January 17th, 1997**. For more information about the contest, come to the Financial Aid Office.

Women who are full-time juniors in 1996-97 are invited to participate in **GLAMOUR Magazine's 1997 Top Ten College Women Competition**. This competition recognizes exceptional achievements; the vision, determination and academic excellence of female college juniors from across the country. Winners will receive \$1,000, the opportunity to meet with top professionals in their fields, and national recognition in GLAMOUR's October 1997 issue. Applications are due **January 31st, 1997**.

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