

Kelrof Annual Running

The fifth annual KELROF 24-Hour Relay is just a week away, on May 23-24. There will be six teams of brave runners this year. The KELROF team, led by school steeplechase record holder Karl Clausing, should be the fastest team, though not as fast as in the past. The Page House Frosh team will try to break 200 miles to better last year's frosh. The Glee Club relay team will demonstrate that you need good lungs to sing well. The AMA Solutions will be returning for a second year. Of the other teams, one will be composed of runners from Fleming and Dabney, while the other will have runners from Lloyd, and some other people who have signed up.

Timers are needed, and if you are willing to time for a four-hour shift, please see Shawn Larsen or Eric Korevaar in Page House. Even if you do not time, come and cheer for a little while, especially if you can make some noise around 3 or 4 am, when it is getting hard to run. Hopefully, the 24-Hour Relay will turn out to be fun for everyone involved.

Next week, there will be a couple of things to get ready for the Relay. On Tuesday at 3:30 at the Track, there will be practice for the runners, to find out what it feels like to run 5 or 6 repeat miles with a rest in between. On Friday at 3:30, there will be a meeting in the classroom at the gym to discuss any questions about the relay, like what to bring, and medical care. The relay starts at 9:00 am on Saturday, but runners should get there by 3:30 to help set up.



"Our Town". No, not actually "Our Town". It's actually the rehearsal for "Our Town". You know why we're using this picture? Because all of our photographers decided to flick it and the people running this play didn't even bother to acknowledge the existence of the Tech, and send some promo pix.

Save Mono!

CEAC Talks Mono

By Richard Honrath

Last Monday night, Tom Cassidy, Southern California Coordinator of the Mono Lake Committee, presented a slide show on Mono Lake. In his talk, which was sponsored by the Caltech Environmental Action Committee, he spoke about the singular attributes of Mono Lake and of its impending demise as the result of the diversion of the water from its feeder streams to Los Angeles. He emphasized that this situation is not necessary and can still be remedied.

Mono, the largest lake entirely within the borders of California, is located in the Great Basin just to the east of Yosemite Park. The lake has no outlet, and as a consequence is both extremely saline and alkaline (three times as salty as the ocean). These conditions prevent any fish from living in Mono, but nonetheless, the lake is one of the world's most biologically productive bodies of water,

supporting huge populations of brine shrimp (up to 50,000 per square yard) and brine flies. These creatures in turn entice great numbers of birds to breed on Mono's islands or to use the lake as a migratory way station. One-fourth of the world's California gulls (about 50,000) breed at Mono, for example, and up to a million eared grebes stop there during migration. All of these animals are threatened by the lake's dropping shoreline and increasing salinity.

Today, Mono is twice as saline as it was in its natural state. If present water-use trends continue, the salinity will double again in thirty-five years. By then, the brine shrimp will no longer be able to survive and the entire ecosystem will collapse. (It may have collapsed well before that time if increasing salinity prevents the convective mixing that is required to bring nutrients to the surface.) In addition, the alkaline sediments exposed by the receding shoreline pose a severe hazard of air pollution. Already, high winds sweep clouds of alkali dust up to 20,000 feet into the air.

Mono Lake can be saved. The Mono Lake Committee supports a plan, recommended by an Intergovernmental Task Force, in which the lake would be maintained with its surface at the 1970 level of 6,388 feet above sea level. This would permit the diversion of 15,000 acre-feet of water per year to Los Angeles, 15% of the present diversion. The other 85% would be made up through a water conservation program to be implemented only by the introduction of new mechanical methods, such as toilets with reduced flush volumes and low-flow shower nozzles. The cost of this program to a typical Los Angeles resident would be about 54 cents per year. Pilot studies in San Diego and Ventura Counties indicate that this level of conservation, 6 to 15%, easily could be

Unnatural Acts

Our Town: Pretty Homey

By Susan Hunts

The production of "Our Town," directed by Marty Sirkin, performed Thursday through Sunday last week in Ramo, was pretty good, I saw the Saturday night performance.

"Our Town," by Thornton Wilder, is a three act play. The first act provides an introduction to the characters and to the way of life in Grover's Corners, a small town in New

England around 1900. The courtship and wedding of George Gibbs and Emily Webb, two of the town's young, is covered in the second act. The third act begins about seven years later, at Emily's funeral; Emily, however, is not ready to be dead and returns to Grover's Corners to relive the day of her twelfth birthday, only to find that she prefers death. Throughout the play, a stage manager provides background, explanations and commentary.

The tone or pace of the play wasn't properly directed much of the time. In a small turn-of-the-century New England town everything would have been done at a snail's pace, with little or no regard for the world outside the town, and with complete satisfaction with the town's way of life. However, something of the pace of life ala southern-California-1981 crept into the production, with several speeches being spoken at today's speed, thus marring the atmosphere of the play. The stage manager (played by Robert Lang) occasionally seemed genuinely apologetic for what an outsider might view as faults in the town and was a little too concerned about audience reaction to his town. Howie Newsome, the milkman, played by Erik Gunderson, was the only character to consistently move at a snail's pace.

The acting was good throughout the play, although at few highly emotional points (e.g. the wedding scene) it became a little stilted and volume was confused with emotion. I especially enjoyed Kimberly Carr and Anne Karogopian as Emily Gibbs and Mrs. Webb; these two character portrayals were consistent and credible.

The staging and lighting were well done; both were simple and effective, and did not call attention to themselves, or away from the play.

All in all, "Our Town" was a pleasant, well-done production.

—Susan Hunts

Glee Club: Paean For Love

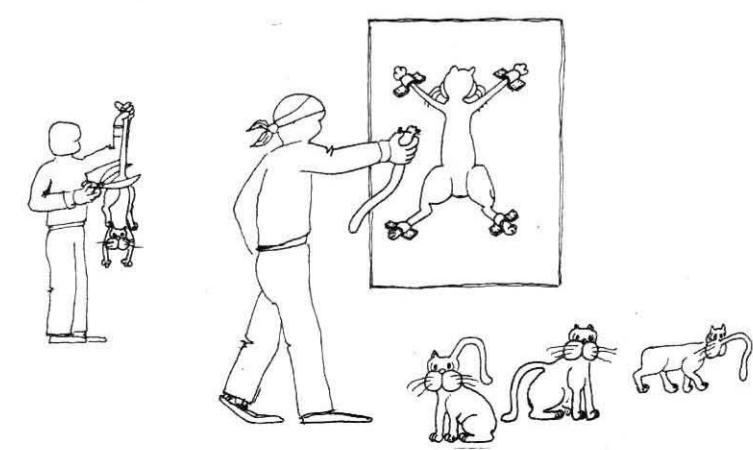
Songs of love will be one of the themes of the Spring Jubilee, the annual home concert of the Caltech Glee Clubs, on Saturday, May 16, at 8 pm in Beckman Auditorium on campus. The program will feature the 75 voices of the men's and women's glee clubs in combination and separately, as well as special vocal groups—the Apollo Singers, the Chamber Singers, Mainly Madrigals, and the men's and women's barbershop quartets—in classical and light opera music, and folk songs.

The evening program will open with Charpentier's *Laudate Dominum*, by the mixed chorus with brass and timpani accompaniment. In

two separate parts of the program the Women's Glee Club, under the direction of Monica Roegler Brown, will present selections by Handel, Howard Hanson, and Vaughan Williams, and later, lighter numbers, including Irving Fine's music for *Alice in Wonderland*.

The Men's Glee Club, directed by Olaf Frodsham, will introduce a group of "sprightly numbers" including "Go, Chain the Lion Down" and "Marching to Pretoria". Their second appearance will be devoted to the music of love, including a concert ver-

continued
on page 8



EDITORIAL

Your father's in the gutter, he's wretched and
he's poor,
Your mother's in the kitchen with a can of Cy-
cle Four...
— Weird Al Yankovic, "Happy Birthday"

In light of recent events in the world, such as the rioting in Northern Ireland, the Syrian-Israeli hostilities and assassination attempts on the Pope and Ronald Reagan, it is only a matter of time before this insanity reaches here, so I'll put in my two cents' worth before all the bleeding heart liberals and stonewalling conservatives start propagandizing for their quick fix cures.

What I propose is simple; it will only take an act of the IHC and permission from Mr. Emery of the Phys. Ed. Department. What I propose will prevent any upcoming actions of the Caltech IRA or June 5th movement. Yes, what I propose is a new interhouse sport—streetfighting. What follows is a rough draft of the rules (submitted to the IHC and Ath team for approval).

Interhouse Streetfighting

General Information

- Only students on the approved house eligibility lists may compete.
- Competition will begin on the Olive Walk, no later than 5:00 p.m. Fridays (8:00 p.m., if finals or midterm weekend).
- Interhouse trophy points: 56-48-40-32-24-16-8.

Rules of Play

As stated in April 1975 issue of "NRA Weekly", with following modifications:

Sec 1.1: Teams shall consist of *seventy* members, each equipped with the following items: *bolo, blackjack, standard sabre, .357 Magnum, 30.06 Winchester, bullet-proof vest, first-aid kit*. Use of any other items is optional.

Sec 4.2: Match shall begin with the firing of the *Fleming Cannon at Lloyd House*. Immediately, the contestants shall swarm from their respective houses onto the Olive Walk.

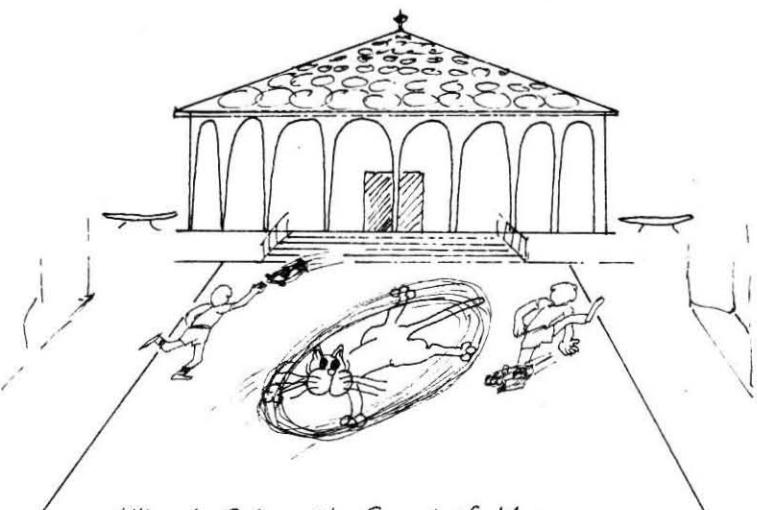
Sec 4.22: For the first half-hour of the contest, entrants may only use the *Master's office, Ricketts House, Lloyd House and the Olive Walk areas*. Thereafter, the boundaries will be defined by *California Blvd., Hill St., Del Mar Blvd., Wilson Ave.*

Sec 17.45: Winner shall be determined as the *house* with the most surviving members after twenty-four hours of play.

There is the gist of the plan; I hope the IHC will seriously consider it, even if for just the cathartic value. Just think: to be able to take out your frustrations, your hatred (plenty of that around), your anger on some unsuspecting chump by seeing a bullet rip his crainial case to pieces would not only give you an intense rush of adrenalin, but a sense of accomplishment as well. Not only would individuals reap the benefits; a sense of interhouse cooperation would be established in the cleanup process. Imagine the fun you'd have scraping a friend's fresh, brightly colored remains from the Olive Walk, with your RA's help. Pride would be reinstilled in your work. Besides the traditional notches in the old carbine, you'd be able to show off your prowess at the wake.

"College is a microcosm of the outside world," goes the aphorism. I agree; with this new sport, let's make Caltech a better reflection of the outside world.

— Tracy T. Furutani



Ultimate Cat on the Court of Man

Count Pointer-Count

Bob, you baby-faced wimp,

President Reagan has once again proven that "you can fool some of the people all of the time," but as soon as his motives for budget cuts are discovered, the rest of the saying will shine true. Reagan claims he wants to help Americans get back on their feet financially, but the only "Americans" he wants to help with his Lizzy Borden-like cuts are the ones that own the oil companies, banks and car companies. The rest of the people will be left to suffer the effects of the modern "robber barons," the American corporate giants. Once again the poor, elderly and uneducated will be told to wait for the "trickle-down" theory to work.

I can't say I disagree with all of his proposed cuts. Spending tax dollars to educate skinny, morally depraved, intellectual midgets like yourself should stop immediately. But I can't understand how even you can say that the mentally ill (of which you are a charter member), the sickly and elderly should be forced to accept budget cuts that will close any path they have to leading a normal life.

Sure, come election time, you'll be quick to point out that Reagan approved some miserly tax cuts, but you'll neglect to say that the cuts did little to make up for the cut in benefits for the aforementioned.

Let's just wait and see what happens when your financial aid is cut. You'll have to go back to daddy's plantation near Atlanta. What will you do then? (Frankly my dear, I don't give a damn!) Just remember the days when people will sit and watch a bunch of bureaucratic stockholders take from the poor and give to the rich are gone with the wind.

Wake up Scarlet O'Hara, slavery has been abolished. We're mad as hell, and we won't take it anymore.

— Dwayne David

Dwayne, you gutless puke;

Leave it to a radical pinko like you to start taking pot shots at the President of the United States. The Administration's plan for economic recovery is the only way this country is going to return to its former greatness. Let's look at some of the proposals.

1) Reduce taxes. Surely even an antisocial buffoon such as yourself would like lower taxes. Even with no new legislation, taxes will effectively rise because of inflation (sorry about the big words, Dwayne, that means prices and wages rising). Most of the American people want lower taxes—it's only soft-hearted (and soft-minded) liberals who want more gimme-gimme programs, increasing welfare payments to the point that it is unprofitable to work! And here we come to the second point;

2) Reduce Federal giveaway programs. The federal government has become too bloated with programs designed to throw money away on bums too lazy to work. I can see why you would like this, Dwayne, but the sad fact of the matter is the American people are sick and tired of giving away their hard-earned dollars to a bunch of lazy slobs.

3) Increase defense spending. Perhaps it is hard for someone constantly living in a haze of unreality to grasp these rough concepts, but try this one; the Russians want to take over the world. They have said so repeatedly, and the only thing stopping them is us (okay, a little China, too). Instead of whining as to how "the next war will be the last one anyhow," face up to the fact that what we would actually encounter is a conventional war on foreign soil, a scenario for which we are totally unprepared.

Perhaps your brain is twisted enough to disagree with these proposals. Well, I don't

CONTINUED
ON PAGE 8

LUTAN IS COMING!

Listen to the Lutan show

KKAL

Mondays, 7:30 — 10:00p.m.

FRIDAY
NIGHT

ASCIT MOVIE

7:30
10:00

TONIGHT:

WHAT'S UP, Doc?

Ryan O'Neal, Barbra Streisand

50¢ ASCIT members
\$1.00 All others

Baxter Lecture
Hall

NEXT
WEEK:

Alice's RESTAURANT

CURO

By Mara Freeman

Research, being the most important aspect of life at Caltech, is what makes being an undergraduate here so unique. Where else but at Tech can a student become an active part of a research group from the time he is a freshman. In about a week or so ASCIT will distribute the very first "Caltech Undergraduate Research Opportunities" handbook. Similar publications are distributed by other universities and we felt it was high time Caltech had one.

The handbook is meant to aid the student in selecting a professor to work for whose research is best suited to the interests of the student. The handbook will contain professors' names, a brief description of their research groups, and whether or not they hire undergraduates for both the academic year, and during the summer. We expect that the students will find this a handy source of information. We also hope that the Caltech Faculty will find this a worthwhile project, and will continue to submit to us the information we require. We welcome any constructive criticism about the handbook from both faculty and students, and encourage greater faculty participation next year.

The California Tech

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Honored Preisler

By P. G. Hepzibah

When you look up the word versatility in the dictionary, you see a picture of Ed Preisler. Ed retires as head coach of the Caltech baseball team this year and it signals the end of the career of a great coach and athlete.

In 1936 Ed Preisler graduated from San Diego High School where he earned six varsity letters in three different sports: wrestling (1), baseball (2), and basketball (3). He was a part of three CIF championships. He then went to San Diego State and while attending college there, earned a total of ten letters and several other awards. Besides lettering in track, he picked up three letters in baseball, being named All-Conference three times. He

batted .440 as a junior. He earned three varsity letters for football, making All-Conference his senior year. He also lettered thrice in basketball. His teams finished 2nd in the NAIA National Tournament twice. Ed was named the outstanding all-around athlete in the school both his junior and senior years.

Coach Preisler started his tenure at Caltech in 1947. He coached Frosh Football from 1947-1960 (14 years); Frosh Basketball from 1947-1959 (13 years); became head basketball coach and coached from 1960-1967 (8 years); and of course he coached baseball for 34 years (1947-1981). As if that weren't enough, Ed taught classes in badminton, basketball, gymnastics, softball, touch football, and weight training while at Tech. There will be a cocktail reception honoring both Ed Preisler and John Lamb at the Athenaeum on June 4, 1981 between 5:00 and 7:00 pm. All Caltech athletes, alumni, faculty and friends are invited. Cost is \$5.00.

Track Team Takes a Fifth

During the past two weeks, the Caltech track team competed in the SCIAC Championship meet held at Pomona. Caltech managed to score in twelve of sixteen events, taking fifth place overall. Occidental repeated as the conference champion with 200 points, followed by Pomona (172), Redlands (108), Claremont (50), Caltech (31), Whittier (23) and La Verne (4).

Leading off for Caltech in the sprints was senior Mark Morrissey. Mark set lifetime bests in the 100m (10.9) and 200m (22.9), taking fourth

place in both events. Karl Clausing also scored quite well despite a nagging leg injury. Karl ran a season best 10:01.4 in the 3000m steeplechase for third place. Karl also took sixth place in the 5000m in 16:24.6.

In the 800m, Rich Holmes took fifth place with a personal best of 2:00.5, and Randy Field followed Holmes for sixth place in 2:10.4. Lewis Collins took sixth in the 400m; Scott Bloom took fourth in the 400m hurdles, and Tim Magee took fifth in both the pole vault and high jump.

Speech Alcoholism

Alcoholism: A National "epidemic" is the subject of an address to be given by the honorable Wilbur D. Mills in Beckman Auditorium on Friday, May 22nd at 8:00 pm. The event is being presented by the Pasadena Council on Alcoholism and the Caltech faculty Committee on Programs in cooperation with the Assistance League of Pasadena, the Junior League of Pasadena and the First United Methodist Church of Pasadena.

Wilbur D. Mills, born in Jena, Arkansas in 1909, attended Hendrix College and Harvard Law School. He was admitted to the practice of law before the Supreme Court of Arkansas in 1933, and before the Supreme Court of the United States in 1939. From 1934 until his election to the House of Representatives in 1938, Mr. Mills served as

County and Probate Judge in Arkansas. In 1958 he became the youngest Member of the House to be elected as Chairman of the Ways and Means Committee and would go on to have the longest tenure of continuous service as Chairman in the history of that committee. In 1977, Mr. Mills retired from Congress and is presently counsel to the law firm of Shea & Gould in Washington, D.C.

The Pasadena Council on Alcoholism, an affiliate of the National Council, believes that alcoholism is a progressive illness, and that the alcoholic is just as worthy of help as any other ill person. PCA works for the prevention and reduction of alcoholism through public education and community cooperation. Its Information Center provides confidential consultation and referral services, as well as operates a 24-hour telephone hotline for crisis counseling.

Men Crush Bulldogs

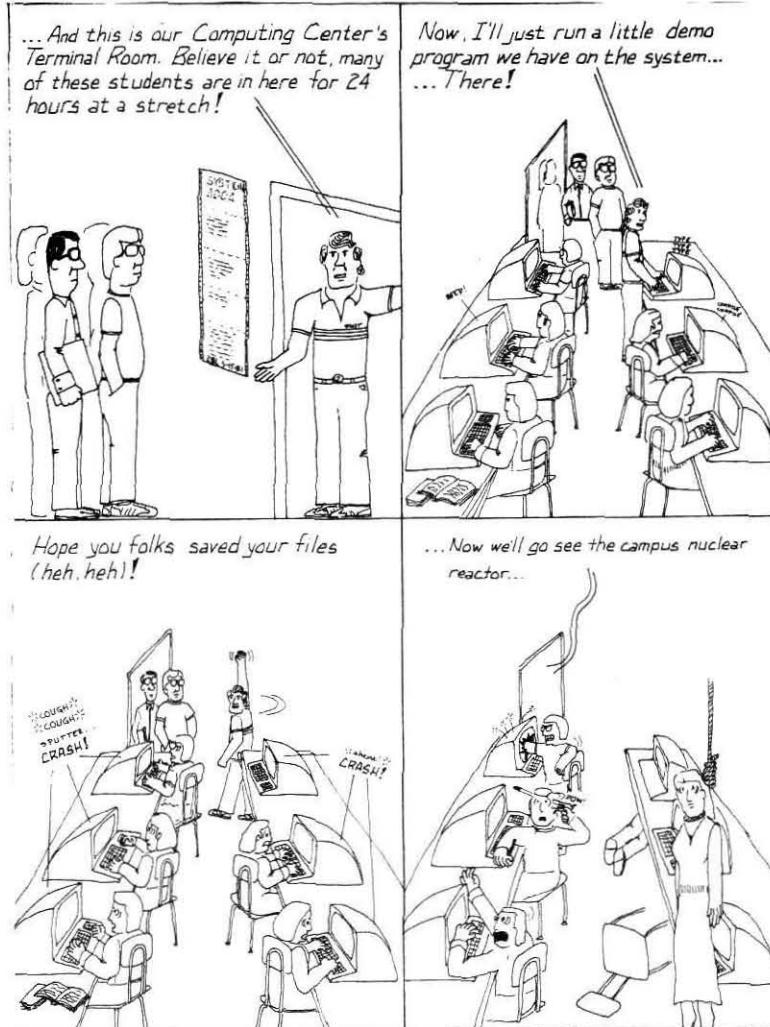
By Spike Jones

The Caltech men's volleyball club had its easiest victory of the year Tuesday night, crushing the Redlands Bulldogs 15-3, 15-12, 15-9. Assembled at a moment's notice by captain and setter Chad Edwards, the team arrived at Redlands (after battling rush-hour traffic) with only the minimum number of players (six). To avoid having to play too many games without a rest, Tech decided to make quick work of the Bulldogs. Caltech totally dominated the first game, with middle blocker Bob Kanne stuffing the anemic Redlands spikes particularly well. Those balls that made it past the Caltech block were passed well, allowing Tech to run a faster offense than it had been able to in previous matches. Crossing plays and quick sets to the middle had the Redlands block stymied. Edwards' occasional dinks to the middle on the second hit caught the Bulldogs off-guard and made him an instant favorite with the Redlands crowd.

After the 15-3 romp, the Beavers relaxed for a while and gave Redlands a 12-8 lead in the second game, before running off the last seven points. Tech then coasted to a third game victory, behind the setting of Edwards and Lance Dixon, the middle blocking of Kanne and Prakash Kasiraj, and the outside hitting of Jim Rowson and Joe White. The Caltech team will face tougher competition from other SCIAC teams next fall, and is losing at least two of its better players over the summer. However, in the fall the team should again be able to get some gym practice time, which Warren Emery has refused to grant for the last two terms.

BLARK IS BACK

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ENTERTAINMENT

ASPEROID

it's coming closer

plays SPECIAL EVENTS

Y Go To a Museum

Do you feel that you are not getting your RDA of culture? Would you like to get away from Caltech for a day? You can fulfill both of these desires on Saturday, May 23 when The Caltech Y is featuring a trip to the Los Angeles Museum of Art to see two very exciting exhibits.

The first is entitled "The Great Bronze Age of China:

An Exhibition from the People's Republic of China." The show centers around bronze food and wine containers that were used in royal and religious ceremonies during the Chinese Bronze Age, 1500 B.C. to A.D. 8, and around intricate jade ornaments and carvings. There are over 100 items in the show, varying over a wide range of subjects, from a

40 inch tall bronze cauldron from the 15th century Shang period and a 3rd century rhinoceros shaped container, to stylized axe heads and jade pendants. Included in the show is a bronze cup and jade ceremonial blades that were recovered from the oldest known bronze age settlement. The show concludes with a display of eight life-size terra-

cotta figures: seven Chinese warriors and one horse. These are a small sample of the 7,000 such figures uncovered in 1974 at the burial site of the first major emperor of China, Qih Shih Huang Ti.

The second show is entitled "Ansel Adams and the West." It consists of 153 photographs of Western landscapes taken by Mr. Adams throughout his half-century career, from his 'lyrical landscapes' of the 1920's and 1930's to his 'dramatic, epic photographs' of Yosemite and Carmel. Although well known for all his photography, he has received widest acclaim for his landscapes. John Szarkowski, Director of the Department of Photography at the Museum of Modern Art, said that Adams "may be the last of that line of 19th century romantic landscape artists who glorified the heroic wilderness, and simultaneously, one of the sources of a new landscape tradition, in which the artist

aboriginal, in miniature, from whatever nature offers."

There will be thirty places available at \$1.00 apiece, to cover transportation, and there will be a sign-up on Monday and Tuesday, May 18 and 19, in the Y office. A drawing will be held if there are not enough seats. You should also bring 50¢ for admission to the museum and \$2.00 for a recorded tour of the exhibit if you so desire. We will be leaving in the Geology bus at 9:00 am on Saturday and will be arriving back at Tech at about 3:30.

A Whale of a Time

ARMAMENT AND DISARMAMENT

We Can Reverse the Arms Race

"I BELIEVE THAT THE PROBLEMS OF LESSENING THE DANGER OF ANNIHILATING HUMANITY IN A NUCLEAR WAR TAKES ABSOLUTE PRECEDENCE OVER ALL OTHER ISSUES." Andre Sakharov,
Pres. of Russian Academy,
Father of Russian Nuclear
Bomb. CURRENTLY EXILED

In the 1980's, the American people must respond to several crucial questions about how to deal with the issues regarding nuclear weapons and the prospect of nuclear war. This lecture series is designed to provide information and to answer questions so that as an informed public we can make reasoned choices AND affect the choices of our leaders.

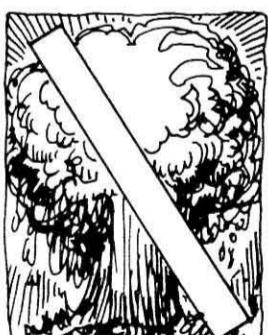
Dates: Friday, May 15 8 p.m. to 10 p.m. 7:30 Registration

Saturday, May 16 10 a.m. to 3:30 p.m.

Place: Neighborhood Church, The Family Center
301 North Orange Grove Ave.
Pasadena, California

Cost: \$15.00 (students, \$8.00)

The program will focus on these topics....highlighting terminology, basic assumptions, and strategies of those formulating our defense policies:



→ The Nuclear World Today

Where we came from, are going, and consequences of nuclear war.

→ Arms Control and Disarmament

A history, from Hannibal's elephants to the MX, and criteria to use in evaluating its success and design.

→ Nuclear Arms Control

SALT 1 & 11, accomplishments and limitations; Non-proliferation of nuclear weapons; Nuclear free zones; and, prospects for controlling Nuclear Weapons.

This program is presented by Dr. Richard Burns, Director of the Center for the Study of Armament and Disarmament, California State University, Los Angeles. Professor Burns is a specialist in diplomatic history and the history of arms control and disarmament from preliterate societies to the nuclear age. The Interfaith Center for Reversing the Arms Race will also have literature available and provide information on what can be done right now to make all our futures more possible.

NAME: _____ PHONE: _____

ADDRESS: _____

PREREGISTRATION IS A MUST: MAIL THIS SLIP WITH YOUR CHECK TO : Neighborhood Church, 301 No. Orange Grove, Pasadena, Ca., 91103

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aboriginal, in miniature, from whatever nature offers."

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Payne and his family lived two years off the coast of Argentina with a herd of right whales. Through his efforts the remote Argentine bay is now a whale sanctuary of 860 square miles, resulting in Payne's being knighted by the Netherlands for his work in conservation. During the past ten years, Payne and his students have continued studying right whales. Included among their studies are: identification of individuals from callosity patterns; measuring whales by photogrammetry; population modeling to assess the status of this herd; analysis of social structure and behaviors; correlation of vocalizations with behavior; movements of individuals within the breeding grounds and along migratory paths; estimation of former abundance of southern right whales as indicated by log book records.

Payne is a graduate of Harvard University and received his Ph.D. from Cornell University. Since 1971 he has been Research Zoologist for the Center for Field Biology and Conservation with the New York Zoological Society in New York City. He is also an Associate Professor at Rockefeller University.

Payne's principal research interest is in the biology of whales, with particular emphasis on acoustics and its role in their behavior. His studies of whales have appeared in *National Geographic Magazine*, as well as on television in a series of specials.

Tickets are now available for this Leakey lecture at the Caltech Ticket Office, 332 S. Michigan Ave., or by phone at 356-4652.

PCO led by Redford

The world premiere of Jonathan Alfred Clawson Redford's "October Overtures" will be performed by the Pasadena Chamber Orchestra on Tuesday, May 19th in Ramo Auditorium. Completing the program, conducted by Robert Kenneth Duerr, will be J.C. Bach's "Sinfonia," Op. 18 No. 1 and Mendelssohn's Symphony No. 4.

"October Overtures" was composed during the summer of 1980 and had programmatic origins, according to the composer. Set in lyrical sonata form, the work includes in its thematic material a folk dance, a clarinet solo, a subordinate theme scored first for woodwinds and then for strings, and a codetta motive for horns.

Redford, raised in Salt Lake City, studied trombone

and began composing for jazz orchestra at age 16. After moving to Los Angeles in 1976, Redford began to compose for film and television scoring. Among his credits are episodes of *Starsky & Hutch*, *James at 16*, and the *American Dream* series. Redford is currently comping the music for a new Southern California Shakespeare Festival to be held in Oxnard during the month of July. David Hammond of the American Conservatory Theatre (ACT) of San Francisco will direct the festival.

The Pasadena Chamber Orchestra was formed in 1978 and has dedicated itself to performing familiar selections from the standard chamber orchestra repertoire, balanced by less frequently heard music and premiere pieces by living com-

THE CALIFORNIA TECH

posers. In recognition of the programming of contemporary music, the Orchestra was presented with an ASCAP (American Society of Composers, Authors and Publishers) award at the American Symphony Orchestra League conference in June 1980.

Pasadena Chamber Orchestra founding conductor, Robert Kenneth Duerr, received his Bachelor of Music degree in organ from USC and his Master of Music degree in orchestral conducting from the same institution.

Tickets for the May 19th concert are now available at the Caltech Ticket Office, 332 S. Michigan Ave. Call 356-4652 for further information or phone orders.

Special Note: Up to 25 tickets will go on sale at student rush price (\$3) on Tuesday, May 19th. Please check with the Ticket Office for availability.

Abortion: A Panel

It has been said that there exists no modern day issue more controversial or more capable of sparking heated emotional debate than abortion. One need only pick up a newspaper or magazine or precipitate a discussion of abortion with friends to realize that this is true on moral and political levels. Recent cuts in welfare payments for abortions, the Human Life Amendment, and the recently submitted Human Life Bill have all been instrumental in bringing the issue into the forefront of political debate. At this point in time, the Senate Judiciary Committee is seeking to define when human life begins, for the purpose of using this definition to determine if and when abortions should be allowed by law. The hearings, to date, have received criticism from both the pro-choice and anti-abortion camps. Some have called the Human Life Bill unconstitutional, others have said that these questions should not and cannot be addressed. In his testimony to the Judiciary Committee last month, Leon Rosenberg, chair-

man of human genetics at Yale University, stated: "I know of no scientific evidence which bears on the question of when human life begins."

But what are the real issues here? Does government have the right (and/or the responsibility) to legislate morality in the absence of public consensus? In this period of opposition to excessive governmental controls, why and how can people seek government regulation of the childbearing activities of women? Can the legislature contradict a decision of the Supreme Court? What are the political histories and positions of the Pro-Choice and the Anti-Abortion movements?

These and many other issues will be discussed at the open-audience panel discussion on Abortion: Rights, Responsibilities, and Ramifications, sponsored by the Organization for Women at Caltech on Friday evening, May 15, at 7:30 pm in the Winnett Center Lounge. The OWC has gathered a panel of experts to discuss the history of the abortion issue, the proposed legisla-

tion, and the religious, political and moral implications of the Pro-Choice and Pro-Life positions. The purpose of the panel is to educate, to discuss, and to exchange ideas. The purpose is *not* to convince anyone that there is a single *right* answer but rather to provide people with the facts so as to enable them to establish an individual position based on their own choice.

Course Taught by Boor

A course on effective cycling will be offered at the Jet Propulsion Laboratory in six weekly three-hour classes.

The course is taught by Peter Boor, an outstanding instructor certified by the League of American Wheelmen. Classroom lectures are combined with on-the-road training to develop the ability to use a bicycle with confidence and competence under various conditions of climate, terrain, highway, and traffic.

The JPL course represents an abbreviated version of the official LAW eleven-week course. If there is sufficient interest, the remaining content will be offered in the fall.

Classes will meet at the Jet Propulsion Laboratory in Conference Room 180-101. (For

those who don't know JPL is located at the end of Oak Grove Drive north of the 210 Freeway.) There is a \$6.00 charge per person for the six sessions or \$10.00 for families. (This charge includes refreshments.) Send preregistration payment to: Layne Whyman, Mail 264-443, Jet Propulsion Laboratory, 4800 Oak Grove Drive, Pasadena, CA 91109 or call Layne beforehand at 354-3321 (weekdays).

And don't forget your bicycle!

Personal

142 ended last term. May I please have my notebook back? Remember, you promised.

— Susan



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Versadrek

by Carol Danvers

Recently, I took a stroll down the Orange Walk merely to see what the neighborhood was like. The orange trees were a nice bright shade of green (*incidentally, Carol, why do you call nice green trees orange?*), a cool and pleasant change from the dull gray foliage of the olive trees used to detract from the beauty of the Quad and the Olive Walk.

But there, to my right, was a muddy gully, with fresh tire tracks. I lifted my gaze to find, against the wall of the Synchrotron Building, a dilapidated shed, harboring the culprits. Within its meager shelter huddled a row of dusty, obscene motorcycles.

Finding no material here usable in a Tech column, I continued my long tiring journey, down rough concrete steps and past the crude crumbling facade of Dabney House. Here the path forked, a small tributary to the east adding to the main north-south flow. Taking the lesser of the brick walks, I passed a pleasant grassy area and then found myself in the land between Dabney and California Boulevard.

It was what another might have termed a "blasted heath." Gravel and sand beneath my feet gave way to sparse, dry clumps of weeds, parts of which caught in my socks and scratched at my shins. Here and there, a chip of glass sparkled in the sunlight. Too, there was a trio of solemn, gnarled olive trees, each surrounded by obnoxious ivy. Nestled among nondescript twisted bushes (*congrats, Carol, you have just described the nondescript!*) were rusty tanks of dubious utility.

Curious now, I retraced my steps and made my way to the corresponding area between Blacker House and the street. It was, if anything, even more of a wasteland. There was far more sand and trash, and especially more glass.

The point of this week's Versadrek is this: Caltech is like the child who does not wash her elbows or behind her ears; that is, Caltech upgrades and landscapes only the places where it shows, the places where a rich trustee is likely to happen by.

What about the students? Several dozen must live in rooms overlooking these eyesore areas. Surely the tuition from this many students is equal to the financial approval of a trustee or two. I would like to see the ivy, bushes, sand, glass, and olive trees removed and replaced by shade trees and grass, the monocot variety, of course.

A problem will, however, be created if these two spots are landscaped. Where will masochists go to get a tan?

Nutritious Culture

Okay Roger, you've had your chance to talk about tradition and change with regard to society in general. That's all very nice, but you should also consider that people as individuals can change. To take a topic I'm interested in now, how have the members of our class changed as a result of coming to Caltech.

The reason I'm interested in this now is that last week I went to a "reunion" for the people who had been in my discussion group at Frosh Camp (yeah, you remember, back in September). I should really be in a great position to answer my own question, but I'm not. The others were all strangers to me at Camp, and I've only gotten to know one of them since then. For the most

part, I don't know enough to be able to tell if they've changed or not. That fact alone told me I hadn't changed in at least one respect—I still don't get to know other people very quickly.

That got me started comparing the person I am now to the guy who arrived here last September. The result was rather disappointing and a bit frightening as well: there didn't seem to be much of a change. I suppose my reaction runs counter to the idea that people tend to fear change and that's why they prefer old ways and traditions. Okay, it's true that something unknown and new seems a bit dangerous, even if the danger turns out to be part imaginary.

Then again look at the

other end of the spectrum—stagnation. The prospect of ceasing to develop as a person is one that I for one find more frightening than any change I would ever contemplate. Let's face it—a person with a fixed unchanging personality is pretty much the same as one with no personality at all. A human automaton isn't human any more.

Hey Frosh, it's time to look back on your first year and see if you've accomplished anything besides getting a fourth of the way to a degree. Are you working on developing yourself as a person as much as you work on developing an ability to pass courses? Go out and listen to "Time" by Pink Floyd. Think about it. The starting gun went off a long time ago.

—H.N.I.M.

Duncan Mahoney is on vacation, researching for the Rivet, in case anyone cares

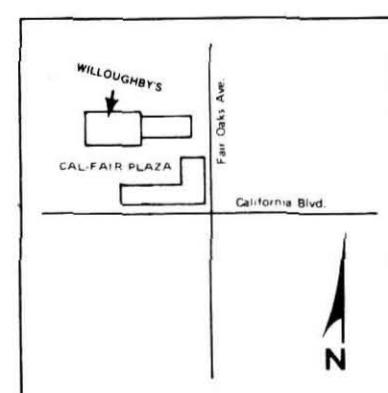
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BODY SHOP

Did you know that in the first week of March 1981 in L.A. County, 385 cases of gonorrhea and 51 cases of syphilis were reported?

The state totals for the first 3 months of 1981 are astounding:

18,122 cases of gonorrhea
699 of primary and secondary syphilis.

Today's VD epidemic is crippling and killing. One person is being infected every 16 seconds, with young adults aged 20 to 24 having the highest incidence of VD followed by the teenage 15 to 19. These statistics tell a frightening story. It is estimated that private physicians treat more than 80% of all VD cases, but report less than 20% to the Public Health Agencies.

What do you know about VD? Many are not concerned and don't care, but next to the common cold, gonorrhea has the highest rate of any communicable disease. No longer

can we afford to ignore venereal disease in hopes that it will just go away. Venereal disease is not just one disease, but a group of infectious diseases.

Gonorrhea, commonly called the "clap", "Drip", "Dose", "Morning Dew" or "Gleet", is caused by the bacteria *Neisseria Gonorrhoea*. The gonococcus penetrated the cell walls and lives off the cells' nutrients. The germs are parasites requiring the warm moist membrane of the sexual organs, rectum, mouth or eyes to survive. Once in the body, they reproduce quickly and if not treated early may do irreparable damage.

The gonococcus usually has a short incubation period of 2-8 days. It grows immediately and multiplies continuously. The infected person is contagious and capable of spreading the disease until receiving professional medical treatment for cure.

Early Warning Signs:

In the female—Difficult to know when symptoms begin in

THE CALIFORNIA TECH

females, from 2 to 30 days after exposure, yet only 20% to 40% of all females will have symptoms of:

- 1) Discharge from vagina
- 2) Burning sensation and frequency of urination
- 3) Symptoms in other areas of sexual exposure—sore throat, rectum
- 4) Later warning sign—pelvic pain, due to infection of the female tubes.

Gonorrhea is called the SILENT DISEASE because 60%-80% of females will NOT HAVE symptoms and are unaware they are infected.

In the Male—Symptoms begin in about 2 to 7 days after exposure...90% of all males will have symptoms of:

- 1) Painful burning sensation on urination, or
- 2) Yellowish pus discharge from organ, or
- 3) Symptoms in other areas of sexual exposure—sore throat, rectum.

The discomfort experienced by males will generally force them to seek medical care.

Late warning signs in males:

- 1) swollen, painful testicles
- 2) persistent heavy discharge from organ.

Permanent damage from untreated gonorrhea may cause permanent sterility, abnormal tubal pregnancy, eye infection,

infection transmitted through blood, urinary passage narrowed and peritonitis. Gonococcal infection in newborn babies may result in blindness.

Early treatment is the rule and identification and diagnosis can be made of any urethral discharge symptoms easily at the Health Center. Gonorrhea can be treated easily and effectively with antibiotics. The medication kills only those germs presently in the body, and to be "cured" does not mean to be "immune". Prevention, however, is always better and one of the best preventive measures when properly used is the condom. If applied properly, retained through the period of contact and removed carefully, the prophylactic can be effective in reducing the risk of venereal infection.

Watch next week for more information on related sexually transmitted diseases!

—Lynnette K. Wilmoth, R.N.
Health Center 1-8

Have Prize Will Travel

Recipients of 1981 Junior Travel Prizes were chosen last week. These awards, originated in 1980 as a use for left-over Watson Fellowship funds, allow a few undergraduates to catch a glimpse of the world before they begin their final year at Caltech. The Dean's Office selection committee had a difficult time divvying up the travel money; apparently many of the junior class members jumped at the chance to see the world without joining the Marine Corps. Winners were selected by interviewing the finalists, who were chosen on the basis of essay-type applications.

Five lucky winners will be spending the summer far from Caltech. Samin Mithani will be "doing as the natives do" (pun intended) among the Navajo Indians. Xian-Li Yeh will be putting his German lessons to a real test by living in West Germany. Fred Vachiss will be car-camping around the country, and taking pictures to prove it. Charles Ng plans to extend a trip to Hong Kong to check out mainland China, seeing how the other half lives. At the same time, Jim DeWitt will be journeying to the far-off lands of Bali, Indonesia. Each of these students stands to learn a great deal from his international/intercultural travels, while the rest of the Caltech community anxiously awaits the revelation of their experiences in a future issue of the Tech. Bon voyage!

THE HIT THRIBBONG REBBIT

THERE'S NOTHING FUNNY ABOUT A FIVE MILE ROCK HITTING LOS ANGELES

...or is there?

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Tau Beta Pi Tutoring

The house tutoring system has been useful for students in Ch, Ma, Ph 1 and 2. However, no formal tutoring structure exists to aid students in many other areas. To help meet possible need in these other classes, many Tau Beta Pi members have agreed to tutor the rest of third term:

AMa 85: K.W. Chow, 270 S. Holliston; Lance Dixon, Page; John Hershberger, Lloyd, 578-9166; Todd Olson, Ruddock.
AMe 101: L. Dixon, J. Hershberger, T. Olson, Aph 17; T. Olson
Bi/Ch 110: Jeff Chen, 4 Noyes 127-72, ext. 6553 or 254-7062.
Ch 41: Jeff Chen, Dan Pernich, Lloyd, 578-9294.
CS, Ec 11, EE 14: Will Naylor, Blacker, 356-9208.
Me 5: Forrest Quinn, Lloyd rm. 117, 796-8250.
Me 108: L. Dixon, F. Quinn.
ME 19: K.W. Chow.
Ph 106, Ph 125: L. Dixon, T. Olson.

We hope this tutoring system will get off to an early start next year. If you are interested in tutoring or would like to comment contact me, Forrest Quin, at above room or phone.

To Billie Jane Cedarhill:
Dear Billie,

I love you from deep in my heart and you know that I will always respect you. I know that your heart is pure and kind. I think you are such a nice person so you will forgive me for not turning in a column for this week. Oh, please...with sugar on top....

Love
Ich

P.S. I promise to write on efficient riding techniques next week.

[That's what we need more of, devotion to the things we love.]



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Abortion Discussion

There will be an open-audience panel discussion on Abortion: Rights, Responsibilities, and Ramifications in Winnett Center Lounge, tonight at 7:30 pm. Members of the panel include: Dave Dinsmore, Zero Population Growth, National Organization for Women; Dr. Hugh Anwyl, Religious Coalition for Abortion Rights, Executive Director of Planned Parenthood; Sandra Cohen, National Women's Political Caucus, So. Cal Pro-Choice Coalition.

New Humanities Courses

Two new humanities courses will be offered next year, but are not in the preregistration list because they have not yet been formally approved by the faculty. Students who might like to take these courses can preregister for them later. The courses are:

H146. American Biography. 9 units (3-0-6). Leading Americans as seen through the best of their biographies, with an examination of the changing methods in the art of biography. Instructor: Ridge.

Lit/Psy 150ab. Psychoanalysis and Literature. 9 units (3-0-6). An examination of the ways in which a consideration of both works of literature and contemporary psychoanalytic theory help to illuminate such basic and essential issues as literary interpretation and meaning, the structure of the unconscious, the relation of childhood to adulthood, and the nature of dreams. Authors covered include Wordsworth, Coleridge, Arnold, Plath, Dostoevsky, Kafka, and Mann. Instructors: Breger, Ende. Available for humanities credit only.

Lezgobeach!

There will be a beach party for undergrads at Sunney Chan's house near Capistrano Beach on Monday, May 25th (Memorial Day Holiday). A barbecue is planned. Transportation will be provided. There are sign-up sheets posted in the student houses. The buses will leave around 10:30 am and return to Caltech by 6:00 pm.

Natalie Gruia Plays Soccer Too

An article in last week's *Tech* (5/8/81 issue) which described the Women's Soccer Team's 10-1 victory over the Shakers contained an error of omission. Somewhere along the line between the author's draft and the final typeset copy, a halfback was lost. Apologies to Natalie Gruia from the *Tech* staff are hereby made public. Let it be known to the world (and Ms. Gruia's parents) that she was hustling as much as any other midfielder in the game last week. Good job, Natalie!

Wilbur D. Mills On Alcohol

On Friday, May 22 at 8 pm, Mr. Mills will present a lecture entitled, "Alcoholism: A National Epidemic." This lecture is co-sponsored by the Caltech Faculty Committee on Programs and the Pasadena Council on Alcoholism. General Admission, \$7.50; Patron Circle, \$15.00; Students and Seniors, \$5.00. For more information, see the Mills article in this issue (if the editors haven't lost it) or call 356-4652.

Ramo Chamber?

The Pasadena Chamber Orchestra's final concert of the season will be on Tuesday, May 19 at 8 pm in Ramo Auditorium. The program will include works by Bach and Mendelssohn, and the world premiere of Jonathan Alfred Clawson Redford's "October Overtures." Robert Kenneth Duerr, conductor. Admission: \$7.50 general, \$5.00 students.

GSU Meeting

There will be a meeting of the Caltech Gay Students Union tonight, May 15, at 9:30 pm in room 218 Baxter.

Don Shepard Awards

The winners of the Don Shepard Award for 1980-81, each of whom will receive a check for \$200, are Tracy Furutani, Dabney House; Avideh Zakhori, Women's Annex; and Bimal Wadwha, Ricketts House.

Theresa Has New Hours

Theresa Meisling, Coordinator of Student Activities, announces her new hours: 11:00 am to 5:00 pm, effective immediately. Mrs. Meisling also handles Dabney Lounge reservations. She may be contacted at x6157.

Meet Martin Bernheimer

Martin Bernheimer, prominent music critic of the *L.A. Times*, will speak at 4 pm on May 28 in the Judy Library. Undergrads are cordially invited. There will be refreshments following. For further information, call Aimee Price, x4699.

Private Enterprise Talk

Robert Truax, President of Truax Engineering will give a talk on Monday, May 18 entitled "Project Private Enterprise." The talk will take place at 1:00 pm in 306 Firestone and will concern Truax's project of putting a man in space by private enterprise.

Free Baroque!

The Calarts Cantata Ensemble will be presented in the final performance of the Dabney Lounge Chamber Series on Sunday, May 17 at 8 pm in Dabney Hall Lounge. There is no admission charge for the concert. The program includes the works of various Bachs and Georg Philipp Telemann. Call 356-4652 for further information.

Bandorama

Caltech's Wind Ensemble performs pieces by Bach, Shostakovich, Haydn and Sousa in a concert on Thursday, May 21 at 8 pm in Ramo Auditorium. The Caltech Jazz Band will play music from the swing era to the present. Admission: free!

IBM Prizes

Applications for the IBM-Tau Beta Pi prizes still may be made. The application deadline for the four \$100.00 awards is May 20. Applicants will be selected on the basis of merit, initiative and clarity. Forms may be obtained from Eric Chang (Ricketts) or Bill Naylor (Blacker). Note that students from all options are eligible.

—Eric Chang
Chairman,
Corporate Scholarship Committee

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Automobile Design

The Art Center College of Design will hold a seminar on the art and science of automobile design on May 23rd from 9 to 1:00 pm. Such international renown Italian car designers as Sergio Pininfarina (of Ferrari and the Fiat 124 fame), Giorgetto Giugiaro (who designed the Rabbit) and Dante Giacosa (Fiat design consultant) will be there. C.I.T. students are invited. Please give Florence (225 Guggenheim), Barbara (Art Gallery), or Paula (114 Steele) your name if you wish to attend. (Deadline Wed. May 20th.)

YMCA Camp Counselors

Once again, summer is almost here and the Foothill Family YMCA is looking for young adults interested in volunteering to counsel youngsters for one week at Bluff Lake, high in the San Gabriel Mountains. A select group of college students will find excitement and challenge helping a group of eight elementary-age kids to grow and change. All training, meals and lodging will be provided by the YMCA. This is a perfect opportunity to learn new skills, teach old ones, and have some good, old-fashioned fun. For more information and applications, call the Y at 798-0862 or come by 2750 New York Drive, Pasadena, by May 22.

FROM ONE

sion of "The Student Prince". The love theme will be embroidered by a narration of selected sonnets of Elizabeth Barrett Browning by Caltech's director of theatrical productions, Shirley Marneus.

Apollo Singers will present the Liebeslieder Waltzes of Johannes Brahms, featuring four hands on the piano. The female barbershop quartet will sing "When the Saints Go Marching In" and "Showboat". The male barbershop quartet will present a medley from "Music Man".

Featured soloists of the evening will be tenor Joseph Fuchs, soprano Melanie Moss, and bass Andy Maverick.

Tickets for the Spring Jubilee—\$5.00 general admission and \$2.00 for students and children—may be obtained from the Caltech ticket office at 332 S. Michigan Avenue. For further information, phone 356-4652.

Pointer FROM TWO
see you or any of your liberal ilk coming up with anything yourself. The American public rebuked your kind in the last general election. Face it—you're a dying breed, Dwayne, so why don't you crawl away into a corner and rot?

—R. D. Lang

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