

"Ask Not What Your
Country Can Do
For You —

The CALIFORNIA Tech

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Ask What You Can Do
For Your Country."
—John F. Kennedy

Volume LXXI

Pasadena, California, Thursday, May 7, 1970

Number 27

FRIDAY DECLARED 'OFFICIAL DAY OF MOURNING'

YMCA To Host Four Diverse' Speakers; Simon Here May 14

by E. Gansner

The Caltech YMCA is sponsoring four diverse speakers here at Tech next week, ranging from political leaders to ones involved in social action.

Continuing in the "Future of the Techer" program (started with Wally Baer last week and Lt. Governor Ed Reinecke yesterday and today), the Y has three more alumni invited for the coming week. Today Carl V. Larson, who is involved in creative investment management, will be on campus. Larson is the general manager of Varian Systems of the Minority Enterprise Small Business Investment Corporation. His vocation involves giving advice and money to small black businesses.

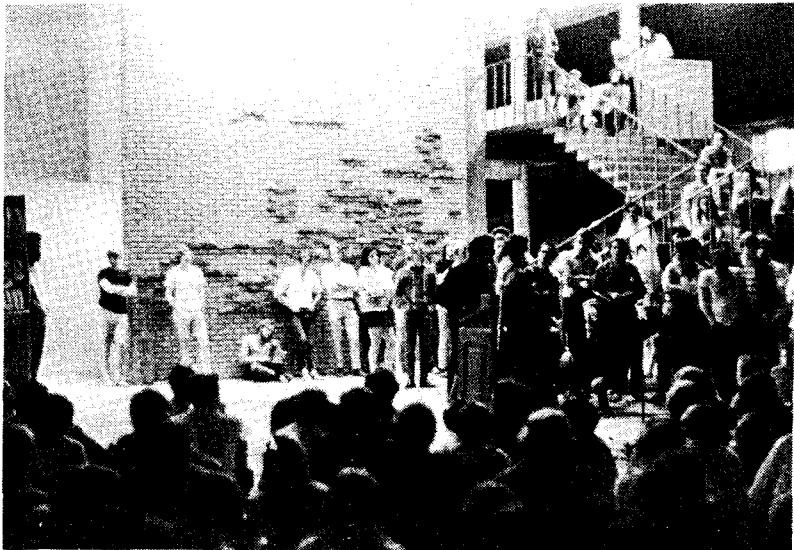
Burt Housman

Following Larson on May 11 will be Burton Housman. He is the director of the Caucus on Dangerous Drugs of the Protestant Community Service. Then, on May 14, Eli Chernow, a law partner in Tuttle and Taylor, law offices, will speak on the possibility of a law occupation for a Techer.

All three will participate in a Drop-in Seminar in Winnett from 4 to 6 on the day they are here, and then have dinner in a student house (Larson in Lloyd; Housman in Dabney; Chernow in Ruddock). Then, after dinner, informal discussion will take place in the respective houses.

Simon to Say

On May 14, the Y is sponsoring a visit by Norton Simon to the campus. Simon is a wealthy Republican industrialist who is running against George Murphy in the Republican primary for Senator. Simon, who is a serious contender in the race, will give an Olive Walk Talk and will have luncheon on campus. This is an excellent opportunity to get to know the political animal better, brought to you by your friendly, local Caltech Y.



CAMBODIA RALLY — 600 Caltech undergraduates, graduates, and faculty gathered Tuesday night on Winnett Plaza to discuss the Nixon decision to pursue into Cambodia. Petition signed by students helped to inspire faculty action.

Cambodia Escalation Sparks Letter Writing Campaign

by Ira Moskatel

More than 250 Caltech students and faculty gathered in Winnett Plaza Friday to protest President Nixon's expansion of Southeast Asian war efforts into Cambodia. Following the rally, 75-100 of the gathering marched to the Pasadena Post Office to mail messages protesting the escalation. Organized by Physics grad student Paul Schechter, the noon rally was "an attempt to unify campus sentiment by doing something in constructive protest." Primary function of the rally was to get Techers to write postcards and letters and send telegrams to Congressional Leaders and President Nixon making their opposition clear. The march extended this purpose by distributing postcards to others in the Pasadena Area to urge them to express their opinions as well.

Noon Rally

The noon rally ended at about 1:00 p.m. with the march immediately afterwards. Marchers headed down San Pasqual to Lake Street, then to Colorado Blvd., stopping at the Garfield Post Office branch where the postcards and letters were mailed. The protesters returned to campus about an hour and one-half later.

Speakers at the noon gathering

included Faculty representatives Lester Lees of Aeronautical Engineering, Morgan Kousser of History, and George Hammond of Chemistry. After the march, students with extra postcards distributed them to campus personnel, urging them to follow suit in displaying their dissatisfaction with Nixon's conduct of the war.

College Reaction

Reaction to last week's Presidential decision to pursue Viet-Cong and North-Vietnamese regulars into Cambodia has been pronounced at every college campus. Congressional action was immediate, also. Senator George Aiken (R-Vt), and Majority Leader Mike Mansfield both spoke out against Nixon's action. Aiken, a Republican, had not been expected to oppose the Nixon move. Letter writing campaigns, such as the Caltech effort, are vital in a case of this sort, because Republican Congressmen will need concrete support if they are to oppose a request by a President belonging to their own party.

Nixon is scheduled to meet with at least four Congressional Committees, starting this week. The last time a President was requested to testify at Congressional hearings was in 1919, when Woodrow Wilson appeared before the Seante Foreign Relations Committee.

'Organized Academic Activities' Suspended; Talks, Groups Planned

by Phil Neches

After consultation with Dr. R.F. Bacher [provost and vice-president of the Institute], Dr. R.F. Christy has issued the following statement: "Friday, May 8, is declared an official day of mourning at Caltech and all organized academic activities are suspended."

Concurrently, Robert S. Fisher, President of the Associated Students of the California Institute of Technology, announced tentative plans for activities for Friday. The activities announced fall into three main classifications: education, commitment, and action.

Education

A series of day-long seminars, probably to be held in clubrooms, includes such topics as background information and analysis on Southeast Asia, International and Constitutional Law, American Government, and domestic problems. Students from other campuses will probably participate in some of these groups.

Also, issues which came up at the faculty meeting yesterday will be aired. These cover various proposals concerning future involvement and possible action by the Caltech community. Under one such plan, the academic calendar for next year would be revised to include a week in which normal academic pursuits would be set aside for a study of the crisis in our society. Another plan would have as much as two weeks off during General Elections so that those who wished to become active in political campaigns could do so.

Commitment

A rally on the Olive Walk has been slated which will be directed to the issue of commitment to work for social change. Vocations for Social Change — a group which attempts to find jobs for concerned people in which they can do something to directly benefit society — may make a presentation on summer jobs of social significance available to Caltech students.

Also, a series of groups will consider what action can be taken. Specifically, political campaigns, R.O.T.C., and the Board of Trustees will be topics on which groups will attempt to express a range of views.

Talk to a Trustee

An attempt is currently being Continued on Page Six

Annual Caltech Band Spring Concert Set For This Saturday

by Kirby Fong

The Caltech Band will present its annual spring concert this Saturday at 8:30 P.M. in Beckman Auditorium. The program begins with four peices performed by the Caltech Stage Band, a subset of the Caltech Band, which also performed at the Arbor Day ceremonies last March. Next on the program are a clarinet and bassoon duet and a brass sextet. The first half of the concert will conclude with the Stravinsky Octet for Wind Instruments. The full band presents the second half of the concert which includes works by J. S. Bach, William Schuman, and Robert Russell Bennett. Featured will be the Vivaldi Concerto for Two Trumpets and the Finale of the Shostakovich Fifth Symphony. ASCIT members are admitted free to the concert.

The Caltech Band is one of the most active extracurricular groups on campus. Football fans will recall the entertaining half-time shows put on by the "marching"band at the games last fall. A five-man German band enlivened several basketball games last winter. The full band first appeared last fall at the Homecoming Day picnic October 18 in front of the gymnasium. Next the Band played at the inauguration ceremony for Dr. Brown and later a concert on the Tomorrowland stage at Disneyland. The outdoor concert is a congenial medium for the Band Continued on Page Four

Cleaning the Air - by Gas



CLEAN CAR—A variety of exhibits and activities contributed to the success of the ecology program at Cal Tech during National Environmental Teach-In Week, April 19-24. The Pacific Lighting Cos.' smog-abating natural gas vehicle (shown above) was one of the popular displays. It gained widespread attention from members of the faculty and students. Southern California and Southern Counties Gas Cos. are utility subsidiaries in the Pacific Lighting System.

News Briefs

218 Accept Admission to Tech

With the final deadline for candidate reply past, the Admissions office reports that a total of 218 have accepted admission for next September, including 31 girls. The ratio of female acceptances surprised many: 31 out of 39. However, at 187, the number of male acceptances seems rather low.

Many had predicted that admission of girls would raise rather than lower the rate of male acceptances.

Transfer admissions will raise the entering class to about 225, thus putting the number exactly half way between the limits Dr. Bonner gave a few weeks ago (more than 175, less than 275).

IHC Accepting Nominations For Faculty Committees

Nominations for student representatives to the following faculty committees are now open: JPL Relations, Curriculum, Academic Policies, Musical Activities, Relations with the Community. See your house president or Don Smith for details very soon.

Lost Weekend Tomorrow!

Forms are available from any of the house social chairmen or from Craig Broskow (201 Page) to attend Lost Weekend this year. Some of the events scheduled are the prom dinner and dance on Friday and a

beach party on Saturday. "Don't put off to tomorrow what you have to do today," advises Social Chairman Broskow.

ASME Student Paper Conference At Caltech Tomorrow

This Friday and Saturday the annual ASME Student Conference will be held in 153 Noyes. Technical papers will be presented from college students representing Arizona, California and Hawaii. Anyone interested is invited to the presentations which will take place Friday morning and evening and Saturday morning.

Continued on Page Eight

The CALIFORNIA TECH wishes to clarify the lead article which appeared in the News Briefs column of last week. We wish to retract any statement of connection between the explosion and the Ecology Teach-In. As was stated in the article, there is no evidence linking the two events. Campus Security sources did make the statements paraphrased in the concluding paragraph of the news item.

In any large gathering of people, such as the Ecology Teach-In, there are individuals drawn from the surrounding community by the noise and masses of spectators. We can only presume to extrapolate the Campus Security Officer's remarks to include that type of individual.

It is the responsibility of any news-gathering organization to either substantiate statements prior to publication or to properly identify the source and his justification. The CALIFORNIA TECH humbly apologizes for any false impressions which may have been created by the aforementioned News Brief and hereby retracts all statements as to the perpetrator of the explosion.

A Reaction

This has been a violent week. Riots at Yale over a Black Panther meeting, Stanford still hot, four students killed at Kent State. Dozens of campuses are erupting.

We seem to be doing something wrong, consistently wrong.

The conservatives say the communists are starting it, that today's youth is amoral, and the college and the college administrators should rule with an iron hand. Yet the very claim of morality is the cause and ruler of protest. Who is Right?

Who cares?

In the name of morality, the world has been amoral. It has oppressed over infinitesimal differences, murdered over trivialities, and ignored its own cruelty.

A lot of people suddenly care — that's the problem. Perhaps the media, you say now that we can see the killing, is responsible for our new vision. Perhaps, technology, they say, is making natural death so rare that we now notice unnatural death. I say:

Who cares?

We've got to do something. Morality has nothing to do with whether communism is right or whether free love is indecent.

Who cares?

Morality is starting to mean knowing how to live with people. No matter what you believe in, *that's what it meant in the Beginning.* We've been doing something wrong, consistently wrong in the meanwhile.

Morality is caring and knowing when not to care. Sure, you're wrong about economics and society and theology.

Who cares?

If you are dead, I cannot care.
If you are inhuman, I cannot care.
If you are human, I *must* care.
I must be able to look at you and say you are like me in some small way.

The whites feel challenged.
The blacks feel like exploding.
We either look up or we look down, we never look into one another.
We fight to be equal or to maintain our inequality.

Who cares?

*If you are dead, we cannot be equal,
and I cannot be better. I cannot be satisfied
and you cannot look up to me.*

IN THE END IT IS ALL THE SAME.

—Ira D. Moskatel

I do. —Paul Levin

This Friday, students, faculty, administrators, and perhaps even trustees will search for answers to issues which have strained the fabric of our society to what seems the verge of collapse. Whether any concrete solutions will issue from that day of concern, only the future can tell.

But something can be said in advance about the nature of any rational solutions. Simply, no extreme will be followed.

Social problems differ from technological and scientific ones in that no exact answer can be found, and a wide variety of approximations to solutions are equally reasonable. Consequently, a logical mind must often be an uncertain one. Since a range of responses are possible, the logical mind rejects jumping onto a single bandwagon, to the exclusion of all others.

We have many options to choose from: let us not exclude all but one, for this is exactly what polarizes society and will only worsen the situation. Let us examine ideas to discern which are contradictory, and which are really compatible, whether they appear so at first or not.

And then, let us try to effect whatever conclusions we come to, but still retain the realization that the test of an idea is how it affects men; that we could still be wrong; and that our solution is not complete. With this attitude, we can make the world better; without it, we shall only heap wood on the pyre.

—Philip M. Neches

Letters

Stein Attacks "Spiro Agnew Journalism"

Dear Editors,

It's nice to see that Spiro Agnew type journalism has reached the level of the college newspaper. Your headline "Violence Mars End of Ecology Week Activities" is the most blatant piece of yellow journalism I have heard of since some government official claimed that Earth Week was 'communist inspired'. Your article states that "no concrete evidence exists which links"... Earth Week and the bombing. You also state the "Campus Security *thinks* that some

relationship *might* exist. Aside from the poor advisability of printing random meanderings of the security guards, where do you come off printing a headline which links the two events? You don't make any direct accusations but the headline implied an awful lot. Why don't you just go all the way and blame the events on communist-supported, hippie-type, New Left radical outside agitators? If you're really looking for seedy scapegoats to pin the crime upon, you might as well arrest me!

The job of the campus cops is to investigate crimes; your job is to report facts and unsupported opinions *without* confusing the two. Apparently, you can't separate the two categories.

Disgustedly,
Alan Stein

Kirsch Proposes Student Meal Innovations

Dear Editor:

The waiters of my house have suffered lately from too long working hours, in addition to which the members of my house, having only seven days a week in which to do homework, are suffering from a lack of sufficient study time in spite of the fact that almost everybody has been saving every precious moment of time for study. Extensive interviews with members of other houses have revealed that all Teckers suffer from this time problem, and, moreover, that the present dilemma has universally boiled down to difficulties with the excessive length of dinners. Consequently, rather than selfishly presenting the results of my pain-

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Paul A. Harmon

The CALIFORNIA Tech

Thursday, May 7, 1970
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Throop Beat

Admits and Monoliths

by Etaoin Schroedlu

The deadline for receipt of acceptances of cancellations by our admitted candidates has passed, with (as of Monday) 218 accepts and about 50 persons not yet heard from. Most of these are probably just not going to tell us that they're not coming, but at any rate letters from us cancelling their admission are being sent out now. The final tally on females is 31. As some members of the committee suspected, interest in Caltech seems to have risen slightly, as reflected in the matriculation rate, and the total admitted number of 326 was almost too many.

Monoliths are Extinct

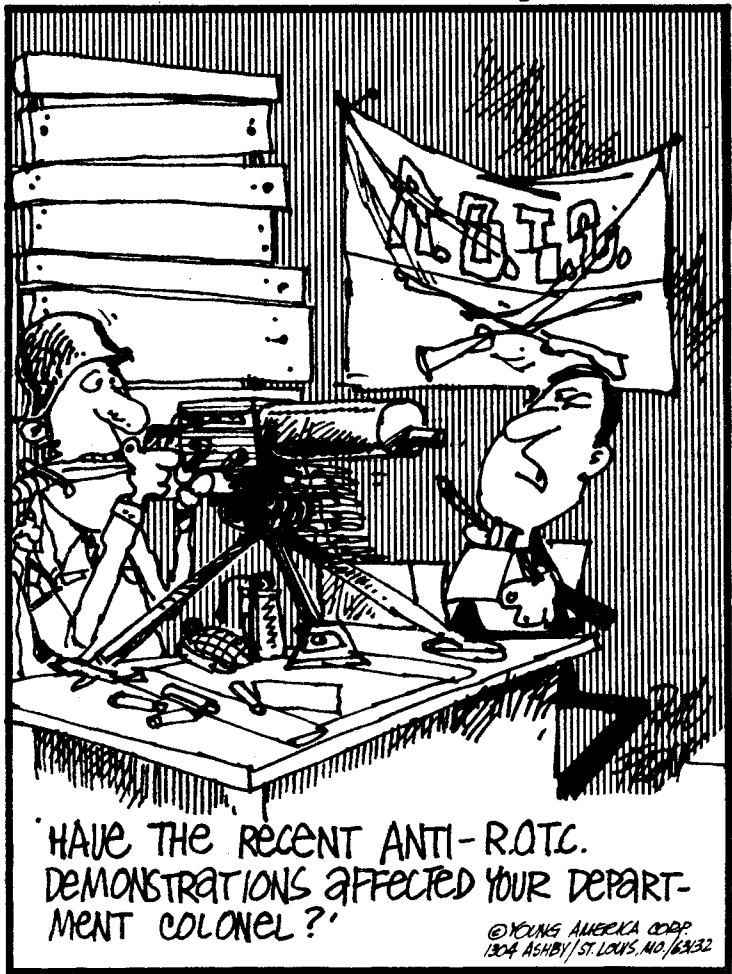
I was slightly perturbed to read in the *Tech* last week the comment by Bob Fisher, concerning appointments of students to faculty committees, that "we're going to have to fill them with responsible spokesmen for our points of view." I hope that Mr. Fisher will more fully explain in the future what points of view are included in the term 'our,' because I have a sneaking suspicion that he is falling into the trap which so many people around here (students and administrators alike) fail to avoid, the trap of assuming that there is any such thing as a monolithic 'Student Opinion' at Caltech, and, worse, that any particular spokesman or group of spokesmen are fully

legitimate representatives of that monolithic opinion. *There is no* monolithic student opinion. ASCIT does not speak for the students. The *Tech* does not speak for the students. No one around here, in my opinion at least, can satisfactorily prove that they speak for the students. And that is how it should be, since the students here are intelligent enough not to need paternalistic, in-group politician types to lead them and take paternal care of them. I hope you know all this already, Bob, and don't need me to tell you, but it's worth pointing out again.

So They Tell Me Dept.

The Parking Committee is still chugging along. . . . In his infinite wisdom and concern, our estimable President of the United States seems determined to give all future military personnel (that's us) a choice of Southeast Asian countries to visit. . . . The Wily Willie Armstrong rallye was very tricky, indeed. . . . If you're tired of such random issues of the *Tech* as the one last week, your helping hand might be appreciated. . . . We're watching with great interest to see the result of the Chemistry option's move to eliminate course requirements. This could be a very significant step in a very desirable move toward a more individual, stimulating educational system here at Caltech.

FRANKLY SPEAKING by Phil Frank



Saturation Advertising: Key To Commercial Success

by Ira Moskate

"Norton Simon, a dynamic capitalist, is not a professional politician."

So begins a series of radio and television commercials heard at least once every fifteen minutes on some radio station in Los Angeles. Simon is running for the Senate, they say; and he thinks that every family who is paying for its own home, or which is saving up to finance a college education is practicing "Dynamic Capitalism." "The trouble with today's youth is that they don't understand capitalism — from General Motors down to the corner grocery store."

This is Saturation Advertising — keeping a product or person's name in public view by repetition. The commercials or printed advertisements are kept short or small — and very regular. They are also kept simple, free from artistic or creative impulses.

MAC Western Advertising News, an Ad agency's "bible" calls this "Massive Multimedia Advertising." Weiner @ Co. of San Francisco is handling the ad placement. Sixty, thirty, twenty, and ten second spots are planned for television with sixty and twenty second spots on 40 Southern California radio stations. Similar "simple" ads are planned for *Life*, *Time*, *Newsweek*, etc., (*The California Tech*.) according to MAC.

Necessity for Simon

In Simon's case this is a necessity. Norton Simon is, obviously, a man of conservative leanings. His opponent, George Murphy, is also conservative, and the incumbent. Simon cannot rely on issues to defeat Murphy. California politicians are still very skeptical about his chances of defeating the popular ex-dancer.

Simon is wealthy, extremely wealthy. For a politician, particularly a man with no public history of philanthropy, vast wealth can be a negative factor. Much the same as a wealthy farmer will drive an Oldsmobile rather than a Cadillac in order to prevent his customers from thinking he has lost touch, so must a politician make his constituency-to-be think that he is well-to-do but still one of the people.

The Birds Is Coming

The first companies to use this form of repetitive advertising were the motion picture companies. Everyone has seen the sign "The Birds is Coming." Such signs appeared everywhere for six months prior to the premiere of the

Hitchcock thriller. By the time the release date was imminent, it was only a matter of saying when and where the movie could be viewed. Movie fans ran to see it.

Norton Simon is conducting the same kind of campaign. No real issues are presented in the advertisement (only college students react immediately to his phraseology.) I expect that the ads placed in the week preceding the June 2 elections will simply say "Norton Simon, a Dynamic Capitalist — Vote June 2." Ergo, vote for Norton Simon.

No Opinions

When viewing this type of advertisement, one immediately wonders whether a candidate, or a product, could be successful with-

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Miller Makes It Right

Don't Wait Up, Golda

by David Miller

That Thursday, (June 11, 1970, it was) TWA Flight 270, non-stop Los Angeles to Wichita, looked routine enough to the stewardesses watching the people filing onto the plane in Los Angeles from Gate 69B in the TWA Terminal: More or less the usual mixture of travellers: mostly professional types, a few students and servicemen, some who didn't fit any of these categories, such as the old man who was helped to his front-row window seat in the first-class section by a cheerful young man. Marilyn, who happened to be the nearest stewardess at the moment, didn't think the old man looked well, but the young man gave her a note from a Dr. Harlan Clarke who assured the airline that Arthur C. Ellison would not be harmed by air travel.

Surprising Note

The note would have surprised a number of people at the Huntington-Sheraton in Pasadena, who had been under the impression that this was the electronic dummy which helped make Jeffery Steven Reynolds *The World's Greatest Ventriloquist* but the impression was wrong, and anyway they were in Pasadena. And the clicking when "Arthur" sat down was just the sound of buckling the seat belt or something.

Extra Attention

Marilyn decided to give this passenger a little extra attention when she found that the young man wasn't going along for the ride. Yes, he knew the passenger would have to climb some steps in Wichita, but there would be somebody to meet him, and he really wasn't very heavy. Thus assured, Marilyn was somewhat shocked to see the passenger slumped back with his arm crammed uncomfortably against the wall of the plane as it leveled off and headed east.

As soon as the recorded voice stopped explaining the oxygen mask, she would go over and see if he had had a heart attack or...then she dropped the oxygen mask as he tilted forward a little, and his face fell off, followed by his hat, thus revealing the plastic blandness of a department-store mannikin's face and a speaker grill in the top of the head, from which blared forth a stentorian voice, saying "This is your robot hijacker speaking. I contain a very large bomb which will be used if any attempt is made to dismantle me. You will obey my orders. My right arm contains a drill, and a shortwave antenna

The Third Wing

This time I thought I'd start with the text of a March 13th address by Richard M. Nixon. Few of you probably heard it, although it was on radio and television.

"We began by asking ourselves the question—was the policy we inherited from the [previous] Administration good enough? And our answer was no, because of its results..."

"We found that we had inherited a budget, a policy, which if continued as recommended by the previous Administration would have added to the national debt. This would have meant, had we approved the policy, more controls and higher prices for all Americans. We found that despite record spending for military purposes, that, in our

efforts to be strong everywhere, we weren't strong enough anywhere. So, since our former policy had failed, we then asked ourselves the question: what kind of a new policy should we adopt?"

"In determining what the policy should be, we decided to find out what they [the Communists] were up to. We found that militarily, apparently, their plan was to destroy us by drawing us into little wars all over the world with their satellites, and where, due to our inability to bring to bear our great superiority on the sea and in the air, we would be unable to win those wars. We found that, economically, their plan, apparently, was to force the United States to stay armed to the teeth, prepared to fight anywhere in the world that [the Communists] chose."

"Why? Because they knew this would force us into bankruptcy, that we would destroy our freedom in attempting to defend it."

We decided that we would not fall into these traps."

Yes, this is what Nixon said, after just 14 months in office. Of course he was Vice President at the time, and Republican Vice Presidents tend to talk a lot.

Why, then, if even the Old Nixon was so opposed to quagmire wars, is he plunging into Laos and Cambodia? (Late note: Nixon feels that American troops only need to be in Cambodia for seven weeks.) Probably because he really didn't have much choice. If Laos and Cambodia fall into North Vietnamese hands, there is a good chance that the United States would have to either

send troops back to Vietnam that have come home, or just abandon Vietnam entirely, possibly playing Dunkirk. A lot of Americans would rather send in more troops than lose a war.

Prince Souvanna Phouma of Laos, who still has some sense of humor about the whole thing, recently mentioned that the North Vietnamese seem to be trying to replace French Indochina with North Vietnamese Indochina. That would probably make Ho Chi Minh turn over in his grave, but it seems accurate.

Since you probably find it hard to believe that North Vietnam could really do very much damage, I shall give you a few facts to chew on. First, North Vietnam has one of the largest standing armies in the world, larger than that of Nationalist China now. They have twice as many ground forces as Laos, Cambodia and Thailand combined (remember Thailand?). They outnumber the South Vietnamese army by several divisions, and so far seem well trained in diverse styles of fighting. The South Vietnamese navy and air force seem large in numbers of men, but close study shows that they have a lot of men standing around without ships or planes. Thailand has a good navy and air force, but has few ground troops compared with North Vietnam. Laos and Cambodia are even worse off in a war. Without United States support of some kind, North Vietnam could overrun the rest of Indochina in relatively short order, say a couple of years. Start thinking about that. More next week.

—Nick Smith

With Burger & Blackmun

A Court for all Seasons

by Phil Neches

President Nixon and the Senate seem to be perpetually at one another's throats over Supreme Court nominations. Chief Justice Burger received more than the normal static from the Senate, and the nominations of Judges Haynsworth and Carswell failed to receive the advise and consent of the Senate, a rare defeat for any President.

Consider Nixon's four nominations in order. First, Burger appeared at the time of his nomination to be a moderate and capable judge, not colorful, but competent. In one of his first cases, Chief Justice Burger led a unanimous Court to the conclusion that "all deliberate speed" means "quickly, if not immediately." While the decision may have been inevitable, it proved embarrassing to the Nixon administration. Burger thus must be considered independent of political pressure, for no doubt many in the Nixon administration expected Burger to take a "soft Line" on integration.

Improper??

Having filled the post opened by Earl Warren's retirement, Nixon then attempted to fill the Associate Justiceship opened by Abe Fortas's resignation. Nixon's first appointment, Clement Haynsworth, seemed a competent jurist, but apparently the Senate Democrats could not stomach "the appearance of Impropriety" in the judiciary. What the Senate believes for itself seems to be another matter entirely. Not, they say, that Haynsworth did anything wrong, just that it ap-

peared that by stretching the circumstances he could have. (Behold, a new crime has been invented, "The Appearance of Impropriety." Apparently only judges can be guilty of it. Mortal Congressmen are exempt.)

Undaunted, the President sent another Southerner and "Strict constructionist" up for the post. But that he could have even matched Haynsworth with his second nomination. Carswell lacked even the reputation of Haynsworth in the legal profession, and has since decided, "If you can't beat 'em, join 'em."

Mediocrity Forever

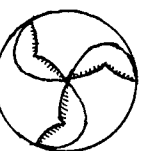
Of course, Senator Roman Hruska will never live down his defense of Carswell as the "mediocre people's justice." We cannot all be Brandies or Holmes or Frankfurter or John Marshall. But at least, we could have a first-rate Supreme Court, Senator.

With the rejection of Carswell, Mr. Nixon cried "never again" to the idea of nominating a Southerner. For once, Strom Thurmond found company on the Left in his disapproval. The Senate will probably speedily confirm Judge Blackmun, who has gained the reputation for careful and cautious interpretation. Peace and harmony will supposedly then prevail.

Strict Construction Is...

Those crying for strict construction (whatever that is) will probably be disappointed with the course of the High Court. The chances that any of the landmark decisions of the Warren Court will be reversed

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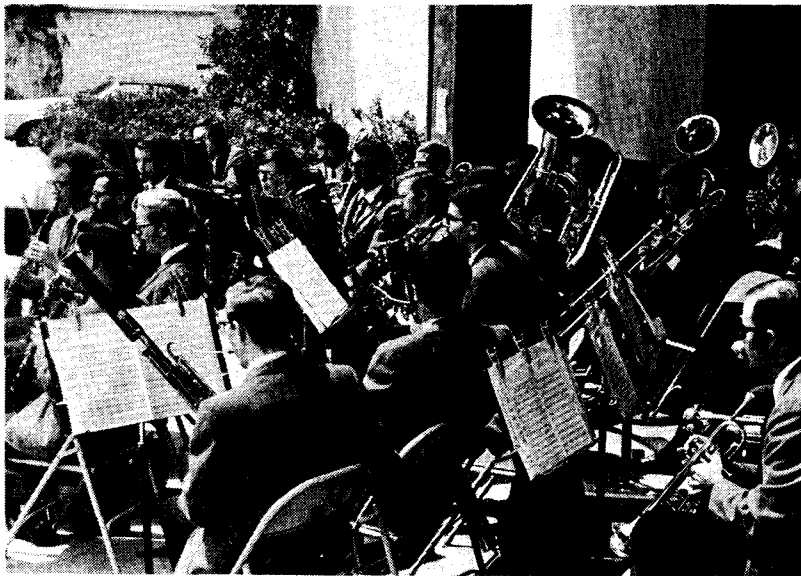
CULBERTSON HALL
Friday, May 8
7:30 p.m. and 9:45 p.m.

And the Band Played On

Continued from Page One

which performed noon concerts outside the bookstore February 27, on Students' Day, and at Immaculate Heart College on May 1. The Band will finish the year with another of these concerts on Alumni Seminar Day, May 16.

Next year the Band will further expand its activities. The principal activity will be a concert tour to northern California during the spring. The Band also intends to give more off campus performances which will be a public relations benefit not only to the Band but to Caltech as well.



ALWAYS READY FOR ACTION, the Caltech Band continually strives to entertain its audiences with the best in classical and popular music. As ASCIT recently increased its subsidy to the band by 50%, we can expect to hear even bigger and better things from that organization in the future.



The Dillards And Others Return

Since there was no column last issue, this column covers two shows. It is not a total loss, since Bolland and Somerville will be back, I believe at the beginning of June, and the other acts from last week's show may be back someday.

Jean Durand and the Dynasty opened the show, and they are quite good. They do quite a strange assortment of music, and reminded me of a cross between Brasil '66 and the Association. The vocals are primarily by the six main members, three guys and three girls. They solo beautifully, and blend in harmony when they aren't soloing. Their three numbers that impressed me most were "Angel of the Morning" and "Got to Get You Into My Life." (Think about it) Anyway, I hope they come back soon, because they are definitely worth seeing.

Priscilla Paris is a pretty person in purple who sings her own material. She's no Joni Mitchell as a songwriter, but some of her songs were quite well written and well performed. My favorite was one that she wrote about a cat, called "Tail of Woe." If what she said was true, she didn't notice the allegories in the song until after she had finished writing it, but it was a beautiful song on any level.

Bolland and Somerville were fantastic. There is no other way to describe them. I have heard them several times, including television appearances, and they sound better each time. Also, their repertoire is so vast that you don't find yourself knowing what song comes next in the set, the way you do with some performers. They did a medley of old hits, like "Chances Are," "Let it Be Me," and "All in the Game." They did rousers like "Hey, Nellie Nellie" and "Enter the Young," as well as soft ballads like "Jean" and "Bridge Over Troubled Waters." All of them were done beautifully, and in some cases better than the popular versions. Anyway, go see Bolland and Somerville when they come back in a few weeks.

On to the current show.

Fran Nelson opens the show, a

pretty little singer and guitar player from Texas. She writes much of her material, and her writing is good. Somehow, though, she didn't sound quite professional or believable on most songs, including her soft blues numbers. She was at her best on songs that more resembled ballads than on pseudo-gutsy blues things. She isn't ready for the top yet, but I think she may make it.

At this point I should mention Lily Tomlin, the telephone operator from Laugh-In. She is dropping in at the Ice House regularly while trying out new material, and does some very funny things. Lately she has been there at least once or twice a week, and she is better than most of the billed comedy acts. I hope you are lucky enough to be at the Ice House when she drops in.

George Hopkins was back at the Ice House, and I must say that he is at his best. I have the feeling, after seeing him at least three or four times, that he performs best with a near-full house. His comedy material hasn't changed very much from previous appearances, but his smoothness has, and he is good when he has his smoothness.

The Dillards are the featured act, and I can find only one fault with their performance: they talk and clown so much that they squeeze music out of their act. They are excellent musicians, and quite funny as comedians, but I think the former is more important. After all, "Listen to the Sound" didn't need a laugh track to be popular. Maybe they relax by clowning, but I really like their music, and the distractions were just a little too much this time. If you like the Dillards, though, you'll put up with a lot.

As is mentioned somewhere in the paper, Juarez will be available to play for events after next Wednesday, so House and ASCIT Social Chairmen should start thinking. They will be back at the Ice House late in June, and their record is out and available locally. They are definitely worth listening to.

—Nick Smith

Rockefellers Aid Family Planning

The following excerpt is from an article appearing in the special May Ecology issue of *Ramparts Magazine*. Reprinted with permission of *Ramparts Magazine* (copyright 1970).

by Steve Weissman

In June 1952, John D. Rockefeller III, father of four, eldest grandson of Standard Oil and chairman of the Rockefeller Foundation, hosted a highly select conference on population in Colonial Williamsburg. To this showpiece of historical conservation, restored by the Rockefellers to its pre-Revolution beauty, came some 30 of the nation's most eminent conservationists, public health experts, Planned Parenthood leaders, agriculturalists, demographers and social scientists.

After two and a half days of intensive discussion, they agreed to form a new group which could act as "a coordinating and catalytic agent in the broad field of population." The following fall, John D. publicly christened The Population Council and announced that he himself would serve as its first president. With this act of baptism, the population bomb became a Rockefeller baby.

Small Potatoes

In the decades previous, birth control had been largely small potatoes. The Rockefeller Foundation, together with the Milbank Memorial Fund, had, in 1936, provided John D.'s alma mater, Princeton, with an Office of Population Research. Mississippi, Louisiana, Georgia, Florida and the Carolinas pioneered programs for the (sometimes voluntary) sterilization of the poor.

Planned Parenthood, a direct descendant of Margaret Sanger's American Birth Control League, struggled to provide America's poor with free counsel and contraceptives. Guy Irving Burch's Population Reference Bureau, long the leading educator on population dynamics, was little more than a one-man show, as was the Hugh Moore Fund, set up in 1944 by the

founder and board chairman of Dixie Cup "to call to the attention of the American Public the dangers inherent in population explosion."

Once the Rockefellers joined the family, however, family planning became a very different kind of business. The Ford Foundation, Carnegie, the Commonwealth and Community Funds, the Mott Trust and the Mellons joined with John D., his mother, his sister (banker wife of Jean Mauze), his brother and their financial adviser, AEC chairman Lewis Strauss, in pumping fresh blood and money into the Population Council, some of which even trickled over into the Reference Bureau and Planned Parenthood. Wealthy Englishmen and Swedes and their third world associates joined with the Americans in making Planned Parenthood international.

The World Bank, headed by Chase National Bank vice president and future Population Council director Eugene Black, put its money behind Princeton's pioneer study on population and economic growth in India. Where birth controllers once went begging, now guest lists at Planned Parenthood banquets and signatures on ubiquitous New York Times ads read like a cross between the Social Register and Standard and Poor's Directory of Corporation Executives.

Interest Equals Money

This sudden interest of the world's rich in the world's poor, whatever the humanitarian impulse, made good dollars and cents. World War II had exhausted the older colonial empires, and everywhere the cry of nationalism sounded: from Communists in China and Southeast Asia, from nationalists in Indonesia and India, from independence movements in Africa and from economic nationalists in Latin America. People wanted their own steel mills, use of their own oil and

iron ore and, most menacing, the right to protect themselves against integration in an international marketplace which systematically favored the already-industrialized.


Save the Species

But the doughty old buzzards of empire were determined to save the species. They would pay deference to the new feelings by encouraging a bit of light industry here, and perhaps even a steel mill there. To give the underdeveloped areas what Nelson Rockefeller termed "a community of interest with us," and to extend control, they would give public loans and foreign aid for roads, dams and schools. Their foundations and universities would train a new class of native managers who, freed from outmoded ideologies, would clearly see that there was more than enough for both rich and poor.

But there wasn't enough, especially not when the post-war export of death-control technology created so many more of the poor. The poor antions rarely came close to providing even the limited economic security which, as in Europe of the Industrial Revolution, would encourage people to give up the traditional peasant security of a large family and permit the population curve to level off.

In fact, for much of the population, the newly-expanded money economy actually increased insecurity. Faced with this distortion between fertility and develop-

Continued on Page Six



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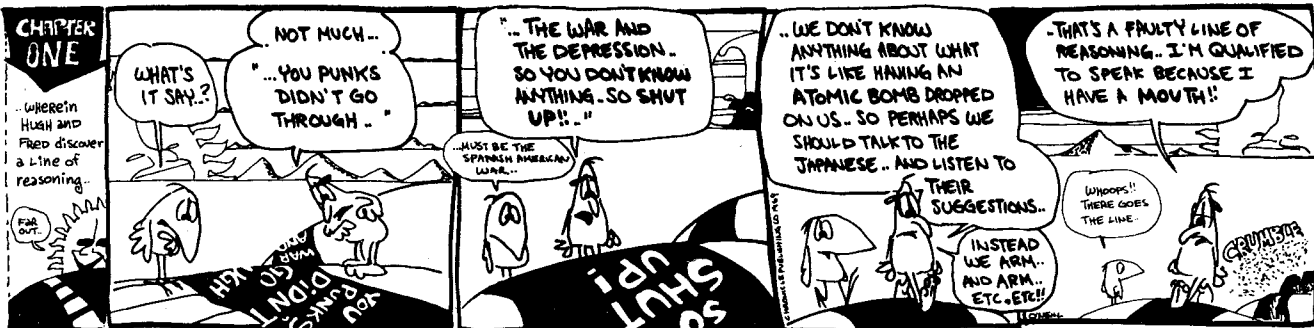
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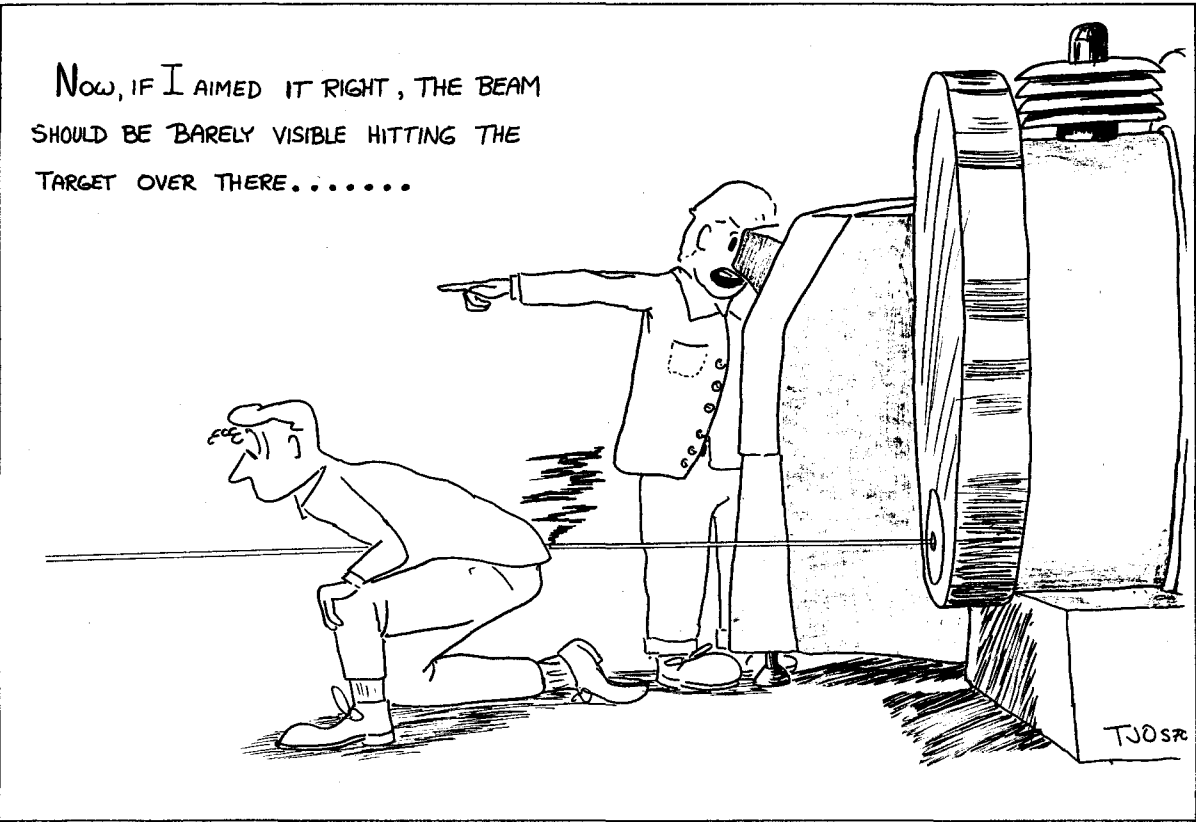
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Strict Constructionists Court Disaster

Day of Mourning

Continued from Page One

made to include some time on the agenda for the Board of Trustees' meeting this coming Monday and Tuesday for the Trustees and students and faculty to meet together and exchange views on many of the pressing contemporary issues. The Trustees hopefully will be able to find time in their busy schedule for this. No further details on this plan are available as we go to press.

Dr. Christy's announcement follows a week of activity which many observers have described as "unparalleled" in Caltech's history, starting with a rally and march concerning President Nixon's decision to send U.S. troops into Cambodia [see story, page one]. A student rally at lunch Tuesday at noon, followed by a larger rally

Continued on Page Seven

Continued from Page Three

must be rated as somewhere between nil and non-existent. Also, the Court will doubtlessly be called on to interpret these decisions in new sets of circumstances, so that the prospects of any end to "judicial meddling" seem similarly remote.

Probably, those who call themselves strict constructionists have little concept of what the term means. A strict constructionist interprets the Constitution literally. Hugo Black has been the prime example of this, and his opinions would hardly please the "strict construction" crowd.

Liberal As Ever

All of this reflects the simple fact that the Constitution cannot be spoken of as a "liberal" or a "conservative" document: it is both, and it is neither. To attempt to achieve a liberal or conservative Court would be self-defeating and dangerous in that the balance of power would be jeopardized.

Even one so "conservative" as Attorney General Mitchell praised the Supreme Court for having made "the very, very best" decisions for America. The history of the Court has always been stormy, and the role of the Court always to lead the way. So things will continue, to our benefit.

It is a strange commentary on our institutions that the branch of government most insulated from the public and most undemocratically selected should prove the most progressive.

Rockefeller Millions vs. Earth's Billions: A Race Against Time

Continued from Page Four

ment, developed country elites could see no natural way of stopping population growth. All they could see was people, people, people, each one threatening the hard-won stability which guaranteed access to the world's ores and oil, each one an additional competitor for the use of limited resources.

More Than an Explosion

More people, moreover, meant younger people, gunpowder for more than a mere population explosion. "The restlessness produced in a rapidly growing population is magnified by the preponderance of youth," reported the Rockefeller Fund's overpowering *Prospect for America*. "In a completely youthful population, im-

patience to realize rising expectations is likely to be pronounced. Extreme nationalism has often been the result."

It was to meet these perils of population that the Rockefellers and their kindred joined the family planning movement in such force. But until they had completed a much more thoroughgoing prophylaxis of the new nationalisms, and had worked out an accommodation with Catholic opposition, they were much too sophisticated to preach birth control straight out.

International Dilemma

For all their domestic concern, however, population planners were primarily absorbed in "the international dilemma" and the problems of "economic development." Like

Walt Rostow, Max Millikan and the authors of the Rockefellers' *Prospect for America*, they emphasized top-down national planning, Western-influenced elites, foreign aid penetration, and the use of economic growth, rather than distribution and welfare, to measure development. As a result, their plan for population bore a scary resemblance to the first Vietnamization which was then recasting the educational system, banking and currency, public works, agriculture, the police, and welfare programs of Vietnam into an American mold.

The New look in intervention got a good test in the Indian famine of '65 and '66—until Biafra the best-advertised famine in recent times, and a major boost for the population control campaign.

syndicate, together with India's Birla group, needed government support for what would become "the largest urea and compound fertilizer plant in this part of the world."

Call Them 'Strings'

But Western pressure was of little avail until the failure of the summer monsoons in 1965. Then, in the words of the World Bank's Pearson Report, "Instead of signing annual or multiyear [food] sales agreements, as with other countries and with India itself, in earlier years, the United States doled out food aid a few months at a time as policy conditions were agreed upon."

India, faced with a short leash on food supplies, acceded to the foreign pressures. "Call them 'strings,' call them 'conditions,' or whatever one likes," boasted the New York Times, "India has little choice now but to agree to many of the terms that the United States, through the World Bank, is putting on its aid. For India simply has nowhere else to turn."

Steve Weissman is a member of the Pacific Studies Center in Palo Alto, California. The Center is a research collective specializing in the social, political and economic dimensions of American capitalism. Projects range from studies and publications on U.S. involvement in the Third World, multi-national corporations, labor problems, high finance and environmental destruction, to films on ecology and inflation.

This Is A Recording

Continued from Page Two

staking research only to my own house, I wish to share them with everybody by submitting this letter to your outstanding publication. The proposals are as follows:

Proposal

1) Indications are that it would be no problem for the innovative food service to set up conveyor belts which would greatly aid our overworked waiters in their desperate effort to efficiently deliver food to tables.

2) To increase the intra-table velocity of food, it is suggested that house members pound on the table for the food they want to have passed to them: say one pound for meat, twice for potatoes, etc. Needless to say, as meals vary, so will the pounding codes for food; therefore food service must arrange to give every diner a sheet of codes before every meal.

3) The houses' current strict prohibition of all conversation at meals must, of course, be continued

4) To further facilitate the house members' efforts to eat quickly, electric gongs should be placed in each of the houses. These gongs will initially be set to go off every minute, until the sixth minute, when they will ring every twenty seconds to forewarn the ending of the six minute meals. As each house becomes more proficient at eating, the clocks may be adjusted to provide for three, and perhaps even two minute meals.

5) Though not much ground can be gained on this item, it is

probable that poorer food may discourage eating and thereby cut down on meal time.

Tape Decks Put to Work

6) Finally, to diminish time wasted after the actual eating is completed, all after-dinner announcements should be pre-recorded at 1 7/8 i.p.s. and played back, during consumption of the meal, at 7 1/2 i.p.s.. In this manner not only will all announcements be shortened, but unnecessary and facetious ones may be erased. Of course a problem which may eventually disturb many house members could be that the noise made by playing the recorder may interfere with the pounding by which diners will be asking for food to be passed.

Proposals such as the ones suggested above have been rejected on prior occasions, and I have little doubt that there are still those who will oppose my plan on the grounds that it will not be effective enough and that we are capable of having meals in less than a minute if we really try. This is hogwash — it is impossible to get food down a throat faster than by the methods just described; and those who say it is possible for sixty to eighty people to enter a dining hall and run away from each other by a more efficient method are obviously oblivious to facts. I therefore challenge any such persons to lay down their alternate suggestions before the student body so that the students may realize that proposals other than mine are simply foolish.

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Varsity Netmen Whip Whittier 6-3, JV's Win 7-2

The Caltech varsity tennis team defeated the Whittier Poets 6-3 last Tuesday, April 28, on the Caltech courts. The win was the second league victory for the Tech squad this season, the first also being over Whittier.

The top two singles players for Caltech, Bill Almasy and Ken Pischel, won their matches, although not without some difficulty. Almasy beat Whittier's first man in three sets by a score of 6-1, 4-6, 6-2. Pischel lost his first set 4-6,

before coming back to take the next two sets 7-5, 6-4 to gain the victory.

Andy Chow disposed of Whittier's third singles player with fewer problems. Chow's score was 6-4, 6-2.

At fourth singles, Techer George Lantos was beaten 6-1, 9-7. Bruce Eisenhart lost a heart-breaker at fifth man, the Whittier player winning 6-4, 4-6, 7-5. And in the sixth singles event Jim Crawford of Caltech won the first set 8-6 before losing the second and third sets by scores of 6-2 and 6-1, respectively.

The score was then tied at 3-3 going into the doubles events. Caltech won all three matches to win 6-3.

Pischel and Chow won the first doubles match 2-6, 8-6, 6-4. Lantos and Almasy coasted to a 6-0, 6-4 victory in the second doubles contest. Eisenhart and Crawford edged their opponents 7-5, 4-6, 6-4 in the third doubles match.

The junior varsity tennis squad of Tech also beat Whittier. The score was 7-2, with Whittier's only wins coming at first singles and fifth singles.

Art Ellis, Larry Niren, Alan Brothers, and Don Franks gained victories for the Tech jayvees at singles. In doubles, Smith and Niren, Ellis and Brothers, and Risch and Franks combined for a sweep.

Friday, May 1, Claremont-Harvey Mudd came to Tech to hand the Beavers a 9-0 defeat. The closest match came in first doubles, with Pischel and Almasy losing 3-6, 6-8.

You'll Like L.I.F.E.

The Caltech horsehide swatters swamped L.I.F.E. (Lighthouse for International Foursquare Evangelism), 8-2, and 11-1, to end the season on a winning note on Tuesday, May 5.

In the first of the two seven-inning contests, Dave Turner fanned nine to earn his first victory of the year. Mark Meldgin collected a pair of singles to pace the Tech attack.

In the second match freshman John Ellis claimed the win and only an unearned run in the top of the sixth prevented a shutout. Ellis helped his cause by rapping a pair of doubles. Tom Howell swatted two singles in three at-bats, Jerry Feely contributed a double and base-hit, and Bruce Wright smashed a double to lead the Beaver onslaught.

The Beavers finished their schedule with a 4-21-1 overall record and 1-13-1 conference mark. The lone league victory was a win over last year's SCIAC champion, Whittier.

Baseball Team Ends Week With Four Losses

by Tom Matoi

The Caltech baseball squad narrowly missed gaining its third victory of the season last week. In four games, the opponents were allowed only two more earned runs than the Beavers, but errors gave the Pomona Sagehens a 9-4 conference win on Tuesday, April 28, and the double-header, 3-1, and 4-2, on Saturday. A 4-1 non-league loss to L.A. Baptist rounded out the week's action.

In the series' opener with Pomona, the Caltech roster swatted nine hits at a .250 clip. Sharing batting laurels for the Beavers were Dave Turner with two hits in three trips, John Ellis with a double and single, and Bill Delaney with three walks and a single.

L.A. Baptist

After allowing one earned run in eight innings against L.A. Baptist, Turner went the distance in the first half of the Saturday twin-bill and allowed six hits and no walks. The Beavers appeared to have the winning margin when Jerry Kiuttu singled in Arnie Richards in the bottom of the fifth. The Sagehens were without a tally until the top of the seventh and final frame, when a homerun and two unearned runs spelled defeat for the Beavers.

In the final heartbreaker, Bruce Wright hurled a four-hitter and allowed two earned runs. The team supported Wright by putting out the first eleven Sagehens, but errors once again made the difference. Jerry Feely stroked two singles to lead both teams in hits.

Mourning . . .

Continued from Page Six

Tuesday night, culminated in a general meeting of the faculty yesterday afternoon. At that time, the faculty voted unanimously to recommend that Friday be declared an official day of mourning, and that classes and "normal academic activity" be suspended.

Lunch Rally

A rally formed at approximately 11:45 Tuesday afternoon to discuss the deaths of four students at Kent State University, Ohio, in an altercation involving National Guardsmen and the related issue of President Nixon's actions in Indochina. About 450 attended to hear a series of informal speeches given by members of the audience. Robert Fisher and Tom Carroll, President of the Caltech YMCA, proposed that another rally be held at 7:30 that night to continue the discussion and to attract a "wider spectrum" of people.

Consequently, a crowd estimated at 650 gathered on Winnett-Firestone Plaza at the appointed time. Tom Carroll set the tone of the meeting by a speech in which he said, "We should realize that we [Caltech] are one small segment of a nation in crisis . . . we have a responsibility . . . Caltech as an institution should not try to sway national policy [but] try to bind the nation together."

Petition the Faculty

Fisher then read a petition asking the faculty to join in calling for declaring Friday a day to "study, plan, and act" on Indochina, student unrest, and related issues and as related issues. The petition called for the "suspension of all normal operations of the Institute."

Several speakers from the audience then recommended changes in



FRIDAY'S MARCH to the Pasadena City Hall marked one of the first large-scale involvements by Caltech students in outside politics. It was also one of the best-publicized actions of the students: even Time carried the story. —photo by Bean

ASME Papers Held Both 'Original' and 'Interesting'

by Rahul Basu
ASME Chairman

The Region 9 Pacific Southwest Student Conference of the ASME was held at Caltech May 1 and 2nd. Students from participating colleges and universities from the Pacific Southwest Area presented papers, some quite original and interesting. The series of events began at 9am Friday the 1st with Dr. Rolf Sabersky welcoming participants on behalf of the Engineering Division at Caltech. Present were dignitaries such as Mr. W. Reaser, from ASME Headquarters in New York, Mr. F.W. Beichley, Vice President, Region 9. After Dr. Sabersky's address, Mr. Rahul Basu, Chairman, ASME (Caltech) opened the meeting and then Mr. Hank Waggy took it on from there.

A tour of JPL in the afternoon after lunch at the Athenaeum ended the morning session. The evening session had a student from San Diego explaining the hazards of the Baja on the car their college built. There were repeat performances

the wording of the petition, which were accordingly made. The entire assemblage voted on each amendment, and also to accept the petition in final form. After the rally broke up, approximately 325 people signed the petition.

Atheneum Meeting

The faculty met, as Dr. Allen, chairman of the Faculty Board, said it would, at 3:00 p.m. Wednesday to discuss the same issues which were before a primarily undergraduate and graduate student rally the night before. After about an hour and a half of discussion, the faculty voted to recommend setting Friday aside as a day of discussion and that classes be cancelled.

At the time, both Drs. Brown and Bacher were out of town. Dr. Christy, who described himself as a substitute for a substitute, telephoned Dr. Bacher after the faculty meeting. After their conversation, the official announcement was released.

from Mr. Scott Fancett, of the University of Hawaii, who explained how he built a protection for the hull of their miniature submarine, and from another student with remote controlled apparatus to switch radio, T.V. and other gadgets for use by paralyzed people. The day ended with a trip to the HiLife by most people, the way being shown by Messrs. R. Basu and A.J. Acosta, Faculty Advisor, for the ASME.

More Interesting Than HiLife

The next day was more interesting, technically speaking. UCLA presented two papers, one on a redialling apparatus built to keep dialling busy numbers, by Mr. Brownstein, the other on *God and the Engineer* by Mr. Stuckey. Mr. James Bush won first prize with his presentation on MHD generators. Mr. Basu presented a paper on the dislocation velocities in Zn Zn Crystals. A student from San Diego presented his paper on irrigation by solar cells. Incidentally, the people who came late on Thursday night were locked out of the Athenaeum, including Mr. Beichley, and wondered what the geodesic domes were doing all over the lawn.

Better Lure

One of the best papers was on an electric fishing lure, the designer from San Diego, explaining that he had taken all necessary steps to protect his idea. The conference ended with a luncheon at the Athenaeum, with Dr. Zwicky, of Astrophysics, explaining that he had deposited the simplest proof yet of Pythagoras theorem in the Paris conservatoire, to be opened after two years if no one had retraced his solution. Dr. Nottage of UCLA was made a Fellow of the ASME at this luncheon, and then Mr. Beichley wore a sweat shirt from San Diego State College (reversed) to present their awards to them. After all the speeches were made, Rahul Basu closed the day with a suggestion to all the visiting students to visit the Huntington Art Library and Museum, as there was still an hour before closing.

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News Briefs . .

Young Democrats (Radical Branch)

Anyone interested in revitalizing the Young Democrats and serving a useful political purpose in this election year, please leave a note for Tom Carroll at the Y, or call him at 577-1880.

YMCA Auctions Off Lost and Unclaimed

For those of you who have never heard, the YMCA operates a lost and found for the Caltech campus. Late every academic year, the Y runs an auction to dispose of unclaimed articles. To prevent an article which you have lost from being auctioned off, please check with the Y on the second floor of Winnett to see if anything of yours has been received this year. The auction will be held in front of Winnett on May 22, starting at noon.

Notes and Comments Department Department

The faculty board heard the PE requirement controversy at its meeting Monday. The collision between the Athletics and Physical Education (APE) Committee and the Academic Policies Committee (APC) has been long expected. The APC came out with a tersely-worded resolution to abolish the PE requirement, whereas the APE Committee proposed that the program not be altered for at least one year while an exhaustive study would be undertaken. — An Ad Hoc Com-

mittee on Student Housing now graces the faculty committee picture. So far, the members of the committee are Dr. Dean and Dr. Acosta of the Undergraduate Housing Committee, Dr. Babcock and Dr. Shield, and Mulligan and Morrisroe of the Business Affairs office. Student representatives have not been appointed by the appropriate bodies. — The genial dean's latest book, *Confessions of a Genial Abbot*, may be had in the bookstore for a dollar. Dr. Huttenback's reflections on his years as Master of Student Houses should make inter-

esting reading. If you have information which might be of use to the student body, send a note to Alex Seita in 142 Page. Better still, write an article about it for this fantastically informative publication. The giant dome at UCLA (Last week's News Briefs) is really "Half a giant beach ball," according to one Bruin. One of the first suggestions received by the new complaint center questioned the wisdom of spending \$12,000 for a complaint center when students pay \$21 per term for parking.

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