

"Give us a
B, ... O, ... D, ...

California Tech

Associated Students of the California Institute of Technology

What does it
Spell? ...
Mother!"

Volume LVIII.

Pasadena, California, Thursday, February 9, 1967

Number 17



—photo by Engebretsen

ASCIT candidates wear their best SEG's for the TECH camera. Seated, left to right: Joe Rhodes, president; Jon Haviland, IHC chairman; Erno Daniel, president; Sam Logan, president; Mike Garet, activities chairman. Standing front: Dan Sinema and Tony Colonnese, 2/3 of TECH editor team number one; Larry Hunt, athletic manager; Craig Spencer, president; Steve Lewis, BOC secretary; Gavien Miyata, secretary; David Dockstader, rep-at-large; Jerald Anderson, rep-at-large. Standing, rear: Tom D. Burton, athletic manager; Kirk Benson, one-half of TECH editor team number two; Rusty Keys, rep-at-large; Les Fishbone, other half of TECH editor team number two; Kevin Savage, secretary; Mike Stefanko, rep-at-large; Walt Denekas, secretary; Leonard Erickson, vice-president; John Cummings, treasurer. Not shown are Dick Wright, BOC secretary; and R. W. Pollock, last third of TECH editor team number one.

BOD Gives Honor Keys to Tech Leaders

The ASCIT Board of Directors, after a long stormy session lasting into the wee hours of Tuesday morning, announced the recipients of Honor Keys and Certificates for service to the campus during the last year. The

criteria for these awards are based are somewhat vague: in general, they go to people who have shouldered a significant campus-wide responsibility, made an outstanding contribution to Caltech undergraduate life, or performed well some important service to the students. The time and effort candidates had invested and the quality of the result, guided the Board and leadership, responsibility, and initiative were given special emphasis.

Key winners and their contributions are: **Fred Lamb**, ASCIT president and chairman of Seventy-fifth Anniversary Student Activities Committee; **Joe Rhodes**, activities chairman, Coffeehouse Committee chairman, and all-around gung ho; **Tim Hendrickson**, ASCIT Excomm chairman and chairman of 75th Twilight Buffet; **Mike Meo** and **John Middleditch**, inimitable Tech editors-in-chief; **Bob Parker**, Big-T editor; **Martin Smith**, ASCIT vice-president; **Jim Pearson**, Board of Control secretary; **Steve Pomeroy**, in charge of ASCIT Coffee-Hours; and circulator of "Research Activities in Physics."

Eric Young, IHC chairman; **Mike Garet**, ASCIT Assemblies chairman, technical director, Talent Show; **George Sharman**, ASCIT social chairman and Students' Day chairman; **Ben Cooper**, Blacker House president, Little t editor; **Mike Pollock**, circulation manager for the Tech, organizer for numerous sensitiv-

ity conferences; **Sam Logan**, ASCIT treasurer; **Bob Piccioni**, Lloyd House president and BOC member; **Dan Nemzer**, Director of Talent Show, member of the Activities Committee, BOC member.

Craig McAllister, ASCIT Athletic Manager; **John Eyster**, Dabney House president; **Peter Balint**, Tech Sports Editor, Scripps Conference and PME planning; **Kermit Kubitz**, ASCIT secretary; and **Gary Schnuelle**, Page House president.

Honor Certificates are given for contributions, which while they are significant, are not as great as those of key winners. Certificate winners are: **Terry Allen**, **Paul Brandon**, **Gary Christoph**, **John Cummings**, **Len Erickson**, **Greg Evans**, **Jay Freeman**, **Richard Hackathorn**, **Jon Haviland**, **Randy Harslem**, **Ira Herskowitz**, **Will Manning**, **John McCord**, **John Ottensmann**, **John O'Pray**, **Rich Rubinstein**, and **Greg Shuptrine**.

A total of twenty-two were honored with keys, while seventeen received certificates. Twenty seniors, ten juniors, and nine sophomores merited awards. Blacker House dominated with eleven awards, Ruddock was second with eight, followed by Lloyd with six, Fleming with five, Dabney with four, Page with three, and Ricketts with two.

All of the upperclass members of the Board of Directors got keys as is almost traditional. On the other hand, three House presidents did not.

Eells to Poll Students' Drug Usage Tomorrow

Dr. Kenneth Eells, staff psychologist of the Archibald Young Student Health Center, announced today a proposed poll to investigate the use of drugs on campus.

The poll, which will come out tomorrow, has the approval of ASCIT, and the IHC and will probe the extent of the use of LSD and marijuana at Caltech, and whether it constitutes a problem. The Administration has approved of the poll, but is not

the instigating agency.

Ah, science

In order to scientifically investigate drug use on campus, the poll has two parts—a card denoting participation in the survey, and an anonymous poll—to fill out and return to the Health Center via campus mail.

The first item is going to be used to help keep track of how many have responded to the poll, and help in the campaign to get
(Continued on page 3)

Many Candidates Vie For ASCIT Offices

By-laws Change Allows Rhodes to Run for Prexy

In one of its most important meetings of the year, the BOD closed nominations for ASCIT offices, and discussed two proposed By-law amendments Monday night.

The following By-laws was proposed unanimously by the board, to be inserted in Article XVI, paragraph A, section 2, to read: "The Board of Directors will be ultimately responsible for the circulation and finances of the 'California Tech.'" (See Meo's editorial).

The second proposed By-law concerns salaries of Tech editors, and will be voted upon during the ASCIT elections. It amends Article XVI, paragraph A, section 4, to read: "profits; The editor(s) of the 'California Tech' shall receive a salary of three hundred dollars (\$300.00)

for the years' work. Of advertising sold and paid for, a commission of 35%, reduced by any commissions or discounts to outside advertising agencies, shall be distributed as follows: the first six hundred dollars (\$600.00) shall be guaranteed to the business manager. Of the remainder, 50% shall go to the business manager, and 50% to the editor(s)."

Candidates vying for ASCIT offices are: president: Joe Rhodes, Erno Daniel, Sam Logan, Craig Spencer; vice-president: Leonard Erickson; IHC chairman: John Haviland; secretary: Gavien Miyata, Walt Denekas, Kevin Savage; BOC secretary: Dick Wright, Steve Lewis; athletic manager: Larry Hunt, Tom Burton.

Tech editors: Dan Sinema, Tony Colonnese, Robert Pollock, vs Kirk Benson, Les Fishbone; activities chairman: Mike Garet; treasurer: John Cummings, representative-at-large: David Dockstader, Mike Stefanko, Jerald Anderson, Rusty Keys; social chairman, Rich Drews.

UC Campuses to March on State Capital Today

by Meo

In a special press conference held at the National Student Editors' Conference in Washington, D. C., last Saturday, the editors of the campus newspapers of UC Berkeley, Los Angeles, Santa Barbara, and Davis announced a plan to hold a protest March on Sacramento today, Thursday, February 9.

Ronnie baby to blame

The purpose of the march is to dramatize the opposition of the students and faculty of the nine-campus University of California, the student body government of which recently passed nine similar resolutions in one week protesting Reagan's recent actions (mentioned in last week's editorial) against the California system of higher education.

You have missed the bus

The mechanics of the march are: Wednesday night, travel to the Davis campus; Thursday morning, preparation and transfer to Sacramento State College campus, noon, the five-mile march to the state capitol and the presentation of the resolution to the legislators.

Furthermore, a movement is underway to organize a state-wide California Federation of Students, which will coordinate all the student bodies of the nine campuses of the University of California, allowing them to take similar united action in the future. National Student Association officers are presently assisting in the foundation of the venture.

Teachers also acting

Faculty members of the University of California are also participating in the response to Reagan's hasty actions. The Califor
(Continued on page 3)

Computer Debate Tourney Attracts Big Leagues

by Stephen Horner

The Third Annual Caltech Computer-Oriented Debate Tournament, to be held on Feb. 17 and 18, will be the largest yet, and the competition will be proportional. So far this year there are more than 80 teams entered in the tournament (as opposed to 58 last year).

Since competition seems to rise in proportion to the number of teams from distant schools, this tournament promises to be one of the toughest in the country. (It is already the most highly automated.)

Entered so far are such teams as Harvard, Rice University, University of Georgia, University of Minnesota, Texas Christian, University of Texas, University of Arizona, and Northwestern. In fact, there are 30 teams from out of state, seventeen of which will come 1000 miles or more.

From California, such schools as Stanford, Berkeley, UCLA, and USC are entered, and each of these offers stiff competition. Some of these teams have, in past years, qualified to go to the National Finals in West Point. **Wow! Women!**

Caltech students are reminded that they are invited to watch any of the debates. (Some of the debaters are female. Last year, half of the out-of-state debaters were of the fairer sex.) Students can also help by volunteering to be timekeepers. Anyone interested should contact David Dockstader in Fleming.

Christy Awarded Eddington Medal For Lyrae Work

by Terry Reedy

On January 13, the Royal Astronomical Society of London awarded the Eddington Medal to Dr. Robert F. Christy, professor of theoretical physics and lecturer in Ph 125, for his calculations on variable stars.

Preference to TA

The medal, commemorating Sir Arthur Eddington, is awarded yearly for an investigation in astronomy, with preference given to theoretical astronomy. Previous recipients have included director Horace W. Babcock and staff member Allan R. Sandage, both of the Mt. Wilson and Palomar Observatories.

Christy was honored for "his work on the non-linear theory of pulsating stars, which has enabled a close comparison to be made with observations of Cepheids and RR Lyrae variables."

Related variables

RR Lyrae variables are all nearly identical, having a period of about twelve hours and a certain 'absolute magnitude of luminosity. The Cepheids have periods ranging from 1 to 100 days and an absolute magnitude related to the period.

Both are members of an extensive class of stars whose characteristic variations in brightness are used to determine distances within our galaxy and to nearby galaxies. This can be done since the absolute and apparent magnitudes of a star are related in a well-known manner.

The theoretical study of these stars was initiated in 1918 by Eddington himself, who was able to calculate the pulsation period and thereby determine the mass
(Continued on page 3)

Editorial

The Tech Ticket

President	Joe Rhodes
Vice-President	Len Erickson
IHC Chairman	Jon Haviland
Treasurer	John Cummings
Secretary	Gavien Miyata*
Activities Chairman	Mike Gare
Social Chairman	Rich Drews
Athletic Manager	takeyourpick
Rep-at-Large	Mike Stefanko
Tech editors	Fishbone-Benson
BOC Secretary	Dick Wright

* indicates Meo's choice, not Middleditch's.

Above is the slate of officers for whom the **Tech** urges you to vote next Thursday. For the six contested offices (four were contested last year; five the year before that), they represent the most qualified people running. Let us expand.

For president, assuming you want to continue to have a student body government, Joe Rhodes has worked on the BOD for the last year, and he has demonstrated much more leadership in a wide variety of tasks than Sam Logan. So vote for Rhodes.

Middleditch thinks not enough is known about the secretarial candidates to make a choice obvious. Meo thinks Miyata is involved in more campus activities and therefore has demonstrated more energy. Besides, Miyata promises more than Denekas does.

For rep-at-large, Stefanko stands above the others in the number and complexity of the jobs he has performed, and has demonstrated a competence and capacity that is unconfirmed in the others.

Fishbone and Benson, while not God's gift to the **California Tech**, are about 10 times better than whoever those other guys are, mainly because they've worked for the newspaper for the last few years and know what they're about. And anyone who accuses us of irresponsibility is obviously all bad.

An encouraging aspect of this year's elections is the absence of an election rally. We hope that genuine question session at the Coffee Hours Sunday at 1 and Monday at 4 will replace the blood lust of last year.

—Michael Meo
John Middleditch

Stop the Censor

The nine old women have done it again! Succumbing to the tide of terror that swept the campus in the recent marijuana affair, the BOD has proposed an amendment to the ASCIT By-laws which allows the Board to censor the newspaper.

You see, nowadays the Board has very little influence over the editors, for the upstanding champions of public weal are elected officers, just as much as the nine ancient hags. Since the editors are ASCIT officers, they cannot be cowed by the BOD, but since the business manager is appointed, his job is at the whim of that questionable collection of primordial grandmothers. When an issue comes up which spreads fear and confusion the way that marijuana article spread fear and confusion through the ranks of the overly-incubated and super-secure Teckers, the Board of Dowagers can take action! They can stop circulation of the truth—always in the interests of the student body, you understand.

Vote against this attempt, this bald thrust at freedom of the press, and preserve the **California Tech** as a forum for discussion and controversy. If you would prevent the BOD from ever confiscating your own **California Tech**, your dear **California Tech**, send this amendment down to deserved, damnable defeat.

—Michael Meo
John Middleditch

Frets 'n' Frails

by Dave Hentchel

The February show at the Ice House in Pasadena offers a good variety of entertainment that is well worth the price of admission, albeit little more.

No noticeable ability

The show opens with Carol Hedin, a thin, fairly attractive blonde, singing love ballads and light, childish folk songs. She does many of Tom Paxton's numbers, singing in a fine, low voice. Her style is not particularly new or exciting, however, and she, like the other performers following, has no notable ability on the guitar.

The next act consists of a New Zealander named John Hore

singing western and country music. After commenting on the problems he meets due to his name, he launches into an over-rehearsed mixture of Roger Miller and "Tie Me Kangaroo Down".

Although he has a good voice well fitted to country music, he does only popular songs, so that many come out up-tempo imitations of songs everyone has heard. His Roger Miller songs lack much in spirit, but several of his more serious western ballads were excellent.

Finally come Mike and Brian (an act "as exciting as their name"). The act was a typical

(Continued on page 10)

Letters

Pro Vote

Editors:

The ASCIT Board of Directors has endorsed two By-laws changes which will be placed on the ballot at the upcoming general election. The first amendment increases compensation to the editors of the **California Tech**, while cutting slightly the business manager's commissions. It would guarantee a salary of \$300 to the editors, allow the business manager to retain the first \$600 in commissions, and split additional commissions equally between editors and business manager.

This past year the amendment would have meant about \$400 for the editors and \$700 for the business manager, rather than the actual figures of \$300 and \$800. Considering the tremendous time and effort required of the editors, I think there is no question that they deserve this increase. In view of the likelihood of increased academic credit for the editors, this amendment represents a significant increase while at the same time preserving a high incentive for the business manager, upon whom the **Tech** depends for its continued existence.

The second amendment concerns the formal relationship between the ASCIT Board of Directors and the **Tech**. The recent controversy has highlighted the ambiguity in this relationship. Current By-laws state:

"The editors and business manager of the **California Tech** shall be solely responsible to the Board of Directors for the success of that publication. The Board of Directors may make recommendations to the editors or business manager in regard to policy or finances."

The By-laws further state that the **Tech** is the "official newspaper of the Corporation." Each week the masthead reports, "published by the Associated Students," and the front page carries, "**California Tech**, Associated Students of the California Institute of Technology."

The **Tech** is financed in large part through enforced subscriptions of the members of the Corporation. ASCIT owns and maintains the assets of the **Tech**, bears all liability risks, and has had to bail out **Tech** finances periodically to the tune of several thousand dollars in student dues each time.

California Tech

Published weekly during the school year except during holidays and exams by the Associated Students of the California Institute of Technology.

Editors: Michael Meo and John Middleditch, Editors-in-chief; Jeff Hecht, Features; Jim Cook, Managing; Vincent Johns, Copy; Peter Balint, Sports.

Staff: Peter Balint, Kirk Benson, Dave Lewin, Les Fishbone, Glenn Engbreetsen, Dan Villani, Terry Reedy, Frank Griswold, Len Doberne, Roger Goodman, Rick Sinclair, Danielle Clarno, Ed Hsi.

Business: Bob Berry, Manager; Kim Gleason, Circulation Manager. John Walters.

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The last three business managers, including the current one, who are all former editors, unanimously agreed that without a subsidy from ASCIT, enforced subscription, and transfer of liability to the Corporation, the **Tech** would fail in a very short time, leaving mammoth debts and severely damaging prospects for attracting national advertising, which are a major source of operating revenue. The **Tech** has never been able to operate successfully in the past without ASCIT backing.

Because of the necessity that ASCIT accept final liability and financial responsibility, the business manager is appointed by the Board and is directly responsible to it. Traditionally, he is the final authority when finances, circulation, or legal questions are involved. Yet because of various interpretations of the words "responsibility" and "success" in the By-laws quoted above, the current form of the By-laws is ambiguous.

To clarify this relationship, the Board has recommended the addition of the words "The Board of Directors shall have ultimate responsibility for finances and circulation." This would formalize the current and long-standing pattern of responsibility through the business manager, while leaving matters of editorial policy entirely in the hands of the editors.

I strongly urge you to vote for the adoption of both amendments.

Fred Lamb

Simply not true—eds.

Clark Awards

Editors:

Your colorfully-titled editorial concerning the Donald S. Clark Alumni Awards calls for a response. The Alumni Association in 1965 established these awards to honor its long-time secretary, Professor Donald S. Clark, and sufficient funds were subsequently contributed to the Institute to endow the awards. Preference was to be given to students in the Engineering option "in recognition of demonstrated potential leadership and good academic performance," and without re-

gard to other awards or grants held by the students, or to financial need.

The four students were selected by a committee of the faculty and administration, headed by the chairman of the Division of Engineering and Applied Science. Neither Dr. Clark nor the Alumni Association had any role in this selection.

Since our intent is to honor Dr. Clark by this award to students of Engineering, I would appreciate your publishing this letter to show that he is but an innocent bystander, and not involved in the selection as your editorial might be interpreted.

Sidney K. Galley, President,
Caltech Alumni Association

The reason we asked for a response was the paucity of information about the selection of award-winners. To criticize the specific members of the selection committee without knowing the criterion of selection would have added lots of smoke to the question, without any light.

But why, sirs, do you honor "potential leaders" who happen to be engineers? This D. S. Clark award is, in effect, a \$250 prize for being in the engineering option, because of your nebulous conditions. "Good academic performance" is anything above a 2.5, according to a statement released Monday afternoon. That isn't good, that's minimal! And just what in the world is "demonstrated, potential" leadership? It is demonstrated or is it potential (whatever potential means)?

Leadership is a quality distributed throughout the student body without regard to option. In the future, we suggest you classify D. S. Clark award winners as "Caltech students of engineering chosen to honor D. S. Clark." Then, and only then, will you be telling the real story.—eds.

NRA Bites A

Editors:

Some aspects of our great democratic system lead to conditions which are really amazing. I am concerned here with the ease with which guns may be obtained and used. Although

(Continued on page 3)

PART TIME
JOB OPPORTUNITY
FOR MALE COLLEGE STUDENTS

- No Experience Required
- Four Hour Shifts
- Steady Employment
- Start at \$1.60 per hr. with merit raises
- Premium Pay of 8% for 2nd and 16% for 3rd Shifts
- Fringe Benefits
- First Class Plant

Here is an opportunity for students to earn a steady income and attend school at the same time. It is an opportunity to "work up" to a better position and pay scale during your school years. Paid hospitalization plan, paid holidays, paid vacations, etc., are included.

Our plastic container manufacturing plant operates on a 24-hour per day basis; some parts of the year we operate 7 days a week. Rather than the usual 3-shift system that is used by most manufacturing plants, we have made jobs available on a 6-shift basis, each shift being 4 hours instead of the usual 8 hours.

Shifts are as follows:

Day Shifts	1A.	8:30 AM to 12:45 PM
	1B.	12:45 PM to 5:00 PM
Swing Shift	2A.	4:30 PM to 8:45 PM
	2B.	8:45 PM to 1:00 AM
Graveyard Shift	3A.	12:30 AM to 4:45 AM
	3B.	4:45 AM to 9:00 AM

When we are operating on a 7-day basis, work days and days off are rotated so that days off do not occur on the same days every week.

Assuming there will be those who do not wish to work during Christmas holidays, Easter holidays, and during the summer months, full 8-hour per day employment should be available to those who will want to work during these non-school periods.

Beginning work will be to inspect and package cups and lids as they come from automatic molding machines along with other necessary duties connected with the operation of the machines. Job advancement and pay increases will be dependent on employees interest, dependability and ability on our merit system.

Applicants must be willing to be on the job every day or night to cover the shift he agrees to accept. In exchange for a steady job, we will expect steady production, regardless of student activities or exams, studies, dates, etc.

MAKE APPLICATION AT THE PLANT

HIGHLAND PLASTICS
965 NORTH FAIR OAKS PASADENA, CALIF.

More Ammo

(Continued from page 2)

some regulatory laws do exist, anyone who can write a letter to a mail-order company enclosing enough money, will be mailed a gun.

It seems that the country would learn that strong regulatory action is needed, but it hasn't. Numerous examples, from the death of President Kennedy to the recent rash of sniper incidents, the University of Texas to the local shootings should make people not only think but do something.

People kill each other

Then there are the numerous husband, wife, ex-lover, divorcee, etc., shootings that one hears about every day on the radio. Of course, there are the accidents that happen not infrequently, from children playing with "unloaded" guns to various hunting accidents.

The availability of guns not only promotes crime (it makes it really quite easy to stick up a

small store or gas station), but increases the deaths due to crimes. Someone sticking up a store, in a tense emotional state, is liable to shoot at the owner because of uncertain movements, though the owner may have no intention of resisting. (I personally know of two such cases . . . in one, the owner was killed).

This is the price we pay for almost unlimited freedom to bear arms. But what is this freedom worth? How many burglars are stopped by the fact that there is a gun in the desk drawer? Do you think that potential aggressors to the United States are really deterred by the civilian arsenal?

It is true that guns have a legitimate use as hunting weapons but they should not be as available as fishing rods. Let's face it, guns are dangerous and costly to our society. Let's think of some ways to solve this problem, and then do something about it!

Len Doberne



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NoDoz keep alert tablets or new chewable mints, safe as coffee, help bring you back to your mental best . . . help you become more alert to the people and conditions around you. Non-habit forming.



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DON'T FORGET YOUR QUARTER That's how much you have coming back on the NoDoz you bought for the mid-year exams. Just mail us the front panel or label from any size package of NoDoz* with this coupon. And we'll mail you a quarter (25¢) in return. But hurry. Offer ends Feb. 28. No refunds after March 7, 1967. Mail coupon today!

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*Enclosed is (check one): Wrapper from NoDoz Mints, or Front panel from package of 15 or 36 NoDoz Tablets, or Front label from bottle of 60 NoDoz Tablets.

Please return 25 cents (one quarter) to:

Name _____

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City _____ State _____ Zip Code _____

Offer void without this coupon.

More Eddington

(Continued from page 1)

es of these stars. He was hampered in his work, however, by the lack of knowledge in the basic physics of matter. The next advances in the field came in 1953 from some Europeans.

Now, Christy's calculations are the first to be able to reproduce all of the observed properties of the stars and this then permits deduction of the luminosities and helium content as well as the masses of these stars.

Throbbing not understood

When asked why he had chosen to work on this theory he said that the first major alteration of stellar structure occurs when enough helium is converted from hydrogen and forms a helium core in the star. Then the center shrinks, the outer part expands, and the luminosity increases by a factor on the order of 100. This phase is well understood. The next phase is the "horizontal branch phase," which includes the pulsating phase and which is not understood.

In this phase a star becomes hotter and smaller, while maintaining an approximately constant luminosity. He then explained, "If I can understand what makes a star pulsate, then I can understand the late stages of evolution . . . I soon realized that the various nuclear reactions had nothing to do with pulsation. The cause of pulsation is the condition of matter just below the surface." He then concluded that "the thing I learned was completely different from what I had expected to learn."

A member of the Caltech faculty since 1946, Christy was one of the group that developed the first atomic pile at the University of Chicago in 1942.

At Los Alamos, he contributed to the design of atomic weapons, and it was calculational techniques first developed at Los Alamos for atomic bomb design that he used in his calculations on Caltech's 7094 computer. His present conclusions are based on the thousands of pages of output from calculations that have been made possible only in the last ten years. In the future he plans to consider other types

(Continued on page 9)

Activist Faculty for Bombing Cessation

by Terry Reedy

Last month another in a series of full-page ads concerning the war in Vietnam appeared in the **New York Times**. This one was an open letter to the President asking him to stop the bombing. Among the signers from this campus was theoretical physics professor Robert F. Christy.

When interviewed by your **Tech** reporter, he gave two reasons for his signature. The first, a pragmatic one, was that the

bombing is technically a failure in terms of military results versus costs in both money and men. The second, that the bombing was having adverse political effects both in the world at large and in North Vietnam, the result being a decrease in the prospects for a negotiated settlement. He explained that he wanted to maximize the prospect for a settlement and to terminate the war as soon as possible. If the bombing could achieve this end, he would consider supporting it.

Communist revolution

When the topic shifted to the affair in the Dominican Republic he called our actions ill-advised and expressed satisfaction that we had left. He doesn't feel that our interests were really endangered. When asked to generalize, he said that if given a choice between a fascist dictatorship and an internal revolution with Communist elements, he would choose the latter, but added that a clearly imminent Communist coup could justify intervention. The Cuban Missile Crisis justified our actions at that time.

Satisfying our curiosity about the process behind such an ad, he explained that there had been no mass effort to gather signatures; he had been contacted personally by another faculty member and contacted another himself. He emphasized, "I do not consider myself an expert; I am merely a deeply concerned individual." He then expressed a wish for more concern about foreign affairs among both students and faculty. He thinks people who have strong views should take whatever steps they can to make them known, but concluded that it was difficult for both students and faculty to say anything effective.

More Pot Polls

(Continued from page 1)

as many responses as possible. Anyone not wishing to respond to the survey can do so by filling in the response card and mailing back a blank questionnaire.

A return of 90% of the Caltech student body is hoped for, from both undergraduates and graduate students. If a large enough sample is procured, the final results will be made available.

Jest the fax, mam

Eells urges everyone to respond, since, he says, "The results will be far more meaningful if everyone would reply as quickly as possible." He is hoping in this manner to avoid any hidden biases in the sample used, and hence get more accurate results.

The questionnaire itself will consist of four sections. The first will be classification data—whether the respondent is an off-campus sophomore or an on-campus grad student, for example. Several questions will deal with actual usage of LSD and marijuana by the individual student.

Make pot legal

Next is a series of questions concerning the attitude of the individual towards the use of these drugs, and towards restrictions on their use. The final set of questions concerns the use of drugs other than pot or LSD. The survey is designed to be as thorough and unbiased as possible.

UC Reaganside

(Continued from page 1)

nia Federation of Teachers, an organized labor union, will hold its own March on Sacramento this Saturday, February 11.

When the Academic Senate at Berkeley passed a resolution condemning the Regents' firing of Clark Kerr, a number of disaffected faculty members began talking about organizing strong unions on University campuses (state college campuses are already strongly organized, and their faculty members will probably constitute the majority of the marchers this Saturday), because the Academic Senate has not proved to be an effective instrument of the faculty.

Finally, there are individual gestures. At UC Santa Barbara, the full membership of the anthropology department has pledged to march, and has served notice that should punitive action be taken against them, they will resign en masse and accept other teaching position already offered them throughout the country.

CANADIAN STUDENTS OPERATION RETRIEVAL

A team of Canadian University, Civil Service Commission and Department of Manpower personnel will visit the Campus to acquaint Canadian students on the Campus with employment opportunities in Canadian universities, industry and the Federal Civil Service. Canadian students are cordially invited to attend the meeting.

There will be a general meeting in Room 206 Dabney on Thursday, February 16, 1967, at 8:00 p.m., and each student who so desires will have an opportunity for a private interview with a member of the team on Friday, February 17, 1967, from 9:00 a.m.

Arrangements at your University are being made by Mr. Donald S. Clark, Director of Placements. If you wish an interview on February 17th, please telephone extension 2362 for an appointment, indicating your preference between a University, a Civil Service Commission or a Department of Manpower Member of the team.

CLASS OF

'67 & '68

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ASCIT President

Joseph Rhodes

As a candidate for the office of ASCIT president I have the obligation to answer two questions in this statement. First, "Do I have the necessary qualifications for the office of President", and second, "How do I stand on the important issues facing the student body now?"

The work of the ASCIT president divides roughly into his duties as the chairman of the BOD and his role as the president of the student body. The qualifications for the two jobs of the president differ. As the chairman of the BOD the president must maintain order without domineering. At the same time he must imaginatively mold the BOD into an effective and responsible organ, a body that acts when necessary but never impulsively.

I feel that my experience as ASCIT Activities Committee chairman and Coffeehouse Committee chairman will enable me to effectively preside over the BOD.

The job of the ASCIT president of the student body represents an even greater responsibility. The president should be sensitive to campus opinion. He should be a means of transforming student wishes into effective actions. Fred Lamb's role in obtaining a Coffeehouse illustrates this point. The president should not only be a respondent to ideas but also an initiator.

I believe that because of my wide involvement in campus life I will fulfill this responsibility. My work with the YMCA has resulted in a relationship that can only be advantageous for an ASCIT president.

Now on to the main issue. How do I feel about the important issues likely to face the next BOD. The most important matter, before us now, is the future of the **California Tech**.

If the **California Tech** were a privately owned publication then no question would exist as to the right of the publishers or editors to decide any matter concerning the paper. This, however, is not the case. The student body is essentially taxed to finance the **Tech**. If you pay for the paper then you should have some control over it. This control should not be limited (as is the case now) to either dissolving the paper or wringing our hands in despair. Nor should the student control be limited to the election of **Tech** editors. Months after the election if the editors take actions contrary to

the wishes of the student body, the only alternative is to do nothing or to recall the editors. Such extreme measures are rarely appropriate.

The relationship between the **Tech** and its publishers, the student body, should be clarified. The proposed By-law amendment does just that. If it were to pass, the BOD, representing the Corporation, would have the power to take any necessary step concerning the distribution of the **Tech**. Clearly a responsible BOD would hesitate to use such a power because to use it indiscriminately would mean the end of the paper. This would provide a reliable check on the editors, one which exists for all the other elected officers of the Corporation.

I should also mention some other issues that I feel might confront the next BOD. I don't feel the need for as many closed BOD meetings as we had this year. There exists no need for the BOD to appear single-minded. Of course certain reasons will necessitate a closed meeting but solidarity before the public should not be one of them.

There exists no reason for the present isolation of Caltech from PCC. We should attempt to establish some ties that would be mutually beneficial. Our soon-to-open Coffeehouse might present some interesting possibilities.

(Continued on page 9)

Tech Editors

Les Fishbone
Kirk Benson

Surely the greatest issue facing the voters with regard to the choice of **California Tech** editors is the issue of editorial responsibility. Since the **Tech** will remain the official organ of the Associated Students, a well-qualified and level-headed editorial staff is needed in order that policy crises of any form do not occur. We say editorial staff rather than editors alone because preliminary agreement with a diverse group of students indicates that we will be able to assemble a competent staff of individuals to whom responsibility may be delegated; if we are elected, the **California Tech** will no longer be the voice only of its editors-in-chief. Columns by members of the features and sports staffs will appear which may or may not coincide with the opinions expressed by the editors-in-chief. Moreover, we shall initiate a forum column wherein any member of the Caltech community may give an opinion on any topic of his choosing.

We must emphasize the necessity for a staff in which the student body may place its trust. Technically we possess about ten years of experience in publications work, editorial and otherwise; we are both acquainted with the less romantic but definitely necessary details of physically putting a newspaper together. Most important, though, we are respectively a junior and a freshman, and form an effective combination of one who has absorbed nearly three years of Caltech life with the attitudes and relationships that accrue therefrom, and one who is relatively new here and is therefore possessed of many fresh ideas.

If we are elected, we plan to raise the quality of the **California Tech**; we feel that the Caltech community deserves such an improvement. We ask your vote in order that we may bring these ideas and implementations to realization.

Vice President

Leonard Erickson

Customarily I present my qualifications for and ideas on the vice-presidential office in this statement. Since I'm unopposed I won't harangue you with my qualifications. I would, however, say that my year as BOC representative-at-large and position as Dabney House vice-president provide me with relevant experience for the job.

Instead I'd like to concentrate on the job and what I could do with it. The vice-president has full responsibility for all administrative aspects of the Honor System and in particular is chairman of the Board of Control. Unlike the civil law, the Honor System lacks extensive codification.

Thus the BOC as regulatory body has greater flexibility than courts in administrative decisions and in considering violations. If the system is to be effective, mature judgment must be shown directly by the vice president and BOC and more diffusely by the student body. When combined with the flexibility of the system, such judgment provides maximum benefit for all.

The vice-president has no other sharply delineated responsibilities but as a member of the BOD has a large capacity for action. Through participation I have had contact with a broad spectrum of student activities. As a member of the Board of Directors I would like to make ASCIT's contact with the Institute and various aspects of student life, particularly the Houses, a more effective relation. That is left a purposely general statement, one I hope you ask me about and one which I will expand upon as ASCIT vice-president.

BOC Secretary

Steven Lewis

The Board of Control is charged with an awesome task. It has the job of setting the minimum moral standards for students at Caltech. It has the right, indeed the obligation, to demand that students live up to the moral code that they have set up or leave the Institute.

In this respect the BOC cannot be considered as an ordinary court or legislative body which seeks solutions to specific problems posed. It must ask whether a specific action indicates an attitude so dangerous to the other students that the offender has a destructive place in the community. This is a decision which cannot be taken lightly.

To be an Honor System violation an act must violate the moral codes of a vast majority of the students and constitute a positive danger. To be otherwise constitutes a grave danger to the Honor System by forcing a student to make a moral decision between reporting someone for something he doesn't consider wrong and violating the Honor System by not reporting him.

The BOC can't afford to be taken lightly. I don't, and I wish to do anything in my power to assure respect for the Honor System. The job will require a lot of time and hard work. I am prepared to give freely of myself to do a good job. Listening first to the dictates of my conscience, I will try to make a useful contribution to the Board.

ASCIT President

Craig Spencer

For once an ASCIT election has an issue! This issue is me, my candidacy, my program. This program is simply: **Abolish ASCIT**. Student government is a playschool exercise that is gratifying to the self-important amateur politicians but irrelevant for the rest of us.

The "serious" problems and decisions facing such student governments arise only out of their own existence. ASCIT's activities serve no purpose that could not be accomplished otherwise if such activity is justifiable at all.

ASCIT, at present, collects \$22 from each of you each year and spends this money on various items which you may or may not support. In this way ASCIT forces those who do not support the adopted programs to subsidize those who do. By the selection of projects on which to spend your money ASCIT tries to impose on you its views as to what you should do.

Some, who do not approve of your preferences, say you should be "forced" (for your own good, no doubt) to acquire their preferences. I say **No** to this. Let Caltech students make their own decisions. Let them spend their own money as they please and let them engage in activities (or none) as they please.

I claim that any project, program, or activity can be generated, financed, and carried out by those students who wish to do so and freely choose to support it with their time and donations, if it has sufficient support to warrant being carried out. Accordingly: abolish ASCIT and let the students decide and act

for themselves.

The following objections to the abolition of ASCIT will be heard: 1) Caltech students are so apathetic that they won't do things for themselves. If this is true it shows that these "things" lack sufficient support to justify them; and who says such apathy is a bad thing anyway? If you want something done, agitate for it and try to gain support by persuasion; don't use the authority of ASCIT to impose it on the other students. At any rate, Caltech students will organize and pay for things themselves. As proof of this I offer the example of Caltech's coming Coffeehouse.

2) What about assemblies, sports subsidies, the **Big T**, the **little t**, the **TECH**, the ASCIT social program . . . ? As before all such activities can be autonomously and spontaneously executed by those students who wish them to be carried out. If they would not be then they do not have sufficient support.

3) What about a really important organization such as the BOC? The BOC derives its authority from the Institute and not from ASCIT. It does not have to be associated with a student government for any purpose essential to its function. Again ASCIT is irrelevant.

Try an experiment. Let us live freely and tolerantly, allowing each other to do as we please, reject imposing any policy on others with the authority of a student government, and restrict ourselves to rational persuasion as a means of influencing others and promoting any activities we desire. Abolish ASCIT by electing Craig Spencer ASCIT president.

ASCIT Secretary

Walt Denekas

This last year, ASCIT has handled some of the biggest projects ever undertaken on this campus. For example, attendance at football games has increased dramatically, and the long hoped-for Coffeehouse has at last become a reality.

If ASCIT is to continue what will hopefully become tradition, the members of the ASCIT Board of Directors must be able to provide effective leadership to the campus at large through example and encouragement. As the representative-in-writing of the ASCIT Board, the secretary is responsible for informing the student body of ASCIT's activities and for promoting them. His letters to entering freshmen are often the first invitations to participation in campus life.

But more than reporting ASCIT's activities, the secretary must take an active part in them. Through his vote on the BOD, he helps determine what activities you will be offered and how your student body dues will be spent. He must push to see ASCIT's projects through to completion, doing both the grunge jobs as well as the fun jobs.

While here at Caltech, I have had several opportunities to show my enthusiasm for campus activities through Interhouse Discobolus athletics, band, and House social programs. Last year, I ran a cut-rate air travel agency on campus. Now, I wish to work for you, through ASCIT, to put into ASCIT the effort and enthusiasm I have shown in House and individual activities, as secretary of the ASCIT Board.

Kevin Savage

The election for the office of ASCIT secretary looks as if it will prove the most interesting contest in this election.

Obviously all of the candidates satisfy the minimal requirements for holding the office. But, over and above these qualifications, the secretary has many duties assigned to him by the ASCIT By-laws and Resolutions.

He must represent you, the student, on the BOD. He must keep you informed of all action taken by the BOD, as well as any resolutions that will be coming before the BOD in the future. The secretary is responsible for publicizing the election procedures, and for approving the nomination procedures for class elections. In the past, also, the ASCIT secretary has run a summer visitation program for the incoming freshman class.

The duties and obligations of holding office are not new to me. This past year I have been a member of the Page House Ex-comm serving as librarian. During this time, Page has acquired the largest Student House library, though not nearly through my efforts alone. The point is that while in office I was able to make a significant contribution.

In closing I would like to paraphrase what I said when I ran for House office. In the past, I have been able to serve my House and now I ask for your support in my candidacy for ASCIT secretary so that I may be able to serve the student body.

Note: as of 4 a.m. Wednesday morning, Dick Wright had not yet submitted his statement of candidacy to the newspaper office.

Tech Editors

Dan A. Sinema
Anthony Colonnese, Jr.
R. W. Pollock

As candidates for the office of editors of the **California Tech**, we have taken a position of responsibility. Although we cannot in clear conscience promise to keep the **Tech** free from controversy, we pledge to evaluate all articles in relation to the welfare of the student body. To this end we promise to keep sensationalism out of the **Tech**. We feel that as three people we will be able to work more closely with the elected student body officials while obtaining a higher degree of efficiency. We are motivated to serve the student body and feel that by restoring responsibility to the voice of the student body this goal may best be accomplished. We welcome all support and constructive criticism. Thank you very much.

ASCIT Representative-at-Large

Jerald Anderson

For any political office, certain requirements, either written or implied, must be fulfilled by the candidate. The office of ASCIT representative-at-large is no exception. He is charged by the Board of Directors to take care of the bulletin board at the end of the Olive Walk, organizing and managing the blood and charity drives, and whatever other duties they shall place upon him.

The qualifications necessary to complete the first three duties are not great. Those needed to meet the last challenge, however, are the real requirements of the office. Not only perseverance, but also experience, desire, and, most of all, responsibility, are the keys to success.

I have had the previous experience in student government to enable me to carry out the duties of the office of rep-at-large. I had the privilege of sitting on two student councils before coming to Caltech. As for my desire, I welcome the opportunity to serve the students as their elected representative.

Caltech is many things to many people. Athletics, social activities, and academics are all a part of the life on campus. I will do my best to see that your interests and ideas are represented.

The office of representative-at-large is the only student-body office open specifically to members of the freshman class. He does not, however, represent only the views of the freshmen. His responsibility is to make the necessary contracts with the other classes in order to present campus sentiment to the Board of Directors. His vote is just as important as that of any other member.

For that reason, he carries the same responsibility as any other member to know the attitudes and ideas of those he represents. I feel that I can meet the requirement of responsibility to you and your ideas.

The office of ASCIT representative-at-large is not a minor one by any means. It carries with it a number of duties. With your support in this election, I will use my experience and desire to the best of my ability to give you effective, responsible representation on the BOD.

David Dockstader

Responsibility comes from two parts, ability and response. In the upcoming ASCIT elections, both of these characteristics will be required to elect the best officers, the ability of the candidates and the response of the ASCIT members at the polls February 14.

The importance of these elections cannot be overemphasized. As the country's leading technical school, Caltech can accept no less than its most able students to lead it. This is where ability plays a vital part, for "Ability is the most necessary part of responsibility."

Different abilities are needed for all the ASCIT positions, but especially for those positions on the BOD. Members of this Board must have the ability not only to fulfill their other duties, but also to decide what is best for the future of ASCIT itself.

My experience at Caltech has not been lengthy, though I do belong to the debate team and have been in debate for three years, thereby gaining some experience in the judging and weighing of evidence and the making of decisions, a vital part of any BOD position.

What is more, I truly desire to serve Caltech, my most important qualification.

The degree to which any office holder has served is not only proportional to his ability, but also to the degree to which he is allowed to serve. Though ability is the most necessary part, response is the most important part of responsibility.

It is up to each ASCIT member to choose the best officers. Now it is your decision.

Sam "Rusty" Keys

Stripped of the legal language necessary to a constitutional article, the relevant section of the ASCIT By-laws says that the duties of the rep-at-large are to run the blood and charities drives, keep the bulletin board in shape, and scream loud enough at the meetings of ASCIT that the BOD stays aware of underclass opinion.

I'm running for the office of rep-at-large for the simple reason that I love to scream.

I intend to represent the attitudes and opinions of the un-

derclassmen. Too many times representatives to student governments lose track of the flow of their constituents' opinion and thus are not able to really represent them. Your representative does you no good if he will not or can not present your ideas to the BOD regardless of his own opinions. This is my one campaign promise—if I am elected I will make it my business to see that the ballot you cast is not your last chance to influence ASCIT affairs.

Let me do your screaming for you.

Mike Stefanko

Once again the position of representative-at-large is the most contested office on campus. The office is a steppingstone to campus fame and future glory—if that's the kind of rep. that you want. My reason for running for the position of rep-at-large is one of service.

I realize that it is practically impossible to distinguish among the freshmen running for this office. How can you, the voter, tell who will be an activist and who will be a sluggard?

I feel that I have already shown my desire to serve the student body. When the position of gameroom chairman was announced as vacant, I quickly volunteered to fill the gap, and I have attempted to perform the duties of the office as efficiently as possible.

In addition to participating in water polo, for which I was honored to be designated frosh captain, I asked Joe Rhodes what I could do for the Activities Committee. I have performed several minor, but necessary, tasks. At the present time I am on all four of the Coffeehouse subcommittees.

Another consideration is the candidate's platform. Everyone can, and does, say that he will do a good job. With the rest of the candidates, I promise to conduct an efficient Charities Drive and to perform all the other tasks and duties effectively. While the office is designated rep-at-large, the office is designed to present the views of the fresh-

man class. I intend to devote the majority of my time to the presentations of the views of the soon-to-be-sophs. In fulfilling this purpose I intend to prepare and distribute a questionnaire to determine your desires. Finally, I would like to work with the future class officers in organizing for the Class of 69+1 a formal class dance, to be held off-campus sometime first term next year.

It is rare to see a candidate for this office who is already experienced in ASCIT affairs. I am asking you to let me continue this service and to be able to fulfill my promises.

Thank you.

Activities Chairman

Michael Garett

During the past year, Caltech has been able to achieve the beginnings of a sense of unity among its student body. Roughly fifty people are working on committees to promote the ASCIT Coffeehouse. Almost four hundred members of the student body and faculty have contributed to its success. Over forty people participated in the First Annual Caltech Talent Production. About twenty students are involved in tutoring in high school projects. More than one hundred freshmen joined last fall to build a bonfire for the Pep Rally.

This same spirit can spread to almost all phases of Caltech

life, especially the smaller Caltech clubs. Each organization on campus is really a part of the student body as a whole. Thus the Drama Club, the Young Democrats, the Young Republicans, the Totem staff, and the intercollegiate teams all deserve recognition as being a vital part of the campus community—not just small groups whose interest is generated entirely within themselves.

Having been a member of the Activities Committee this year, and having worked on many of the recent ASCIT events, I believe all organizations on campus can receive this support. The potential in student programs which the many Caltech groups can provide is enormous. I feel that it is the purpose of the Activities Committee to put the recognition of the student body behind these organizations. If we can achieve this much, I think we will have a tremendous year.

ASCIT Treasurer

John Cummings

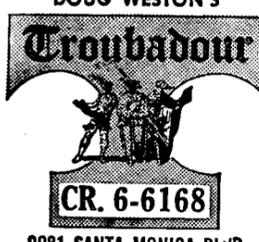
Having served on the BOD for the past year as representative-at-large, I now wish to continue this service as ASCIT treasurer. I pledge to do my best to be efficient and prompt in all the financial affairs of ASCIT.

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- C - Colossal (size 8 boys t-shirt)
- H - Honest (lock pick?? No, it's a paper clip that got bent out of shape)

David Dockstader

Representative-at-Large

Rhodes' Political Machine Grinds Onward

by Hecht

Joe Rhodes has come to be recognized as the sophomore class phenomenon. Upon arriving here, he plunged into activity in the YMCA tutoring program. He was elected ASCIT activities chairman in his frosh year. From this position he has built an organization of committees and sub-committees that accomplish a tremendous amount of work on ideas that Rhodes has developed, among these is the Caltech

Coffeehouse.

Machine politics

Originally composed almost entirely of Blacker House members, this "Rhodes machine" has been somewhat diversified now, although still quite weighted in favor of Blacker.

The largest part of the activities Committee is composed of Blacker sophomores. One of them, Mike Garet, is destined to succeed Rhodes as activities chairman. For the first two terms

of his frosh year he seemed just a quiet troll.

Although now involved in campus affairs, the only part he has taken in House activity was during Interhouse. He was snared by Rhodes for the Activities Committee when he applied for chairmanship of the Assembly Committee. His interest in music got him involved in the Talent Show; he is also on the Coffeehouse finance subcommittee. While Mike originally intended to get involved in campus affairs, he feels that Rhode's efforts and, in particular, his optimism, have drawn him deeper.

Musical marvel

Dan Nemzer, Garet's roommate, is another Blacker soph drawn into the Activities Committee by musical and artistic interests. He also has other interests, represented by his appointment to the BOC as a frosh.

He is involved in the Glee Club, and directed Blacker's victorious Interhouse Sing chorus last year, his only House activity besides Interhouse building and BOC affairs. Rhodes selected him to produce the Talent Show, and that got Nemzer into the Activities Committee; it remains his major responsibility. He is also on the Decorations subcommittee and Coffeehouse Committee.

Quiet-at first

Steve Pomeroy is a third Blacker soph on the Activities Committee. He is a rather interesting character, who succeeded early in his frosh year in presenting the twin images of a super-snake and a super-pool player. As the House grew to know him better, however, it became clear that he studied intensely so he could have more time to play pool.

He was drafted for the Activities Committee because he seemed willing and lived near Rhodes in Hell Alley when the committee was being formed. His business ability led Rhodes to select him to head the Coffee

Hour Committee and the operations subcommittee of the Coffeehouse Committee. Looking around now, Steve wonders how he got into all this and complains about a lack of time. He does play less pool now, but this also stems from time spent as one of Blacker's Athletic Managers, and on bridge games in the lounge.

Independently active

Rich Rubinstein, a fourth Blacker soph, is a different case. He met Rhodes before he came to Tech, and soon became active on campus, getting involved with *Totem* shortly after arriving, in addition to the YMCA tutoring project run by Rhodes.

This earlier activity, as well as living next to Rhodes, led to his appointment to the Committee. Rubinstein, like Rhodes, hopes to eliminate some of the apathy rampant at Tech although editing *Totem* has reduced the time he can spend on the Activities Committee.

The only junior

Rich Drews, a Blacker junior, is one of the House social chairmen and always involved in something in the House. He's an enthusiastic worker, always ready to pitch in on just about anything. He was the third inhabitant of Hell drafted by Rhodes. Although naturally more obviously active than Garet, Nemzer, or Pomeroy, he is less so in Rhode's multitude of committees.

Rhodes, in designing his committee structure, intended it to be independent of his influence, run by the various committee chairmen. If he were to lose this election, his organization would still continue, with Garet leading. Were he to win, it would probably continue expanding.

III Acts of Love To Be Shown in Merry-go-round

by Roger Goodman

Theatre West comes to Caltech Saturday night, February 11, with its production of *III Acts of Love*. The one-night performance, in Beckman Auditorium, will consist of three one-act comedies by Shaw, Schnitzler, and O'Casey.

The cast, starring Christine Burke, Peter Nelson, and Tom Palmer, and directed by Peter Nelson, presents the three masters of modern drama at their height. In Shaw's "Music-Cure," a powerful lady pianist meets a young fellow whom she can coddle—and trample on—to both their hearts' content.

"Literature," by Schnitzler, depicts two erstwhile lovers, both novelists, and both humbugs, who meet again and discover that it can be dangerous to reminisce in print. The confrontation in O'Casey's "Bedtime Story" is between priggish puritanism and ribald paganism.

Tickets to the 8:30 performance are available between 9 a.m. and 5 p.m. at the Beckman Ticket Office. Students receive a \$1 discount per ticket on a pair of tickets.

Theatre West was formed in 1962 when ten actors came to Curt Conway to start a professional workshop. Conway, a veteran actor, director, and teacher, is head of the new talent program at 20th Century Fox.

The purpose of Theatre West, like that of most workshops, is to give professionals a chance to fortify their talents through continued working contact with le-

(Continued on page 10)

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Notices

MATH PRIZES!

A cash prize of \$150 will be awarded for the best original mathematics paper written by a Caltech junior or senior. Contact a member of the mathematics faculty before the end of the second term about the nature of your research.

The Morgan Ward Competition is open to any freshman or sophomore. An entry is a mathematical problem, with a solution or a significant contribution toward a solution. Entries are to be submitted in the fourth week of third term to the Mathematics office, 253 Sloan.

The Mathematics Travel Prize of \$75 is offered to the junior or senior who gives the best talk to the Caltech Mathematics Club during the first two terms.

TIMERS AND TAXIS NEEDED

for Caltech's Annual (almost completely) Computer-Controlled Debate Tournament, February 15-19. If you wish to hear and time these debates, or have a car you could use those days to drive guests, sign up on the list on your House bulletin board or contact David Dockstader in 29 Fleming. A small pecuniary remuneration is available for those who drive.

BAKE SALE!

Relief from Institute food in the form of home cooking such as brownies, cakes, pies, and cupcakes will be available next Monday, Feb. 13, from 9:30 a.m. to 1:00 p.m. on the Olive Walk near the Y office. Help benefit Women's Club activities and your digestions!

THE WARDROBE ROOM

has clothing free to all Caltech students. Tuxedos you can borrow, but if any other shoe fits, wear it away. Get keys from Mrs. Ned Hale in the Master's office.

ORGANIZATIONAL MEETING — BRIDGE CLUB

All those interested in organizing a campus bridge club should come to the organizational meeting on February 14 at 7:30 p.m. in Clubroom One, Winnett.

BOC APPOINTIVE POSITIONS

Those interested in applying for two Board of Control appointive positions should submit their name, House, and class in writing in either the S-box in Ruddock or the P-box in Dabney by 6 PM, Sunday, Feb. 12.

GO

is hairier than chess. Tomorrow, 4 p.m., Y Lounge.

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TECH Sports

Ruggers Undefeated; Down San Fernando

The Caltech rugby team extended its modest winning streak by defeating San Fernando Valley State College 11-3 last Saturday.

Facing a very strong wind in the first half, Caltech had to battle fiercely to hold San Fernando to one try (touchdown). The spirited play of the forwards, with Jon King, John Gallivan, and Jim Fisher outstanding, and the deadly tackling of backs Peter Dodds, Jim McWilliams, and Dick Lipes, completely demoralized the San Fernando at-

tack.

Mortell is a convert

With the wind at their backs in the second half, the Teckers were constantly on the offensive and soon Mick Mortell kicked a short penalty to even the score 3-3. After a good passing movement, McWilliams scored with a determined run. Robert Bellue clinched it with a 30 yd. run, beating the San Fernando full-back with a magnificent sidestep to score under the goal posts. Mortell converted to make the 11-3 score final.

Matmen Beat UCR Week's Wrestler

This past week was one of the most exciting for the Caltech grapplers, with a victory last Wednesday followed by a disappointing defeat Saturday.

Wednesday the matmen went to University of California at Riverside and got revenge for Caltech's close defeat the Saturday before. In what was possibly the team's best effort this season, the Beavers proceeded to win the last five matches and emerge victorious 17-10.

Caltech's strign of victories was begun by Wrestler of the week Steve Patterson, who had dropped from 145 to 137 lbs. for this match. Really eager, Steve dominated the match and brought home a pin in the middle of the third period. Then Dick Thornberry, wrestling at 160 (the 145 and 152 weight classes were forfeited by Caltech), won a 2-1 decision in the closest match of the evening.

The next match was a contest of strategy. Joe Devanny emerged from the first period behind Eugene Fleming of UCR 4-2. Nonetheless, Joe was master of the situation, and early in the second period he got an escape and a takedown. Going

into the third period Joe had an 11-9 lead that won him a decision at the end.

At 177, Doug Mason wrestled the same man he had pinned only 4 days before. Doug went in and completely dominated the first two periods scoring 12 points in the process to win by five.

Last, but certainly not least, went the still undefeated Allen Beagle. Facing the same 240-pound monster he met Saturday (reminiscent of "Haystacks" Calhoun) Beagle was again unable a force a pin and had to settle for a 4-1 decision.

Saturday Caltech faced Pasadena College. Although this is the first year that Pasadena College has fielded a wrestling team, it proved too tough a nut for Caltech to crack.

Caltech first four grapplers fell in defeat—three straight pins followed by a decision. The Beaver's best showing came when Joe Devanny pinned his man almost before the match started (in 22 seconds). Tech's only other points came, as usual, from Allen Beagle, who, wrestling heavyweight and giving up

Spotlighted this week is Steve Patterson, a freshman in Blacker. Somewhat tall and somewhat spindly for his weight, Steve has compensated for a lack of experience through determination. Though his record doesn't show it, Steve is rapidly becoming a seasoned wrestler.

About him Coach Gutman says, "There are some students that come to Caltech with a representative amount of athletic experience, but Steve is not one of them. He came to wrestling knowing absolutely nothing about the sport, but to date he has matured to a level of wrestling where he is enjoying the sport and has become an integral contributor to the team. An athlete like Steve, who works hard and never quits, is the type of person that will become a champion."

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Flems Win In Discobolus

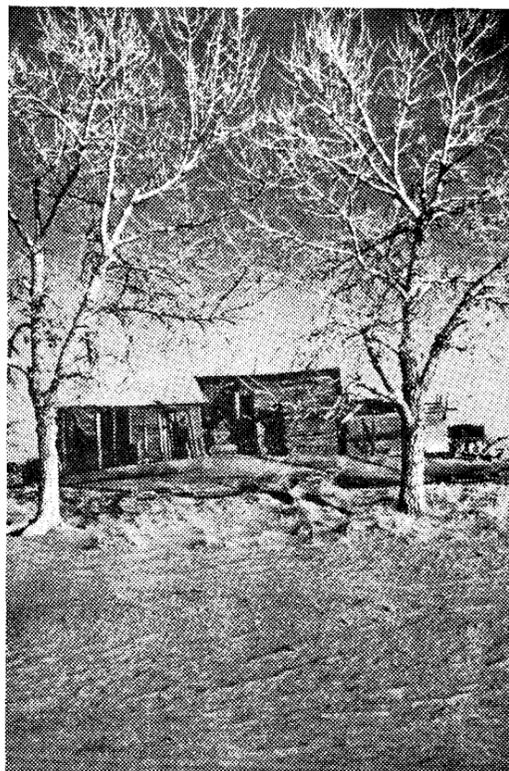
Fleming defended the Discobolus trophy in a bowling match last weekend and thereby moved into first place in the race. In defeating Dabney, the Flems broke a tie with Page and are now leading in the contest for the trophy with 13 points.

The Fleming team of Jack Wiltschke, Terry Warren, Bruce Odegaard, Ken Yano, and Rich Tou-ton beat the Darbs with ridiculous ease in two games. The scores, 817-667 and 879-718, question the rationality of Dabney's challenge in this sport.

Page, second in the Discobolus race with 10 points, has challenged the Flems in basketball, volleyball, and ping-pong. Whichever sport is finally decided on, the game will be played this weekend.

The Golf team is now organizing for the coming season. All those interested in going out for either the frosh or the varsity team should attend the meeting to be held Monday, Feb. 13 at 4:00 p.m. in the lecture room in the gym. Coach Harold Cassriel is looking for prospects, so anyone at all interested is urged to come.

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Page and Ruddock Hoopsters Lose Three Best in IH Track

For the third consecutive year, Page is on the road to capturing the Interhouse track and field victory. As in the past, the only competition comes from Ruddock and Fleming, but Ruddock lost almost all hopes for a first place finish when Alan Lee hurt his knee in the preliminaries. He

After the field events on Tuesday, Page barely led with 26 points, Fleming had 25, and Ruddock 21. No other House got over 10 points. Ruddock had three firsts, Greg Brewer in the long jump with 18' 19", Mike Ruth in the shotput with 41' 7-1/4", and Jim Marable in the pole vault with 12' 1-1/2". The latter is an Interhouse record, breaking the old record of 12' set in 1962. The competition in this event was very strong, the lowest placing height at 10' as opposed to 8' last year.

The battle in the high jump was also tough: a 5'4" jump was needed to place. Last year several 5' jumps received points. Ron Peterson of Lloyd, who set a new record last year, was given an easy chance to win, but Herb Jubin of Page stayed with him

most of way. Peterson finally triumphed with 5'10" to Jubin's 5'9".

Page took a first in the javelin, more by default than skill. Only five men competed with Nathan Isgur throwing 122'8-3/4" to win by a foot. Fleming's lone victory came in the discus, where perennial winner Tom Wilson took the honors with a throw of 125'4-1/2". In the end, it was Page's depth, placing in the top three in every event but one, that won for them in Tuesday's field events.

In the 100 yd. dash the contest is Bill Butterworth of Ruddock and Don Goral and Ron Gregg of Page. Jim Andrew of Ruddock took firsts in qualifying for the 220 and 330 yd. runs. Eric Jensen of Ricketts figures to take the 70 yd. high hurdles and perhaps the 220 yd. intermediate hurdles. The 660 yd. run is a four-way race among Richard Burton of Fleming, Greg Brewer of Ruddock, and Peter Balint and Rich Norman of Page. In the 1320, either Burton or Norman gets a first. Page is favored in the relay.

Basketball action continued through midterms week. The Beavers, weary from exams, were trounced by Oxy 98-59 last Wednesday, made a good showing in a loss to league-leading Redlands on Saturday, and then lost a heartbreaker to LaVerne 85-79.

Occidental's tight man-to-man defense really bothered the Teckers, causing the whole team to play poorly. The game started slowly, the Tigers leading by 16 at the end of the half. But they pulled away in the second half to win by 39.

Scrappy bulldogs

Caltech made a respectable showing against Redlands in losing 98-83. The Bulldogs are a scrappy, aggressive team and they took an early lead on a tight man-to-man press. Fouling too heavily, Redlands was forced to play a more conservative defense. At the quarter Caltech cut the lead to 28-23. Fouls plagued the Beavers; Redlands scored eight straight free throws and added a basket to stretch the lead to 49-29. Tech never threatened seriously after that, despite the fact that they managed to cut the lead somewhat. Caltech lost the game at the free throw line, con-

verting only 25 of 42 attempts, many of them in bonus situations.

Against LaVerne, Caltech showed amazing contrasts in play. After one quarter they were behind by four points, but then the roof caved in. Numerous turnovers proved to be costly; LaVerne led 53-31 at the half. Going to a tight man-to-man defense stiffened the Beavers, and they managed to stay close in the third period. With 10 minutes to go they trailed by 17, then two fast breaks cut the difference to 13. The Beavers caught fire. Steadily the margin disappeared. Driving well and picking up several fouls, Tech trailed by six with four minutes to go. LaVerne started to stall and Caltech countered with a full-court press. George Fox stole the ball and drove in to score with a minute left to make it 81-79, but then LaVerne scored to put the game away. It was a tribute the whole Caltech team that they never gave up. Bruns led with 25 points, followed by Stanley with 18.

The next home game will be Tuesday, Feb. 14 at 8:20 against Southern California College, preceded by the JV game.

Tennis Season Opens Saturday

The Caltech varsity tennis team opens competition against Redlands this Saturday at home. As the team is still in a state of flux, no definite lineup has been set but the following men will probably see action—Tom Buckholtz, Roger Davidheiser, Larry Brown, John Healy, Martin Frost, Greg Evans and Herb Robinson.

Jim Leininger, Bill Fertig and Gray Jennings round out the squad. The team got a little competitive action during the week by playing a practice match with the Frosh.

Redlands team will probably feature Doug Verdieck, the fifth-ranking junior in Southern California, who is now enrolled as a frosh. Matches start at two o'clock and spectators are welcome.

Frosh tennis

The frosh tennis team will travel to Redlands this Saturday with high hopes of victory, as Redlands usually "brings up" its top frosh and we are staying with our strongest lineup.

Squad members include Pete Youtz, Giles Duesdieker, Craig Tyner, Glenn Prestwich, Mike Sperry, Joe Pendergast, Kirk Benson, Keith Edwards, Don Putnick, Steve Heisler, and Pete Zassenhaus. The lineup will depend on ladder matches taking place during this week.

With this much depth the team should score well and in Youtz and Duesdieker has unusual strength on top, giving Coach Lamb an optimistic attitude as to the year's chances.

Rambling Rhodes

(Continued from page 5)

ities. The proposed redistribution of the salaries of the Tech editor and business manager has been long overdue. The editors do an amount of work completely out of proportion to their present salaries.

We have demonstrated with our Coffeehouse program that students can sit down with the Administration and resolve their problems. Such a responsible approach might yield results in other areas.

These are my qualifications and my views. I will do my job as well as I humanly can. The rest is up to you. Thank you.

More RR Christy

(Continued from page 3) of variables which are not understood. "This is only one step in my research on stellar constitution." He also plans to try to improve his present calculations. "I consider them somewhat crude; I would like to see them perfected."

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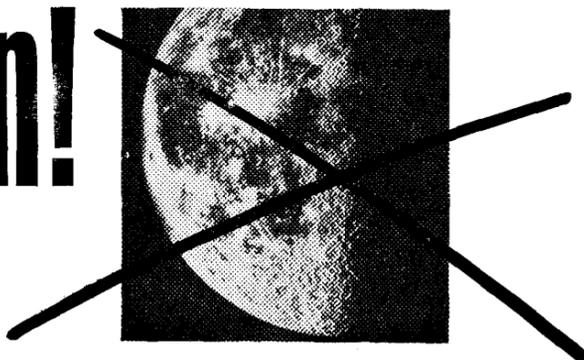
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Social Chairmanship Draws Candidates

Richard E. Drews

The job of ASCIT social chairman is not a one-man job. The only way to carry it out effectively is with the full cooperation of all the House social chairmen and other interested individuals. Having been a House social chairman and a member of the ASCIT Activities Committee, I know the value of having a group of people working with you.

However, no matter how good a group you put together, nothing will happen unless you have a strong leader to kick a few butts when necessary. I'm not averse to kicking or being kicked, but I won't stand for inactivity.

I'm sure that on the Board of Directors my attitude would be one of impatience, for I dislike "little old lady" tactics. However, if you want something other than a little old lady social program, you need something other than a little old lady social chairman. I refuse to promise anyone that I will do any particular thing to improve the ASCIT social program.

Rather, I feel that I can best fill the office by disregarding

what people here say can and can't be done, and see for myself. If you check my record as House social chairman you will find a lot of hard work and whatever originality I could beg, borrow, or steal from myself or others. If you want the same type of social program that ASCIT has had since I don't know when, then don't vote for me.

Unless two-thirds of the total number of people voting want to take a chance and let me try to run a different program than has been seen before, I won't take office.

If elected I want a mandate for action and a strong position on the Board. I know of no other way to do things rapidly and will accept nothing less. Please carefully consider what I have just tried to say and decide if this is what you want. It's your program.

Bill Bradley

ASCIT social chairman isn't such an important job to consider . . . if you **don't** like girls (fall exchanges) . . . or if you **don't** like to snow said girls (lost weekend) . . . or, of course, if you **do** like to snake.

For an unimportant office of this sort, I think qualifications are secondary to willingness to work. Being a frosh, I'm still naively gung-ho (my strong point). My limited experience includes: Fleming social chairman and frosh section leader this year; and class president during my sophomore and senior years in high school.

If you have any interest in the functions of this unimportant office, or if, say, you **do** happen to be interested in girls and snowing same, then I would appreciate your consideration next Tuesday.

Bunny Slated for Charities Winners

er helps students and educational facilities in many countries, while the latter works to inform the world public of the various methods of birth control. Helping minority groups in the local area the Westside Study Center offers tutorial services and job placement within Pasadena.

Playbody Playmate

Now in progress, the drive will last until 5 p.m. Friday, February 17. An attempt will be made to inform each House late next week of the House "standings". The following charity representatives have vowed to win the Playmate for their respective houses: John Ottensmann, Blacker; Gus Schultz, Ricketts; Steve Harper, Fleming; Bob Mitye, Dabney; Dennis Schneringer, Page; Craig McCallister, Lloyd; and Erno Daniel, Ruddock.

A real, live Playboy Playmate will be the dinner guest of the house which donates the most money (per person) to our annual Charity Drive, a Playboy Club spokesman agreed Monday. She will spend about three hours at the winning house on the evening of Tuesday, February 28. The cheerleaders and a faculty couple will also assist at the dinner, so a reception or short party will perhaps make the last night of February a memorable one for all of the House members.

Win a booboo

The three charities sponsored this year are the World University Service, Planned Parenthood, and the Westside Study Center. The WUS and Planned Parenthood are both international in scope; the form-

Cross Given Subsidy For Marathon

The Athletic Department notwithstanding, Dr. Huttenback this week has once again coordinated interests for student benefit. "Yes, Pete Cross will compete in the Boston Marathon," proclaimed the expert on India and Pakistan last Monday.

The Caltech Development Division guaranteed \$200 to insure the goal; meanwhile, individual contributions will be (and already have been made) welcome. Come on, Teckers, kick in your fifty cents.

Give to Caltech

Dr. Huttenback also revealed that the generosity of the Development people will not go unrewarded. A shirt, "gaudy but tasteful," publicizing the Caltech Development Project will ride Pete Cross's frame as he trudges the road to Boston from Hopkington next April 19.

III Staged Acts

(Continued from page 7)

gitimate drama. They were method actors, products of the two great method movements: the Meisnerites and the Strasburgians.

Conway says that Theatre West developed an eclectic approach—beyond just the method. It went beyond strict methodology to pick up acting ideas from many sources, particularly from Europe.

Theatre West productions have been presented by the UCLA Theatre Group on television and on Broadway. The workshop has also visited local high schools to provide an exposure to legitimate theater.

More Ice House

(Continued from page 2)

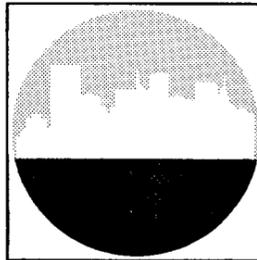
folk-comedy routine, containing many bad jokes and much clownery. They made up for the jokes, however, by keeping a fresh approach for each routine.

I consider this show to be about on par with the average Ice House show. It is certainly better than the January show, at any rate.

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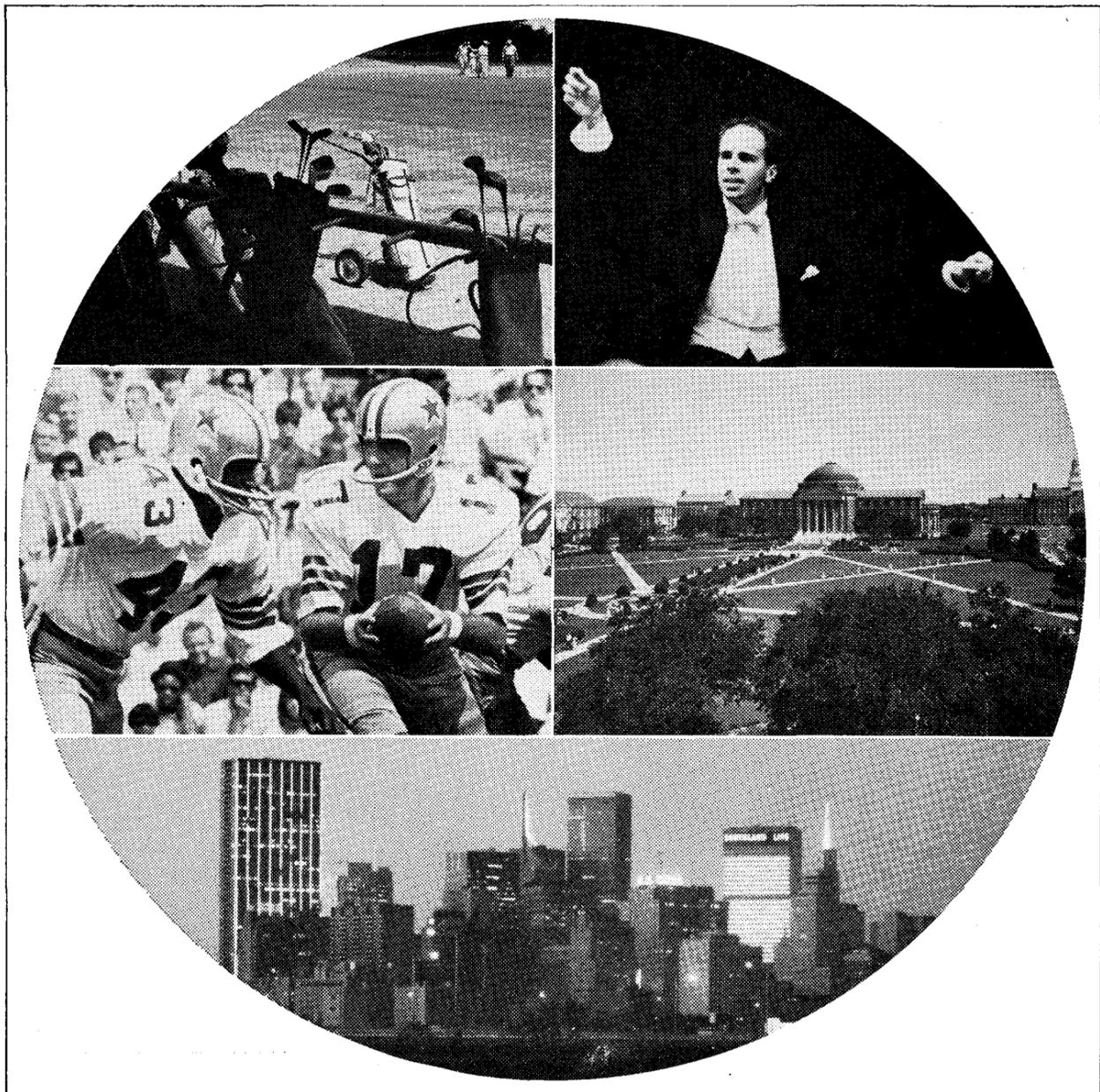
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Campus Interviews

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