



JENIJOY LABELLE . . . What more can we say?

A Portent of Things to Come

Tech Welcomes New Style in Faculty

by Phil Neches

The Page House Dining Room played host to some unexpected guests last Friday. Members of the Tech Staff held a lunch interview with Jeniijoy LaBelle, the latest and by far most interesting addition to the Caltech faculty in recent years. Dr. LaBelle has the distinction of being the first woman on the Caltech faculty at the professorial level.

Dr./Miss LaBelle (take your choice, or, rather, let her choose for you) comes to Tech from the University of California at San Diego (which, as everyone knows, is really in La Jolla), where she took her doctorate in English literature. Dr. LaBelle also holds a BA from the University of Washington.

One of Dr. LaBelle's current projects is re-writing her dissertation into a publishable book. Her dissertation is on Theodore Roethke (who? Theodore Roethke, of course) and his relationship to poets of the past. Apparently, her interest in Roethke stems from the year she studied under him at the University of Washington.

What does she think of Techers as English students? "I don't think the background in literature is any poorer here," said the professor.

She also said that the best science students in any given class are also likely to be the best English students (tell that to your English 15 instructor). "There is a certain value in the amateurism with which Techers approach literature," she continued, obviously referring to the absence of English majors in the student body. "They have an appreciation of it as fun . . . It never occurs to me that they don't just love it [literature] . . ."

On a topic of deep concern, especially to upperclassmen, Dr. LaBelle remarked that she considers

a "C" paper as being a good, solid one. Her goals in class are to have the students "like and understand the works [they] have gone over." She believes that any good English 1 course should include a work by Shakespeare (remember him?) and a work by Dante (known to George Bernard Shaw as "that foolish Italian").

Dr. LaBelle stated that she enjoys the small, closely-knit humanities department here at Tech. Also, she enjoys the proximity of the Huntington Library, which she says will assist her with research in her specialty: Seventeenth Century Renaissance Literature.

Dr. LaBelle is not the first woman ever on the faculty here. Others have preceded her, but only in the capacities of T.A.'s or Research Fellows(?). Dr. LaBelle is, however, the first of the fair sex to attain the professorial level at Tech and, as such, has had to cope with some unique problems.

She reported that she has received a great many letters, ranging from the congratulatory to the ridiculous to the sublime. One read, in part, "Do you like wearing miniskirts on campus and arousing the passions of the men by showing your knees?"

The rest of the press (the *Tech* being above such journalistic solecisms) have created some interesting problems for the first Caltech professor with any ambitions on the Nobel Prize for Literature. One photographer, wishing to portray the scholarliness of Dr. LaBelle, asked her to pose while jogging in a Caltech sweat shirt. "Do they ask Feynman for his measurements?" she quipped about the incident.

Finally, when asked what she thought of "stupid interviews like this one," she replied, "Anything with nine men can't be all bad."

When Generated
On the VariTyper

Moratorium Activities Set Locally

by Dave Dixon

The various Vietnam War Moratorium Committees have planned a three day series of events to discuss the war in Vietnam and to protest it. The events are at Pasadena City College (P.C.C.) on Thursday, Nov. 13, at Caltech, Friday, Nov. 14, and a march in Pasadena on Saturday, Nov. 15.

The committee at P.C.C. is planning a film session from 12:00-5:00 p.m. with films from Newsreel at Harbeson Hall. These films are on the Chicago Riots, the Black Panthers, and on the Vietnam War. That night, a "candlelight vigil" will be held from 8-10 p.m. at Harbeson Hall.

At Caltech, an educational and political program is planned. There will be a noon rally on the Olive Walk, discussion groups in the afternoon and a teach-in at night. Movies will be shown all day.

For the noon rally, there will be three speakers. Rep. George E. Brown, Jr., will be the main speaker of the rally. He is an active anti-war voice in the U.S. Congress. Tony

Russo is the second speaker and he is a social scientist who was formerly a research analyst for RAND Corporation. He has spent over two years in Vietnam. Dr. Arnold Kauffman, a philosophy professor from UCLA, will also speak on the war. The afternoon discussion groups will be organized in Winnett Lounge. They are essentially for would-be activists and activists and will emphasize tactics on how to help end the war. The evening program is planned for 8:00 p.m. in Culbertson Hall. It will be a multi-sided educational teach-in followed by an open discussion period. The speakers are: Dr. Stephen Reichert, professor of political science at P.C.C.; Dr. Lance Davis, professor of economics at Caltech; and J. Morgan Kousser, instructor in history at Caltech.

The films will be shown all day in Clubrooms 1 and 2 and are: "One World or None," "Supreme Challenge," "Voyage of the Phoenix," "Time of the Locusts," and "Schoenbrunn on Vietnam."

On Saturday will be the "March for Whom the Bells Toll." The

march will be organized at 3:00 p.m. in the P.C.C. Hill St. parking lot. At 3:30 they will march from P.C.C. to City Hall. At 5:30 a rally will be held at the City Hall Park with the following speakers: Dr. Herb Meiselman from Caltech; Ken Kay, a P.H.S. senior; Dr. Harmon Gehr, pastor of Throop Memorial Church; Dr. Lester Lees, professor of aeronautics at Caltech; and Larry Benowitz, biology graduate student at Caltech. After the rally there will be a silent candlelight vigil to commemorate those from Pasadena who were killed in Vietnam. People are urged to bring their own arm-bands and candles.

On Saturday, there is also the "March Against Death" in San Francisco. People will leave Caltech by bus on Friday to participate in this march which will end in a rally at Candlestick Park. Some of the speakers at the rally will be Rev. Ralph Abernathy and former Sen. Wayne Morse of Oregon.

Paint-In Results

by the Millikan Troll

The event you all have been waiting for is now at hand! Today, for the first time anywhere, the results of the one-and-only Harold Brown Inaugural Paint-In are being unleashed on an unsuspecting populace.

For those of you who have not yet found out (which means everyone but Dave Smith and a reporter who, for obvious reasons, wishes to remain anonymous) here are the results:

Grand First Prize —
E. Wing Fong: Grecian
Best Scientific Subject
Max Planck Rides Again (h)
Special Rauch Award
Dabney's Blue Nude
Surrealism Award
The Scrippies
Best Judging Award
Dave Smith

tary. Also, legal hassles arose—like no legal majorities for several offices—because of the way the whole elections procedure is written. As a result, the most important election—for IHC chairman—was a waste of time and nobody got the required number of votes.

Because of these problems the elections of Sophomore Class President, Junior Class Treasurer and IHC Chairman were invalidated and will be voted on tomorrow in the houses from 11 to 1 p.m. and in Louise Hood's office in Winnett till 4 p.m. In the absence of an elections chairman the elections will be run by the Secretary and the Directors at Large (Gary Stormo and myself). If there are any problems please contact Derry Hornbuckle via the Off Campus box in Ruddock or see whoever checks the ballot boxes on Friday, as someone will be around to check them every half hour.

Debugging Planning

Smith on Housing Future

by Phil Neches

TECH Feature Editor

Over the summer, a project to remodel parts of Fleming House ran into major difficulties, most of which centered around insufficient advance planning, Dr. David R. Smith, Master of Student Houses, admitted in an interview with the *Tech*. This summer, an even more ambitious renovation project is being planned for the alleys between Blacker and Dabney, and to prevent a recurrence of this year's situation, planning is being done now.

Fleming has a good many valid complaints about the work done over the summer. The lounge was to be re-done, yet the drapes arrived just this week. Both the lounge and the dining hall went without drapes for the first six weeks of the term,

which added to the noise level. Work did not actually start until August 11. Furniture for the lounge had to be ordered during the summer, thus leading to complaints that the students were not consulted.

To add insult to injury, the bulk of the furniture will not arrive until January. One alley was scheduled to be completely renovated, however, this project collapsed when the estimates on the cost ran higher than the cost of new construction.

Planning Ahead

To prevent a recurrence of these sad events, a Users' Group has been formed. Professor Acosta will be asked to chair the Users' Group, which will also consist of Professor Hansen for the faculty, Dave Smith and Lyman Bonner for the administration.

Continued on Page Eight

Anyone who disputes these awards, or who has categories other than the ones above (especially

representatives from the Dean of Students and the Institute Art Program, who helped foot the bill)

should contact the Feature Editor of the *California Tech* which hides out in Winnett Center. Who knows,

your version of the judging may be published too.

Huttenback Open House

Dr. Robert A. Huttenback, Dean of Students and benefactor of the campus beverage, announced an all-campus open house at Arden House Sunday from 3 to 6 p.m. Available will be beer and pizza in large quantities. Dr. Huttenback isn't at all sure of his stock of mugs so he advises everyone to bring his own mug while the beer lasts. He wanted to make it clear that grad students were invited also.

The open house is to be (in the words of Dr. H-back) the "first in a series of genial Dean's Open Houses."

EDITORIAL

Bored of Directors

Two weeks ago, ASCIT held an election. This election was protested by Ed Schroeder last week, on the following grounds:

1) There was not a ballot box in Louise Hood's office for the official length of the election,

2) Louise Hood's office was not open for all of the official length of the election,

3) Page House, Fleming House, and Louise Hood's office ran out of ballots,

4) Dave Dixon's name was omitted from the ballot,

5) There was not an elections chairman for the election.

Points 2) and 5), at least, are directly contrary to the By-Laws and the Resolutions of ASCIT. Therefore, the election was illegal.

ASCIT accepted the results and ignored the protest.

We don't like that. We feel that this blatant disregard of ASCIT for its own rules of operation shows a serious lack of responsibility on the part of the BOD.

We can sympathize with ASCIT's wish to do things the easy way, and ignore rules when convenient. There are times when this is a reasonable course of action. However, it is our belief that illegal procedures should be stopped when it becomes obvious that involved individuals do not wish these illegal actions to continue.

When queried on why the protest was not accepted, Stephen Horner, ASCIT President, stated that the protest was "pure garbage," and when Schroeder replied that he chose not to regard the rules of the corporation as garbage, Horner stated that everything which needed to be done in order to insure a fair, reasonable election had been done. In the first place, the five reasons listed above belie that statement, and in the second place, that was not the point; the election was illegal. Horner tried to claim that Derry Hornbuckle was an Acting Elections Chairman, which was not true *de jure*, at any rate. His general attitude was, "What's all the problem about?"

What is all the problem about, indeed? The actual matter at hand is certainly trivial enough (who the hell cares about ASCIT elections anyway?); what is really important, we feel, is the light that these actions shed on the proceedings of the ASCIT BOD. If we cannot cause ASCIT to obey the regulations set up to control it, in this small case, how can we have confidence in ASCIT's intentions in large cases? There is certain reason to believe that the new By-Law is going to be used as one step in building a grant-winning empire within the ASCIT Research Center and ASCIT, an empire which would be in fact if not in theory independent of any external control by either a hesitant Administration or an apathetic student body.

It is our fervent hope that ASCIT will clean its own house in this matter. If this does not happen, we predict grave troubles for both the BOD and the student body, if not the Institute itself. At the least, the faculty and administration of the Institute, and people in the outside world, should realize that ASCIT does not speak for a monolithic student opinion, that there does exist dissent from ASCIT's apparent courses of action of late.

—Ed Schroeder
Ira D. Moskatek
Craig L. Sarazin

The Beat Goes On

Gossip from Hollowed Halls

by Etaoin Schroedlu

Hottest rumor of the week is that the Department of Health, Education, and Welfare is perturbed with the Institute for not possessing enough faculty members of minority races, and the female sex. As the erudite philosopher says, "Good Grief." But Tech is moving in the right direction—see feature on page one this week.

For all you people who don't like our courses, Caltech has a better idea: take some elsewhere. If current plans go through, you might even be able to do that and remain at Tech. The Faculty Ad Hoc Committee on Exchange Programs is making efforts to enable Techers to receive credit for courses taken at certain other schools. Some schools, such as Oxy, have been approached and wrote back nice letters, if no more.

For all of you who would rather love Tech than leave it, the faculty is considering a few new courses for the rest of this year. Among these are:

EE 163ab, *Digital Communication* (9 units). The communication problem, Gaussian channels, detection and coding theory, and such. Instructor: Easterling.

Ec 129bc, *Economic History of the United States* (9 units). Examination of tools available to economic historians within the American context. Instructor: Davis.

PS 110bc, *Political Modernization and Development* (9 units). Study of literature in the field, and

African case examples. Instructor: Bates.

H 160, *The History of Black People in America* (9 units). Actions and ideas of the black community in America, and especially major political and ideological trends. Instructor: Kousser.

Ec 150, *Research on Population Problems* (units to be arranged). Research in many fields of population growth, movement, and density. Instructors: Sweezy, H. Brown, Bonner, Scudder, Munger.

The Admissions people say that Early Decision is proceeding about as last year... There have been no applications by females for Early Decision. This does not surprise Dr. Schaefer, who figures that very few girls would have taken Level II Math in time for Early Decision.... The Admissions Committee apparently wishes that ASCIT were "more on the ball" about getting people chosen to sit on faculty committees. They are worried that it seems so difficult for the Administration to communicate with the ASCIT leaders in the pursuit of mutual goals. Somebody in ASCIT has to come up with a better system for making those appointments, so that the screwed-up system this year isn't perpetuated.

Apparently the Administration is going to try to increase the number of frosh admitted next year to about 225. It is anticipated that perhaps 20-25 of these will be female, giving us about as many

Continued on Page Seven

LETTERS

O'Neil Replies to Letter-In

Sir:

I thank the four writers in last week's *Tech* for taking the time to reply to my earlier letter, and in the interest of continuing the discussion a little longer I submit this reply.

In regard to the good point of the first two letters; it would be, I believe, rather difficult to isolate the destructive effects of inaugurations and academic processions on the scholarly process. They have been occurring more or less regularly since the thirteenth and fourteenth centuries and during that time I have noted few if any of the destructive effects evinced on campuses where untrammelled political activity is common. One need only talk with a recently-arrived lady professor of English to hear how such political activity affected her stay at UCSD. It would be the fastest way for us to lose some of our best faculty. And as for the disruptions of Saturday and Sunday, I fail to note any effects at all, except for that of finally getting adequate sleep on two days out of the week.

Mr. Falk's letter goes deeper, and is more of a challenge to answer. The usefulness of the Moratorium as an educational experience hinges on one's subjective political views. It is educational for many in that those who agree with its preplanned political bias are strengthened in their belief that they are correct. Disliking wars, a characteristic which I also possess, is a very small part of the political prerequisite for finding the Moratorium educational. I sat through one hour, cumulatively, picked from various of the speakers present, and could find incredibly little that resembled objective scholarship. It is this which I object to, in part. The Institute may pick how my money will be spent, but I have not yet been shown that they fail to know the difference between objective fact and subjective opinion in their course structuring. I would not object to a special, planned, and entirely factual presentation on the historical, economic, and military aspects of Vietnam. But the Moratorium was never designed to be objective. It was the voicing of one subjective political-social argument, deliberately staged to conflict with the normal scholarly pursuits so that the university would be pushed into deciding between the Moratorium and classes. This is the ultimate objection. Sunday, Saturday, and Christmas you may interpret as you will. Dr. Brown's inauguration is the descendant of six or seven hundred years of academic ritual and signalled a factual occurrence, at least. The Moratorium, though, was organized to promote a subjective opinion at the expense of scholarly pursuits. I believe that CIT is still respected in the academic community because, in part, it has seen fit to always place objective search for scholastic excellence above subjective political indoctrination.

I would quote, as a summary, from the *Encyclopaedia Britannica* section on academic freedom. "Academic freedom on the part of faculty members is accompanied by recognized obligations: ... to preserve scholarly objectivity; to refrain from using the classroom for extraneous purposes; and to distinguish the individual's personal role from his institutional or academic capacity." Since this institute is founded so much on student-faculty cooperation, I would suggest that these are our responsibilities also.

Sincerely,
Terrence Jay O'Neil

Dear California Tech:

Perhaps you may think that putting out extra editions for Nobel prize winners at Caltech is becoming a little monotonous. But just in case the series should continue within your lifetime as Caltech students I should like to take the liberty of drawing your attention to the fact that in your lists of Caltech's previous Nobel laureates Linus Pauling's peace prize was omitted. Why? An oversight? A feeling that

peace is a matter of politics and a thing apart from science? A feeling that it is awarded by the Norwegian Parliament rather than by the academic institutions in Stockholm? I would like to say that I would not consider any of these reasons as valid at all. I think Caltech should take just as much pride in the award for Pauling's great humanitarian efforts as in the award for his scientific efforts, and now more than ever.

Sincerely yours,
Max Delbrück

Ed. Note: The list that we used was the official Institute list, provided at the press conferences. No slight was intended to Dr. Pauling by the Tech. We were later given to understand that the Institute's omission of the prize was an oversight, not a deliberate omission. We also take this opportunity to point out that this list was also in error on the prize awarded to Dr. MacMillan in 1951, which was in chemistry, not in physics as listed.

Dear Editor:

Every major public and college newspaper in the United States is receiving a reprint of this article which appeared in the October 24 issue of the Tulane "Hullabaloo." The "Letter-In" is to be a national movement. In order to fully inform your readers, reprint the article in your newspaper on the earliest possible date. Then, pass this letter on to your campus radio station and request public service announcements.

Please notify us of your publication date so we may keep informed of the degrees of progression of the movement.

John J. Levy and Will Long
Chairmen

Moratorium Letter-In

Wednesday's mourning demonstration, "Moratorium," emphasizes an essential aspect of the personality of our times: we live in an age when we must question our politics. We have discovered new sensibilities, new emotions, new involvements, and they have expanded into social movements protesting race relations, poverty, and war. We have sat, picketed, marched, hoped, and prayed for peace between all breeds of men and this we have clearly conducted with the underlying belief that the pen will become mightier than the sword. America is engaged in a war in Vietnam, a war which she did not intend to become so massively involved in; and it is this war which we question most in our age of inquiry. Political and social protest in the United States is for the most part channeled along the limits of our Constitutional rights as citizens. More often we have gathered our bodies in protest than our beliefs. A spokesman for a crowd often clouds your own beliefs and leaves you more dismayed than convinced by your involvements. Americans have not availed themselves of one of their most effective channels for protest,

the Post Office. If the majority of the public conveyed their true convictions concerning the Vietnam war at one time by writing the President one letter a day for one week, the commonwealth of our concern for peace will be substantially communicated without the fear that the good will of our personal opinions will be overlooked or lost in the words of a spokesman for the crowd or of our elected representatives.

The timetable for your protest is to mail your letters daily beginning November 9 and continuing through November 15 to Richard M. Nixon, President of the United States, 1600 Pennsylvania Avenue, Washington, D.C. 20006.

On November 12, the bulk of your opinions will reach and pass through the doors of the White House. The letter-in can be an impetus to the march, perhaps be even more effective. The White House staff will open each of your letters and your beliefs will be noted. An estimated sixty million letters will arrive at the White House on Wednesday, the first day of your protest.

Use the following procedure in mailing your letters: 1) Type the address. Use the Zip Code. Business and Institutional envelopes may be

Continued on Page Seven

PAT'S LIQUORS AND DELICATESSEN

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Campus
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Quizzical Meta-Physical

by Jonathan Post
Tech Humor Writer

0 was obviously distressed. In fact, the more *1* explained his new theory, the more *0* swirled and pulsed within the boundless realm of nospace. Finally *1* concluded. "Therefore," he stated calmly, "postulating 'matter,' 'space,' and 'time' as I have already done and throwing in certain boundary conditions, such as $F=ma$ and $\text{div}(\text{grad}(\text{vector field}))=\text{scalar field}$, the hypothetical universe I envision will, unlikely as it seems, behave in precisely the manner I have predicted."

"Unlikely indeed!" snapped *0*. "I am upset that you can begin to devise such a spurious system and claim to deduce such ridiculous results," he fairly bristled with disagreement. "We have had arguments in the past over such matters as whether or not sets can exist, the true nature of ambiguity, and universal axiomatic incompleteness. Yet, while my disagreement here is of a less fundamental nature, I nonetheless am violently opposed to your results."

"Ah, *0*," remarked *1* with amusement, "unless you feel like solving some 10^{**70} differential equations (trivial, though boring), you must accept my conclusions."

At this, *0* spun and flared about, furiously calculating. Finally: "*1*?"

"Yes, what is it, *0*?"

"I believe that I shall construct a large computer to check your theory numerically. Once I feed in the input parameters, we can just set back and watch it grind out the answer."

"I'm game," nodded *1*.

0 fed in axioms, definitions, and parameters for an interval of no time and then began the calculation. "LET THERE BE LIGHT!" he said....

We cordially invite California Tech students and faculty members to bank with us.

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Nick Smith Heart of Darkness

Are the police and courts really exempt from the law? One really wonders after the events of the last few weeks. A privileged group seems to be getting away with murder, or at least manslaughter.

The current rash of questionable justice started with the almost accidental shooting of a young man by the police. It seems that they had stopped him, believing him to be a suspect in a robbery case. He had a serious speech impediment, and tried to show the officers a card with this information and his name. One of the officers, a rookie, cried out, "Look out, he has a gun!" and proceeded to fire a shot. He missed the "suspect" and shot his partner in the hand. The wounded officer, thinking he had been shot by the suspect, killed same with several shots at close range. It later became obvious that the dead man was not only not armed, but did not even vaguely fit the radio description that had been sent to the officers. Why he was stopped remains an official mystery. No indictments were issued.

"Mistah Kurtz—he dead!"

A month ago, a drug raid was conducted in Whittier, without the knowledge of the Whittier police. It was conducted by state agents and a member of the Vernon police. (This policeman was inexplicably carrying his own personal rifle, an AR-15. This is an extremely high-velocity rifle, equivalent to one used in Vietnam. The raid was to be on an apartment, and first, the agents mistakenly broke into two wrong apartments. Finally, they went into the right apartment. The rifle went off while being brandished at the suspect. The bullet went through the floor, killing a young man in an apartment below. It was discovered that the agents had been drinking on duty. At a coroner's inquest, it was ruled that the shooting was a criminal act, but the county Grand Jury refused to issue an indictment. The agent's penalty for manslaughter? He was suspended from active duty for a month. An average

citizen would have got ten up to twenty years in prison for the same kind of "accident."

"A penny for the old guy."

Even more recently, a local superior court judge was released upon his own recognizance after being accused of stabbing his wife during a drunken brawl. (That phrasing, by the way, is not mine. A neighbor had called the police to report a "drunken brawl." To the best of my knowledge, there was no disturbing the peace charge.) Basically, the judge was released without posting bail, merely on his own word. This is not really done very often, because not very many stabbing suspects are considered reliable. Had he jumped "bail," he would have forfeited nothing but his promise. Compare this with the fact that it is easily possible for someone to spend 48 hours in jail before bail is set on a mere misdemeanor.

"Justice?" "Him too."

One tends to wonder about the equality of enforcement when these and other such incidents come to light. Is it really fair for these people to receive special treatment under the law? Can they really be trusted with their old jobs? Do you feel safe having your rights guarded by trigger-happy police, or others drunk on duty, or by a judge who can become drunken and violent? I'm not sure that I do. There are many good, careful, and honest police and judges, but if laws are not enforced equally, this means nothing. The great hue and cry over law and order assumed that they are not two separate things. When law favors disorder, or when order is in opposition to law, then something is wrong. When cases are decided on the basis of who or what a man is, rather than on the facts of the case, then something is wrong. When police are forgiven "mistakes" that cost innocent lives, then something is wrong. That something must be corrected, or else there won't be an America to love or change. Just a pair of Russias.

"Fourth?"

by Robert Geller

An essential part of good card play is to plan the play of a hand to preserve your options until you have an accurate count of your tricks. Today's hand, played in a first-round knockout match at the Golden State Regional in Palm Springs, gives a simple example of this theme. In playing the hand, declarer left himself with the maximum chance of making his contract by making a play which is very obvious after a little bit of thought. Our declarer, however, made the right play at the table.

The bidding showed the preemptive effect of the weak notrump, which kept West completely out of the auction when his side was cold for three spades. No doubt West should have bid something with his hand anyway (whatever convention his partnership used to show a major two-suiter), but that was his problem, not mine, which is writing a weekly bridge column, or

yours, which is deciding how to play the hand before reading any further.

Count Your Tricks

After the spade king wins the first trick you can count six certain tricks, one spade, four clubs and one diamond. All you need is a four-two or three-three split in clubs to provide your seventh trick. Since the probability of a favorable club split is 84%, most players would just lead a club to the king and a club back to the ace—and they should go down. But you played the ace of clubs and a club to the king. Then when you got the bad news about the club split you were in a position to try the diamond finesse, making your contract with an overtrick when the finesse won. Blocking the clubs could hardly lose, since if the clubs split you would lead a diamond back to the ace and cash your clubs for seven tricks and your contract. Well played, partner!

North

S K 5
H 10 8 5 3
D Q J 10 6 4
C K 2

West
S A Q 9 7 2
H K Q 9 6 2
D 7 3
C 7

East
S J 8 6 4
H A
D K 8 2
C 10 9 8 6 4

South
S 10 3
H J 7 4
D A 9 5
C A Q J 5 3

Both Vulnerable
THE BIDDING:

South West North East
1 NT Pass Pass Pass

West led the seven of spades

NOTICES

IN THE BEGINNING . . .

There was physics. Come to the first meeting of the Caltech Physics Club and find out about pulsars from Professor Peter Goldreich. The meeting will be on Tuesday, November 18, at 8:30 p.m. in the home of Professor Barnes, 1546 Rose Villa. Everyone is invited. Refreshments served afterwards.

ANNOUNCEMENT

Jon Post, Ruddock, is pleased to announce:

"I am the Risk champion of the entire metagalaxy! No? Well, then, prove it!"

WANT POWER???

Tired of House politics? Disgusted with ASCIT? Get some real work done by serving on faculty committees. Many openings available including admissions committee (help admit the first women to Caltech) and health committee (the life you save may be your own). Submit your application to any house president or excomm member.

BIG T

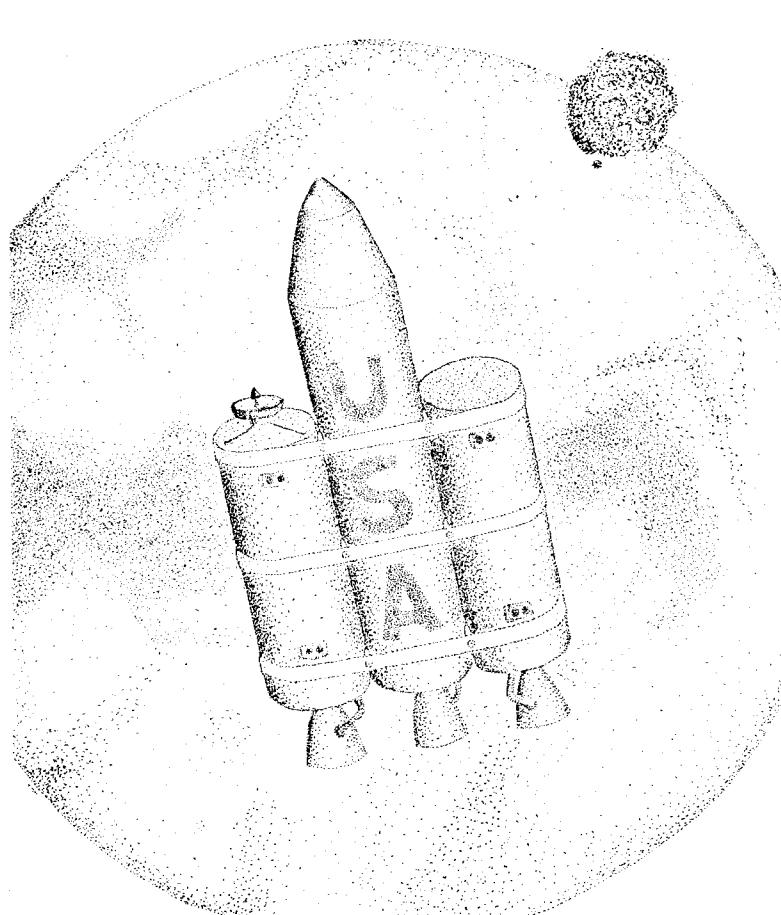
OFF CAMPUS members can get their yearbooks from Louise Hood.

UNDERGRADS—

On Tuesday, December 2, Peter Marx, whose legal counseling Caltech has retained primarily for graduate-student draft problems, will speak on problems concerning undergraduates and in particular, graduating seniors. If you have any questions concerning the draft (like what to do when your II-S runs out), come to the meeting at 7:30 p.m. in 151 Crellin. This will be the only meeting of the year devoted to undergrads so don't miss it. For more details see Bernard Unger in 101 Lloyd, or call 449-1564.

PLACEMENT

Donald S. Clark, Director of Placements, will discuss general placement problems, interview procedures, handling of correspondence, offers and acceptances and salary data on Wednesday evening, 3 December. The meeting will be in Room 206 Dabney, starting at 7:15 p.m. and is open to students of all levels.



FUTURE MARS LANDING SHIP? — No one, including NASA, knows for sure, but the TECH has learned from reliable sources that the manned Mars module will probably look like this and carry a crew of five or seven men.

"GOODBYE, COLUMBUS"
IS A VERY FUNNY,
IMMENSELY APPEALING
MOVIE. A THING
OF REAL AND
UNUSUAL
PLEASURE!"
—Vincent Canby, N.Y. Times

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Script, Cast are Brilliant

Hadrian VII is Top-Notch

by

Ursula Hyman & Paul Levin
Sharon Mason & Phil Neches

TECH Drama Staff

"It's not that often that you get a meaty part like this one," said Hume Cronyn, star of *Hadrian VII*. Reviewers from the Tech Drama Staff discovered this and more about both Mr. Cronyn and his part, as we were privileged to witness his virtuoso performance at the Ahmanson Theater.

Hadrian VII bases itself on the life of Fredrick William Rolfe (pronounced Rof), a rejected priest, schoolmaster, painter, musician, photographer, inventor, astrologer, writer, and somewhat cracked somewhat genius. He sought to become a Catholic priest, and although he never realized his ambition, he continually dreamed of it.

In reality, Rolfe was a sick and bitter man. He felt himself constantly victimized, especially by the Byzantine politics of the Catholic Church. Those who were jealous of his abilities and those who were simply mean terrorized his life. Rolfe characterized himself in one of his novels as a crab: a hard, almost impervious exterior equipped with pinching sarcasm surrounding a soft, highly vulnerable interior.

Novel Experience

In his novel, *Hadrian the Seventh*, Rolfe fantasizes himself into a different, yet similar, version of himself. He became the only true Christian in the Catholic Church: he wanted to open the churches to everyone, especially the sinners who need them most; he wanted to sell the Vatican treasures to help the world's poor — practices which would offend some Catholic clergymen even today.

Rolfe poured his frustrations and bitterness into an earlier work, *In His Own Image*, (1901). His novel *Hadrian the Seventh* (1904) lacks the bitterness and vituperation of his earlier work. Instead, Rolfe used his formidable wit with a sense of irreverent reverence. *Hadrian the Seventh* reflects Rolfe's goals and aspirations: he made himself Pope. It also reflects his insight into the machinations of the Catholic Church in that he failed, but failed as a tragic hero: once he started, there would be no turning back.

Merge: Yes

Peter Luke has brilliantly merged the life of Fr. William Rolfe with his novel, thus yielding the play *Hadrian VII*. One finds all aspects of Rolfe mirrored in the play: the idealist, the scoundrel, the Christian, the heathen, the genius, the lunatic. Also, one finds a highly entertaining and profoundly moving tragicomedy. Luke does this all with such consummate skill that one hardly notices the imprint of a writer on the stage action—one finds oneself almost totally convinced that Rolfe's fantasies are real.

The transition from Rolfe's real life to the world of his novel is so skillfully handled that one will

probably not notice that anything has changed until the last scene, by which time one has become totally involved with the play.

Good Humor

In addition to masterful drama, Luke preserved the irreverent humor of Rolfe's novel. Some of the comments require some acquaintance with the Catholic Church, others will delight anyone but the most sensitive Cardinal. "The Creator built Italy from plans by Michaelangelo," remarked Rolfe (quoting that illustrious heathen, Mark Twain) upon first seeing the Vatican. As Pope, he remarked, "Beneath every fat priest lie the bones of a skinny martyr . . . what this Church needs is a new martyr." Perhaps the comedic highlight of the play comes when Rolfe, as the Pope, lights up.

Luke does not give the Pope all the good lines. Mr. Sant, professional enemy of Popery, finishes one argument by asking Rolfe, "When you go to Communion, you eat the wafer which is supposed to be the body of Christ. Doesn't that make you a cannibal?" (By the same reasoning, are priests vampires for drinking the blood of Christ?). Even history supplies Luke with lines. For example, "Hadrian IV, first and only English Pope . . . son of a monk!"

Effective Company

The company complemented the script well. The Latin chant was particularly effective and well done: one rarely hears chant done that well. Malcolm Armstrong as George Arthur Rose got the most possible out of his few lines. Liza Cole as Agnes played the sweet little old lady to the hilt.

Continued on Page Six

THE MUSEUM 103 SO. FAIR OAKS PASADENA



THE MUSEUM is an international folk dance cafe in Pasadena that encourages the pleasures of ethnic dance and music. The most esoteric requests can be filled, while the more common joys are sensitively provided for: meeting friends, playing chess or backgammon in the patio, or simply mending frayed nerve ends over a cup of coffee. The mood is casual, the people are warm and enthusiastic.

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"Curious"-It's Not Titillating

by Ira Moskate

Horny TECH editor

Vilgot Sjoman's *I Am Curious (Yellow)* is a monument to the adage that raw flesh is not exciting. Set in Sweden and centered around an activist movie within a movie, "Curious" is the story(?) of a girl and one of her bed partners, even if they never do it in a bed.

The movie opens with Lena (the protagonist) interviewing men and women on the street on the subject of whether Sweden was a classless society. The interview is fairly realistic and in parts quite engaging. The subtitles are extremely well done but the sequence lasts too long.

We are now conscious of the fact that a movie is being filmed. The trouble is that we don't know which sequences are in the film and which are in the plot involving the main characters. The first sex scene is hilarious. Lena's father works in a picture framing shop. Borje sees her there while buying a frame. He makes friends with her father and goes to their pigsty of an apartment. He asks to see Lena's room. They start to neck and he fumbles with her pants. She keeps saying "No" and then takes them off herself and says, "This won't work." She then gets a mattress and pillows and they begin to help each other undress. The basic problem is that they're both total clods. He eventually manages to get her bra off and . . . etc. A blackout appears and a woman on a television screen says, "Our picture is lost due to difficulties in coupling." (Curious)

The film now reverts to its political theme and back to Borje.

(Occasionally her back to him.) The film editing job is extremely amateurish and sometimes the audience loses track of where the scene is set. The sexual interludes are generally disjoint from the action and, while educational, add nothing to the plot.

One of the sex scenes, however, shows a stroke of brilliance, in its very comedy. Borje and Lena are walking by the Swedish Palace and stop by a low wall. Borje whispers something into her ear. She smiles and the camera cuts to a Buckingham-style sentry and back to the couple. She removes her panties from under her skirt and sits on his lap. They begin to rock back and forth. The camera cuts back to the guard, about 18, and focuses on his Adam's apple. He gulps. The scene lap-dissolves into the action and the audience cracks up. What a way to go! (Wrong verb)

The rest of the movie smacks of Freudian imagery: Lena going through a pastry shop eating all the eclairs and whole whipped cream pies. She has a dream in which she ties all of her previous lovers (23, all of whose dossiers she keeps) to a

tree. Borje shows up. She shoots him, and then ritually castrates him with a knife. She then rides down the road on a bicycle having a dialogue with Martin Luther King about the necessity of non-violence. The camera cuts between her and movies of him.

In the last scene of the inside movie, Lena reveals to Borje that she has "scabies." He says, "So that's what I've got." (Curious) The next scene shows them in a clinic being scrubbed in the altogether. Two rows in front of me in the theatre were two married couples, overdressed for the theatre. When the scrubwoman took a wet brush to his genitals, one of the women remarked, "OH, my God!" (Yellow)

In general, I would recommend this movie to either those with nothing better to see, or to those guys and gals who would like to learn about the anatomy of the opposite sex. Lena is fat with drooping breasts and definitely not sexy. By the way, the willpower award of the year goes to Borje, who during every seduction scene was able to suppress the normal male biological reaction.

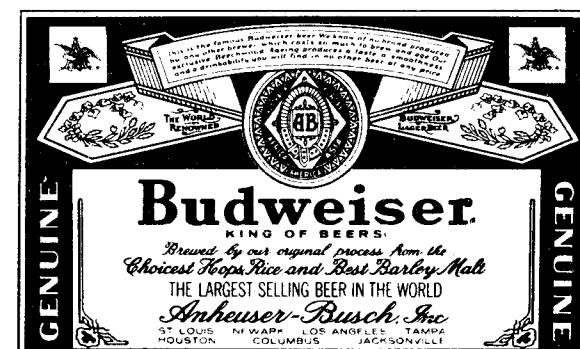
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A Wilde Time and a Modest Proposal

by Alan Lederman
TECH Reviewer

The California State Repertory Theater, one of the newer members of the Los Angeles theater community, previewed the type of drama it hopes to present throughout the coming year. This group does not attempt a great deal, but still remains in many ways inadequate.

Born To Be Wilde

The program chosen for Friday's performance was entitled *An Evening With Oscar Wilde*, consisting of readings based upon *A Picture Of Dorian Gray* and *A House Of Pomegranates*. *Dorian Gray*, an

extremely powerful piece documenting the moral decay of a man, was the artistically superior of the two. The three men and two women of the CSTR varied roles, reading selections from the play. The direction was most appropriate, maintaining the sense of action throughout. The editing done was superb, preserving both the essence of the plot and the richness of the prose. William R. Barton, who, incidentally, is a technical writer at J.P.L., did the adaptation. One could say he was "born to be Wilde."

The other piece, *A House of Pomegranates*, fared far less well.

This was a collection of four children's tales. These were chosen to illustrate Wilde's effulgent wit and affection for children. Unfortunately, the staging and direction were very uncreative; each member of the company sat on a stool and recited a portion of a child's nursery rhyme. But Wilde's forte was not nursery rhymes, and the quality of *Pomegranates* could not support the weight of an hour of narration from notes, uninterrupted by visual action, lighting effects, or costuming. An appropriate analogy could be made with the presentation of a physics lecture

Continued on Page Six



Tim Morgan plays the Ice House quite often, it seems, and now I know why. He puts on a show that is excellent for a small club-type audience. He opened with the longest medley that I've ever heard, nine full songs, and did them well. He plays guitar, and is backed by an acoustical bass and drums. This first medley included "Wichita Lineman," "By the Time I Get to Phoenix," and "California Dreamin'." A little later, he did an Elvis imitation on "Heartbreak Hotel" and "With All My Heart" (remember those?). He did many more songs, and the best were "Joey" and "God Bless the Child." The only fault I found with the performance was that the drummer occasionally did odd things, like drowning out Tim Morgan. Tim Morgan explained, however, that the drummer was evidently new to the arrangements being used, and so the audience forgave him. Tim

Morgan's audience rapport is excellent, as is his music. I suggest you go see him some time.

This time, the comedy act was not a low point in the show. Nelson and Levenson write and perform on the Lohman and Barkley show, which is a local show that is sort of between Laugh-In and TW3. Nelson and Levenson did some excellent material, well presented. They did a wild routine based on the idea of today's 16-25 generation fifty years from now, and several others just as funny.

Carol Kristy had been held over from the previous week, and the only thing that I can add beyond what I said then comes from a verse of her closing song, written by Jacques Brel, From "Jacques Brel is Alive and Well." It said, "If we only have love, Then Jerusalem stands; Then death has no shadow, There are no foreign lands." Indeed.

-Nick Smith

The Critical Ear

THE ORGAN IN SIGHT AND SOUND: E. Power Biggs; Columbia KS 7263.

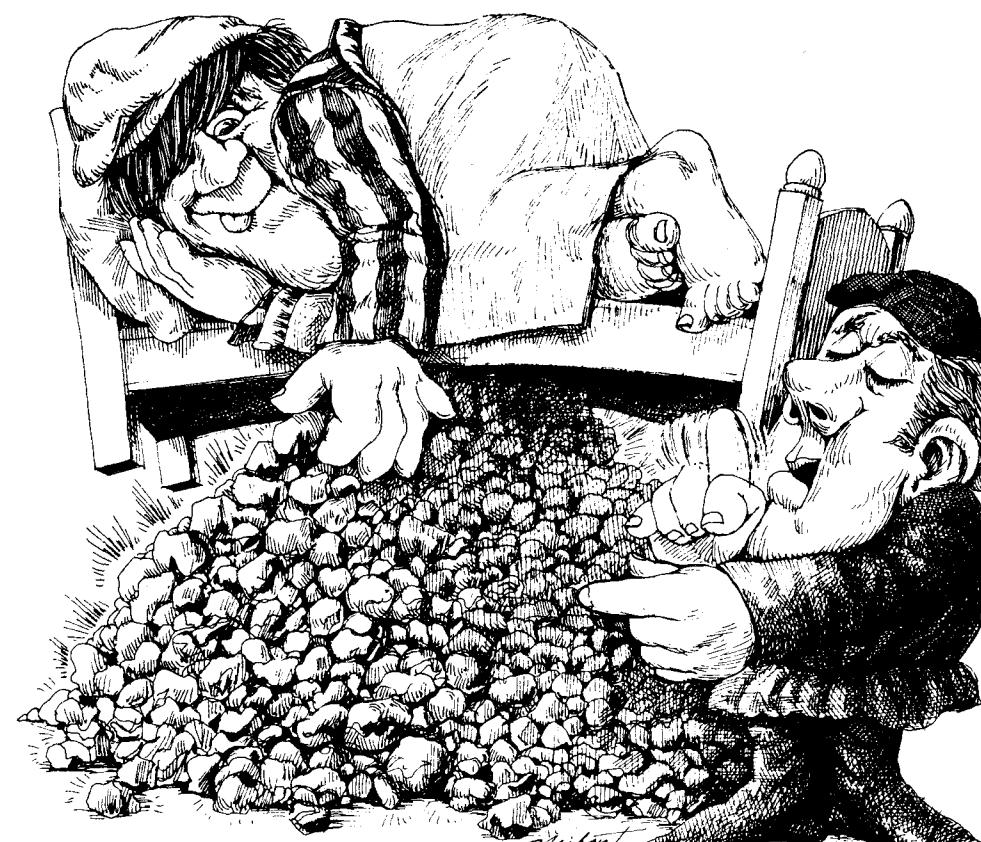
This album consists of 110 music "examples" played on a variety of organs. There is a narration by E. Power Biggs on how an organ works, how one changes its tone, and the inferiority of most of today's organs. A 12" x 12" booklet is also included. It contains text written by D. A. Flentrop, an organ maker, and E. Power Biggs. The booklet covers, with words and pictures, designing and building of an organ, pictures of the organs used for the record, and E. Power Biggs' views on today's organs as contrasted with those of the 17th and early 18th Centuries.

The record itself contains short

(in some cases, very short) excerpts from different pieces of music by many composers, held together by Biggs' narration. In the course of the record, he discusses what changing certain stops will do, how the different manuals and divisions sound, et cetera. Also, he takes several digs at today's electric and electronic organs that are made to sound like an entire orchestra.

The stereo quality of the record is good, and the volume level is high. If you are interested in only organ music, then don't buy this album. However, if you are curious about how a good organ sounds, and perhaps have a vague interest in how the sound is made, I highly recommend this album. It is 45 minutes of enjoyable listening and reading.

-Bruce Britton



The tale of the minor miner

ONCE upon a time there was a young miner named Olaf. He couldn't be considered a major miner, having only a very small gold mine with one ore car and a single track.

Although his mine was small, he mined a considerable amount of gold, which he hid under his bed. Soon, however, his hiding place became apparent: his bed stood four feet off the floor on a pile of gold nuggets.

One day one of his brothers said to Olaf, "Hey, Olaf, why don't you put your gold in some safer place? Like Security Pacific Bank."

"Nope," said Olaf.

"You'll earn interest."

"Nope," said Olaf.

"You can even open a checking account there."

"Nope," said Olaf.

Olaf's brother shrugged his shoulders and went off to polish a tarnished silver mine.

The next morning Olaf awoke to find his gold gone. Tiny elf tracks led from his ex-pile of gold to the woods. If only he had listened to his brother, he wouldn't still be pushing that ore car up and down that track.

But then, as everyone knows, you can't tell anything to a kid with a one track mine.

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"COME TO LIFE"

A Wilde Evening

Continued from Page Five

by a committee of five. When the actors closed the last page of their notebooks, and the audience was relieved of the onus of their presence, the theater emptied as rapidly as any lecture room here.

A Modest Proposal

The taste of this reviewer is quickly being cloyed by the "packages" appearing at Beckman. At present, we have only a sequence of weekend performances which have neither correlation nor continuity. The necessity of small productions limits scenic effects to a few props, and audio effects to imitative tape recordings, mocking the verisimilitude necessary for a powerful production. Moreover, advance publicity has not at all saturated the Caltech community. At *Wilde* there were no more than ten undergraduates, attendance being perhaps a meager forty per cent. I suggest therefore as a lucrative experiment the introduction of a permanent theater group resident at Caltech for perhaps two months. Such a group would aggrandize Caltech's academic wealth in the following ways:

(1) At present, no one here at Caltech knows just what are the strengths and weaknesses of Beckman. The packages we receive are designed for the least common denominator of all the stages they must perform on. A resident company could make full use of Beckman, enabling it to use elaborate scenery, and musical and lighting effects.

(2) The company would have time to familiarize itself with Caltech and become part of the community here; dinners at the student houses and such would bring an entirely different viewpoint to the campus. It would be a good

first step in introducing an expanded humanities program.

(3) Caltech support would enable the company to experiment, something our pre-packaged commercial products just cannot do. There is no reason Caltech's policy of support for creative research should be limited to the physical sciences.

(4) Most importantly, many Caltech undergraduates would be introduced to the theater if the company were presenting works relevant to them. This is important in a well-rounded education, and would undoubtedly improve the social climate as well.

One must expect little undergraduate enthusiasm at present. For example, despite the fact there are at present no females at Caltech, few undergraduates would care to spend *An Evening With Oscar Wilde*.

Notice

Friday is Drop Day



"Hadrian VII"

Hadrian VII

Continued from Page Four

The two major antagonists, Sant and Mrs. Crowe, found players well suited to the roles. Donald Ewer's Sant makes one understand just why there is so much turmoil in Northern Ireland these days. Sant brought a frightening zeal to his crusade against Catholicism and Rolfe. Mrs. Crowe, as portrayed by Margaret Braidwood, was the right mixture of a woman angry with Rolfe but who still wanted him.

Having a strong company is great, but having a strong company with a fantastic lead makes for an unbelievable performance. Hume Cronyn brings superlative ability to the delightfully nasty role of Rolfe. At one point in the play, Rolfe has a severe fit, which Cronyn acted so skillfully that the audience expected Rolfe (and Cronyn) to die on the spot.

Graft & Corruption Rules!

After the performance, the Tech Drama Staff had a private audience with the Pope himself (Cronyn). His Holiness said that it would take a week to explain just how he approaches the role of Rolfe. He

pointed out that unlike many contemporary plays, for which clues as to how to approach a role can come only from the playwright, there is a wealth of information about *Hadrian VII*. Not only did Cronyn have access to the novel, but he also consulted *The Quest for Corvo*, a biography of Rolfe by A. J. Symons. "It's not often that you get a meaty part like this one," Cronyn said. "There was too much information about Rolfe ... It was a matter of selection."

Cronyn said that Rolfe was a great Christian only in his fantasy; he was a bitter man in reality.

We were both amazed and pleasantly shocked that Mr. Cronyn took the time to talk with us. We greatly appreciate this gesture on his part. He said that it would take him a week to explain how he viewed Rolfe, and had we stayed for that week, the seventh day would have been as fascinating as the first.

In case you have not noticed, this is a rave review.

**BY ALL MEANS GO SEE IT!
ENDS NOVEMBER 22**

—Editor's Note: To guarantee the neutrality of this review, we would like to state that the Tech Drama Staff consists of two Jews, a Protestant, and a Catholic.

**It seemed so hard.
To really get involved.
To have a voice
in man's destiny.
It was so simple.**

NOTICE

Under the new bill which is being considered by Governor Reagan, stating that Topless - Semi Nudity - Complete Nudity entertainment will be left up to the adult people of the community. The HI LIFE (1758 E. Colorado) is now conducting a poll to find out what the adult people of Pasadena want to see as entertainment.

We would like you to express your opinion by voting at our Private Ballot Box at the Hi Life. Then we will be able to give you the type of entertainment you want without offending anyone.

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Moratorium Letter-In

Continued from Page Two

used. 2) Use first class postage . . . Special Delivery and even better, registered mail (it must be signed for) will insure faster delivery.

President Nixon may never read your letter as such but he will be intimately reminded of your convictions for peace. We have a message to give to President Nixon. Let us be united in a common effort to express our beliefs as Americans.

SPROTS MENU

by Brussel Sprots

TECH Vegetable Editor

Friday, November 14, 1969 Varsity Water Polo at Claremont-Harvey Mudd; 4 p.m. JV Water Polo at Claremont-Harvey Mudd; 5 p.m. **Saturday, November 15, 1969** Undergraduate Soccer, Oxy here; 10 a.m. Cross Country District Meet at Cal Lutheran; 11 a.m. Soccer Club at San Fernando Valley State; 11 a.m. Football, Oxy here; 1:30 p.m. **Wednesday, November 19, 1969** Varsity Water Polo at Redlands; 4 p.m. JV Water Polo at Redlands; 5 p.m.

Coin of the Realm

Our Guest Speaker this month will be Elizabeth Case, speaking on the topic of "Tokens and Medals." Mrs. Case is Vice President of the California Exonomist Society, Recording Secretary of C.O.I.N., and Recording Secretary (soon to be President) of the West Valley Coin Club. She is a collector of exonumia as well as an authority on the subject, and will bring an exhibit of various appropriate material to illustrate her talk. This topic seemed particularly appropriate at this time in light of the arrival and distribution of our Mariner 1969 Commemorative Medal.

Free refreshments will be served at the November meeting as usual and a coin auction will be held to permit members to dispose of surplus coins. The usual doorprize drawing will be held.

The meeting will be held on Wednesday, November 19, 1969, at 7:30 P.M., in 168 Church.

Cougars Soar

Past Tech 52-14

by Richard Short

TECH Sports Writer

The Caltech football team fell prey to the Azusa Pacific Cougars on their field Saturday, losing by a score of 52 to 14.

The Beavers were in the game for better than one full quarter. Tech scored their first touchdown in the first period on a 17 yard return of a pass interception by Steve Bondow. Dennis Pocekay kicked the extra point. Caltech led by a score of 7-6 going into the second quarter.

The Cougars put 18 points on the scoreboard in the second stanza to take a commanding 24 to 7 half time lead.

Each team added one TD in the third quarter, but Azusa Pacific erupted for 20 additional points in the fourth period to win 52 to 14.

The Beavers' second score came on a two yard pass from Bob Bales to Paul Dresendorfer. Pocekay again booted the point after. The touchdown drive was highlighted by a 20 yard pass from Bales to Gary Storno.

Tech was hurt by five pass interceptions and massacred by long pass plays by the opposition. Three of the Cougars' touchdowns came on pass plays of 53, 55, and 59 yards.

The Beaver offense managed to gain 11 first downs, 87 yards on the ground and 93 yards via their passing game. Tech was slightly outdone by the Cougars, however. AP had 24 first downs, gained 253 yards rushing and 287 yards in the air.

This Saturday's game is here against Occidental, beginning at 1:30 p.m.



Yes, Alice, There Is A Soccer Team

by Jonathan V. Post

TECH Sports Writer

For the sake of those of you that don't know, Caltech has a soccer team. For those of you who know, but not much, it happens to be a quite good team, as college teams go.

Coached by Ron Kehoe, the team's talent is effectively employed on the field against the other varsity soccer teams in the conference: Claremont, Harvey Mudd, Occidental, Pomona, Redlands, and Whittier. Tech plays additional games against such opponents as Biola and the Open team, which is crammed with grad students and the like.

The Caltech Quarks, as the team is widely known, is now having the best season in recorded history. The record so far is five wins, three ties, and three losses, sufficient to place Tech at a position of being tied for third place with Pomona. Oddly enough, if you will look at the list of conference teams, you will discover that, with the sole exception of us, the ranking of the teams is identical to their alphabetical order. Alphabetically, Caltech is clearly first.

The team included Manager Jon Post and Assistant Manager Berto Kauffman, as well as Gerald Eisman, reputed to play well with balls,

superstar and captain Richard Burton, and Joe Templeton, probably the finest goalkeeper in the league. Other top scorers include John Rogers, Andrew Chow, Andrew Lo, Armondo Moreira, and Charles Young. The team star, Ralph Graham, has been out for most of the season due to injuries. In addition, a host of talented frosh lend credence to the possibility that the Quarks will remain a superior team.

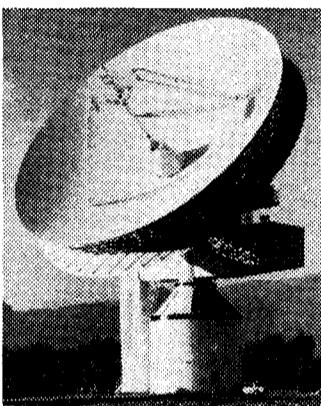
Soccer is a great game. For further details, simply talk to anyone who knows, or wait for further articles which may or may not appear in the *Tech*. Specifically, why not come down to the soccer field and watch? Of the three games remaining, all are home games. Remember: you'll see more points scored by Tech than at a football game!

Throop Beat

Continued from Page Two

men as before. It is apparently not thought that space will be any problem. The constraint of the Bridge Lecture Hall is mentioned as putting a ceiling on the class, but apparently such problems as undergraduate housing and chem labs are to be ignored. It is to be hoped that the faculty is not overtaxed by any increases made. . . . The house in which some of last year's SRA's stayed is being thought of in terms of a "Halfway House" to ease some of the crush on the seven Houses.

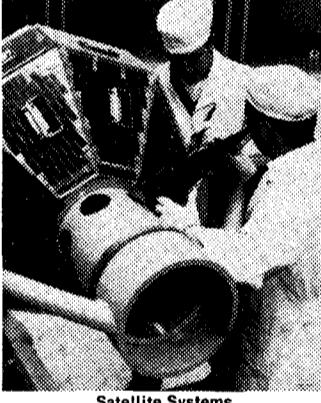
Someone seems to have a rather naive idea of what female admissions will mean. It is anticipated that the health and counselling services now available will be adequate, with the addition of one-half a counsellor. . . . Even better are the P. E. plans. Women will bump the visiting athletic teams out of the present visitor's locker room, and, for most P. E. sports, will join the current classes. Now aren't you sorry about that petition you all signed to abolish P. E. requirements? . . . As for the House rules under which the girls will work, it is anticipated that the girls will decide themselves on the rules structure, along with the R. A.'s and the Master. At the moment, of course, there exists no law forbidding the presence of men in women's rooms.



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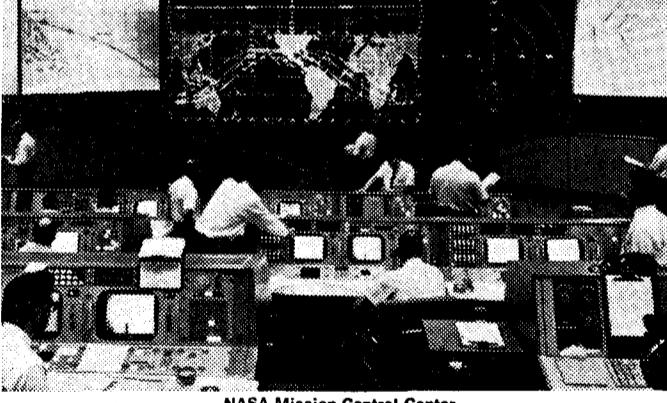
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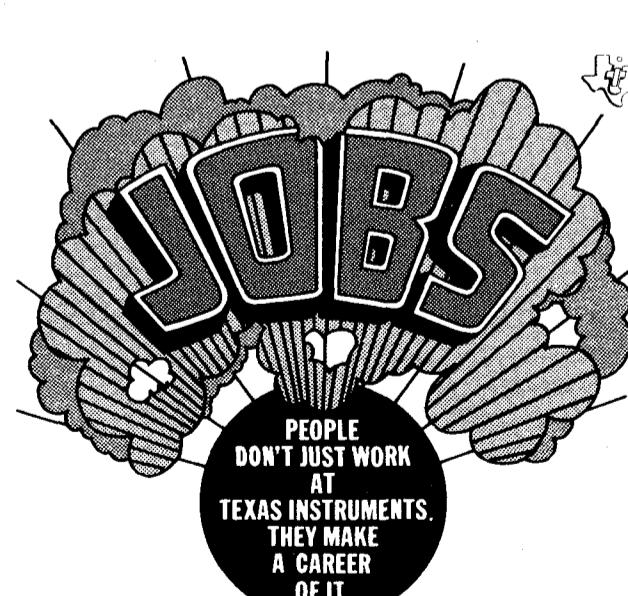
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Approx. 1 Feb. to 15 Aug. 1970; 3 blocks from campus, 2 floors; First floor: Living room, dining area, kitchen, 1/2 bath, small private patio off living room; Second floor: 2 bedrooms & bath, second bedroom furnished as study with conv. sofa-bed; large heated pool; fully air conditioned; will rent fully furnished; no children under 16 years,

ATHLETIC AWARDS

Measurements for awards for lettermen in fall sports will be taken on Wed., Nov. 19 at 7:30 PM in the Lloyd Conference Room. The policy is as it was last year:

- a) First varsity letter, the letter only.
- b) Second varsity letter in the same sport, a letter jacket.
- c) Third varsity letter in the same sport, choice of blazer or blanket.
- d) Fourth varsity letter in the same sport, opposite of c).

Please be there for measurements!

Also, the Fall Sports Awards Banquet will be held Fri. Dec. 5, 1969 at 6:30, in the Page House dining room. Please try to attend. Tickets (\$1.00) will be on sale soon.

no pets; married grad student or research fellow desired.

Date available and rent negotiable. Call day X1403, Eve: 681-6228.

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Wanted—campus representative for large tour operator specializing in student/faculty trips and charters, etc. Please phone (213) 272-8423 for details.

Housing**Continued from Page One**

stration, Eric Schriffen for Blacker House, and Paul Levin for Dabney House. Representatives for Fleming and Ricketts will be appointed later, Smith said.

The Users' Group will attempt to provide a forum in which the views and ideas of students, faculty, administrators, and professional architects can be considered before any action is taken. Hopefully, formal or informal committees in each house will be formed to discuss all aspects of the renovation, Smith said.

Also, Dr. Smith called "untrue" rumors that work on Blacker would start before the end of third term. With sufficient advance planning, Smith told the *Tech* interviewer, work could start the Monday after third term ends, and be completed before first term opens next year, thus giving over three months for the work to be completed.

Eventually, the entire South Complex will be completely renovated. The old houses contain building code deficiencies, especially with regard to plumbing and electrical wiring, since they have not been updated since they were built in 1931. The project will probably be spread over several years.

The first phase involves the alleys between Dabney and Blacker which will house the first contingent of girls. Obviously, plumbing fixtures will have to be altered. Also, the Resident Associate's suite in Blacker will have to be remodeled to accommodate a married couple. Smith indicated that he would like to see the Blacker R.A.'s suite located adjacent to the girls' alleys, placing it strategically between the girls' section and the rest of the house.

A separate lounge for the women is another distinct possibility, however, no specifics have been settled. One idea is to have it something like the social room in Lloyd. However, these and other questions must be settled by the Users' Group, and indeed, by all elements

of the Caltech community.

For the Future

After the first phase what? Dr. Smith could only speculate, and what follows represents only speculation. Your ideas are both welcomed and solicited.

Eventually, Smith envisions the women's section as being the entire upstairs area facing the Courtyard between Fleming and Ricketts, with the women equally distributed between all four of the old houses. About 50 or 60 women can be accommodated under this plan.

Also, due to the prospect of increased total enrollment, more housing than just the seven undergraduate houses will have to be found on campus. One prospect would be to convert an Institute-owned house into a "half-way house": not officially one of the seven student houses, but still under the Master's Office. Such a house might have between ten and twenty residents, perhaps in an experimental arrangement radically different from the present Student Houses.

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