

Instead of  
inviting Wallace  
to speak instead  
of Reagan,

# California Tech

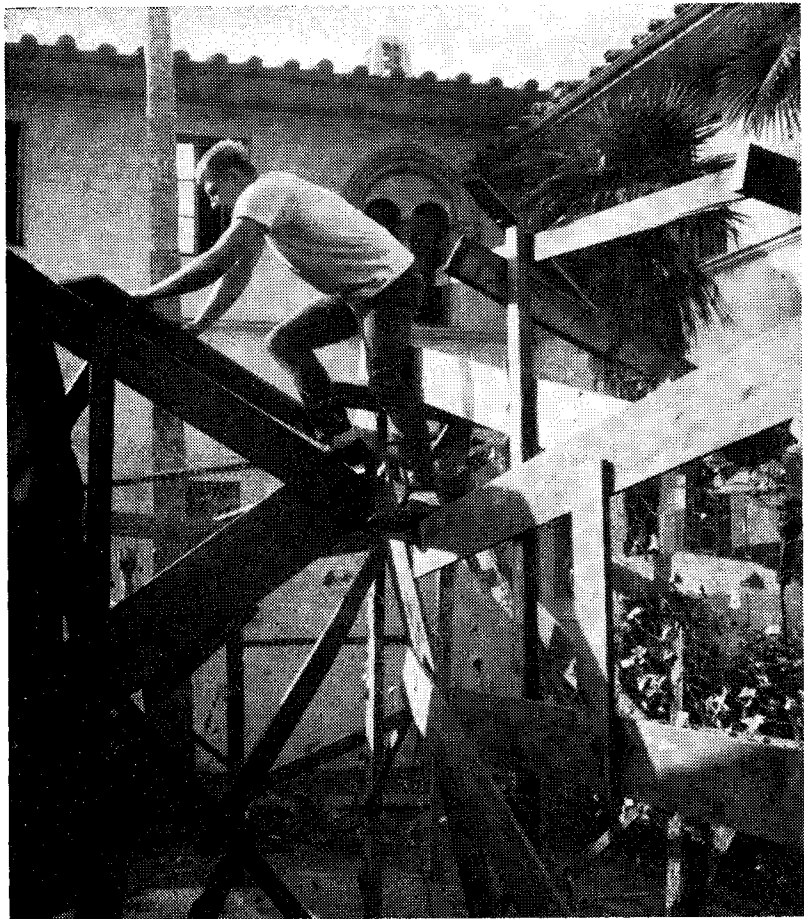
Associated Students of the California Institute of Technology

Why not recall  
the Old Ranger?

Volume LXIX.

Pasadena, California, Thursday, November 9, 1967

Number 8



—photo by Stein

Work goes on as the Houses echo with the cry, "Build Interhouse!" Many of the projects involve complex building projects as engineer of the future (above) learns the hard way.

## Houses Build For Interhouse Dance

Caves and castles seem to be the order for Inter-House this year. With IH little more than a week away, building is going into its final phase.

A time-machine will jar the traveler back through time to Ricketts' "age of dinosaurs." After meeting several dinosaurs and a volcano, the visitors can dance in a rain-forest setting.

Blacker's theme is "Snow White and the Seven Dwarfs," featuring a mine shaft through a "mountain." One will also find the Evil Queen's castle and the dwarfs' cottage in the lounge.

From the Tolkien Ring Trilogy comes Dabney's theme of "Middle Earth." Inside the Mines of Moria will be found a 1000-foot cavern with a lava flow at the bottom. It will also feature a Hobbit, Balrog, and Gandalf.

Fleming is also doing "Middle

Earth" and claims that theirs is the real one. There will be a large fountain at the entrance and a very large waterfall inside. Fleming is providing original entertainment with a play written by Stanley and Dowd.

"The Wizard of Id" will be Page's theme. Page is turning its lounge into a castle complete with throne, dungeon, and wine cellar.

Along with several light shows, Lloyd will be showing at least one movie in their lounge. If construction goes well, one of the light shows will be in an echo balloon.

Ruddock is housing their band in a cave while centering their theme around a "lost Indonesian temple." There will also be a "god whose eye follows those going past, a jungle, a flame room, and a sitar room."

## Reagan Featured at Fund Raising Dinner

A "Science for Mankind" banquet held at Los Angeles Ambassador Hotel last night set off Caltech's five year expansion program toward a goal of \$85.4 million. The event was held amid wails of protest concerning the principal speaker at the banquet, California's Governor Ronald Reagan.

At the time this paper went to press, many independent bodies were reputed to be organizing protest picket lines. Governor Reagan's stand on higher education, these groups reasoned, is a negative one, and therefore they concluded he is unsuitable as a guest speaker for the fund drive. The Caltech Young Republicans, however, planned a counter-demonstration in favor of the Governor's presence.

It was also found that Dr. Arnold O. Beckman, chairman of the Caltech Board of Trustees, has replied in writing to approximately 150 faculty members who signed a letter of protest sent him concerning Reagan (see *California Tech*, October 19, 1967). His reply, in essence, requested the signers to present specific accusations against Reagan and to show that these are sufficient grounds for not allowing Reagan to speak. Beckman was master of ceremonies at last night's function.

Dr. Simon Ramo, vice chairman of TRW Incorporated and a Caltech alumnus, will serve as National Chairman of the Campaign. Several other prominent members of the Board of Trustees will be Vice Chairmen. The appointments were made public in a news conference held in Millikan Library last Sunday.

The Institute is seeking \$20 million for the endowment of faculty salaries; \$30 million for new buildings and renovations; and \$35 million for the increased operating costs of its academic programs and physical plant. \$17 million of this amount has already been met in advance pledges.

According to Dr. L. A. DuBridge, President of the Institute, the following are the

buildings most needed for which it is hoped the Campaign will provide: a humanities and social sciences building, a geophysics and planetary sciences laboratory, a cyclotron building, an engineering laboratory, four residence halls for unmarried graduate students, a physical education building, and a business operations building.

The Campaign grew out of a three year study conducted by Caltech's faculty and trustees. Some of the more important policy decisions arrived at by this study are that the grad-

uate student body should increase at the rate of about five per cent a year; that the Institute should encourage programs that transgress standard lines of academic disciplines; and that the pursuit and mobilization of knowledge at the Institute be applied for the advancement of human welfare.

Concerning the theme of the campaign, "Science for Mankind," President DuBridge said, "Caltech wants to see science and technology brought more actively to bear on the problems and needs of the world's people."

## Student Houses- Too Much Noise?

The faculty committee on Undergraduate Student Houses is currently scrutinizing the enforcement (or lack thereof) of the House rules. Specifically, there is much concern about the noise level in the houses, although the status of the woman rule was also discussed.

Two weeks ago the committee quizzed the Resident Associates on what they thought about the situation in the Houses, and what they were doing about it. Dr. Floyd Humphrey, chairman of the committee, mentioned that everybody who leaves (the Houses) complains that they are too noisy. But the R.A.P.s felt that the Houses were, except on certain occasions, quiet enough. Jack Griffith, Resident Associate of Lloyd House, later said that the "Houses at best provide a mature or pleasant living situation" and that they "are not a study hall." He said they should be "quiet enough to go to sleep," and to study if a little noise is not minded. Also, that down campus there were many places to study.

Griffith also tried to account for the committee's view of the Houses. He said that almost all of its information about the noise level was based on one stroll by Dr. Dean through the Houses at

11 o'clock one night and from talks with students who are flunking out. The students flunking out naturally use the excuse that the houses are too noisy, said Griffith.

The committee also hinted that maybe the UCCs were not doing their jobs as well as they should. Dr. Humphrey proposed that maybe the UCCs should be abolished, and that complaints about noise and other violations be referred to the campus police. Humphrey admitted that such action would be a *nathema* around here, but also that the campus police are a common instrument of discipline at some colleges, such as Yale. The students there never want to have to spend their time disciplining other students. He also said "It's not clear to me that fundamentally our system is the best", and that it ought to be re-examined occasionally.

The total relationship between the committee and the Student Houses is also being inspected. Griffith wanted the committee fundamentally to be just a body "that the students can approach for such things as physically improving the houses and getting the faculty interested in house projects," rather than a ruling  
(Continued on page 8)

## Notices

### JAZZ LECTURE

A lecture on jazz trends will be held at 7:00 p.m. on November 15 in Herrick Lounge at Occidental College. The panel will include the West Coast Editor of *Down Beat* and the president of Pacific Jazz, among others. The lecture is free.

### POPULATION CONTROL

A seminar on population control will be held at 7:30 p.m. in Winnett Clubroom No. 1 on November 9. Dr. Alan Sweezy will act as expert consultant.

### MATH BUFFS

Next Tuesday, November 14, is your last chance to sign up for the Putnam Contest to be held on December 2. All undergraduates are eligible to enter; the sign-up list is on the second floor of Sloan. If you are not sure whether or not you want to participate, sign up anyway; you will still have the option of changing your mind.

### GO CLASS

A class in the game of go is to be held weekly on Fridays at 4 p.m. in the YMCA lounge.

### INTERESTED IN EUROPE?

Literature on overseas summer jobs and travel opportunities is available in the *Tech* office.

### MATH CLUB TONIGHT

The Caltech Math Club will meet in the lounge on the third floor of Sloan at 7:30 p.m. tonight to elect officers and to discuss the Putnam Exam. Anyone interested in joining the Math Club is invited.

### NO PARKING HERE PLEASE

sign was removed from the ROTC parking area about three weeks ago. The sign is of a heavy pedestal type with black lettering on a white disk at the top. It would be greatly appreciated if anyone knowing about it will call Major Larkin, X2391.

## Meetings Kick Off Research Project

The Coordinating Committee for the Undergraduate Research Project met last Sunday, November 4, and made a good start towards a successful project. The goals of the project and the purpose of the committee were discussed, and a timetable for the next year of the project was set up. No consensus could be reached as to the specific goals of the project, but the committee agreed that any goals of the program should be highly flexible. The committee members decided that the purpose of the committee was not to directly manage the project but to give it direction and a philosophy.

Marcia Hunt, of Pitzer College, provided a general policy statement for the project:

The Caltech Student Project is an experiment in redefining

the American "student" into a vital member of society. By attacking a problem of national scope through areas of social, technical, economic, and psychological study and application, the project will call attention to the problem of the student and to the problems of L.A. County as well as the actual problem of air pollution.

### Demanding Schedule

The timetable set up by the committee makes clear the need for speedy action over the next four weeks. Proposals, describing the reasons for the project and its structure and operations, are to be submitted to the faculty committee today. Initial studies must be completed and an initial grant obtained to really get the project moving. The technician program, which will

provide and train many of the lab workers, must be described in detail. Contact must be made with interest groups in the L.A. area. National releases must be made, the project must be given widespread publicity. In general, it will be necessary to create a "salable package." All this must be completed in four weeks, so that the Funding Committee can apply for grants from large foundations before the December deadline.

The committee hopes that concrete preparations can be made during the second term. The lab technician and research associate programs will begin during that period. The committee is planning a national conference including both public figures and students, as well as experts in various fields.

## Editorial

**"Science for Mankind"**

**"This is the moment in human history when for the first time man has gained the scientific knowledge to shape his destiny—and shap it well."**

With the above statement and its implied hope, Caltech officially opened its \$85 million dollar fund drive this past week. Last night Governor Ronald Reagan gave the keynote address at a dinner sponsored by the Board of Trustees to herald the drive. Over 850 dignitaries attended.

The goal of "Science for Mankind," the name of the Caltech drive, is indeed laudable. But is it attainable? We would like to believe that man can solve his problems, but history has not shown this to be the case. We are certainly living in an unparalleled age; now a conqueror can destroy the world if he so desires. But presuming that not many people in power have death wishes, belligerents tend to be more restrained than in the past. Yet even this has failed to stop war.

Forgetting wars, man has shown little ability to shorten the gap between the rich nations and poor nations. Science and technology, besides leaving most of the people of the world in the dust, have created numerous secondary problems of their own. Pollution is just one example of such problems.

As John Kenneth Galbraith has pointed out in **The New Industrial State**, a vast "technostructure" rules this country. Nobody is in control of this technostructure, but powerful individuals and groups have vested interests in seeing that it lives. We need only mention that General Motors and the petroleum industry would not be too happy if an efficient electric automobile were developed.

Much effort will be required to solve the problems of today's world. Though the fight to do this will be uphill all the way, it is commendable that Caltech, with other institutions, is preparing for battle.

—Les Fishbone

**Into the Incinerator****Much Amuch About Muck**

by Jim Cooper

Frosh Edward B. Barrelnmaker of the Mythological Institute of Theocracy slumped unhappily into the office of the school paper, the **Theoc Docket**.

"Chief?"

"Yes?" said the editor, looking up from his desk.

"That was a pretty dirty trick you pulled a couple of weeks ago," said Barrelnmaker.

"What do you mean?" asked the editor.

"I mean about all those faked stores you ran in the paper two weeks ago."

"Oh that! That wasn't a trick, Barrelnmaker. That was an experiment to prove that people will believe anything they read in a newspaper," explained the editor.

"Well, did you prove it?"

"Of course we did. The fact that we got almost no comment about the stories proved that most people actually believed us."

"But did you really prove it?"

"What do you mean by that, Barrelnmaker?"

"I mean that it is possible that the reason you didn't get a other than people actually believing what they read. For example, do you remember those preposterous statements you said were made by the Secretary of State?"

"Yes, I remember."

"Well, perhaps the simple fact is that he has been making so many preposterous statements lately that no one could tell the difference between your preposterous statements and his own preposterous statements. Also, take the other story about the fictitious student-poll you reported that supposedly 75% of the students answered."

"Yes, go on, Barrelnmaker."

"The reason why you probably didn't get any response in this case was the fact that students are too well aware that polls are inclined to be somewhat exaggerated, and that what may have been reported to be a 75 per-

cent sampling was in reality only a 25 percent sampling. So, the students just figured that they hadn't been polled. Anyway, though, shouldn't readers be able to believe what they read in newspapers?"

"No!" stated the editor resolutely. "No one should believe what they read, hear, or see in newspapers and magazines or on radio or television. If they really want to find out what happens from primary news sources."

"Just what are primary news sources?" asked Barrelnmaker.

"Why, they are the eye-witnesses. They are the people who actually saw something happen."

"But wouldn't it be inconvenient if we always had to actually talk to a person who saw something to get the facts?"

"I admit that that is true. So what can you do instead of talking to the always-reliable eye-witness, is to find someone who has a friend who knows someone who has talked to an eye-witness. It's usually pretty easy to find one. Although I'll also admit that this method is not as good as talking directly to an eye-witness, it still is more reliable than by depending on a professional journalist. Isn't that true, Barrelnmaker?"

"Ahem. Yes sir," coughed Barrelnmaker.

"By the way, Barrelnmaker, what happened to your column last week?"

"There were several little things called mid-terms, chief"

"Yes, I understand."

"Chief?"

"Yes, Barrelnmaker?"

"I just thought of two more reasons to explain why you could have gotten so little response last week."

"What are they, Barrelnmaker?"

"Either it could be that no one reads the paper in the first place, or that no one takes it seriously anyway."

"Hmmm," said the editor. "I never thought of that."

## Letters

**Pot Watchers****Awake!**

Editors:

Since the use of drugs at Caltech has ben a topic of semi-open discussion for almost a year now, it might be a good idea to evaluate what has happened to the undergraduate body in that time. I think for conclusion is inescapable that the usage of drugs by Caltech students has in general been harmful and done in some cases irreparable damage. Instead of a mature approach to the problem our students have turned to marijuana and LSD as an escape from academic pressures and have often warped their personal lives beyond recognition.

I'm not against taking drugs in moderation just as I'm not opposed to drinking alcohol or smoking cigarettes in moderation. But when usage becomes so frequent as to curtail productive and creative effort by a person, when a Caltech student drops acid every weekend and smokes pot every night, when a man has become a vegetable, **then the effects are harmful.**

Just this year I can count about half a dozen drug dropouts — if they haven't dropped out they plan to transfer to some easy school to have more time to waste. Smoking pot has become popular to an unprecedented degree, not bad in itself, **but now it is a fad, a fashion, a kick.** Students with great creative potential are being wasted for no good reason.

The only solution to this excess, sirs, is for us Caltech students to stop getting stoned so often. It is a waste of human resources when half a dozen out of sixty people start jabbering about the vibrations pervading the mental cosmos — and it is our fault. Let's be more restrained, more responsible, more realistic about drugs henceforth.

Michael Meo

As last years' **TECH** Editor, Mr. Meo himself initiated public response to the campus drug question with a series of articles. He is still combatting the forces of evil on our campus with commendable vigor. —Eds.

**California Tech**

Published weekly during the school year except during holidays and exams by the Associated Students of the California Institute of Technology. The opinions contained herein are solely those of the newspaper staff.

**Editors:** Kirk Benson and Les Fishbone, Editors-in-chief; Jeff Hecht, City; Mike Henerey, Features; Bruce Penrose, Managing; Vincent Johns, Copy; Charles Creasy, Sports.

**Staff:** Dave Lewin, Roger Goodman, Henry DeWitt, Tom Carlson, John Waugh, Jim Cooper, Mike Farber, Eric Schiff, Tom Carroll, Cameron Schlehuber, Alan Stein, Steve Johnson.

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California Tech, Publication Offices: 1201 E. California Blvd., Pasadena, California, 91109. Second-class postage paid at Pasadena, California. Represented nationally by National Educational Advertising Services, Inc. Subscriptions: \$1.50 per term, \$4.00 per year. Life subscription: \$100.00. Printed by Bickley Printing Co., 25 South Fair Oaks Ave., Pasadena, Calif. Volume LXIX, Number 8, Thursday, November 9, 1967.

**Universal Service Proposed**

by Walter Grant  
Collegiate Press Service

WASHINGTON (CPS) — A small-scale "national service" program could be initiated within the next few years, if support comes from the right quarters.

Such a program would give young people the opportunity to serve their country in non-military endeavors and would meet educational and manpower needs. Interested young people would be matched with service opportunities consistent with both the needs of the nation and with their own education and skills.

The concept of universal national service has been widely discussed in recent years. But although the idea has been supported by Secretary of Defense Robert McNamara, it has never received wide-spread support, primarily because of the conflict with the draft.

But now, a non-profit organization called the National Service Secretariat is seeking support for a national service program which would be as far removed from the Selective Service System as possible. The secretariat is supported by private funds, not by the government.

Donald Eberly, executive director of the secretariat, said his organization is attempting to set up a network of service opportunities which would work somewhat like a computer dating system. For instance, young persons interested in working for about two years in some service agency would feed information about themselves into a computer. The computer, in turn would match each individual

with the service activity best suited for him.

Eberly sees the program supplying young people to work in such fields as education, health, conservation, community service, and overseas assistance.

Existing agencies, such as the Peace Corps, the Job Corps, VISTA, and the Red Cross may participate in the program and receive volunteers. But the scope of the program would be almost unlimited, Eberly said. "Opportunities would be open for someone to work in a hospital in New York or to teach in Appalachia, for example."

Eberly will be sending out a proposal explaining the program and seeking support within the near future. The proposal, which came out of a conference on national service last spring, will be sent to both government and private agencies.

If service agencies are anxious to cooperate, and if enough financial support is received from private foundations and industry, the program possibly could start on a small-scale in a few years.

But Eberly thinks an effective national service program — one that would pay subsistence costs of service activities for all young people — will have to be under-written by the government because of high costs (\$4-5,000 per volunteer). And it is unlikely that the government will support the program fully as long as the Vietnam war continues.

"It will probably be a decade or two, perhaps by 1980, before we have a universal program,"

(Continued on page 3)

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Letters

# Credibility Gap a Problem

**Editors:**  
I fail to see the reasoning behind the deliberate printing of false stories in the Oct. 26 issue of the Tech. If the purpose of doing this was to prove to people that they cannot believe everything they read in a newspaper, then I think that the editors have gone to extremes to make a point.

When I read a newspaper story stating facts and quoting people, I expect such statements to be accurate, based on investigation by the reporter. The reporter has taken the time to investigate, through channels that he has free and easy access to. Other people do not have this access, and thus must rely on the reporter's investigation. Admittedly the facts are probably colored by the personal biases of the reporter, but this does not mean that the facts are untrue.

One is not going to get the complete facts from a single publication, but then again from where else is one going to get facts about on-campus happenings without going to the original news source.

Mr. Fishbone wanted to provoke people into investigating primary news sources. I consider a newspaper a primary source. If further information is wanted or needed, then more original sources can be looked into. In the case in point, few people would know that the stories were falsified, and fewer would require more information than was presented in the articles. Interest is the only motivating force for further research, and I don't think this stunt has promoted any interest.

Jon R. Haviland

A newspaper is not a primary

source; indeed, the only way to be a primary observer is to use one's own eyes and ears. Nobody can witness everything, but he should be very acutely aware that news often goes through numerous bureaucratic agencies before reaching the pages of a paper.

Ideally, one can rely on everything he reads; practically this is not so. At the risk of losing some of the credibility we normally try to maintain, we have attempted to show the consequences of non critical reading.

—Eds.

# Service Act Possible

(Continued from page 2)

Eberly said. "The program would be universal in the sense of providing service opportunities for all young people, men and women, regardless of their financial status or educational background," Eberly said. He explains that, traditionally, volunteer service agencies have attracted only middle-and upper-class people because they are the only ones who can afford it.

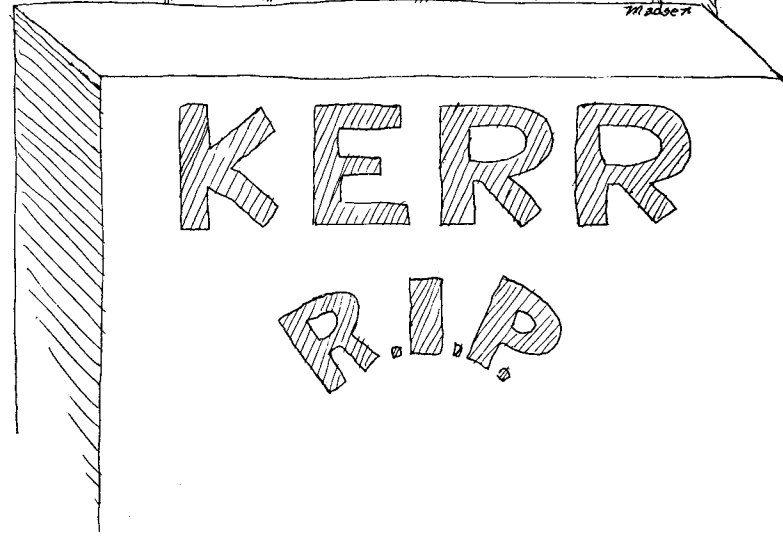
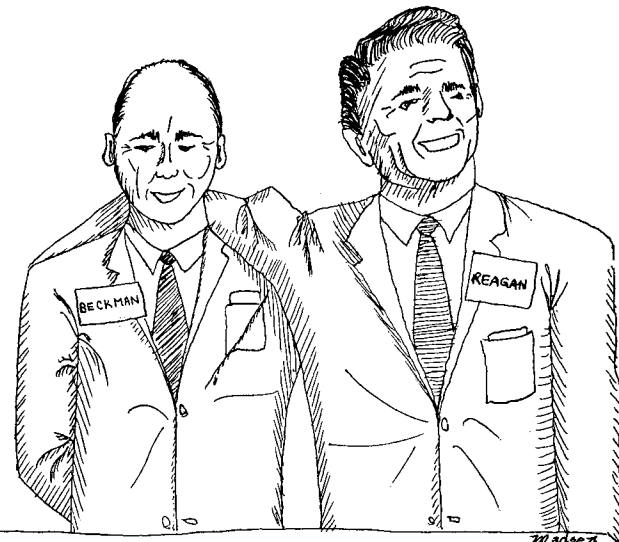
"A 20-year-old who had to support his family would be given a family allowance to send back home," Eberly said. "This way everyone would have the same opportunity."

Although the secretariat wants to disassociate the program with the draft, Eberly admits this is almost impossible. "As long as the draft exists, it will affect the number of people interested in the program," he said.

After the program gets off the ground, Eberly would like to see legislation passed which would defer volunteers while they are in the non-military service. Their deferments would end after they completed their service, but "they should be given recognition for what they have done," Eberly said.

He proposes that draft boards place former national service volunteers later in the order of call, so that in effect, they would only be drafted in an emergency.

Eberly does not think young people would use the program as an escape from the draft, however. "In the first place, the



Letters

# Beautify, Modernize, Area

**Editors:**

The aspirations of the undergraduate body to serve the community in some larger and more lasting way seem entirely laudable; however they would be a lamentable parody if the projects selected were of such a grandiose or complex nature as to preclude any significant student contribution in the existing and knowledge. World Food Resources or Smog are examples

of this. While one is aware that much time and thought has gone into the selection of a suitable topic, that the debate has been extensive and heated, and that the die has already been cast, one would like (in the true academic spirit of espousing lost causes) to make a few comments on what seem eminently attainable and reasonable projects for the student body.

period of commitment in the national service program could extend over a longer period of time than in the military service, perhaps two and a half years or three years." And volunteers would still stand the chance of being drafted, he said.

In addition to recognition by the Selective Service system, the secretariat is recommending that volunteers be given academic and financial recognition for their service, to be applied against their further education.

Two suggestions are made. Both of them involve many different sorts of knowledge and thus fall into the currently fashionable framework described (with painful pedantry) as 'interdisciplinary'; for which the author would like to substitute the less pretentious but equally hip description of 'mixed bag'. (A salutary experiment in this vein is closely to examine a Mixed Bag of Nuts. It will be found that while each nut is definitely different, they are all of strikingly lower quality than those offered as a single variety.) The first proposal is connected principally with the Life/Earth Sciences, the other with the Math/Engineering side. However both contain strong common technological elements, as well as a major sociological-political-economic strain.

**Riviera Arroyo**

Running North-South through Pasadena is a pleasant declivity known as the Arroyo Seco. This draw, about 2 miles long, is profusely wooded and contains many public amenities; Brookside Golf Course, the Devil's Gate Reservoir, the Rose Bowl (a football stadium), parks, an archery range and a casting pool. In its pleasant groves the citizens of Pasadena pursue their various interests of waking, equestrianism, picnicking, mugging, touch football, and molesting. It is spanned by various bridges which add considerably to the euphoric urban ambience.

Dominating the Arroyo is a singularly painful illustration of (Continued on page 5)

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## Y.R. Minority Assumes Dove Stand on Vietnam

by Brad Holian  
**The Vietnamese War: Minority Opinion of the Caltech Young Republicans**

The American people have a tradition of distaste for war. We tend to avoid conflicts which call for less than total commitments. Americans prefer to get in and win the war or else get out, rather than get involved in a stagnating, prolonged war that drains us of men and money. We prefer to carry on with our own personal pursuits and problems, rather than accept the Machiavellian attitude of the eternal necessity and usefulness of war as an instrument of national expression. In view of the utter misery that wars cause and the universal human desire for peace and freedom, the American isolationist attitude toward involvement in wars is far healthier than the militaristic view of war as the natural tool of diplomacy. The attitude (apparently held by a few people now in power in this country) that war is man's inevitable, natural condition, is repulsive to most Americans. Moreover, the American people are concerned with the very real credibility gap between the Johnson Administration's pronouncements on the war and reports from other sources, including the American press. Americans who are opposed to this country's conduct of the war (they appear to be in the majority at present) feel the seemingly hopeless frustration of the institutionalization of war in this country. That is to say, the American people, and even Congress, have little to say about the war or the draft until 1968, primarily because of the concentration and perpetuation of power in the executive branch of the federal government. For these reasons, we see today a growing discontent and discomfort concerning America's role in the Vietnam War.

We are faced with the following facts concerning this distasteful war: 1) It is primarily a guerrilla war, based on a nationalistic revolutionary movement against Western domination in that area. As a guerrilla movement, the Vietnamese war involves a significant portion of the South Vietnamese population, and the movement can be quelled only by completely destroying that elusive segment of the people, that is, the Vietcong, or by destroying all means of external support first — in other words, by invading and occupying North Vietnam, thereby inviting direct confrontation with the Soviet Union and Red China. 2) The South Vietnamese people are no longer carrying the burden of their own freedom; America is doing most of the fighting, as reflected in the casualty lists; and America is doing most of the so-called pacification, as reflected in the economic support of South Vietnam. Neither Red China nor Russia are involved in manpower commitments in North Vietnam to the overwhelming extent that we are in South Vietnam. Only in economic aid do they begin to approach our involvement. 3) The war will ultimately have a solution of a Vietnamese nature, rather than one imposed from outside. The nature of the political situation in Southeast Asia will not yield to the will of the must yield to the will of the Viet-

Johnson Administration, but it nameless people — we cannot impress the Vietnamese with our concept of their freedom. We continue to fly in the face of this fact if we continue to make the Vietnamese War an American war. We also continue to waste the lives of American soldiers, to waste American money, and to waste the energies of our nation that could be used to solve the problems that still plague us at home. We have far more to fear from internal disintegration than from the alleged "Communist conspiracy" in Southeast Asia.

In view of these facts, we of the minority opinion of the Caltech Young Republicans hereby declare our desire for a gradual withdrawal of American military forces and concurrent re-assumption of responsibility by the South Vietnamese in their own struggle for freedom. We also believe that such a move would aid efforts toward negotiations between the two Vietnams and lead quickly to a longer-lasting peace. America could then return to its own problems and legitimate domestic concerns.

## YR's State Majority Policy

by Kermit Kubitz  
**Vietnam: The Majority Report of the Caltech Young Republicans**

It would be delusion to insist that the war in the two Vietnams is the result of clear-cut aggression by one sovereign government against another, a war which can be ended by military annihilation of the opposition, either by pitched battle in the South or by slow strangulation from the North. It is equally untenable to suggest that the United States has intervened in a purely civil conflict, and that realization of this fact should cause us to immediately initiate unilateral reduction of our commitment to the puppet government of South Vietnam and our dangerous escalation of measures directed against North Vietnam.

It might be argued that however we got into Vietnam, we must now continue on the course to which we are committed. But it may be worthwhile to note that 900,000 Vietnamese left the North during the period after the Geneva Accord of 1954. It is their right, and the right of others of similar persuasion in the South, to form a type of government different from that which they have shown they dislike. It is that right which we are defend-

ing. It is not the Viet Cong who seek to carve a new nation, free of external domination. It is not the North Vietnamese who have the moral justification for breaking old lines or laws given by Abraham Lincoln, who said, "And people anywhere being inclined and having the power have the right to rise up and shake off the existing government, and form a new one that suits them better." It is the people of the South who are attempting to do this.

The truth in Vietnam is that there is both aggression from the North and civil conflict in the South, both strong anti-Communist feeling and a weary lack of affection for much of the present anti-Communist leadership, both

nationalism and Communism motivating Vietnamese from both sides of the 17th parallel. The United States presence is the result of deliberate, judicial decisions made over the course of years with careful consideration of the consequences for Vietnam, the rest of Asia, and the United States. Certainly, the results of some of the early decisions could not have been foreseen, anymore than we can see clearly the results of the basic choices that face us today. We must, however, as in the past, choose the best of what may be unattractive choices.

It is clear that without the United States intervention in South Vietnam, Asia today would

(Continued on page 8)

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## Go Bus, and Leave the Driving to Us

(Continued from page 3)  
the art of the city civil engineer — a rectangular concrete chasm about 10 by 30 feet in cross-section, rimmed about by a chain link fence and containing a turbid shallow stream punctuated by occasional automobile tires. How greatly this would add to the whole valley if it were converted into a pleasant urban river with stream life, banks, a towpath and possibly a riparian restaurant!

This conversion would call for damming the channel at some point, with suitable arrangements for the occasional winter floods. Possibly this could be done by dividing the channel laterally and covering over one half with a boardwalk towpath to provide a covered closed flood control duct. The permanently flowing part would then be stocked with a sandy bottom, fish, fowl and what ever riparian foliage is necessary to create a viable ecology.

This project would interest meteorologists, geologists and statisticians, in predicting how to design a system to handle the vagaries of the Pasadena rainfall

and water tables. Then the civil engineers would enter at the design level, while the bio-scientists would concern themselves with the life side of the project. Obviously a strong aesthetic supervision would have to be maintained throughout.

### Quiktransit Pasadena

The fact that Pasadena has no effective intraurban transportation has long been a political football. Yet with its relatively compact community, central business district and rectangular grid of gracious boulevards it would seem to be ideal for a modern minibus system. A study of this would involve all the usual arenas of public demand, entrenched interest and conservative small town politics. It seems that radical improvements in scheduling, routing and operation might make a modern system economically feasible. For example, advanced applications of queing theory and optimal routing might make it possible to give a rather wide area coverage with a low expected waiting time at any stop. Computer directed buses are another interesting prospect — typically the

vehicle follows a zig-zag route into the city center but bypasses each zig if no one on that loop has pressed a call button at the bus-stop. Here is a wealth of interest in system analysis, programming control and communication; obviously we must get away from the rigid space-time fixed schedule, and develop some dynamic adaptive scheduling. A further class of fascinating economic and labor problems occur in the financing and costing of such a system. Engineering occurs in the design of the vehicle which must satisfy critical requirements of maintenance and flexibility but at very modest road speeds. Could one design self-powered units which would be used individually on certain runs but coupled (thus eliminating a driver or two) for peak times and routes? Clearly we can't consider a design from the wheels up but would have to adapt available chassis and engine units. The styling of the vehicle would be an interesting study in industrial design — it must have sufficient elan to make bussing psychologically acceptable, with multiple exits for rapid loading and disembarking and possibly convertible tops for the summer months.

The pair of ideas given above are in the nature of 2 year projects — they are possible, they do not involve any major technical breakthroughs but do call for radical rethinking of old preconceptions. The science is well within the reach of our undergrads; the new ideas appear to be beyond the ken of our politicians. That is why they seem particularly suitable to our purposes.

As far as support goes both have the Great Society Charisma which would attract the interest an financial aid of Federal Agencies (especially Housing and Urban Development) as well as the progressive and flexible Aerospace Industry of the L. A. Basin, which is always anxious to diversify.

These are finite projects which can be done, but to be worth it they should be done with excellence; and thus should fit right into the Caltech mystique.

Peter Lissaman

# The facts of life.

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	CHASSIS and BODY	GENERAL
	Suspension.....Heavy-duty. Includes heavy-duty springs and shocks, front and rear stabilizers. Dual exhausts. Steering ratio.....24-to-1 Wheels.....Heavy-duty 14-inch with extra-wide rims Tires.....F70x14", Nylon-Cord Wide-Oval Red-Lines	Wheelbase.....112" Overall length.....201.6" Overall width.....76.2" Overall height.....52.8" Curb wt. (lb.) Holiday Coupe.....3628 Fuel capacity (gal.).....20 Headroom (Holiday Coupe).....front 37.6" rear 36.3" Legroom (Holiday Coupe).....front 42.7" rear 32.7" Hiproom (Holiday Coupe).....front 59.5" rear 53.0" Tread.....front 59.0", rear 59.0"
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## Organ Now Operative In Winnett

After several months of inactivity, the electronic organ is now installed and operative in Winnett Lounge. The instrument, a Baldwin Model 10, was donated by a wealthy benefactor after having been in his home for several years.

The setup includes a set of earphones, which may be used in place of the regular speaker system when other activities are in progress in the vicinity. In addition, an electric chime set may be operated from the lower keyboard if desired.

Present plans foresee a key system, similar to the gameroom key system, whereby keyholders may open the organ whenever the ydesire. Everyone wishing a key should see Louise Hood. The earphones are presently available only during the day when the Winnett Office is open; however, the instrument itself is now open all day.

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# TECH Sports

## CIT Football Team Seeks First Victory

## Drop Two More Tech Tankmen

by Creasy

Don't give up now; California Boulevard may burn yet! The football Beavers of the California Institute of Technology are on the move. In their last two ball games, head coach Bert LaBrucherie's never-say-die Beavers have put on their finest display of ability this season. Although they lost both the said contests (as well as the four others they've played this year), the Engineers seem to have come to life.

Saturday's game at Riverside ended in a 28-14 victory for the Highlanders. But in that game the Beavers proved to themselves as well as to the Highlanders that they should not be taken for granted as they so often have been in the past.

Trailing 21-0 late in the first half, Caltech battled its way down to the Riverside nine yard line only to be stopped on downs as the half ended. Had the Teckers been able to push the pigskin in for the score at that point, the game may have been much more exciting in the second half.

As it was the second half was exciting enough. Caltech actually managed to outscore the Highlanders 14-7. The first CIT scoring drive was as thrilling as any in college football, as the Beaver offensive line banged open gaps through which fullback Ray Kawal, halfback Barry Fitzgerald and quarterback Tom Burton ran like they'd stolen something!

The drive culminated when Burton sprinted over from eleven yards out. The second drive followed the same pattern with the backs grinding out yardage on the ground. Again Burton scored the TD on a two-yard sneak. Burton converted on both PAT's to score all of Caltech's fourteen

points.

The coaches were so impressed by the performance of the offense that the entire offensive team (excluding flanker Charles Creasy) shared the Offensive Player of the Week honor.

But the defense's performance gave the Beavers the most cause for encouragement. After a shaky first half, the Tech defenders really held their ground, allowing UC Riverside a lone tally in the second half. Up front the big men were John Frazzini and Dick Harley at the ends, C. Alan Beagle and Dennis Pocekay at tackles, and David Dixon at middle guard.

Dick Thornberry and Gary Adamson stood out at their linebacking posts. (Thornberry was Defensive Lineman of the Week.) The deep secondary had Mike Girard and Creasy at the cornerback spots and Lonnie Martin and Tom Bicknell at the safeties. Girard took the Defensive Back of the Week honors.

If the offense continues to click and the defense gels, the Beavers could cause a considerable stir in their last two outings of the 1967 season. Both remaining games are home contests. Tech hosts the Loyola (L.A.) Lions tomorrow night at 8:00 p.m. in the Rose Bowl. The Lions this season are fielding their first football team in nineteen years. Then a week from tomorrow, the Claremont-Harvey Mudd Stags visit the Beavers for their annual grudge match in an afternoon game at the Caltech Athletic Field.

Caltech's water polo team met defeat twice more this past week before breaking the losing streak against Tech's own grads and frosh. The later game was no pushover, however, being won 13 to 12 in sudden-death overtime.

In more serious games this past week the tankmen lost 7 to 3 to CHM and 12 to 7 to Oxy. The Oxy game continued the series of bad refs the Tech men have run into and have not been able to cope with.

Against CHM the team still could not score consistently although they did succeed in containing the CHM offense through most of the game.

Saturday Caltech hosts Rio Hondo JC and Wednesday they travel to Redlands for a rematch of what could easily have been a Tech victory.

## Discobolus

Dabney House finally fell in Discobolus competition. Page downed the Darbs in two straight volleyball games, 15-12 and 15-6.

Lloyd House, being next in the proverbial rotation, has challenged Page in football, handball, and softball. Page has accepted in softball and the game will be played this Sunday.

In point standings Dabney still leads the pack with thirteen points; Page is second with three. Fleming, Blacker, Ricketts, and Ruddock are all grouped in third with one point each; Lloyd, not having played a match yet, has no points.

## Coach Preisler Shows Optimism

"We're going to do better this year; we're hoping to win twice as many games," declared coach Ed Preisler as his Caltech Beavers basketball squad mustered to begin hard practice.

"Our team captain this year will be Terry Bruns, who was voted onto the honorable mention squad of the all-coast team last season. He was also elected for the District 3 honorable mention team," Preisler said.

Looking ahead to the Southern California Intercollegiate Athletic Association season, Preisler said he expects last year's champion — Claremont-Harvey Mudd — to have a strong team, but looks for Whittier College to have the best one.

Assessing the new Caltech squad, Preisler said that "Bruns should have a good season. He was our leading scorer last year, with an average of more than 17 points per game. Jim Stanley's normally a guard, but like last year, I may have to use him at forward."

The basketball season opens December 1 for Caltech with a game against Southern California College at La Mirada. Preisler said his squad will play ten league games and 13 non-league contests this season. The last game of the season is February 21 at Whittier.

## Defeat Beavers Bulldogs, Poets

Crossless and Meoless and Masonless cross country at Tech is undergoing a year of growth. Saturday, October 28, the runners were almost shut out by Redlands home course. The score, 15-48, reflects Tardiff's fine effort in placing ahead of two of the Redlands top seven. Ledford and Smith followed, finishing at commendable ninth and eleventh places against the second strongest team in the league. Stoecker and Hermeyer managed to finish the race, somehow. The defeat was a sound one, comparable to last year's dual meet with Redlands, when Mason and Cross placed ahead of only two of the Redlands top seven.

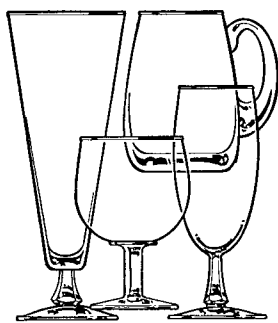
Last Friday the Beaver runners lost another dual meet against Whittier on the Whittier home course, scoring 38 points to Whittier's 19 points. (High score loses.) The contest saw Tardiff finish fifth in 18:43, with Ledford, Smith, and Schneringer finishing very close together, in the low 19-minute range, taking places 6-8. Stoecker rooted out Thompson in a torrid finish for twelfth place. The times were quite slow, considering the 3.16-mile course. There is hope that our distance men will improve before the Biola Invitational this Saturday and the SCIAC championships on Nov. 18. Support your team! You will have a chance to see some excellent runners, including Oxy frosh Deines, who has set some course records.

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by Fishbone

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With these ideas in mind, Murray Shisgal's two mundane characters in the one-act comedy, "The Typists," effectively criticized the banality of the J. Alfred Prufrock type of life.

The satire, accompanied by another Shisgal comedy, "The Tiger," was performed by the Players Production Co., Inc., at Beckman Auditorium Saturday evening. This company has been chartered by the state of California to bring high quality theater to colleges, high schools, and communities. In this effort it has succeeded.

The two typists in the comedy, played by Mary Carver and Stuart Margolin, portrayed a situa-

tion that could occur in any two-bit office of any two-bit firm in New York City. Paul (Margolin), an alcoholic, has just been hired and shows up late on his first day. Sylvia, his office-mate, is no less of a failure than Paul, especially regarding marriage.

During the course of the show, one working day, the two, doomed to a job of no consequence, one that could be done far more easily by a machine, get very little work done. They spend their time alternately consoling and deriding each other. At times the mood approaches that of a group therapy session.

Their lives are controlled by a boss we never see. At times the boss is an angel, and at times he is a devil, yet his influence is always there; it is as if God is running a puppet show. Indeed, who is to say He is not?

# Student Rights Enumerated

This is the conclusion of the **Student Bill of Rights**, drafted by the **American Association of University Professors and several other education oriented groups.** The first installment was printed in last week's issue.—Eds.

**A. Standards of Conduct Expected of Students.** The institution has an obligation to clarify those standards of behavior which it considers essential to its educational mission and its community life. These general behavioral expectations and the resultant specific regulations should represent a reasonable regulation of student conduct but the student should be as free as possible from imposed limitations that have no direct relevance to his education. Offenses should be as clearly defined as possible and interpreted in a manner consistent with the aforementioned principles of relevancy and reasonableness. Disciplinary proceedings should be instituted only for violations of standards of conduct formulated with significant student participation and published in advance through such means as a student handbook or a generally available body of institutional regulations.

**B. Investigation of Student Conduct.**

1. Except under extreme emergency circumstances, premises sonal possessions of students should not be searched unless appropriate authorization has been obtained. For premises such as residence halls controlled by the institution, an appropriate and responsible authority should be designated to whom application should be made before a search is conducted. The application should specify the reasons for the search and the objects or information sought. The student should be present, if possible, during the search. For premises not controlled by the institution, the ordinary requirements for lawful search should be followed.

2. Students detected or arrested in the course of serious violations of institutional regulations, or infractions of ordinary law, should be informed of their rights. No form of harassment should be used by institutional representatives to coerce admissions of guilt or information about conduct of other suspected persons.

**C. Status of Student Pending Final Action.** Pending action on

the charges, the status of a student should not be altered, or his right to be present on the campus and to attend classes suspended, except for reasons relating to his physical or emotional safety and well-being, or for reasons relating to the safety and well-being of students, faculty, or university property.

**D. Hearing Committee Procedures.** When the misconduct may result in serious penalties and if the student questions the fairness of disciplinary action taken against him, he should be granted, on request, the privilege of a hearing before a regularly constituted hearing committee. The following suggested hearing committee procedures satisfy the requirements of procedural due process in situations requiring a high degree of formality:

1. The hearing committee should include faculty members or students, or, if regularly included or requested by the accused, both faculty and student members. No member of the hearing committee who is otherwise interested in the jarticular case should sit in judgment during the proceedings.

2. The student should be informed, in writing, of the reasons for the proposed disciplinary action with sufficient particularity, and in sufficient time, to insure opportunity to prepare for the hearing.

3. The student appearing before the hearing committee should have the right to be assisted in his defense by an adviser of his choice.

4. The burden of proof should rest upon the officials bringing the charge.

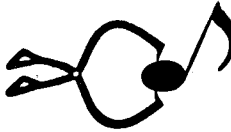
5. The student should be given an opportunity to testify and to present evidence and witnesses. He should have an opportunity to hear and question adverse witnesses. In no case should the committee consider statements against him unless he has been advised of their content and of the names of those who made them, and unless he has been given an opportunity to rebut unfavorable inferences which might otherwise be drawn.

6. All matters upon which the decision may be based must be introduced into evidence at the proceeding before the hearing committee. The decision should be based solely upon such matter. Improperly acquired evidence should not be admitted.

7. In the absence of a transcript, there should be both a digest and a verbatim record, such as a tape recording, of the hearing.

8. The decision of the hearing committee should be final, subject only to the student's right of appeal to the President or ultimately to the governing board of the institution.

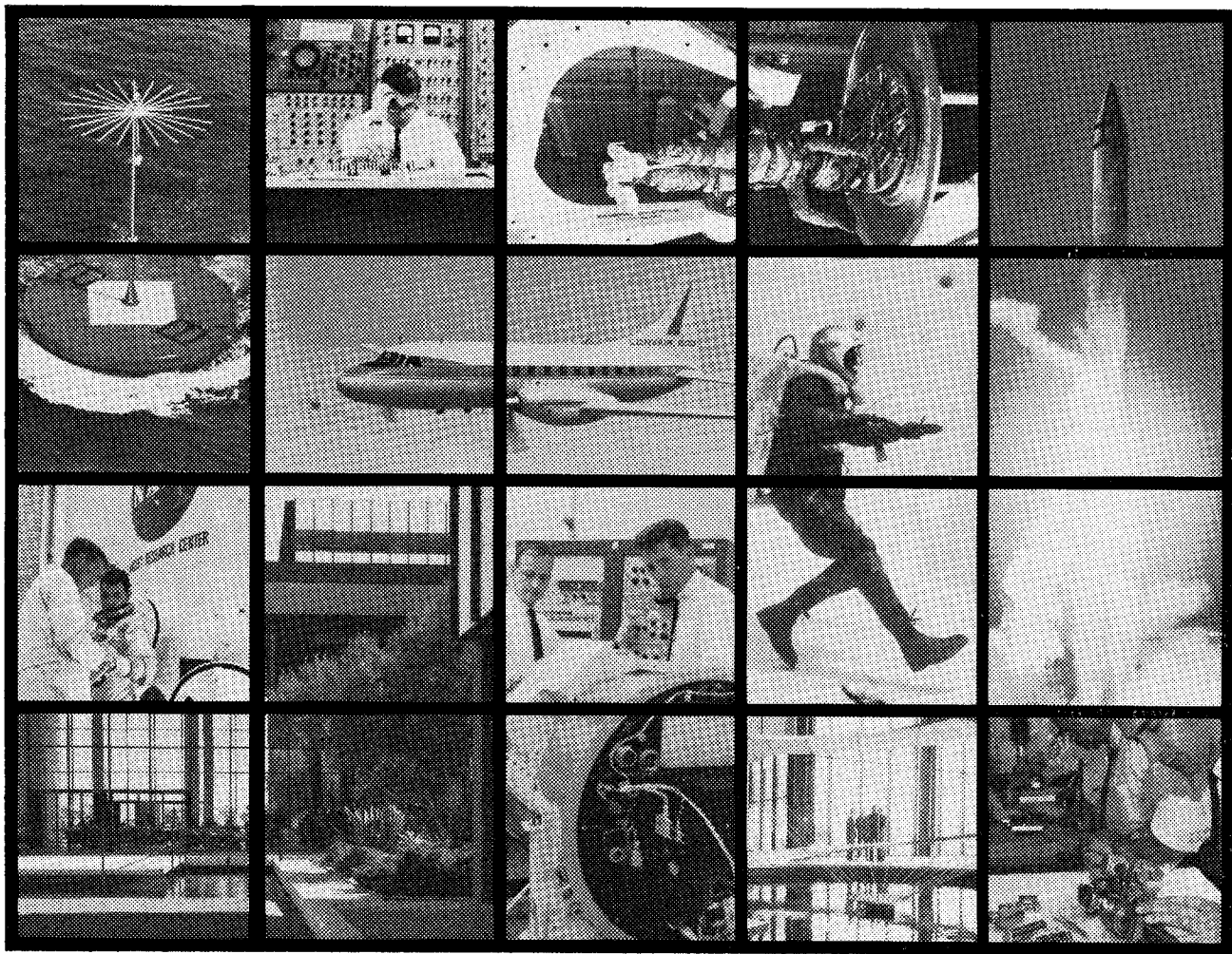
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## Dixieland Jazz Greats To Play Beckman Concert

by John Bennett

This Sunday, November 12, at 3:00, the YMCA is presenting one of the most exciting and ambitious events in the history of Beckman Auditorium. This will be a free concert with 25 of the greatest performers of Dixieland Jazz. These men, some of them in their eighties but still playing with the exuberance of men half their age, are a unique collection of the fathers of Dixieland — men who have played with Ellington, Basie, and Armstrong, Kid Ory and George Lewis — men who have devoted their lives to the development of

a singularly American, musical expression.

In tribute to these men, Gordon Mitchell — emcee and president of the "Southern California Hot Jazz Society" — has arranged the show to be a sparkling, free-wheeling musical history of styles as "Creole," "Thad," and "Rag"; moreover, there will be a discussion of the early publishing business of the turn of the century, and renditions of obscure and early-arranged jazz presented in its historical style. There will even be a traditional New Orleans street marching band playing the distinctive Dixieland marching music.

The concert will have been widely publicized, so you should plan to arrive early in order to find seats. The music has been furnished through the courtesy of the Music Performance Trust Funds of the Recording Industry and Local 47, Musicians Union.

## G.O.P. Hawks Continue

(Continued from page 4)

be far different than it is. It is this Asia that could have been, the Asia that can still be, if the United States withdraws, without some reciprocal agreement, without some stabilizing force in the crescent from India to Japan, that shadows our every move in Vietnam.

### Temporizing

The states of Asia, if privately rather than publicly, support the American effort in Vietnam. They realize that we are buying time for them to insure that there will be no further Vietnams; they realize how unpopular would be the request for American support from another Asian country after the cessation of hostilities in Vietnam.

The conclusion is inevitable. The conspicuous decisions that have brought us to where we are in Vietnam have been correct. As McGeorge Bundy has said, "The continuing conviction, through twelve years, has been that we should be ready to do our full share to help prevent the Communists from taking South Vietnam by force and terror."

For the future, it must always be remembered that the decisive area of our interest in Vietnam is in the South. It is there that our political and military effort must be concentrated. Here lies what could be a critical error that may be made by the Johnson administration if a present trend continues. We must differentiate between raising the cost of aggression and trying to "win" by "defeating" Hanoi. This is primarily a political struggle, and to attempt such a "victory" would risk war with China and the Soviet Union and engage us in a struggle for which we have

no taste or need — a contest for the future of North Vietnam.

So, amid social revolution within the United States, and criticism from many areas of the world which have neither the responsibility for causing or power for changing the consequences of United States actions in Vietnam, we can only hope that our continuing policy will be to support the attempts of any people to form a government that suits them, and to defend the interests of all such governments, both newly-established and aged with conflict, both near and far.

## Bridge Quiz

Since many Teckers enjoying playing Bridge, this week we are including one of a class of difficult problems. The first correct solution sent to Kirk Benson in Lloyd will receive a \$1 prize.

North  
S-852  
H-J6  
D-K6532  
C-865

West  
S-KJ96  
H-K7  
D-J94  
C-Q942

South played at 3 NT; West led the spade six, East won the ace and returned the four. West won the jack, and cashed the king, on which all followed. West then cashed the thirteenth space. After this, declarer took 9 tricks.

"Nicely played," said West to declarer. "There was nothing we could do, was there, partner?"

"Well, yes," said East. "If at the fourth trick, you had played any card but the thirteenth spade, we would have set them one trick."

Assuming that East was correct, what was South's exact hand?

## House Decibel Levels

(Continued from page 1)

body of some form. Humphrey asserted that now the committee is to a certain extent a small "legislative body", but he too saw the committee ideally in somewhat the same light as Griffith did.

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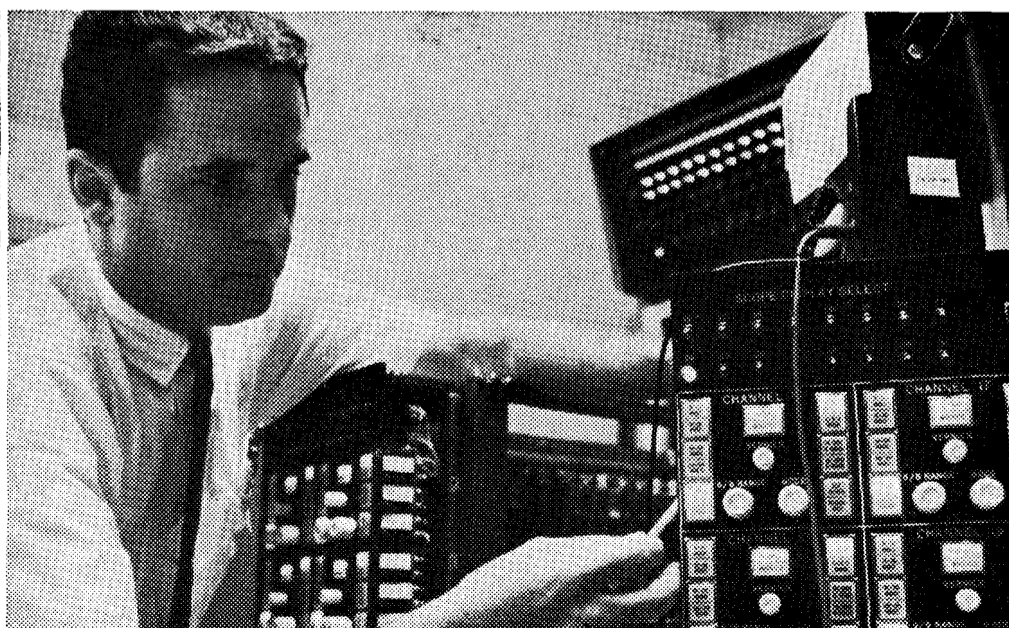
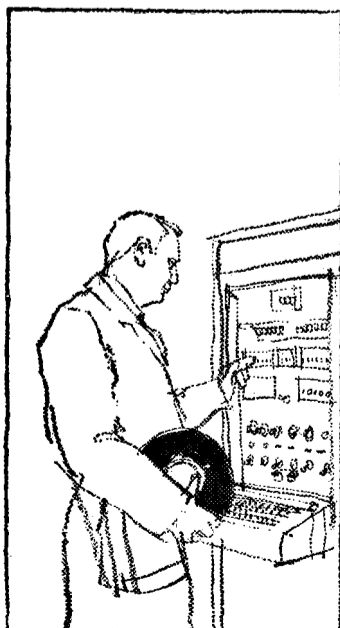
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