

Special Election Tomorrow!

Students to Vote on Meo's Recall

by Len Doberne

The ASCIT Board of Directors Monday night set tomorrow as the date of a special vote concerning the recall of Tech editor Michael Meo. Bob Parker's submission of a petition bearing the signatures of 183 Teckers precipitated the decision. The action followed four days of controversy concerning the article, which appeared in last week's California Tech.

The article appeared last Thursday on the first and third pages of the newspaper. That day, in its regular meeting, the ASCIT Excomm, under the chairmanship of Tim Hendrickson, discussed the possibility of harm coming from the distribution of the paper, and "detained those copies of the January 12, 1967 issue of the Cali-

forna Tech destined for outside circulation." They recommended the editors be prevented from circulating the paper off-campus and in their report to the BOD further recommended that they not be permitted to print anything at all having to do with Caltech and marijuana without express consent from the Board.

Bad publicity

The reasons given in their report for these recommendations were that "any such article linking Caltech students and marijuana, no matter how carefully written, is bad publicity and cannot be justified. In a prominent Institute with a small, generally apathetic student body, the 'school paper' becomes unusually representative in outside eyes The writer has taken great

pains to exaggerate and be inaccurate and to write in an ambiguous and sensationalistic fashion." Further, "The editors are to be deprecated for their exercise of calculated irresponsibility."

The BOD met Sunday morning in consideration of the Excomm report and passed a resolution stating that "the Executive Committee stepped outside the bounds of its authority as it is defined in the ASCIT by-laws" by impounding the papers. They reminded the editors of the Tech that it speaks for the students and has "a responsibility to avoid actions whose only effects would be detrimental to the students."

They further stated their responsibility for the activities of the Tech, that they thought off-campus distribution "would be of positive detriment and a grave mistake." Finally, "the BOD will not interfere in the distribution of this issue, but expresses the hope that the editors will bear in mind the responsibilities outlined above in making this decision."

Irresponsibility

Certain persons, including Tim Hendrickson, John O'Pray, Bob Parker, Rob Drew, John Blair, and George Sharman, decided that the BOD's warning to the editors was not enough, and printed and circulated a petition for the recall of Mike Meo as editor of the newspaper on the grounds of irresponsibility of action. Sharman explained that "Meo had shown a consistent policy of irresponsible actions," noting the third term change of

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CAN'T TELL THE PLAYERS without a program. Actors in the marijuana drama are: upper left, Tim Hendrickson, chairman of the Excomm that confiscated the papers; upper right, Robert Huttenback, Master of Student Houses, who has remained scrupulously neutral; lower left, the embattled but still pugnacious editor Mike Meo; lower right, the man in the middle of it all, Fred Lamb, President of the Associated Students of Caltech. Photos by Engebretsen and Boyd.



Bridge Tourney To Send 8 To Santa Barbara

Four pairs of bridge players won admittance to the regional round of the Intercollegiate Bridge Tournament by winning the on-campus round held Friday night in Winnett Lounge. Thirty-two pairs competed in the event, a duplicate match point game with one giant section.

Grads win

Graduate students won both positions in the North-South direction. Winning first place was the team of John Firkins of Chemistry and Alan Ramo from Geology, with a score of 314. Each point represents a better score than one other north-south team on one board, with each team playing every board.

Joseph Blum and Harold Payne of the Applied Math Department placed second, with 277 points. 240 was average for both sides.

On the other hand, undergrads won both positions East-West. Richard Burton, a freshman, teamed with sophomore Robert Wilson to take first with 294 points, while John Ashcraft and Allen Schwenk of Dabney placed second with 282.

These four pairs will compete in the regional par-point round at the University of California at Santa Barbara.

California Tech

Associated Students of the California Institute of Technology

Volume LVIII

Pasadena, California, Thursday, January 19, 1967

Number 14

Blood Drawn In Beckman

by Dave Lewin

Dr. Michael G. Taylor, visiting professor of engineering, and professor of physiology at the University of Sydney, took a capacity crowd at Beckman Auditorium on a freeway ramble through the arterial system in a talk entitled "The Motion of the Blood," part of the Monday Night Lecture Series.

The speaker traced the evolution of the concepts of the circulatory system through history (and pre-history). Starting with primitive man, who knew that the heart was important but not why, Dr. Taylor traced theories of blood flow up to the present. The Greeks had several ideas on the subject, all of them wrong. Aristotle had a theory that the arteries were full of air, and it was not until the third century A.D. that Galen discovered the blood that had been missing from Aristotle's cadavers. Galen presented the theory, based on his researches, that the blood oozes from the venous system to the arterial system (and vice versa) through pores connecting the ventricles of the heart.

This last theory was held through the Middle Ages, when people really didn't care if and

how the blood circulated, and no self-respecting professor would do his own dissecting. Harvey, an Englishman born in 1578, went to Padua to study, and actually willing to dissect a cadaver, proposed in 1616 the theory of the circulation of the blood. He published a book in 1628, and was regarded as a crank for a short time for daring to dispute the word of Galen.

Least action

Modern work in the field tends towards describing how the arteries manage to keep heart action at a minimum. The most important discipline in creating these models is the study of wave motion in closed containers. In the simplest model, the circulatory system can be represented as an elastic tube connecting the heart and the animal. Unfortunately this model calls for too much heart action to keep the blood circulating.

A better model involves using a tube with nonuniform elasticity, a tube that gets stiffer the farther out you go. Even better is a model in which the arteries branch out with random endings. In actuality the heart does enough work in one day to lift

itself 100,000 ft. The excess work done by the heart to overcome effects caused by nonuniform pumping is only about ten percent of the total. But this is just a model, a creation of theoretical biology. Theoretical biology is a perilous thing, said Dr. Taylor, unless it is firmly planted realities.

Populations of Student Houses Ebb and Flow

by Hecht

The fatalities from the wars of first term were largest in the battle between students' stomachs and Institute cooks. Far behind were the battles against grades, and against life at Tech in general, accounting for about a fifth of the fifty people leaving the Houses. A few hardy souls from off campus grew so sick of their own cooking that they chose to move back on and brave the products of the kitchens.

Dabney lost only three people, and gained one frosh, a far cry from last year's exodus of fifteen at the end of first term. This was much to the disgust of Blacker, still overcrowded after only six upperclassmen moved off, which had been hoping to acquire Colonies Alley again. Fleming has no such problems, with four more moving off campus, two transferring to other Houses, and one frosh giving up the ghost; they now have some six empty rooms. Ricketts lost six: one senior who flunked out, a transfer to better lands, and four who moved off-campus.

Homesickness

All the new Houses had people returning from off-campus. Lloyd regained four, including its Secret Weapon—Crandall. Four sophs and three frosh moved off, and a 0.3 GPA disposed of another inmate. One Tecker returned to Ruddock and nine left the House, including a frosh mov-

ing off campus. Page acquired two people from Fleming and one from off campus while sending six off—one of whom is so far off that he will attend UCLA.

Only five students flunked out, three sophs, one junior, and one senior, at least two of whom were planing on leaving anyway. One senior graduated. Dean Eaton's reaction to the low figure was "Excellent; now if we could only eliminate the last five."

About seven, including three frosh, decided to seek greener pastures elsewhere. A couple of them were accepted into other schools for the second semester there, but the rest just had to get out. They can't drop out of the army.

Tech bites

There were many reasons for nearly forty people moving off campus after the end of the term. There were those who got married, and those that didn't bother. Some left because of a distaste for the atmosphere of the student Houses, to seek a place away from social pressures, or to have a quiet place to study. Others left to seek decent food, better housing, or cheaper accommodations, including one soph who is living in his car. There were also those who sought a wider or different type of experience, an advanced hint at the annual exodus of third-term seniors. While the figure for this term was a little heavy, Dr. Huttenback is not disturbed by it.

Notices

THE DRAMA CLUB ONE-ACTS

The Drama Club one-acts scheduled for January 28th have been postponed. All members interested in further participation in the Drama Club must attend the meeting Thursday night at 7:30 in Clubroom No. 1.

A SPEAKER FROM IBM

will give a historical introduction to the IBM System/360 and speak on a new language for the 360 at the Caltech Computer Club meeting tonight at 8:00 in 201 Booth.

TYPING LESSONS

Anyone interested in typing lessons should sign up on sheet outside the YMCA office.

MATH CLUB

There will be a Math Club meeting this Thursday at 7:30 in the Math lounge, Sloan. Plans will be made for second and third terms. All invited.

TOTEM NEEDS HELP

Totem is still looking for con-

(Continued on page 3)

Food Service Lacking Thousands In Utensils

The Institute Food Service is missing \$4,101.07 worth of utensils, according to an inventory taken at the end of first term. The Institute inventoried all that they had taken over from Saga food service before school started in September. A similar inventory in December revealed the losses.

Thieves in Chandler

As yet, no one has any ideas about how to cut down the disappearances, but everyone concedes that the situation is serious. Common guesses are that at least some of the loss comes from unreported breakage, some from items taken from Chand-

ler Dining Hall, and that some of these items are presently in student rooms and off campus. No estimates can be made about how much is where.

The inventories were split between the north and south kitchen complexes, and a comparison is interesting. For instance: 139 knives were missing from the new Houses and Chandler; the old House kitchen has lost 34. Forks are even more spectacular; north lost 514, south gained 64. Coffee cups serve as another amazing example of losses through the Greasy exits: North complex is down 733 coffee cups.

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Editorial

Editorial Freedom

The issue, gentlemen, is freedom of the press. The Board of Directors of ASCIT has refused to censor last week's **California Tech**, so now the student body has taken over. The question is not whether or not the article is true (it is true), but whether the students will allow the editor to publish facts which they don't want to see. We do not have on this campus a healthy enough respect for editorial freedom, a liberty granted to "outside" newspapers since the Peter Zenger case of 1735.

Who should tell the editor what to print and what not to print? Listen to the Excomm's recommendations to the Board of Directors: "The Board (should) direct the editors of said paper to drop the marijuana cause in its entirety. The editors of the **Tech** shall print no further articles, letters, rebuttals, headlines, boxes, or cartoons about Caltech students and marijuana, without express consent from the Board." These unwarranted measures were not taken by the Board, but might be taken by the student body.

Such frantic, blanket censorship chokes the free exchange of ideas. The suppression of truth which is the ultimate goal of this vote will do much more harm than any article on marijuana. No longer, after we have been recalled from office, will the student newspaper be a forum for the free and easy exchange of controversial ideas. Oh, no. Controversial topics may present Caltech in a "bad light." It might ruin our reputation. Such a vote will be the death knell of discussion on this campus, discussion about topics which are not covered in physics lecture.

Picture, gentlemen, a newspaper in which the editor does not have the final decision on what is published. Even if his article is true, even if he has taken what he considers to be reasonable precautions to ensure that the article will not be unjustifiably damaging, he can still be fired for his irresponsibility. He will take no chances, gentlemen: the **California Tech** will become a sort of Unabridged Institute Weekly Calendar. A bilious bulletin board. A lap-dog.

Actually, the recall is the second alternative of the forces of fear and frustration. Their main objective was stopping the circulation, but the Excomm has no power to do so, nor does the Board of Directors. The power to distribute the papers or not to distribute the papers rests solely with the editors at the present, and the Board of Directors so ruled Monday night. Since the petition-panderers could not influence the joint decision of the editors to honor their obligation to send the papers to "outside" subscribers, they began to shout, "Meo's irresponsible!" and press for a recall. And who knows, they may succeed.

Let us remember, though, just what is at stake in the vote tomorrow. The movement to censure is not the result of a long string of abominable papers and irresponsible actions, but the reaction to one "unacceptable" article. The topic of marijuana, the reporting of the true situation, is what made last week's **Tech** controversial, and a vote for recall tomorrow will be a vote to prohibit a reappearance of that topic or any other similar topic in the newspaper in the future.

—Michael Meo
John Middleditch

Letters

Editors:

Either I've missed several issues of our friendly neighborhood rag, or there has been an abrupt conversion of both editors to the "Peace, piece, and pot" syndrome. I consider myself something of a liberal, but as I understand the word, particularly the basic belief that everyone has a right to think for himself, I feel that our editors may be fudging a bit on the word **think**, other than with their collective mouth. Meo and Middleditch have every right in the world to feel that our position in Viet Nam is as an aggressor, and that drugs should be under no more controls than Coca-Cola (yes, I'm exaggerating, but I have a point to make) but in their capacity as editors of the student newspaper at a school where the students have the dangerous habit of thinking as individuals instead of computer cards, they should do more of it themselves. In the future, it would be appreciated if, in the future, when they are going to jump on the liberal bandwagon, they would kindly refrain from

insulting our intelligence by rehashing the same tired cliches that every such article in every student newspaper in the world has carried.

As long as the editorial portion of the paper continues to show such total lack of thought, they may well continue to experience difficulty in finding people willing to associate themselves with the staff of the **Tech**.

Yours truly,
Daniel D. Villani

Letters

Editors:

The ASCIT By-laws state, and the masthead of each issue affirms, that the "official newspaper of the Corporation shall be the **California Tech**." As an elective officer of ASCIT, the editor of the **Tech** thus has an obligation to be aware of, and to protect, the interests of the members of the Corporation. In publishing the marijuana article, and insisting upon the outside distribution of that issue of the **Tech**, Mr. Meo has callously and blatantly ignored his responsibility to the students and to the Corporation.

Appalled at insistence

The academic issue of freedom of the press is not relevant here, for Meo is not a free agent, but a representative of the interests of the student body. As such, his freedom is limited by his responsibility. Therefore, we, as members of ASCIT, are appalled at Meo's unrelenting insistence on external distribution of this issue, against the strong recommendations of both the BOD and the Excomm, and contrary to the best interests of the Associated Students.

The President, the Deans, the **Tech's** faculty advisor, and the Master all advised Meo that the publication of such an article would be unwise in the face of the risks involved. No positive benefit can come from the circulation of this article. The drug problem has been recognized and controlled discreetly within the Caltech community, as is traditional in the case of women and liquor. Other, more effective ways of dealing with and discussing this problem exist than the sensational exploitation on the front page of the **Tech**, half the circulation of which is to faculty, alumni, parents, and trustees, whose aroused intervention can only result in the loss of many of our privileges.

Not freedom of speech

The issue is not freedom of speech, but whether or not it is considered responsibility and mature judgment to risk the rights and privileges of all the students solely to initiate controversy. We therefore advocate the recall of Michael Meo in tomorrow's election.

Gary G. Christoph
Tim Hendrickson
John E. O'Pray
Robert D. Parker
George Sharman

Letters

Editors:

There is, I believe, an interesting moral dilemma for many students who smoke marijuana, especially for those with a "liberal" socio-economic outlook.

One who actually smokes pot should be aware that, like it or not, he is not doing so legally in the present society; and largely because of this there are certain facts of real life which must be faced and which should, I believe, make pot smoking morally objectionable to many students who now indulge.

(Continued to page 5, col. 1)

Letters

Editors:

Congratulations on your front-page coverage of drug use among Caltech students. As a former college editor (Pomona College, '61) I am impressed by your forthrightness and maturity in presenting the campus with an issue it should not ignore. If you compare your work with the present series in the Pasadena metropolitan paper, I think you may be doubly proud.

Moral and social concerns are not lacking today in California. The situation in education may well explode in a matter of days or weeks; and we can hardly feel safe from a vendetta conducted against students and administrators at the state university and college level. Academic freedom, personal rights, and opportunities for research and professional careers may well hang in the somewhat perilous balance of the Reagan budget; I suspect this too is ultimately a concern of the Caltech community.

You have made a bold first step towards establishing a forum for discussion of living issues here.

Letters

Editors:

The sudden "Hang-Meo" movement shows Caltech undergrads in a chilling light. To a casual observer, the impeachment of a newspaper co-editor for a single article is the most artless suppression of freedom to publish. Yet it is just such a casual observer whom the recall supporters have in mind; Meo's marijuana article has hurt their image.

Scared to death

What image? Presumably, the next leaders of America enjoy the role of mischievous geniuses who laugh UFO's and hold ugliest-date competitions. They are plainly scared to death to be associated with pot. Meo's article summarized the La Guardia Report's findings that "marijuana is more a nuisance than a menace," yet the BOD judged that the publication of the article, together with off-campus distribution, was detrimental to Caltech students.

Meo untalented at P-R

Why detrimental? The weakest feature of Mike's article was its failure to explain sampling procedures. But the BOD didn't object to the percentages and some students think Mike's estimates were low. No, the BOD

(Continued to page 5, col. 5)

It would be the height of folly for students who have complained so long about our ivory tower atmosphere to enforce our sequestered state by bringing the weight of orthodoxy to bear on you and your staff. I sincerely hope that this can be averted.

Yours sincerely,
John F. Crawford
Instructor in Humanities

Letters

Editors:

A newspaper article on the subject of marijuana can be constructive if its purpose is to call attention to the problem in the hope of correcting it.

In spite of the objectivity of last Thursday's article, the accompanying editorial, signed by the article's author, attacked the enforcement of narcotics laws and appeared to condone the use of narcotics. It was intimated that the younger generation should vote for the repeal of narcotic laws.

It is the editors' responsibility to insure that each article is written accurately and for a constructive purpose. But the purpose of last week's article and editorial was to urge greater legal and social acceptance of the use of narcotics.

Gary Edwards

Clever of you to perceive our intent so acutely.—ed.

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Letters

Editors:

For the first time in my memory, a storm has rent the Caltech campus. Dinner table discussions are no longer centered exclusively upon sex, girls, and other related extracurricular activities. Friends have become enemies. And the faculty loves it . . .

The controversy erupted with the publication of an article in the **Tech** last week on the use of marijuana by Caltech undergraduates; the article was factually correct and responsibly written. Questions do arise about the original motives of author Michael Meo in composing the article. True, ferreting out the facts is in the best journalistic tradition; but most agree that the story will show few immediate positive results, and that the vainglorious author wrote the article to continue his campaign of getting attention for himself.

Because of recent events, arguments which first centered about whether or not to distribute the paper off campus have now gravitated to ones centering on the

merits of Meo.

Originally, the reason given for the circulation of the paper was that to do otherwise would simply be censorship. Added to this was the fact that Caltech students do everything students elsewhere do, and nobody should be afraid to admit it, publically or privately. Surely we are no better than students at Harvard, Columbia, and other schools where marijuana use is admitted; moreover, people in the real world judge others as individuals; scholars remain so even if they perform socially unacceptable acts (How many homosexual writers has history seen?) Finally, activist students agree that only if constant pressure is put on authorities by potential leaders of society (which many here vainly purport to be) will social and legal change ever occur.

Contrary to these we find a conglomeration of petty, sefiish opinions. Students are worried that the circulation of the article will steep the Institute in stench
(Continued on page 8)

Arnoni Hits Viet Policy

by Roger Goodman

Mr. M. S. Arnoni, founder and editor of **The Minority of One**, a national monthly magazine, arrived in Los Angeles to speak on the topic "If the Vietnam War Escalates into China?" last Saturday night, January 14. This topic was also the focus of the January issue of **The Minority of One**, a publication whose sponsors include Linus Pauling, Bertrand Russell, Sir Robert Watson-Watt, and the late Albert Schweitzer.

Biography

Arnoni spoke against American military involvement in southeast Asia. He told how his quest for peace began in 1939, when, at the age of 17, he was incarcerated in Lodz, sent to Auschwitz, and witnessed the death of all his close family and friends. He attributed his survival to his great will to live, and he resolved to let others know the feelings of the persecuted and to help prevent future

unjust wars.

Saying that the United States is not a supranational gift to mankind, Arnoni questioned those who blindly follow the policies of the President and the government. He called upon his listeners to exercise their democratic right of dissent and not to acquiesce to American aggression as Germans did under Hitler. He drew applause in declaring that the Administration should be tried for war crimes a la Nuremberg.

Military-business establishment

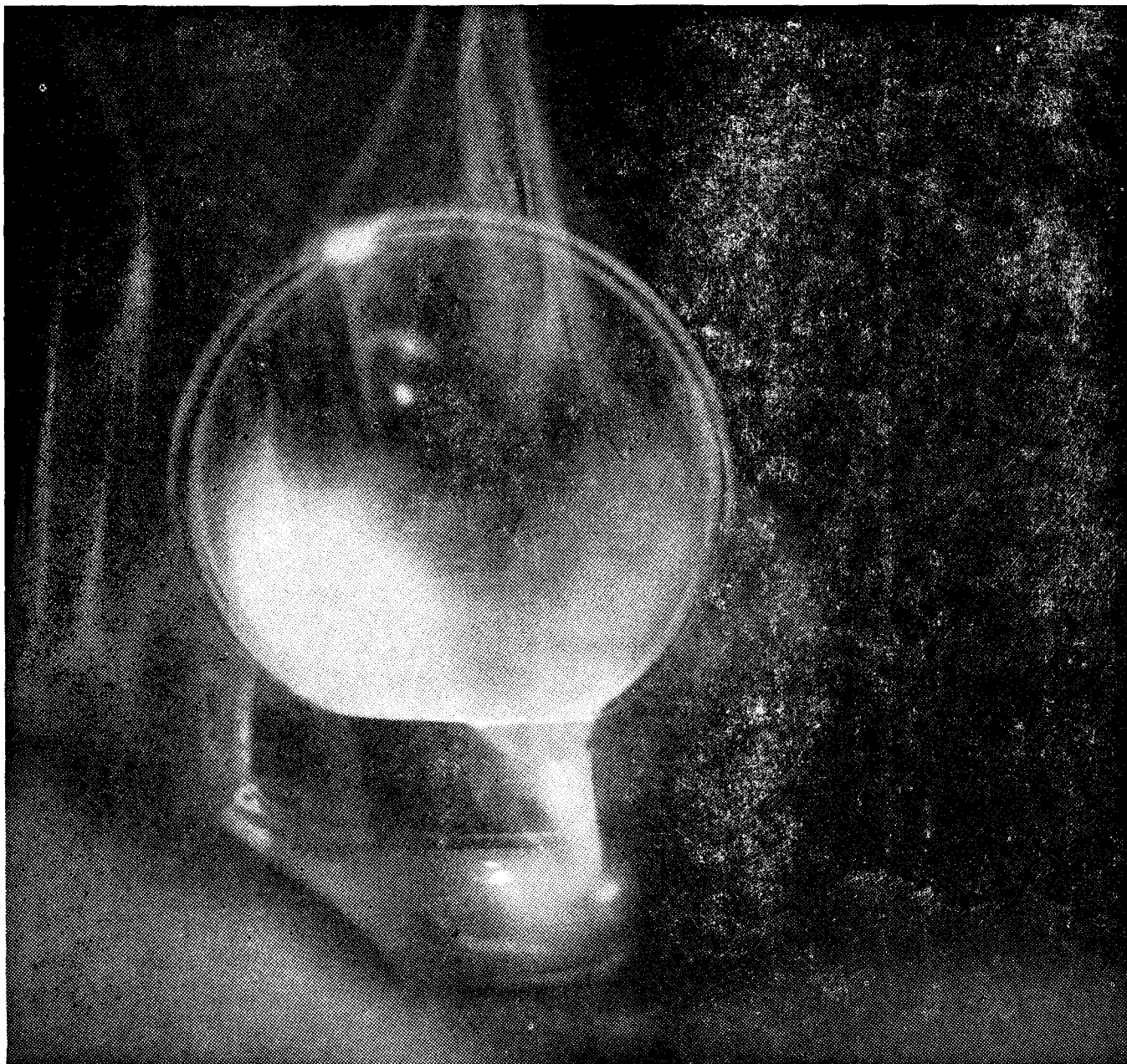
The reason for American involvement in Asia was laid to business interests in Vietnamese mineral deposits. Arnoni stated that the real dominoes in the falling domino theory are not military targets but rather the threat to U.S. investors of all countries escaping from their economic control.

The U.S. threat to China also came under Arnoni's attack, as he praised China's development

during the last 18 years, which, in his opinion, has exceeded that of Western-aided India in the same period. He pointed out that the U.S. tolerates communism in the Soviet Union, in the countries behind the Iron Curtain, and even in nearby Cuba, but not in a small, distant country. China seems to be the largest target to justify American action in southeast Asia.

Evades some questions

After an appeal to add to the 26,000 circulation of **The Minority of One** and for additional donations, Arnoni answered several questions. In answer to some of them he stated, among other things, that he preferred the late President Kennedy's handling of the war, that the treaty of mutual aid between the Soviet Union and China is dead, and that the hands of the United Nations are tied by the U.S. He explained the recent purges and riots in China as reactions to the great fear and confusion arising from the threat of American invasion. He evaded questions asked about the reasons for the escape of many people from such Communist countries as East Germany and Cuba. Arnoni will be hosted by Mort Sahl tomorrow night, January 20, on channel 11 at 11 p.m.



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California Tech

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The Critical Ear

by Bill Atwood

Sunday night in Dabney Lounge at 8:15 the Coppin Ensemble performed a program of chamber music consisting of the Beethoven *Serenade, Op. 8, Trio in D*; the *Piano Quartet in C minor* by Brahms, and the *Bloch Piano Quintet*. The group was well received by a near-capacity audience consisting primarily of faculty and adults from the Pasadena area.

With the Beguine

The program began with the Beethoven. The opening movements were hampered slightly by intonation and lack of confidence, but as the piece progressed, and the members of the trio relaxed, the quality of the music improved immensely. The group's balance was remarkably fine.

The trio was followed by the Brahms quartet. Marie Coppin Emerson displayed a remarkable sensitivity and musical awareness not usually found in a pian-

ist. The group still lacked in its rendition and failed to meet the force of performance required by this piece.

Pepsi-generation piece

After a brief intermission all five members of the group played the Bloch quintet. This was the best-played of any of the pieces. The modern tonal and structural aspects of the Bloch composition were brought forth admirably.

The selection of the pieces provided the listener with a wide spectrum of music. The Beethoven piece, taken from his early works, exemplified definite classical modes of expression. The Brahms, with its rich melodies and harmonic structure, typified the Romantic era beautifully. Finally, the contemporary composition by Bloch provided an interesting contrast to the other two works.

The audience showed a wide range of musical appreciation, and was able to accept all three pieces equally well. The scarcity of Caltech students at the concert was appalling. One wonders why the students don't take advantage of such great opportunities in music. The problem may arise from lack of publicity; well then, the Julliard String Quartet will appear in Beckman Auditorium on January 29. Don't miss this world-famous group.

PME to Touch American and African Policy

Race riots, naval blockades, and possible UN military action in southern Africa will form the background for the third annual Political/Military Game sponsored by the Y to be held March 31 and April 1 in Dabney Hall.

Briefing for the game will begin with a lecture February 28 by the Hon. Joseph Palmer, U. S. Assistant Secretary of State for Africa. Willard Manning of Dabney House, in cooperation with Professor E. S. Munger, is organizing the game. Manning has asked that faculty and students interested in this year's exciting game contact him or leave their names at the Y office.

An innovation in this year's game will be greater attention to the decision-making process in the United States both in and out of government. In effect, there will be one game on American policies intermeshed with a second one on world pressures in southern Africa.

Eighteen colleges and universities have approached Caltech for advice in playing similar games. The Department of Health, Education and Welfare has approved in principle a grant to enable Caltech to share its experience with other institutions.

India To Celebrate 17th Nativity In Dabney Hall

The Caltech Indian community is presenting "India Day" on Thursday, January 26, at 8 p.m. in the Dabney Lounge. "India Day" is a cultural program to celebrate the seventeenth anniversary of the birth of the Indian Republic.

Hard-hitting political skits

The program has been planned as a judicious blend of music, dance, and humor. Both classical and light varieties make up the music. The offerings of classical music include a flute and a sitar recital while the light music consists of folk songs and some vigorous group singing. A demonstration and exposition of classical Indian dance is one of the highlights of the program. In a lighter vein, the program includes fairly hard-hitting skits involving swipes at both India and the rest of the world. A documentary film will also be

shown.

Readings illustrated with slides will interlace the program. These readings are an attempt to project facets of India that, in the opinion of the organizers, are vital to a proper understanding of Indian life. As one example, an Olympian view of Indian history is offered; as another, a glimpse into the role of women in Indian society. The last reading peeps into what the future holds for India, as envisioned by the organizers.

The whole program is expected to last about two hours.

PAT'S LIQUORS AND DELICATESSEN

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More Notices

(Continued from page 1)

tributions, and will be until January 28. Anyone interested in joining the staff is also welcome. This is a chance to prove that the campus is not completely apathetic to its publications. The staff hopes to circulate Totem two or three weeks before the end of this term. All interested please contact Rich Rubinstein in Blacker.

PARTY TO BENEFIT COFFEEHOUSE!


Winning films from the National Student Film Festival will be shown this Saturday night, January 21, in Culbertson Hall. Showings at 7:30 and 9:30 p.m. will be presented, along with folk songs and refreshments. The \$1 admission charge will go towards the Coffeehouse Fund Raising Drive.

SKI ASPEN

Riders wanted to go to Aspen for Spring Vacation. Share driving and expenses. Call 797-8900 evenings.

GO TO THE . . .

A beginner's class in GO will be held tomorrow at 4 p.m. in the YMCA Lounge. Everyone welcome.



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b/w "Road to Nowhere"
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This is the hit song that was written about the happenings on the Sunset Strip and all the other Sunset Strips long before they ever happened.

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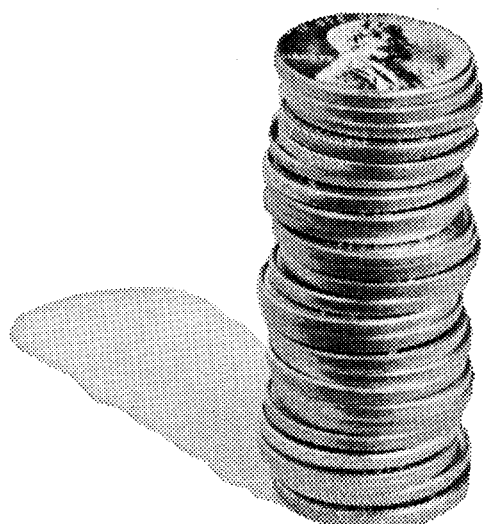
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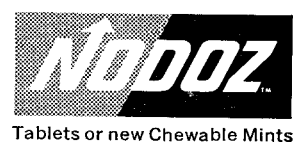
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Twenty-five cents is what you get back on the purchase of any size package of **NoDoz** Keep Alert Tablets or new Chewable Mints. Safe as coffee, **NoDoz** helps restore your mental vitality at a time when you really can't afford to be dull.

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But hurry, offer ends Feb. 28. No refunds after March 7, 1967. Mail coupon today!

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

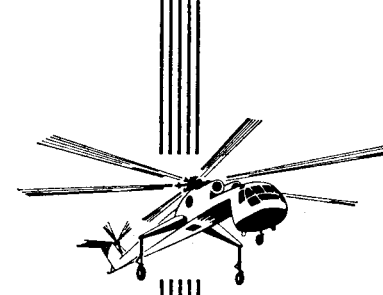
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Letters . . .

(Continued from page 2)

Pot-pourri

To anyone who cares to think about the situation, it is perfectly obvious where the pot ultimately comes from—not from the pitiful little junkie-pusher on the corner or in the next room, but rather from the professionals—the “syndicate” or whatever elst one cares to call them. Now with this virtually undeniable fact in mind, I would like to ask the pot puffers some questions about their moral codes (assuming they have some).

Would you, to satisfy your personal pleasures, buy axe handles and white sheets from the rabid racists of the South, knowing full well that as you did so you were buying the ropes,

whips, and crosses for those people to achieve their goals? Would you, to satisfy your personal pleasures, buy iron crosses and swastikas from the Nazis in this country, knowing full well that you were helping to pay for uniforms and propaganda?

Do you like white slavery?

If not, then why do you buy pot to satisfy your personal pleasures, when it is perfectly obvious that you are financially contributing to organized crime both inside and outside this country? Do you approve of your paying the wages for gangland killers? for the “protection” peddlers? for the pimps and white slavers? You are, of course, just as surely as you

would be paying to intimidate Negroes if you were buying axe handles and sheets from racists.

Of course, I could be mistaken about your morality, or lack of it. Perhaps, in order to satisfy your personal pleasures, you don't give a damn how Robert Shelton solves the “nigger problem”. Perhaps you don't care what Mr. Rockwell does to the “kikes” so long as your personal pleasures are satisfied. Maybe you are quite willing to help pay for the 30 or 40 (I'm guessing here, but I think I am in the ballpark) gangland killings that have taken place in Boston in recent years.

But I think you do object and do give a damn. So what are you going to do next time you

Europe Offers Summer Study, Job Programs

by Terry Reedy

If necessity does not require that you work during the summer, and you are looking for a different experience, investigate the possibility of either studying or working in Europe for part of a summer. There are a number of work or study programs for students. Similar opportunities are available for a full year, but one's draft board should be consulted before they are considered.

Malcom Morrison
240 Spalding — X5175

Your emotional appeal to our sympathies for persecuted Negroes and Jews weakens the statement—eds.

Study abroad requires money. In general, tuition, room and board, and some extracurricular activities are covered by the equivalent of tuition at Caltech. The Educational Travel Association offers two one-month sessions in both Paris and Salzburg, Austria, for \$225 each session. The course of study is the language and history of civilizations of the respective countries. **Come to the Tech office**

Classrooms Abroad offers a similar program in ten cities in France, Germany, Spain, and Italy. Lodging is provided in private homes. The cost for seven weeks is \$1230, which includes jet fare from New York.

For further information

The International College in Copenhagen offers two summer programs, a five-week study session and a two-month tour of northern and eastern Europe, for \$350 and \$680. It also offers a two-semester course (in English) in World Affairs or Danish Studies for \$1580 and \$1260. Lodging in Copenhagen is in private residences. Scandinavian Studies Abroad offers a year abroad for \$1500, including round trip flight, in Stockholm, Paris, or Madrid.

If you aren't rich, you might consider working for at least two months of the summer. The most extensive program is probably Jobs Abroad, sponsored by International Student Information Service. It guarantees a job and requires attendance at an orientation session before starting work. Cost of the session is \$150 or \$475 including transportation to Brussels, Belgium. You must choose three of the following work categories: factory, construction, restaurant/hotel/resort, farm, camp counseling, child care, hospital, work camp, and special (other) and one language area: English, German, French, or other. Salaries range from \$25 to \$200 a month for summer jobs. The low-salary jobs include room and board. The minimum work period is two months. There are other services which do not require the initial orientation, and which do not guarantee a job.

For further information on any of the above, come to the Tech office.

Letters . . .

(Continued from page 2)

objected because the Tech is, in its eyes, an Institute public-relations medium rather than a journal of opinion. Meo evidently has failed in his public-relations role. The petition-signers want someone who'll only tell them nice things, week after boring week.

Why are all these Teckers so frightened? They are, literally, the smartest young men in the country. If they determine to ignore the petty people around them, then neither the cops, nor the FBI, nor General Motors can hurt them. If they recall Meo because he wrote what he believed, they will strike an impressive blow for ordinariness.

Very truly yours,
Ron Drucker, '68

Why become an engineer at Garrett-AiResearch? You'll have to work harder and use more of your knowledge than engineers at most other companies.

If you're our kind of engineer, you have some very definite ideas about your career.

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You've worked hard to get a good education. Now you want to put it to work in the best way possible.

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Our business is mainly in sophisticated aerospace systems and subsystems.

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actual hardware. That means you have the opportunity to start with a customer's problem and see it through to a system that will get the job done.

The product lines at AiResearch, Los Angeles Division, are environmental systems, flight information and controls systems, heat transfer systems, secondary power generator systems for missiles and space, electrical systems, and specialized industrial systems.

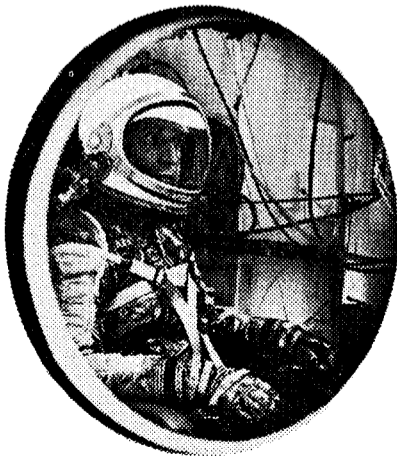
In each category AiResearch employs three kinds of engineers.

Preliminary design engineers do the analytical and theoretical work, then write proposals.

Design engineers do the layouts; turn an idea into a product.

Developmental engineers are responsible for making hardware out of concepts.

Whichever field fits you best, we can guarantee you this: you can go as far and fast as your talents can carry you. You can make as much money as any engineer in a comparable spot — anywhere. And of course, at AiResearch, you'll get all the plus benefits a top company offers.



Sign up now in the Placement Office for interviews. An AiResearch representative will be interviewing on campus Friday, February 3.

Our engineering staff is smaller than comparable companies. This spells opportunity. It gives a man who wants to make a mark plenty of elbow room to expand. And while he's doing it he's working with, and learning from, some of the real pros in the field.

If the AiResearch story sounds like opportunity speaking to you—don't fail to contact AiResearch, Los Angeles, or see our representative when he comes to your campus.

We'll be happy to talk to you — about you and your future.

And put this in the back of your mind:

In a field where meeting challenges pays off in rewards . . .

AiResearch
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TECH Sports

Hoopsters Lose Two, But Frighten CHM

With two starters, Jim Stanley and Bruce Threewitt, slowed up by the flu and Ed Hsi out with an ankle injury, the Caltech basketball team was in terrible shape physically for last week's games. On Wednesday the Beavers fell prey to Oxy 90-62. Having an extraordinarily cold night shooting from the field, the team made only 33 percent of its shots. Because of the poor showing, they were never in the game. Terry Bruns led all scorers with 20 points, while Jim Pearson made 15 and John Frazzini made 12.

Chilly game

Saturday night the Beavers lost to Claremont-Harvey Mudd 87-63 despite a large home crowd. In the first half Caltech baffled the taller Stags with a constantly switching defense. Despite an inconsistent offense Tech managed to stay close by showing great hustle. CHM led only 39-34 at half-time. Led by all-conference forward Harmsen and center Barton, the Stags pulled away in the third quarter when the Beavers hit an extra-cold spell. After that, the outcome was never in doubt. Caltech actually took more shots from the field, 69 versus 64, but their cold shooting, 32 percent, compared to CHM's 53 percent, led to their downfall. A fine individual performance was turned in by Frazzini, who has helped the team considerably on the boards in the past several games. Tom Bicknell was high scorer with 20 points. He was the only one who was shooting decently, making 10 of 14 attempts, including a 70-footer at the buzzer. Bruns, having problems against tough opposition, did not play up to his usual form, and the team suffered thereby.

The junior varsity also failed in its two attempts last week. They lost to Oxy 81-48 and to CHM 72-34. The scoring has been spread out rather evenly, with center Steve Kraus scoring

Wrestler of the Week

The wrestler of this week is Joe Devinny, a sophomore from Lloyd House. Devinny is an all-around athlete; not only is he a fine wrestler in the 167 lb. class, but he also played guard on this year's football team. Having wrestled last year, he is the only member of a predominantly freshman squad who has intercollegiate experience.

Asset to team

Coach Gutman is impressed by the seriousness which he brings to practice. Devinny is "one of the top wrestlers of the squad. Joe has won two matches and his losses were close decisions. The experience he will receive this year will establish him as a top competitive wrestler. He is a hard worker and very interested in improving himself. He is an asset to the team." He has been constantly improving and made fine showings in recent matches.

the most points, 19, in the two games. The team lost one of its most promising players when center Ed Vergin was injured. He will miss at least two weeks of competition.

Caltech played Cal Lutheran yesterday, and travels to LaVerne on Friday. The next home games will be played on Saturday, Jan. 21 with the JV opposing Whittier at 6:30 p.m. and the varsity playing Life College at 8:20.

Rugby Team Begins Play

The Caltech rugby team plays its opening game of the 1967 season against Loyola on Saturday afternoon away. The team of fifteen men is composed mainly of graduate students, eleven in all, with two undergrads and two research fellows making up the balance. It is, however, a cosmopolitan group, with citizens from eight different countries on the team.

Robert Bellue of Toulouse, France, Jon King of New York, and John Gallivan of Dublin, Ire-

land, are expected to provide power and ferocity among the forwards (which, to the uninitiated, correspond somewhat to the linemen of a football team). The team is blessed with backs like Dick Lipes of Atlanta, Jim McWilliams of Oklahoma City, and Peter Dodds of Armidale, Australia, who are elusive and penetrating runners. The success of the team also depends critically on the ability of halfback Dave McConnell of Dublin to initiate attacking moves, on the stalwart

defense of fullback Mick Mortell of Cork, Ireland, and on the experience and generalship of captain Mike O'Sullivan of Auckland, New Zealand.

It's the winningest!

Rugby is the most elemental of all games, an excellent emotional catharsis for players and spectators alike. Bring your date and support the rugby team, which could turn out to be the winningest of all Caltech teams. The game at Loyola might be

(Continued on page 8)

UNIVERSAL OIL PRODUCTS COMPANY WILL BE INTERVIEWING B.S. & M.S. CHEMICAL ENGINEERS

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SIGN UP FOR INTERVIEWS AT THE PLACEMENT OFFICE

DEAR REB:

Composer wants to know the score on '67 compacts



DEAR REB:

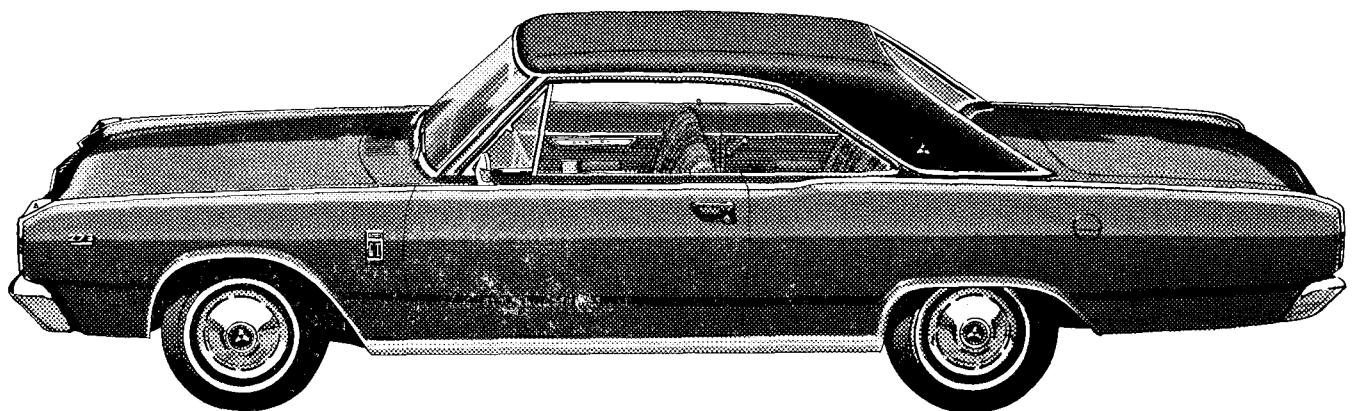
I'm a well-known composer, and I need a new car. The trouble is, I'm just too Bizet to pick one out. And what's more, many of the new cars I see are Offenbach in the garage for repairs. But I do have a good friend who is pleased with his new '67 Dodge Dart. He was given an excellent deal and Berlioz any money on it. My Bach is to the wall. Can you help me?

LUDWIG

DEAR LUDWIG:

My advice is that you let yourself Ravel in the enjoyment of driving the sporty, all-new Dart for '67. You'll find its Liszt price is a lot lower than you'd expect. And even though it's longer outside and bigger inside this year, Dart's still an easy car to Handel.

Sincerely, Reb



Here's the swinging, man-sized compact for '67 that's got three B's of its own: Bold, Brassy and Beautiful. Dart has been completely restyled this year, inside and out. It's longer, roomier, more powerful. But still at that snug compact price. Drop in at your nearest Dodge Dealer's and try it out for yourself.

Dodge



THE DODGE REBELLION WANTS YOU

Fencing Official

Fencing became Caltech's twelfth officially recognized intercollegiate sport this month. The acceptance of fencing after two years of probation was helped by the formation of the Southern California Intercollegiate Fencing Association this season, which provides organized competition.

Coach Delmar Calvert feels much of the work in securing the recognition of fencing was done by Director of Athletics, Warren Emery. The team began under severe handicaps, working out in Culbertson for the first year and a half, and having very limited equipment. Moving into the gym helped the problem of space, but additions to the equipment have never caught up to interest. Only half of the forty students who signed up for fencing class could make the team.

Intellectual sport

Calvert is also a part-time coach at Cal State at Los Angeles, which is the only team the Tech fencers face twice. He

feels that the two teams are such beginners that there is no conflict in coaching them both. Since "fencing is a very intellectual sport," and does not seem too athletic for chronically anti-exercise Teckers, it has caught on quite well.

The fencing team of about ten has already finished two of the three round-robin Association tournaments. This division is made because fencing is divided into three distinct types: foil, epee, and saber. Tech finished third out of eight in the saber meet and fifth in the foil meet. The epee competition will be held January 28. Other meets are held with individual schools.

There are no plans for the addition of another intercollegiate sport in the immediate future. Of the two most logical candidates, the rugby team is composed largely of graduate students, and the karate club has no competition. In addition, Emery feels that any more sports would require larger athletic facilities.

Page Overpowers All Opponents To Triumph in Interhouse Tennis

Tennis, the first Interhouse sport of the second term, ended with little excitement after the preliminary rounds made the situation clear. The contest narrowed quickly to a battle be-

tween Page and Lloyd for first place, while the other five Houses slugged it out for the lower positions.

The Page team showed amazing strength in the three singles

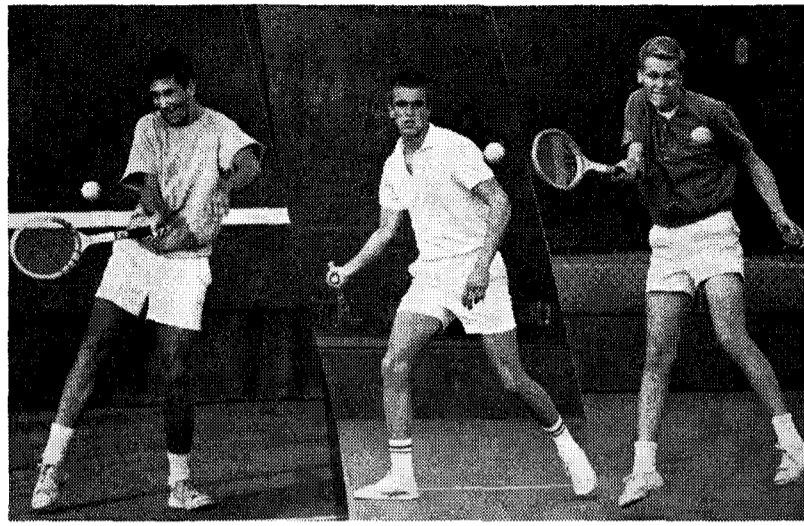
events, sweeping first place in all. Their doubles team had not the quality possessed by the singles players, but they managed to place second because of the generally poor quality of entrants in doubles. Peter Youtz, frosh boy wonder, lost but three games of forty-eight in first singles, all of them to Gray Jennings of Lloyd, whereas Guy Duesdieker won forty-one in second singles. David VanEssen, erstwhile doubles player, won a singularly uninspired third singles, although he lost six games to Dabney's Wayne Lobb.

While Page took three firsts and a second, Lloyd took three seconds and a first. Jennings, Steve Landy, and Glenn Prestwich took seconds in the three respective singles, while Norm Whitely and Kirk Benson took first in doubles over Page's Craig Maxwell and Allen Porter.

To be played

One match, which will decide third place between Blacker and Dabney, has yet to be played. Each won a third place in singles and tied in doubles, so that the game between Ruddock's Bendix and Lloyd's Landy will decide; if Landy wins six or more out of eight, Dabney will place third overall.

Fleming was fifth with a third, fourth, fifth, and sixth, and Ricketts and Ruddock slugged it out for last place; Ricketts won (last, that is), finishing last in three events and sixth in another.



—by Engebretzen

From left to right, Peter Youtz, Guy Duesdieker, and Dave VanEssen, phenomenal Page House tennis players, who swept the singles competition in Interhouse Tennis. They won 45-3, 41-7, and 36-12 respectively.

Engineers:

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Our work-study program combines classroom and on-the-job training. It is designed so that you may earn credit toward a master's degree in the fields named above besides gaining the diversified experience and proficiency that will lead to positions of maximum responsibility in minimum time. Requiring 30 to 36 months to complete, the work-study program is in four phases:

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- (2) a six-month tour of duty and study at a shipyard.
- (3) assignment to the Washington Office of Ship Construction or Research and Development for on-the-job training in Naval Architecture, Marine or Electrical Engineering.
- (4) nine to 12 months advanced study in one of these or related disciplines at a university

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You may earn promotions twice during the work-study program, from GS-7 to GS-9 after a year's service, then to GS-11 upon award of a master's degree or its equivalent. And throughout the program, in addition to full salary and Federal Civil Service career benefits, you will be reimbursed 100% for all educational, transportation and associated expenses.

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CAMPUS INTERVIEWS

JANUARY 30

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Super-physicist Gell-Mann Gets Millikan Chair

The first man to hold the Robert Andrews Millikan professorship in physics at Caltech will be the noted theoretical physicist Murray Gell-Mann.

Meteoric rise

Gell-Mann, whose appointment was announced by President DuBridge and is effective immediately, has been on the Caltech faculty since 1955, when at the age of 25 he joined the staff as an associate professor. He was made full professor the following year, and in the past decade has won international prominence for his contribution to the particle theories that underlie modern physics.

The chair that he will fill was created last fall by action of the Board of Trustees and is named in honor of Caltech's chief executive officer from 1921 to 1945.

Doubly distinguished

President DuBridge said of the appointment: "We can think of few honors that Dr. Millikan would have appreciated more than the creation of a professorship in his name at Caltech, and we believe he would feel doubly honored that its first occupant is so distinguished a scientist as Dr. Gell-Mann."

Gell-Mann has introduced two concepts of great significance—those of "strangeness" and the "eight-fold way." A native of New York City, he received his B.S. at Yale University in 1948 and his Ph.D. two years later at the Massachusetts Institute of Technology. Before coming here he did research and teaching at the University of Chicago, the University of Illinois, Columbia University, and the Institute for Advanced Study, Princeton. He is a member of the National Academy of Sciences, the American Physical Society, and the American Academy of Arts and Sciences.

More Recall Issue

(Continued from page 1)

masthead that failed to bear the words **second class mail**, and further pointed to the issue that had to be burned because "the picture and caption were incompatible with the mailing regulations."

Sharman explained that "I want to emphasize that this was a student group that started this petition." He also remarked that Meo's editorials are, in general, worthless because they have no direction. Tim Hendrickson, the only one in the group who is a former editor of the *Tech*, stated that the mention of marijuana in the paper was O.K. with him "if the subject had been put in an editorial with a positive approach, with a point to it." Tim was not sure of the effects the article would have on the Trustees, but was afraid of the *Star News* quoting the *Tech*: "It may prove embarrassing in the short run, but not in the long run."

He added, "I hate to see him go—he was a good editor in many respects. The paper is understaffed and overworked with the heavy academic load."

The petition, containing the signature of 183 ASCIT members, was presented to the BOD during their regular Monday night meeting. At that time Middleditch pointed out that "I was the editor at the time the article was printed, and I share responsibility with Mike for the inclusion of the article in the newspaper." Later, the BOD set Friday as the date of the polling.

Censorship

To all of this, Meo says, "I think the issue is one of censorship of the press. The administration has hesitated to censor the press, the Board of Directors has shrunk from it, but apparently a sizeable percentage of Caltech students are not so interested in not having a free newspaper. The people in the administration know, more than the students do, what the dangers of this article were. After listening to their opinions on several different occasions, I was convinced that the benefits would outweigh the dangers of the publication."

Surprisingly, there has been little official administration reaction to the article, unlike what has been seen in similar situations on other campuses. The reaction has been almost wholly from the student body. Before the article was published, Meo

consulted several members of the administration, including Dr. DuBridge and Dr. Huttenback. The administration first consulted and then advised him not to publish the article, although he was free to include it if he saw fit. After the article was printed, Dean Strong commented that, "I don't think that the article should have been printed unless the numbers were accurate." As an aside, he commented that he felt sorry for any student who had to seek a sense of fulfillment via marijuana, there being so many better ways.

Monday afternoon, Dr. DuBridge released an official statement: "Caltech officials have no way of knowing whether the statements in the *California Tech* are true. Naturally, the Institute will be investigating the matter."

More Rugby Bash

(Continued from page 6)

hard to get to, but there will be a game against Occidental in Tournament Park at 3 p.m. on Wednesday, January 25. If you are willing and able to go to the Saturday game, the team and supporters will leave from the Caltech gym at 11:15 a.m. If you can't make it, be sure to see the Oxy game.

Missing Forks Cost Mucho \$

(Continued from page 1)

South complex is down only 42. South will rise again

To keep things even, however, not all losses were slanted away from the south complex: Dinner plates, soup bowls, and metal pitchers were all missing in greater quantities from the southern regions.

In case you are still wondering how such a large loss could be chalked up, here are some typical prices: Dinner plates, which disappeared at the rate of 316 in one term, cost nearly \$15 per dozen. The total of 42 metal pitchers which disappeared cost the institute an estimated \$10.50 each, after depreciation. Coffee cups, of which 775 are missing, cost \$10.30 per dozen. At this rate, it easy to see how the money losses can pile up.

R. W. Gang, Head of Residence and Dining Halls, has brought the deficit to the attention of Fred Lamb, ASCIT President, and Martin Smith, Chairman of the BOC. No investigation is underway as yet, but some action is expected after the BOC meets this week.

Letters . . .

(Continued from page 3)

and result in a huge loss of monetary gifts. But have the great private universities of the East become insolvent? These persons fail to remember that Caltech receives grants and gifts be mainly because professor and students do significant work here. Undergraduates fear that mothers will get hysterical because their naive little Johnny is lost in a den of iniquity. But mostly, they are afraid of being busted by police and caught in violation of a large variety of California laws, arrests for which would not enhance their chances of gaining security clearances, ultimately a monetary gain.

All these arguments apply also in the controversy over the re-

call of Meo, since the circulation issue is now dead. But to have taken his bombast for almost a year and then to cast a downward eye because of a good article seems a little incongruous. Interestingly, the recall petition did not ask editor Middleditch to leave. He however was editor-in-chief of last week's issue and in the end decided whether or not to print the questioned article. Also it is a bit unique for the students to try and remove their newspaper editor while the faculty and administration sits by and laugh to themselves.

Caltech students arguing violently over social issues is a rather unique situation. The hope is that they decide correctly when given the opportunity to express themselves.

Les Fishbone

"ONE OF THE YEAR'S TEN BEST" —NEW YORK TIMES

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Water Colors On Display In Dabney Lounge

The California Water-Color Society's traveling exhibit is now making its first stop in Caltech's Dabney Lounge. The 29 paintings, which will be displayed through February 4, are a selection from the Society's 46th annual showing, currently at the Barnsdall Art Museum in Los Angeles.

Prizeless paintings

According to Mrs. Jennifer Ross, Dabney Lounge art coordinator, the traveling exhibit represents "some of the most prominent painters in the area." The Society's showing was juried, but none of the paintings displayed in Dabney won prizes.

The paintings are all for sale, with prices ranging from \$45 to \$400 for D. M. Checkley's "Turkey Factor" and Rex Brandt's "Cyprus Point Oaks." Prospective purchasers should see Mrs. Virginia Kotkins in Dabney Hall.