

Theorem:
Halloween =
Christmas

California Tech

Associated Students of the California Institute of Technology

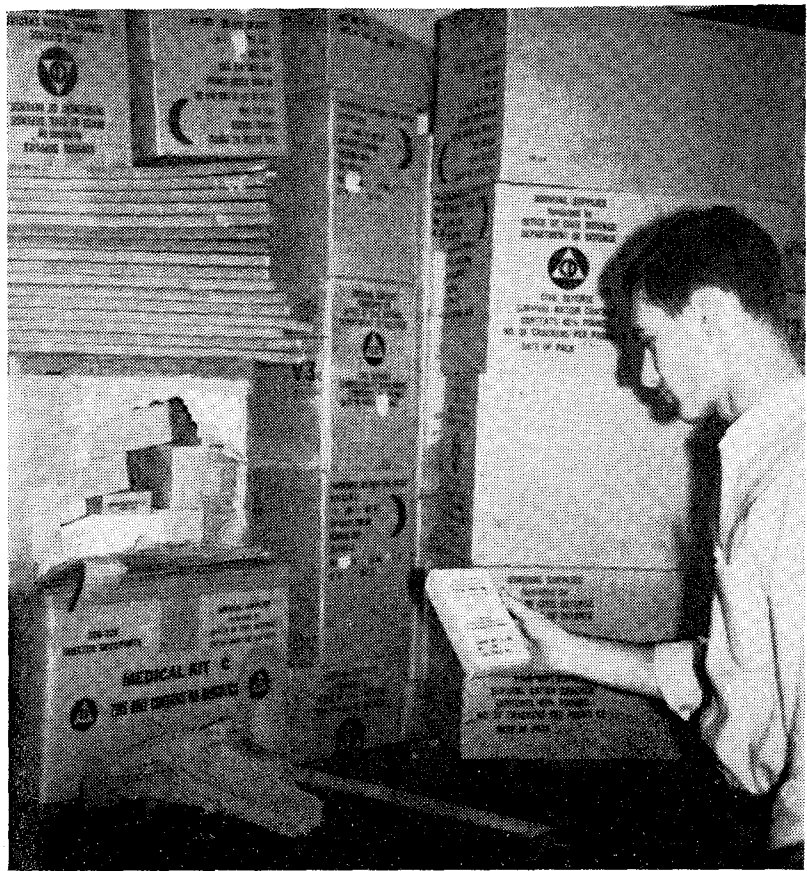
Proof:

31 OCT = 25 DEC

Volume LXVII.

Pasadena, California, Thursday, January 13, 1966

Number 13



TECheditor Greenfeld returns to the scene of the crime. Note the close-set eyes indicative of the criminal character.

Students suspected

Medical supplies missing

Medical supplies stockpiled under the Athenaeum by the Pasadena Civil Defense were rifled to an unknown extent it was discovered Tuesday by Norton Greenfeld, *Tech* editor, and Paul Buus, Senior Safety Assistant. An inventory of the loss has not yet been taken, but at least one medical kit has been broken into, and several boxes of food supplies may have been stolen.

Since both soot-covered and clean packages have been exposed by the thief or thieves, it is suspected that pilfering occurred both before and after the Great Thanksgiving Fire, which covered the storage room with a thin blanket of soot. An inside job is therefore suspected, and, in fact, some cracker tins and carbohydrate supplements were reported in one of the Student Houses.

Last year, too

According to the Safety Office, a large number of phenobarbital pills, some bottles of aspirin, band-aids, a paper blanket, a sanitation kit, bottles of highly potent penicillin, and some crackers were stolen last year. Even though the police and the civil defense were notified, an investigation uncovered no clues. The whole affair was kept quiet, then, because it was presumed to be unconnected with the campus.

Students involved

This time, however, there is evidence that students are involved, and usually reliable sources indicated Tuesday evening that the Board of Control was interested in the case. On the other hand, Gordon Myers, chairman of the super-secret organization, was quoted as having "No comment." "And that doesn't imply anything either," he added in a moment of loquacity.

The Health Center stated that both penicillin and phenobarbital are prescription drugs. Phenobarbital may be habit-forming, while an overdose could be fatal. And many people have allergic reactions to penicillin. Neither drug should be taken without a doctor's supervision.

Concern over ignorant use of the high-potency-penicillin was expressed by the Safety Office. Because he probably doesn't know the correct dosages, anyone hoping to banish a serious disease with a strong wallop of the wonder drug may actually

aggravate it. Buus cited cases of men "in bed for years" as a result of just such a misguided attempt.

The Civil Defense supplies, of both food and medicine, are stored in an unlocked room at the Athenaeum end of the steam tunnels. There is ample opportunity for anyone to steal them, but they would become absolutely essential in case of an emergency. Caltech's campus with its system of steam tunnels is considered an ideal shelter during a disaster, and the honor system is relied upon to discourage theft of the potentially priceless supplies.

Civil Defense estimates 6,000 Pasadenans could be sheltered on campus and there are enough supplies for that many people.

Debate team takes eighth at Stanford

Last Thursday through Sunday Caltech's varsity debate team attended the Stanford Invitational, facing competition with top teams invited from schools across the nation. The entries included Vermont, Georgetown University, Dartmouth, Pittsburg (Penn.), and Oklahoma State. Each team participated in six rounds of cut-throat power-matched debate especially designed to quickly reduce the ranks of the undefeated by matching winners against winners after each round.

Caltech's entry of Fred Lamb and Dave Close survived unscathed until the fourth round, defeating Stanford, Nevada, and Oregon, in order, before losing to Stanford (in a rematch) and Arizona. But Caltech came on strong to defeat highly-seeded Oklahoma State in the final round, and finished in a tie for eighth place on the basis of win-loss with a 4-2, in the field of 44 teams.

Caltech will next enter nationwide competition in the USC-Loyola Invitational, January 28-29, at the University of Southern California.

Candidate speaks to YR's

George Christopher, Republican candidate for governor, spoke in Dabney Lounge Tuesday evening as the first in the CIT-Oxy Young Republican Forum. A large contingent of Oxy students and Pasadenans mixed with Teckers to meet Christopher personally before the speech.

The former mayor of San Francisco began by praising Caltech for its specialized education as opposed to the mass education offered by large public institutions. Many times during his presentation he returned to the subject of colleges, particularly the participation of college students in protest demonstrations. He postulated a difference between "free speech and common, ordinary loose talk." Present Governor Brown was criticized for encouraging a lawless atmosphere by stating in a speech at

UC Santa Clara, "Thank God for students who march and get hauled off to jail."

Unemployment higher

Christopher at one point echoed Ronald Reagan's announcement last week by pointing out that California's unemployment rate is about 50 percent higher than the national average. He disagreed with Brown that local offices should be partisan (they are currently non-partisan) saying that local issues don't involve ideological issues. On the bracero controversy, he expressed a desire that California Agriculture Department be on a cabinet level "in fact as well as name."

At many times Christopher emphasized that Republicans care about all the people. He reminded the audience that as San Francisco County Supervisor he proposed and enacted the coun-

ty's first Fair Employment Practices law even before the state's.

At the opening of the program, Dave Close, Caltech YR Executive Veep, announced the next two speakers in the monthly Forum. County Supervisor Warren Dorn will appear at Oxy in February (exact date yet to be announced). On March 3 Dr. Max Rafferty will talk in Beck-

Bacher outlines goals

"Caltech does not want to be an institution, but the institution," explained Dr. R. F. Bacher in the opening address of the winter season of the Caltech Lectur eSeries last Monday night at Beckman Auditorium. Bacher, Provost and professor of physics here, outlined Caltech's goals and achievements in his lecture, "Where is Caltech Going."

According to Bacher, the means Caltech has been successfully using to achieve these goals have been high selectivity and emphasis on research. Over the last 10 years (1955-1965) the number of undergraduates has increased at a rate of only 1.5 percent a year, while graduates have grown nearly four times as fast with a 5.3 percent annual increase. The number of post-doctorate fellowships top the increase tables at 5.6 percent, but faculty lag somewhat with a 3.4 percent annual increase.

Frosh get smarter

Although the selectivity of frosh has remained relatively constant from 315 acceptances of 1165 applications in 1955 to 300 acceptances out of 963 applications in 1965, the average frosh has been getting smarter, as SAT's clearly show.

Bacher continued to explain that while the sciences will always have precedence, Caltech has been giving more attention to the humanities division. In addition to the newly created options in humanities, a name change from the Division of Humanities to the Division of Hu-

manities and Social Sciences has taken place.

Besides outlining the past achievements of Caltech in research in all divisions, he gave an outline of the future growth of the Institute. The major physical growth will be north of San Pasqual and south of Del Mar and will include the new Steel EE building and a chemical physics laboratory for planetary science, the latter building being located northwest of campus. The usual slides were shown (a la frosh camp) to elucidate these changes.



Dr. Bacher tells his Monday night Beckman audience where Caltech is going.

South American specialist voices disturbing observations

by Lamb

Dr. Richard Patch, AUFS specialist on Bolivia and Peru, was invited to discuss with a small group of students "The Search for Revolution in the Andes," under the auspices of the Y last Tuesday evening. In the course of his remarks, Patch offered an interesting analysis of revolutions in Latin America and some disturbing observations about Caltech students.

During his week-long close and constant contact with Caltech students, Patch has found an unexpected disinterest on the part of students in events outside the university, the state, and even more in events outside the US. According to him, students here have not even kept pace with students at other universities with which he is associated, in developing interest and understanding about the "outside." He finds this an unfortunate situation for an institution which is educating the leaders of tomorrow.

As an example where misunderstanding and a lack of knowledge has created a dangerous situation, Patch cited the change which has come about during the past 2-3 years in the Alliance for Progress. What started out as a true partnership has become merely a vehicle for the imposition of US interests in Latin America. The emphasis has shifted from technical assistance and aid to military assistance, in an effort by the administration to "arm the people to resist outside subversion."

US aids guerillas

But the real danger lies within, in the existing social, political, and economic structures of the countries. And in fact substantial quantities of US military hardware fall into the hands of guerillas in the highlands who are fighting the existing government. Consequently a policy which was designed to stabilize the current governments has had the opposite effect. Much

(Continued on page 3)

Editorials

The best of '65

It gives us great pleasure to present the following awards to certain meritorious individuals here at Caltech:

Most gung-ho organization of the year: to the Totem staff and editors, who get a beaver stuffed and suitable for framing.

Most apathetic organization of the year: to the Beavers, who get a Totem stuffed and suitable for framing.

Reddest face of the year: to the security guards who failed to check the steam tunnels during Princess Margaret's visit—they get a lead statue of Kenn Kamm wearing a bullet-proof vest.

Mothers of the year: to Mrs. Louise Hood of Winnett Student Center, who gets an artificial limb for bravery and service beyond the call of duty in alligator sitting; and to Mrs. Ned Hale, who gets a parking space and post.

Purple ear of the year: to B&G for keeping Olive Walk free of Aardvarks.

Most genial abbot of the year: to Dr. Robert Huttenback; friar Huttenback receives the "sounding brass" metal sculpture between Booth and Steele, for his promoting of cultural enrichment and patronage of the arts among Caltech men.

Promotionalists of the year: to the Institute Committee on Assemblies and Programs and to the Beckman Ticket Office; these agencies get Beckman Auditorium for the best Institute assemblies and programs of the year.

—Tim, Norton, Bob

Tech escapes debt

The California Tech enjoyed a marvelously successful calendar year financially, business manager Stuart Galley reported to the ASCIT Board Monday night. A tally of the Tech's assets and liabilities showed a balance on 1 January of \$481.30, or about \$445 above the balance of a similar report at this time last year.

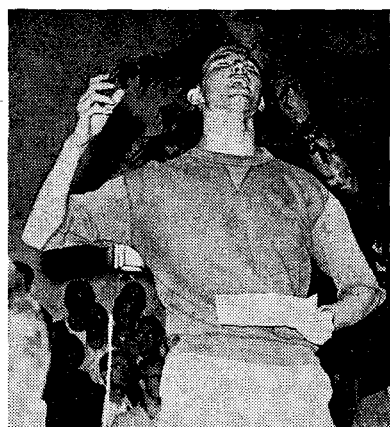
The net income for first term is even more marvelous, being estimated at \$758, or about \$69 for each of the 11 issues. This figure does not include \$54.10 spent to publish the Feynman extra of 22 October, which would make a slightly smaller net income figure if it were included.

Those who were elated on 10 December, 1964, when Galley's predecessor, J. C. Simpson, reported that the Tech had finally emerged from its three years of indebtedness may be saddened to learn that the black figures were anything but permanent. Indeed Simpson picked the best possible time of year to make that report; the Tech's financial balance varies by as much as \$1200 during the year, and a tremendous amount of advertising revenue during first term gives the Tech its best status around 1 January. The revenue slackens off during second term, and by third term almost every issue loses money, until the Tech languishes in debt all through the summer.

The positive balance of one year ago was a milestone of sorts, since three long years had passed since that had last happened, but the Tech promptly went back into debt during second and third terms, to the tune of \$68.45 on 26 April, \$386.43 on 15 May, and as much as \$783.97 when all bills were in by 1 September, 1965. As a result of the first-term income, next summer the debt may not be more than about \$350, and by next 1 January the Tech may be out of debt for good, sinking only to a low positive balance during the summer.

THE CALIFORNIA TECH	
Statement of Finances as of 1 January, 1966	
ASSETS	
Cash on Hand	
Bank balance	\$ 53.71
Undeposited checks	57.88
Petty cash	50.69
Accounts Receivable	
National ads	1762.60
Local ads	109.92
Students' Day	55.60
Total Assets	2090.40
LIABILITIES	
Accounts Payable	
Bickley Printing Company	476.43
Crown Photo Engravers	8.11
Alvin's Photo Supplies	4.62
Institute (est.)	81.00
Bookstore	18.52
Ad Commissions	
National agency (est.)	587.50
Business Manager (est.)	432.92
Total Liabilities	1609.10
Present balance	481.30

Overcome with emotion, TECH business manager Stu Galley announces to ASCIT Board that the TECH is again finally out of debt.



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Dr. Brooks to moderate at ACLU meet

Caltech professor Dr. Norman H. Brooks will moderate a panel examining "prejudice," highlighting the January 21 meeting of the Pasadena Chapter of the American Civil Liberties Union. The discussion will begin at 8 p.m., in the McKinley Jr. High School Auditorium, 325 S. Oak Knoll, Pasadena. It will be followed by an audience question period.

The discussion will examine prejudice in historical and sociological contexts, and will attempt to evaluate its impact in the Pasadena area. The four members of the panel are Dr. Isidore Ziferstein, Los Angeles psychiatrist and author; Dr. Jerome Wolf, Pasadena City College history professor and the College's Human Relations Committee advisor; Lee Browne, Blair High School Chemistry instructor and advisor to the Pasadena CORE; and John P. Lyons, assistant executive director of the Los Angeles County Human Relations Committee.

Caltech had a chapter of the ACLU, but it has been inactive for some time. President of the Pasadena Chapter is Dr. Jack Lebowitz of the chemistry department.

Leftist criticises US policy

Editors:

As of now, there are some 200,000 United States troops in South Vietnam. Though the bombing of North Vietnam has been temporarily halted, more than 1,000 tons of bombs per day are being dropped on suspected Viet Cong targets in both South Vietnam and Laos. New threats of escalation are being heard.

Foreign policy morass

In the midst of this crisis, the foreign policy of the United States in Southeast Asia is a morass composed of past errors, poor military judgment, and just plain wishful thinking. As an example, consider the presently-suspended bombing of North Vietnam. It was originally begun with two objectives in mind: halting the flow of manpower and materiel from North Vietnam to the Viet Cong in the South, and forcing North Vietnam to the conference table. Neither objective has been accomplished.

Despite more and more bombing, the flow of men and supplies, almost nonexistent when the bombing started, has according to our commanders increased; while at the same time, instead of forcing Hanoi to the conference table, our air raids—which are, after all, violations of international law—have strengthened the hard-line pro-Chinese faction

in Hanoi, who are opposed to all negotiations with the "American imperialists."

In the South, we are fighting a land war among a population of whom, it is estimated, 70 to 90 percent are opposed to our actions. We are fighting this war on the doorstep of the largest land power in Asia, the worst possible place to fight such a war. We have, in desperation, resorted to tactics of warfare unworthy of a great power like the United States: the indiscriminate fire-bombing of native villages with napalm and white phosphorus, and the chemical destruction of over 100,000 tons of rice are only two of many examples. And all of this action has been in violation of international law, as unilateral military activity in violation of the United Nations Charter and the Geneva Accords of 1954, as well as in violation of Article I, Section 8 of our own Constitution, which clearly assigns Congress, not the President, the power to declare war. No such declaration has been passed, and thus the Constitution has been illegally short-circuited.

Honorable solution

But despite all of these problems there still is an honorable solution to this crisis, for there still exists a powerful organization for the settlement of just such international disputes: the United Nations. A phone call from President Johnson to U Thant today will set the entire apparatus of arbitration in motion tomorrow. Both the Security Council and the General Assembly should be summoned. A clear call for a general cease-fire by President Johnson should accompany this stroke for peace.

If negotiations could be gotten underway, US troops could gradually be replaced by an international peacekeeping force, as was utilized in the Congo and in Cyprus. The content of these negotiations, which should include all parties to the dispute, including the National Liberation Front, would be the political resolution of the dispute. The most just way to accomplish this would be the neutralization of the country and its reunification under UN-supervised elections in the spirit of the 1954 Geneva treaty. This is the lawful and honorable way out of the crisis. It is the solution that I propose.

Mike Farber

Scientists study drunk monks

Science is bitchin'. In what other profession could you get paid for sitting around watching a bunch of drunken monkeys? Dr. Frances Fitz-Gerald and her associates did, and also had the honor of presenting their paper on "Vountary Alcoholism in Orangutans and Chimpanzees" to the American Association for the Advancement of Science's Christmas meeting at Berkeley.

Their experiments investigated the preference of 41 chimpanzees and 20 orangutans for various fruit juices and alcohol fruit-juice mixtures, their preferences for ethanol or vodka, and their ranges of ethanol and vodka consumption and patterns of imbibing.

All of the apes preferred plain fruit juice to alcohol-fruit juice mixtures; according to the research group, they also preferred orange juice to grape or grapefruit juice. They readily detected the presence of ethanol or vodka in the fruit juice solutions and when alcohol was present in the fruit juice, they preferred it mixed with grape juice. The probable reason is that grape juice masks the taste of alcohol more effectively than orange or grapefruit juice.

As in humans, striking individual differences in tipling were noted. None of the orangutans became intoxicated, but more than half of the male chimpanzees drank enough alcohol to become intoxicated at least once. Only a fourth of the females showed signs of intoxication. (Lechers take note.)

Evidently, gin sponges exist among the primate population also, since of the seven males that got loaded at least once, one became intoxicated eight times.

A 15-minute film about the experiment was part of Dr. Fitz-Gerald's presentation. It featured a 10-year-old chimpanzee

named Went. He drank 18 ounces of vodka in grape juice in 15 minutes, and, although he wobbled and, in three hours, fell on the floor of his cage, he never did pass out.

Summing up their observations of the apes, the investigators concluded, "... there may be some fundamental differences between man and the chimpanzee in the manner in which alcohol is absorbed and distributed."

[Note: For the protection of the innocent the institution which sponsored Dr. Fitz-Gerald's research has not been revealed.—Editors]

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**DEAR BIG O,
I'M PREGNANT.**
— P. BEAR

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Notices

HUBBARD ON THE DRAFT

At the Caltech Christian Fellowship meeting this Friday noon in Chandler, Dr. David Hubbard, president of Fuller Seminary, will speak on "Students, War, and the Draft." His discussion will present the relevance of the Bible to one of the principal problems facing today's student. All are invited.

WATTS' REPORT

The Rev. James Edward Jones of the McCone Commission, LA Board of Education, and the Westminster Presbyterian Church will speak on the McCone Report and make an antipoverty proposal Sunday, Jan. 16, 1:30 p.m. at the 1st Unitarian Church, 2936 West 8th Street, LA. Tickets at the church or Du 9-1356, \$1 (students 50 cents).

CHESS TOURNAMENT

Organizational meeting for the annual chess tournament will be held in 101 Dabney at 7:15 p.m. Tuesday, Jan. 18. Those interested who cannot attend, contact Terry Warren, Fleming.

To the readers and admirers of "The Fountainhead" and "Atlas Shrugged"

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How many move off, flunk out?

by Middleditch

As the first term passes with all of its horrors, a certain number of malcontents, after sizing up the general situation which exists here at Caltech, decide to take a chance on the grass being greener elsewhere, and move off campus. About 30 Teckers took this action this term for a wide variety of reasons, the obvious ones being: the 12:30 women rule, the expenses of staying on campus, the noise and distractions, and not being able to stand one's roommate, alley, or House.

Of the 30 movers the sophs make up the largest group, numbering 14. The juniors came in second with nine defections, the seniors were third with four deserters, and finally came the three freshmen who could hack only one term in the monastery.

Dabney is the House voted most likely to be emptied, with some 11 students moving off campus. This was such a large number that "Pappa Doc" Huttenback decided it was a "geographically possible, temporary expedient" to assign four rooms of Dabney for the use of relatively crowded Blacker House. It is probable that these rooms will revert to their original standing next year.

Blacker had four move off campus while Ruddock had nine and Page had three flee to quieter surroundings. Fleming had two frosh high-tail it while Lloyd and Ricketts tallied no deserters, much to the dismay of the members in those Houses wishing for singles.

This exodus from campus usually occurs around this time every year and means neither a particular high level of malcontentedness, nor the lack of the same.

The musical serenade played ad nauseum every morning of finals week stems from the Nordic mythology where warlike virgins (!) ride down out of the sky to carry off the souls of the battle-slain to Valhalla. Although there may actually be some warlike virgins in the Dome of Throop, this is not the way students usually leave Tech. The attrition rate falls into several categories: those who flunked out; those who quit and transferred, or took a leave of absence; and those who simply left.

After the interlude between first and second term, there were three frosh who decided they'd had it, all of these leaving of their own will. Likewise, the Sophomore Class lost three non-returnees, while grades made another two ineligible to return.

Down the tubes

These statistics, however, are obscured by the fact that in a few cases, students in no academic trouble decide to quit before taking finals, thus officially flunking out.

The junior flunkouts last term totaled four, against two who left voluntarily, while the seniors had three flunk and one leave.

The attrition rate seems to be concentrated in no particular House, with the extremes being Ruddock with two flunking and two leaving, and Page with none of either category.



by Shup

The Ice House Pasadena has done it again. In this writer's opinion it remains the best entertainment bargain in the Los Angeles area. The present show, like most others, has brought in entertainers with the talent to go places.

The show for the month of January leads off with Carmen Cristina, a great voice backed by flawless traditional and Spanish guitar work. Her songs for the most part are Spanish and Mexican ballads sung in English or the original tongue and in some cases both.

Oy, muchacho

Her voice and stage presence put feeling and meaning into even the most incomprehensible Spanish or Hebrew, which she also understands in an interesting multi-lingual medley of children's songs. Her Latin guitar and vocal stylings provide new entertainment out of such familiar American folk songs as "Old Coat" and "I Never Will Marry." Carmen Cristina's vocal and guitar artistry provide an excellent beginning to a great show.

The second act successfully

meets the challenge of the quality of the first. The comedy duo of Dick Clair and Jenna McMahon is original and very funny. Miss America will probably never recover from the treatment these two give her. If you have ever thought of letting a computer select your mate, see this show before committing yourself. And what did Snow White do for so many years with those seven little men? These sketches and an "Ode to a Nymphomaniac" are enough to put laughing pains in your sides.

New strings

Headlining the show is Casey Anderson. He returns to the Ice House with the voice that has won him a considerable following throughout the nation but with a new guitar. Casey has apparently traded in his traditional Spanish guitar for a new electric model. However, his expert handling of this instrument brings forth music, not the noise normally associated with it.

This new background to such familiar folk songs as "Don't Think Twice" somehow does not make them any less "folksy," and

(Continued on page 5)

Latin American specialist warns against self-sufficiency

(Continued from page 1)

of the difficulty in this case stems from lack of understanding of revolution in the Latin American context.

Most revolts in Latin America merely signify another phase in the rotation of the power structure, without any significant changes in the structure of the society, the self-image of the people, their attitudes, or the distri-

bution of wealth. Bolivia alone has had 180 of these since its war for independence 141 years ago, according to a well-known newspaper. Only 3 countries have experienced revolutions in the true sense, with profound changes in the lives of the people. Such a revolution began in Mexico in 1911 and is not yet consummated. Similar revolutions have occurred in Cuba, where results cannot be evaluated, and in Bolivia, in 1952.

Among the three, the Bolivia revolution was relatively bloodless, and did not produce extremes leading to lasting rancor among the people. The political

and social structure and economic relationships changed irrevocably. Social mobility increased, suffrage was extended, and perhaps most important of all, the people's self-image as Indians (with all the attendant degradation) was changed to that of rural folk, without ethnic distinction.

Significant revolution

The unusual revolution in Bolivia, with its meaning for other under-developed nations, is something to be studied and understood if we are not to become even more involved as we almost did in Cuba and as we are in the Dominican Republic and Vietnam. In the final analysis, US resources are limited. If we continue in the pattern of the past we are bound to exceed our resources, and even greater, we will have exceeded our understanding.

While we here at Caltech attempt to push our understanding beyond the galaxies, if we do not know the people with whom we must associate, we may find ourselves at war with them in spite of our best intentions. Patch feels that many Caltech students, who think that acquiring a certain body of knowledge which can be obtained here will be sufficient in itself, are dangerously deluding themselves. They will make the decisions tomorrow and they must prepare for this.

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BUSINESS SCHOOL APPLICANTS

Any student interested in graduate education in business, for either an M.B.A. or Ph.D. degree, is invited to meet with Mr. Paul Johnson of the Stanford Graduate School of Business on January 18, 1966. Appointments should be made through Dr. Donald S. Clark. The M.B.A. Program, in particular, is designed for majors in liberal arts and humanities, science, and engineering.

From Other Campuses Totem roars toward press

by Smutty

by Smutty

In the Tuft's University **Weekly** we note a bitter, complaining letter by an English grad student discoursing on the injustice of Tuft's one-year science requirement. Being forced to take one year of science, maintains G. J. Sadock, is both constricting and valueless to many humanities majors. Pointing out that Tuft's undergraduates are allegedly able to make their own decisions about their college career, he opines that in this one respect administration is treating them not as the "sufficiently logical, quantitative, and empirical" individuals that they are, but rather as babies who have to be told what is for their own good. Tough, really tough. He thinks his science requirement is bad?

Purdue, too

The Purdue **Exponent** carried the news that at least 14 of some 41 students who participated in a sit-in at an Ann Arbor, Michigan, **Selective Service Office** have lost their 2-S deferments and may possibly face immediate induction. Although some draft board members expressed reluctance to take action against the demonstrators, Col. Arthur Holmes, Director of the Michigan Selective Service System, has suggested that the demonstrators be penalized for interfering with the operation of the Selective Service System and predicted that at least some local boards will "expedite the immediate induction of some of these students." The University of Michigan, which the majority of the demonstrators attended, expressed the hope that the draft will not be used as a weapon to suppress opinion. Not too cool.

Progress?

The Notre Dame **Scholastic** carries a note lifted from Georgetown about the Rev. L. McHugh, S.J., who has declared a one-man war against the "evils inherent in the unlimited cut-privilege." The privilege was recently granted to upperclassmen at Georgetown. Fr. McHugh has announced that he will supplement his classes with stimulating roll-calls and "the unleashing of sudden-death pop quizzes," designed to provide the maximum screw with a minimum of effort. We salute the Rev. McHugh's firm stand against progress, and devoutly hope that none of our faculty members go getting any ideas from this.

Absolutely free of charge, in a brown unmarked package, any

interested party can acquire a leaflet from the National Coordinating Committee to End the War in Vietnam stating that Jesus Christ wouldn't carry a draft card. I guess they ride around on donkeys, too.

"Should a gentleman offer a lady a Tiparillo?" asks the Associated Collegiate Press. "By all means," claim the sweet young things of Texas Tech. Why? It's simple, according to one coded, "They last longer, taste better, and you don't have to inhale to get full satisfaction."

Ed. note: The following was snatched off Smutty's typewriter by a daring editor as the author lay in a stupor, and is included to give you some idea of the depths such a man can sink to.

According to the Kalamazoo **Pile** the campus pharmaceutical labs have taken to turning out birth-control pills for use by male undergraduates. According to Doctor James Farder, head of the labs, the action was taken in response to complaints

(Continued on page 7)

by Steve Alfin

Response to **Totem's** plea for material has been massive to date. The first issue will go to press as planned early in February.

Totem will be a professionally-printed, digest-sized magazine. It will contain approximately thirty pages of poems, stories, essays, and photographs. Although the first issue will contain no advertising, this measure is being contemplated by **Totem's** editors to help defray printing costs. At present, **Totem** is supported by ASCIT and the Humanities Department, copies being distributed free to all undergraduate students and contributors.

Contents of the maiden issue will be varied; among the material selected for publication are included poems by Mike McLeod and Larry Shirley, essays and short stories by T. C. Williams, Mike Heinrichs, and Chris Dede; a song from a forthcoming student musical production; photography by Dick Rubinstein; fine drawings by Ed Seguire; and more.

Nervous conference held here

How invertebrates such as the octopus and crayfish learn and behave were among the topics discussed at an international conference on invertebrate nervous systems held at Caltech January 10-12.

The meeting, attended by more than 30 world authorities on the subject, was organized by Dr. C. A. G. Wiersma, Caltech professor of biology, and was jointly sponsored by Caltech and the National Institutes of Health.

The meeting's reason for being, according to Wiersma, was that "obtaining answers to questions regarding the function of invertebrate nervous systems gives us clues as to what questions to ask in studying the more complex nervous systems of mammals."

Seated in 102 Steele, a new luxurious super-lecture hall in the still incomplete building, the scientists heard talks on how nervous systems respond to information, coding systems and their mechanisms, the importance of nervous system development, and the importance of rhythms.

The high point of the conference came Wednesday with the talk, "The Octopus Compared to

the Mammal," by Dr. J. Z. Young, eminent anatomist from University College, London. Speakers from Caltech included Drs. Wiersma, Anthonie van Harreveld, Felix Strumwasser, and Roger W. Sperry, professors; and Drs. S. K. Malhotra and Marvin Lickey, research fellows.

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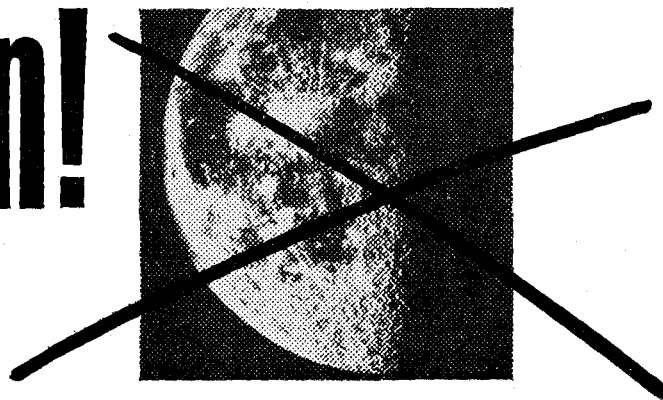
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ASCIT bulletin board

by Fred Lamb
ASCIT Secretary

Among the most important items discussed last Monday evening at the first ASCIT Board meeting of the term were the following:

Logan has chosen the World University Service, Planned Parenthood, and the Los Angeles County Heart Association as the three charities for this year's drive, January 24-29. An award banquet will be served to the House with the highest average contribution. Graduate students will be assigned to each of the houses; they will not add to house membership in computing the average, but their donations will be added to the house total. Off-campus members will be considered as regular members.

Social events for this term in-

clude an All-Campus Exchange this Saturday, January 15, and the ASCIT Snow Party, February 11-12. Each person will be charged \$2.50 (\$5 per couple) for lodging at the Snow Party. Meal arrangements are being worked out now.

The Board received a letter from the student body of Harvey Mudd suggesting informal 8-man football games between the classes of the two schools, to be held at Caltech. The Board recommended that two games be held immediately after Interhouse football season with players selected as all-star frosh-soph and junior-senior teams; intercollegiate athletes should be ineligible. The letter and recommendations were sent to the IHC for immediate action.

Frets and frails

(Continued from page 3)

as a background to poetry and country and western songs it proves fantastic. Maybe it is the rich folk quality of Anderson's voice that keeps the music faithful to the cause or maybe it is his handling of the instrument alone, but whatever, the new guitar fits well into his program and adds a new and interesting sound.

Cheap at half the price

With such a show as this for the low price of \$1.25 per person on weeknights and \$1.75 on weekends, the Ice House has got to be a bargain. The Ice House Glendale (with the same prices) also has an interesting show for this month. The two act show features the "folk-rock" group The Deep Six and Fred Thompson, "the man who put fun back into folk singing."

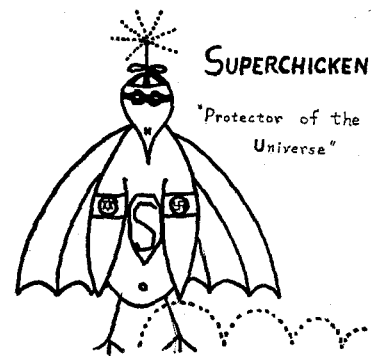
Arfwhistle Award given

by Al Fung

Let it never be said that perseverance goes unrewarded at Tech. It has been brought to our attention that in 1937 a little-known chair, the Nardinger Arfwhistle Chair of Dynamic Dietetics was established by its namesake, Dr. Lionel Bemis. This honorary post carries with it an annual stipend of \$37.50. For some reason this bequeathal has gone unnoticed by the school for twenty-nine years, but the time has come to drag it out, dust it off, and present it to the man who has lit a fire in the hearts of all of us, never to be extinguished save by a glass of bicarbonate. For longer than we care to think, this man has been supervising the preparation of what we at Caltech have come to know as "food." I nominate for the Arfwhistle chair our own chef de

cuisine supreme, Ed Doon.

The more one thinks about it, the more fantastic it is that such an honor has not already been bestowed upon this man. When Ed Doon came to Tech on a drizzly Wednesday seventeen years ago, he found incompetence, stupidity, wastefulness, and dyspepsia—the food was inedible; service was atrocious. ED DOON HAS NOT LET THIS



TRADITION DIE! When meals were at their most tasteless and it seemed that the food could not be worse, who proved everyone wrong with the introduction of the Chocolate Latex Cake? And who can forget his infamous Spaghetti Brown Betty? It is time we acknowledged the work of this saint of the saucepan, this clutz of the kitchen.

Why, you ask? Why assign to this prestigious position a man with a record such as Doon's? Elementary, our dear reader. The Nardinger Arfwhistle Chair is an honorary chair. As recipient, Doon will be removed forthwith from his present post and assigned new duties. These were not specified by Bemis, but mightn't the administration take its cue from the Mikado of Japan and assign "something lingering, with boiling oil"?

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SPORTS

Hoopsters lose two

Despite valiant efforts of the basketball players, the team's record has been steadily worsening since vacation. The team has been playing stronger teams, and the competition has been too stiff.

The SCIAC league play began with a game against Pomona, the pre-season favorite in the conference. The Beavers, though still suffering from the two-week vacation lay-off hustled all throughout the game and managed to stay close to a stronger opponent. The whole team was shooting well, and at times threatened to catch up with the Sagehens. Unfortunately, they could never make it, and so went down to a 78-55 defeat.

Cold shooting

On Tuesday, Caltech's shooting suddenly turned cold; the Beavers lost badly to an Oxy team which is weaker than Pomona's. The game could have been close, except for the fact that Tech couldn't hit either from the floor or from the free-

throw line. This game marked the return of John Tucker into the lineup. He is still somewhat weak from his illness, but should soon be in full playing shape.

Meanwhile, the frosh haven't been faring too well either, although they have improved tremendously since last term. They have lost all their games, but have improved with each one. They will supply several fine players to the varsity next year. George Fox is the scoring leader, averaging almost 23 points a game. Lonnie Martin and Tom Burton have come along fast since joining the team; each is averaging around 10 points a game.

Blacker forfeits softball games

Blacker House, following a path of incredibly bad luck, has started the new term by losing two more Interhouse softball games. After being deprived of a sure third place finish in swimming, Blacker was informed last week that Guy Jackson, a fifth-year student, refused to register for the classes he took first term, and as an unregistered team member he was ineligible to play. By playing in all the games, Jackson caused Blacker to forfeit both of its previously attained victories.

These newly achieved triumphs for Page and Ruddock move Page into a first place tie with Ricketts for Interhouse softball and a tie with Fleming for the lead in total points. The standings, including Interhouse swimming, are:

Page	34½
Fleming	34½
Ricketts	28½
Ruddock	27
Dabney	25½
Blacker	9
Lloyd	9

Jackson has returned again this term. Let's register him!

Next week in sports

VARSITY BASKETBALL			
Sat.	Jan. 15	8:30 p.m.	C-HM at Claremont
Tue.	Jan. 18	8:30 p.m.	Whittier at Whittier
FROSH BASKETBALL			
Sat.	Jan. 15	6:30 p.m.	C-HM at Claremont
Tue.	Jan. 18	6:30 p.m.	Whittier at Whittier
WRESTLING			
Sat.	Jan. 15	2:00 p.m.	Pomona at Caltech
Wed.	Jan. 19	7:30 p.m.	Whittier at Caltech

Computer club active

The Caltech Computer Club is underway. At the organizational meeting last Thursday a group of students, under the leadership of temporary chairman Dick Hackathorn, formulated the club's purpose: to represent student interest in the Computing Center and to act as a clearinghouse of activities and information for students relating to the computer.

Several possibilities were discussed, such as computer time for club members, special projects and tours. Dr. Fred Thompson, professor of applied science and philosophy, and faculty sponsor of the club, mentioned that the club will be an excellent op-

portunity for selfish purposes. A committee was then formed to draft a constitution.

The next meeting will be held at 7:30 tonight in 201 Booth. As a vanguard for anti-discrimination, all undergrads, grads, and faculty are cordially invited. The meeting will consist mainly of a lecture and demonstration. Mr. Steve Caine, senior systems programmer at Caltech, will describe our new System/360 computer from the viewpoint of the students. Mike Mahon, a graduate student, will then demonstrate a program for data analysis on the CRT display consoles.

BASKETBALL STATS

CALTECH			POMONA		
G	FT-A	T	G	FT-A	T
Pearson	5 0-0	10	Schloming	3 2-2	8
Jubin	2 1-2	5	Langmard	2 2-3	6
Yudelson	2 5-8	9	Jackle	0 1-2	1
Bruns	6 1-2	13	Bagby	11 1-1	23
Hsi	3 1-1	7	O'Brien	4 1-2	9
Blair	1 0-1	2	Miller	0 0-1	0
Fishbone	0 0-0	0	Irvine	3 1-4	7
Stanley	2 1-2	5	Tarlow	7 2-4	16
Holford	1 2-2	4	Venne	4 0-0	8

TOTALS 22 11-18 55 TOTALS 34 10-19 78

CALTECH			OXY		
G	FT-A	T	G	FT-A	T
Pearson	2 3-4	7	Hunter	3 2-4	8
Jubin	1 0-2	2	Easthope	1 0-0	2
Yudelson	4 0-3	8	Engvall	10 5-7	25
Potter	1 3-7	5	Fenderson	4 0-0	8
Tucker	1 1-2	3	Herron	4 5-8	13
Bruns	4 9-16	17	Sears	1 2-4	4
Hsi	0 3-3	3	Mallory	1 0-1	2
Holford	3 2-2	8	Brackney	4 1-2	9
Stanley	1 1-2	3	Kerber	1 2-2	4
Blair	1 3-3	5	Ward	2 0-0	4
			Paulsen	4 1-2	9
			Maunder	1 2-2	4

TOTALS 18 25-44 61 TOTALS 36 20-32 92

Discobolus battle won by Fleming

The Big Red of Fleming have started to creep up on the Lloyd powerhouse, as the Flems doubled their Discobolus winning streak to two over the weekend.

Fleming dribbled over Ricketts 42-27 in a basketball game played in the local gymnasium. The Flems, having a great height advantage, completely dominated the boards, and even the Rowdies' fine shooting couldn't make up the difference in rebounds. With Mike Saulny and Cliff Tedder leading the attack, last year's Discobolus champs were never bothered by the Ricketts hoopsters.

Blacker has now challenged Fleming in swimming, billiards, and badminton; it looks like the struggle will be decided over the pool table if everything goes on cue.

The Discobolus point totals now show Lloyd still comfortably ahead with 19. Fleming follows with seven, and straggling along behind are Ricketts with two, Page, Dabney, and Blacker with one each, and Ruddock with a big zot.

Conformity isn't exactly an old American custom.



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American Airlines



—by Ettin

Quarterback Vance of Lloyd runs the sweep with blocking assistance from Bruce (left) and Williams (right). Eyler of Dabney is coming up to make the play, while Erickson is being blocked out.

Interhouse football begins, favorites Ruddock, Page win

by "Hunk" Balint

A couple of squeakers and two routs began the 1966 version of the Interhouse football season. Both the favorites, Page and Ruddock won, but Ruddock got a real scare from Blacker. Dabney squeezed by Lloyd, but on the next day Lloyd came back to annihilate Ricketts.

Darbs win

The games started on Monday with a match between Lloyd and Dabney. This game was an extremely close one. Dabney went ahead 13-0 early in the game, but Lloyd came storming back to score three times in succession. But they could make only one of the extra points. With only a few minutes left the Darbs, trailing 19-13, got their hands on the ball. Key passes from John Eyler to Allen Hartstein set up and scored the final touchdown to tie up the game. Then in the crucial play of the game, Hartstein came through to catch a pass for the PAT—point after touchdown—to

give the victory to Dabney, 20-19.

The Ruddock-Blacker game was also a thriller. Both defenses were very poor, so scoring was almost at will. Touchdowns were exchanged, with Blacker making more of the PAT's, so they led 27-25. The most exciting play was a kickoff returned for a TD by Blacker's Henry DeWitt. But Les Fetting counterbalanced this fine performance by passing for three TD's and running for two more. He passed to Greg Brewer for the final and winning score with only a couple of minutes remaining. Final score: 31-27.

As Monday's games were close, Tuesday's were routs. Lloyd's spread formations wreaked havoc in Rickett's defense, while the Scurvs could do nothing to mount an attack. Lloyd even managed to score a safety in running away to a 27-0 victory.

Flems fall

Fleming was considered to have at least some strength on its team, but the Page machine

completely took them apart. The Flems could score only once, and that was on somewhat of a fluke. Other than the long scoring pass, they could mount no threat whatsoever. Meanwhile, the Page attack, headed by quarterback Larry Brown and end Tom Resney scored with great regularity. Sticking to a basic passing attack, no razzle-dazzle, Brown completed 18 of 26 and four TD passes, three to Resney. The combination of a consistent attack and an excellent defense gave Page an easy 24-6 win.

Offensive year

This seems to be the year of the offense, if the first few games are any indications. The defenses, with the possible exception of Page, all are rather porous, and this is indicated in the phenomenal record of the quarterbacks. After one game each, Fetting of Ruddock is 11 of 13, Uyeda of Blacker is 13 of 22, Eyler of Dabney is 13 of 18, and so on. With this kind of potent passing attacks, it will certainly be the quality of the defenses that will decide the outcome of the games and of the season.

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Campuses and

(Continued from page 4)

by three Kalamazoo grammar schools that had suffered recently from pregnancy dropouts among their students. According to Farder, the pills can be manufactured and sold without a license since they are a radically new departure in the line of birth-control medication. Said Farder, "Conventional treatment" (Continued on page 8)

Playboy politics

That well-known political observer, **Playboy**, has once again brought out into public view some new points of interest. In a survey conducted among 1000 students, 200 faculty members, and 200 campuses, **Playboy** has discovered the political facts of life.

Reactionaries

If the college students were to vote right now (assuming they could vote) 55 percent would vote for a Republican candidate while only 45 percent would pick a Democrat. Of the Republicans, Goldwater's 11 percent of the ballots leads the group, with Lindsay taking 10 percent, Scranton 9 percent, Romney and Nixon tied at 8 percent, and Rockefeller, Hatfield, and Oher accounting for 4, 4, and 2 percent respectively.

On the Democratic side Lyndon Johnson took 29 percent of the vote, Bobby Kennedy had 12 percent, poor old Hubert Humphrey took only 2 percent, and George Wallace lost big with 1 percent.

Socialists

Of the faculty polled, 66 percent would pick a Democratic candidate and 34 percent would take a Republican.

Although this consensus is hardly a mandate for Democratic rule, 86 percent of the students feel that if the election were held today, Johnson would win, and 95 percent of the faculty concur.

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Big T meets deadline

With the halfway point of the school year approaching, the **Big T** is holding to its deadline schedules. A flurry of activity over the Thanksgiving holidays, with an extra bit of dedication from the staff, was successful in meeting the first of three deadlines.

Editor-in-chief Tim Stevens sprouted a few grey hairs when the Ricketts fire and the resulting power failure threatened darkroom activities, but good fortune overrode B&G efficiency and all operations were moved to

Get credits for attending talks

Where should our country be going, and why? The answers of the experts will soon be heard right here on campus. For this term the Caltech YMCA has carefully picked a series of ten speakers—not politicians but **thinkers**—to represent the whole spectrum of political conviction.

If you sign up (today is the deadline) with Mr. Robert Woodbury, instructor in history, in 14 Dabney Hall you will get 5 units of H 40 credit as well, for attendance at these lectures and minimal outside work. The first talk on "Socialism" is tonight at 7:30 in Winnett's Club Room No. 1, by Mr. Bernrad Shapiro, the trade union organizer, representing the Socialist Party.

Already scheduled are Mr. Nathaniel Branden, who will speak on Objectivism, and a representative of the Students for a Democratic Society. Branden will speak in Winnett Lounge at 11 a.m. January 26, and the representative of the SDS February 8 at 7:30 p.m. in Club Room No. 1.

More campuses

(Continued from page 7)

ments are based upon stopping the transmission of speam via the semen by halting the creation of sperm. Our pills, however, which we call 'Castaway,' have a total effectiveness which lies in a method so succinctly described by one of my students as 'wither and drop off.'

Winnett Center where power was restored.

Modernistic cover

The 1966 **Big T** will feature an eighteen page photographic essay of the campus and student life by York Liao. The cover design is yet to be chosen but the basic plan is to have the letter "T" provide the motif for a modern artistic design.

The second deadline looms at the end of January and will be made up mainly of the senior pages and club activities. Rather than picture a group of dead bodies standing at attention, the **Big T** hopes to picture various campus clubs in action. An attempt has been made to contact all campus organizations that should be included — any group omitted should present its case to Stu Davey in Ruddock House.

Understaffed but undaunted, Stevens commented, "As always, the **Big T** welcomes help from any interested students. It's a student annual, and its quality will depend on student effort. Especially needed at this time are people with darkroom experience, and those willing to give a few hours of time in typing."



Brewins



On the eve preceding the last Sabbath, the nefarious masked men of Diddly House, having been deprived of their more liquid ventures by the great white hunter, sallied forth to create havoc in the Outside World.

Loosely they eked up-campus, toward the abode of the great dirt pile. Here they performed a remarkable feat of levitation, raising the scale model of Millikan to unheard-of heights.

One day after these wonderous feats had astounded the world, the 69 masked renegades of Plumbing House sprang back into action, led by the ghostly Ghoul, and succeeded in creating a street out of the Greasy loading zone, leaving frustrated inhabitants of the Great Beyond detouring into the turn-around on Greasy Street.

Beak also reports the clamorous welcome-back party for Mike Salty, who was in danger for a time of leaving this beloved Institution. Much bortsch, potion of pleasure, was consumed, until the rooms flowed with inhabitants.

And from Bitcher House entails the tale of super, powerful, mighty big Big O. M. Béndem waged one score of Washingtons that Dig O subsist on nothing but tap-water for some three-fourths of a moon. Sublime gastronomic torture on the part of Brendom reduced all-powerful O to an excited state of gut surrender; heard Beak postwhile 120 hours that Day O yielded, a fast fast (by the infallible O equations: del-dot-food-density equals time-derivative of mass).

Beak reads in the December 4 **Christian Science Monitor**:

"Snake steak, anyone? It's the snake season in Hong Kong, and residents eat them at the rate of 4000 a day. The snakes, most of them supplied by Communist China, are considered a delicacy and health tonic by southern Chinese."

Wretching Beak warns studious Techmen when abroad . . .

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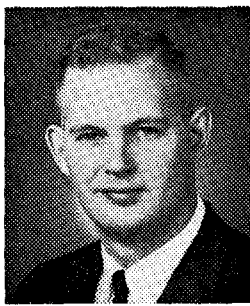
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Auto Banking Center at Colorado
and Catalina Office, 1010 East
Colorado and Citizens Commercial
Trust & Savings Bank of Pasadena,
hours: 9 to 4:30 daily; 9 to 6 Fridays

PASADENA
Head Office: Colorado and Marengo
Colorado and Catalina Office: 1010 E. Colorado
LA CANADA
La Canada Office: Foothill and Beulah

Citizens
Commercial Trust
& Savings Bank
of Pasadena

MEMBER FEDERAL DEPOSIT INSURANCE CORPORATION
MEMBER FEDERAL RESERVE SYSTEM