Finals

CaliforniaTech

Associated Students of the California Institute of Technology

Are Coming!!

Volume LXVIII

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Number 30

ACLU Calls for Denial of Grades To Draft Boards

From Releases

The American Civil Liberties Union recommended on May 14 that colleges and universities "cease, on their own, to make available to Selective Service information on grades and class

The civil liberties organization warned that academic values are perverted by tying military deferment to student grades and class rank. In such circumstances, grades take on a "life-anddeath significance which can only impair the whole educational enterprise," the ACLU said. "Selection of easy courses and institutions by students to maintain high class rank and thus assure military exemption further vitiates the academic process.'

Freedom

The Union's statement, adopted by its Board of Directors upon the recommendation of the ACLU's Academic Freedom Committee, climaxed a six-month study by the Committee on the civil liberties impact of academic cooperation with Selective Service regulations. The Committee's chairman is Professor Samuel Hendel, of the Political Science Department of the City College of New York.

In a five-point statement, the Union said that students' civil liberties are not infringed "when an institution of higher learning decides as a matter of educational policy to cease calculating class standing, or to do so and not report such data to the Selective Service." The decision not to cooperate with Selective Service is within the institution's right to make educational decisions intimately affecting the academic process, the ACLU said.

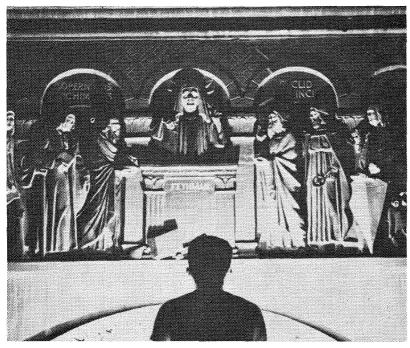
Rankling

The civil liberties group's statement was issued amidst the growing concern of colleges and universities throughout the country which have been questioning the soundness of using class rank as a basis for draft deferment. Leading institutions that have recently announced that they are discontinuing the practice of ranking students include Columbia University, Wayne State University, Haverford College, and Reed College.

Straight A's

In a related area, the Union took cognizance of the fact that several college teachers have recently made unilateral decisions to give all their students A's or no grades in protest against their institution's policy of releasing class standing to Selective Service. Commenting on this development, the ACLU maintained that, "If an institution has a known policy of grading, either written or implicit, in terms of employment, and if a teacher decides on his own not to submit grades, his action is not a matter of civil liberties concern."

While recognizing, therefore, that a teacher's action in refusing to submit grades may be based on moral grounds and analogous to an act of civil disobedience, Hendel said that it would not vitiate the university's authority to make and enforce its regulations.



One of the approximately 140 seniors and 148 graduate students consults the Oracle of Feynman as he prepares to receive his degree and enter the real world. After four or more years of nosing the grindstone, these degree winners will become potential members of the Alumni Association, and thus will be able to contribute to the future development of the Institute with the monetary rewards that will accrue from their accumulated knowledge.

Rhodes, Erickson Discuss New Issues With Trustees

Joe Rhodes, ASCIT President, and Len Erickson, ASCIT Vice President, met informally last Monday with Dr. Arnold O. Beckman, Chairman of the Board of Trustees of the Institute. They discussed many subjects pertinent to the current student-faculty dialogue concerning timely changes in educational and administrative policies at Caltech. Rhodes named as one of the foremost topics of discussion the question of student housing, particularly the fundamental concept of the kind of structure on which living facilities here should be based.

Robots

In a subsequent interview Rhodes described his current perspective on the growing student involvement in voicing opinion and in proposing and carrying out constructive change. He remarked that for years Caltech, both students and faculty, has tried to consider itself unique, as something notably different from any other college. On the contrary, the ASCIT President brought out, Teckers are very much human and not machines. "I resolve that Caltech students are human," he declared affirmatively. "There's no question about the fact that they don't have to worry that their humanness (sic) is lost."

The ferment this year in practically all fields is eminent testimony to that fact. Further example of this favorable line of action, Rhodes revealed, is that the faculty is "not unreceptive" to student desire for a role in the academic and administrative determinations which will vitally shape the education they receive here. Recently the Faculty Board met and decided to act on a previous proposal by Dr. Leon Silver that all faculty committees seriously consider the possibility of student membership on the committees, whether voting or non-voting.

Corpse

This is heartening because, as Rhodes said, many prominent Caltech leaders have always looked upon the Institute as

solely a "corporation," and have thus been hampered in their creativity in administrative policies by undue attention to starkly functional methods of doing things. A good example is the arbitrary decisions made in regard to student housing contracts next year. The relaxation of such rigidity is a good omen for the liberalization of Caltech education.

Nevertheless, Rhodes concludcd, the students can not sit tight or smug if they really wish to effect the changes hoped for. Continued effort this summer and next year will be needed to advance the actual establishment of constructive reforms. In short, though faculty will furnish support, the students must provide the drive to do the job.

Students Deprecate Housing Policies

by Hecht

Requiring a year-long room contract for all non-seniors living in the Student Houses, which was supposed to keep people oncampus, is producing exactly the opposite reaction. People who think they might want to move off campus during the school year are planning to go off at the beginning of the year. Fifty to seventy-five percent of Lloyd House is planning to move off campus next year. All but one or two of the ten members of the Dabney House Excomm are resigning and moving off.

Irksome

The prospect of losing the entire sum of the room contract for moving off campus during the school year is by far the most irksome provision of the economy measures passed by the Faculty Committee. According to Ray Ellis, resigning Dabney House president, the IHC approved a plan requiring year-long room contracts, but with only a \$50 penalty for moving off campus between terms. This milder proposal is in itself obnoxious to many people. The plan for cafeteria-style meals at noon is being accepted as a reasonable experiment.

Reasons

The extremeness of the reaction is due to several factors. Dan Villani feels that "We aren't getting the food services we pay for now." Outgoing ASCIT Excomm Chairman Tim Hendrickson considers the action "drastic compared to previous policies." Jim Woodhead says we're "too spoiled" with the existing system, which is much more liberal than that of most schools. Many people do not want to commit themselves to living on campus for a whole year when they are not sure how their House will

be next year. "Essentially, we are losing a right," said Mark Johnson of Dabney's vanishing Excomm.

An even break?

The fundamental problem is the Institute's policy of expecting the Student Houses to break even. Even now it is possible to live more economically off campus. Bob Mitze, also of Dabney's resigning Excomm, feels that "The Institute doesn't consider the Student Houses enough of an educational experience to subsidize them." Reforms in the Student House structure, designed to save money, should, according to Mike Meo, be designed to make the Houses more attractive so that more people would live in them, providing a larger total revenue.

IHC unpopular

The IHC's action in approving the year-long room contracts is condemned by many people. Larry Shirley of Ruddock sees the reasoning behind the measure, but wishes there were some other way. Strongly agreeing with the measure is Chris Dede of Ricketts, whose trip east to investigate housing convinced him that everyone should be required to live on campus. Several people interviewed said that they didn't feel that the IHC was representative of student opinion, among them Marshall Rieger. Dick Rubinstein, Kevin Savage, and Doug Rece.

Rippel Fights GM; Builds "Powerfuel Voltswagen"

by Roger Goodman

Everyone complaints about smog, but Wally Rippel is now doing something about it. A junior in Page, Rippel has converted a VW bus into a battery-powered vehicle, capable of going about 42 mile sat a top speed of 35 m.p.h. before recharging, which takes six hours.

He began work a year ago and has since put in \$1500 and over 150 hours on the project. There are 16 six-volt d.c. lead storage batteries. The two motors are like those fo rauxiliary use on aircraft. Each is rated at 24 volts, 300 amps, and 10 hp. A chain drive connects them to the driveshaft, which provides the torque. The gearshift has been left in.

At present the voltage is regulated in 12-volt steps by a relay circuit, to avoid excess voltage at low speeds. During the summer, Rippel will install a better device for controlling the speed, with a silicon-controlled rectifier emitting pulses 3 milliseconds apart. This electronic system will permit a smoother voltage control, since the length of the pulses can be varied to change the average

voltage. It will also have a feedback control.

A ride in Rippel's 3600-lb. VW is a new experience. The dashboard is simple, with meters showing the voltage drawn, the current drawn, and the current being generated while braking. A simple toggle switch closes the circuit, and the acccelator pedal operates the relays.

Rippel demonstrated skill in handling his VW, gained from 60 miles of test drives. The engines whine, and riders can feel the change when the relay switches, but when the car is stopped there is no noise.

Fuel cells

Rippel feels that gasoline engines cannot be adequately cleaned up and that present batteries have too-low power densities. He has proposed a twocycle power source A fuel like methanol could be burned, giving harmless carbon dioxide and water. The energy would not go directly into electrical energy but into chemical energy, being used to electrolyze an intermediate substance. As in the Krebs cycle, the intermediary could be regenerated.

ASCIT Monies OK'd; Cummings Seeks Change

Yesterday, Joe Rhodes, John Cummings, and Len Erickson met with President Lee DuBridge to discuss some changes in the ASCIT budget in the near future. This was accompanied by an audit of the ASCIT books to establish that there are no present irregularities.

The budget revision is being proposed, according to John Cummings, ASCIT treasurer, to allow ASCIT to carry on some special projects. ASCIT's budget has been proportional to the number of students, which has been relatively constant over the last few years. The expenses, however, have gone up to the extent that every cent ASCIT takes in now is already earmarked for some particular club or activity. This hasn't been too bad in the past, but this year the BOD took a more critical look at the budget and decided if they were going to do anything new, they would have to get more money or keep on in the same old rut.

Most of the proposed special projects are long-term things like the radio station, but the need for money exists now. (The concepts proposed by Rich Drews are not under this; they have been taken care of otherwise.)

When asked, Cummings said that it was possible that the increased need for money was a result of the larger proportion in recent years of students who need something more than a pocket slide rule to keep them contented.

Editorial

Playing With Fire

The recent change in the on-campus housing policy has provoked storms of criticism. House members are mad. Their rage is not entirely directed at the balanced-budget administrators, though they condemn the Interhouse Committee for never informing them of the Institute's planned changes and for selling out by accepting one of the Institute's equally bad choices.

Most agree that they will remain on campus if the housing situation here is attractive; they will not remain if coerced. This is especially so when that coercion manifests itself as decreased services or higher costs both of which can be circumvented by moving off-campus. The Institute cannot and will not make up losses on the Houses by intimidating the students.

In an editorial on May 4, we presented a plan whereby the undergraduates and graduates could utilize the facilities of the Institute in three different ways. Moreover, this plan would require nobody to change his ways if he likes them as they are. Undergraduates have expressed their approval, same graduates have told of their abortive attempts but continuing desire to have meal contracts a la the Houses, and the faculty remains receptive to any idea that would revitalize the Houses.

So we are forced to ask: Why did the IHC let itself get backed into a corner by the balanced-budget administrators in Throop, and also, why are the IHC and those administrators so reluctant to try a creative solution to the problem?

The Institute is playing with fire if it expects to force the undergrads to stay on campus and become a wholesome group. It will have only itself to blame when the undergrads object

—Les Fishbone

Talent Show "Enlightens" All With the "Grand Solutions"

Last Saturday night, to the tune of "The Scientific Method," Caltech students solved the problems of air pollution and traffic congestion. The site of these miraculous feats was Beckman Auditorium, and their inspiration was the second annual ASCIT Talent Show.

The show was titled A Game of Chance Played in the Rain, and generally followed the format of a Broadway musical comedy. Hosting the event for the second year in a row was Rege Cordic, often heard on KNX

Game, almost single-handedly conceived by Mike Garet, pits a scientist against a politician and a psychedelic poet in the race for the governship of California. By virtue of his application of "the scientific method" to the problems of the populace, and by its subsequent success, the scientist emerges victorious not only in his fight against smog and traffic, but against his opponents as well.

Of course, no scientific endeavor would be complete without music (?). At any rate, this deficit was fulfilled by Mike Garet in a commendable way. From his composition of the overture (a delightful potpourri of musical themes) to be the final song, I am My Own Man, Garet's music served the purpose of the work beautifully.

Silence Proves Golden

Perhaps the most unfortunate aspect of the entire evening was that Garet's music was not performed uniformly well. Unable to follow suit in playing all tunes as well as the first, the orchestra accomplished a significant faux pas in forcing the audience to sit through what might have been an enjoyable overture. Again, vocal excellence of any kind was achieved only by Dan Erickson and Bob Schor; most of the other singing did not surpass the realm of mediocrity.

Those features of the show which drew the greatest volume of applause were those which entailed creating the least vol-

ume of sound. Pantomime, directed by Dick Neu, was very well-received. Perhaps the high point of the show was the crystallization of "scientific method," which consisted of the dance ensemble forming an elaborate figure, and then acting through a mechanistic, comical act suggestive of a Rube Goldberg invention.

Amateur Hour

It is unfortunate that a folksinging duet and a drum solo were permitted to performwhere no apparent reason for their performance was apparent. Up to this point, one might have forgotten that the show was, after all, a sort of amateur hour. At any rate the introduction of these two acts brought back memories of Ted Mack and his Geritol commercials.

Notices

SENIORS: CAPS AND GOWNS

All seniors should list their measurements for caps and gowns in the Page House lounge before Monday to insure getting a size resembling their own.

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Letters

Sirs:

The ASCIT Board of Directors feels that the recent recommendation by the Faculty Committee on Undergraduate Houses to make the board contract a full year agreement has not given sufficient if any regard to the undergraduate student body. We realize that the committee desired to make a change which would economize House operational expenses and stop the high turnover rate. To do this the above-mentioned measure was deemed appropriate.

The BOD feels that following facts should be considered in evaluating this action:

1. That the implications of the change were not made sufficiently clear in their original presentation to the IHC.

2. That this change and accompanying economy measures are coupled to no substantive physical changes or promise of such changes. This makes them a series of ideas for changing student life, not directed toward a positive goal.

3. That this change will have an undesirable effect on House life by encouraging many of the strongest personalities within the Houses to move off.

4. That the refusal of the committee even to reconsider this proposal demonstrates a deplorable close-mindedness to an open examination of the issue.

Members of the committee have stated that it may take up to three years, if then, for this action to bring positive results. It is widely held opinion that the Student Houses need proposals of positive improvement. We condemn this action, isolated as it is, and recommend that the Committee institute only the fifty-dollar penalty for breaking contract. We realize this is not a final resolution of the problem, and in view of the multitude of ideas that exists on this subject we urge that a joint effort be made by faculty and students to agree on proposals of a positive nature within the coming year.

ASCIT Board

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Vice-President Humphrey ASCIT Says Calls for Many Volunteers

Vice-President Humphrey has issued a call for summer volunteers to work in the War on Poverty. As Chairman of the President's Council on Youth Opportunity, he is responsible for many community action projects, and he urgently needs thousands of student vounteers to staff those projects. Among the programs desiring volunteers this summer are VISTA, which functions as a domestic Peace Corps in such areas as Indian reservations and urban ghettos, the ghettos, the Head Start program, which prepares preschool children from disadvantaged areas to receive education, and the Job Corps, which specializes in training school dropouts for employment.

Services needed

The nature of the services performed by volunteers in these programs is varied, and ranges from clerical work to recreational supervision to tutoring in reading and mathematics. For some projects, especially VISTA, volunteers will be expected to live in the community that they serve, and will receive meals and accommodations or a living allowance. Those interested in donating their time and experience this summer to the War on Poverty should either contact the local anti-poverty agency or write directly to the Office of Economic Opportunity, Washington, D.C. A booklet listing all of the programs in detail is available in the Tech office.

Few tasks are more rewarding than community service, and the War on Poverty program gives Tech students a significant opportunity to use their skills in the real world.

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Towering Eyeful

Cheeta, the psychedelic "bugout" of the L. A. area, is located in Pacific Ocean Park just off the Santa Monica Freeway. This dancing establishment offers pop music seven nights a week to those (over 18) who choose to indulge, for an admission fee of \$3.00.

The experience of walking into Cheeta for the first time is overwhelming. It is the total pop art environment. Behind the curtains that shroud the entrance an immense dance floor stretches in all directions with five large cylindrical pedestals. On these and the floor hundreds of young people gyrate frantically to the overpowering sound of the rock 'n' roll band at the far end of the

The band is elevated on a platform overlooking the dance floor. Two sets of instruments are in position so that the music can be produced continuously by rotating two bands. The volume of the sound issuing from their electronic set-ups is deafening. One finds difficulty even in shouting out an offer to dance—he just can't be heard (sign language works best!).

Idolness

Directly behind the teen-age

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idol of the moment are three enormous screens onto which are projected three different light shows from behind the stage. Weird patterns appear and fade in time to the beat; strange hypnotic sequences dance before one's eyes. Directly above the dance floor are sixteen radially arranged rows of colored lights, all flashing in time to the beat. In the center of this flower are two dazzling strobe lights to add to the general excitement. At the level of the floor the stage is equipped with three sets of differently colored "god box" lights flashing synchronously with the music. If this doesn't blind "the most casual observer" the whole light show is echoed and amplified by the large reflecting surfaces that surround the dance

Places to sit are provided at the periphery of the floor onwhat else - cheetah-skin-covered lounge chairs and couches. Two bars on the sides of the floor, one alcoholic and the other straight, provide refreshments. For the total environment, Cheeta even has a costume shop in which girls can buy mini-skirts and other avant-garde accessories.

Cheeta is certainly worth \$3.00

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Ice House Gives Sandwich Show; Acts Vary

by Hentchel

This month's Pasadena Ice House show has the appearance of a roast beef sandwich: two good slices of bread with a lot of bull in between. The first act is that of Mike Smith, a parody song writer from Miami. He does satire on folk and pop songs in a relaxed and frinedly manner. Although his singing and guitar are not particularly stimulating, he uses much original material, the remainder being borrowed from well-traveled folk circles.

Willard and Greco are a pair of stand-up comedians that have appeared on the Ed Sullivan and Johnny Carson shows. What they lack in ability to improvise, they atone for with an absence of originality. They run over old gags and current comedy topics and give their version of a flop Broadway musical, also a flop as a comedy routine.

Finishing the sandwich is Atco recording artist Casey Anderson. He varies his act between pop and folk numbers. with several vaudeville numbers thrown in. He comes out with an electric guitar, which he plays well, and sings in a good, clear voice. Neither his guitar nor his voice, however, can match last month's Danny Cox. His style, on the other hand, is more fresh and original than Cox's, and he keeps an easy and personal manner with the audience.

I would rank Mike Smith as funny, Willard and Greco as poor, though not stagnant nor especially dull, and Casey Anderson as very good, but not great. The show is not nearly as good as last month's, but it is good for an enjoyable date.

Demolishes Bruins by G. Abbott to pace the attack and lead Tech

CIT Cricket Team

Last Sunday, on an impossibly smoggy day, the best-ever Caltech Cricket team demolished a strong UCLA side in an almost perfect performance. After losing the toss, Caltech took the field and methodically proceeded to dismiss the UCLA batsmen. Within an hour and a half the task had been completed. Tony Collings took five wickets for 32 runs and Peter Dodds five wickets for only 16 runs. The bowlers could not, however, have compiled such excellent figures had it not been for the fielding, which was remarkable. Six catches were taken in all-two brilliantly by Ernest Anderson and Richard Wade.

When Caltech came to bat, they overcame the UCLA total of only fifty runs with ease. Peyton Fuller, who opened the batting, made thirty-four not out

Flems Beat Lloyd To Lead Football

Quarterback Richard Touton led the strong and well-balanced Fleming House team to a 22-12 victory over the grudging gridders of Lloyd House last Tuesday. As a consequence of their victory, the undefeated Flems took over undsiputed possession of first place in the Interhouse football competition.

Fleming's record is now 4-0-1; the tie was against second place Page which boasts of a 3-0-1 record. Tuesday's loss dropped Lloyd to third place with a 4-1 slate. The remainder of the standings: Dabney, 2-2; Ruddock, 1-3; Blacker, 0-4; and Ricketts, 0-4. (NOTE: These won-loss records do not include yesterday's Blacker vs.

to a seven-wicket victory. Wicket team

The previous week, Caltech had demolished Santa Barbara with equal ease. Tech batted first and achieved the gargantuan total of 171 runs for five wickets before declaring at 183. The leading batsmen were Peter Dodds with 48 runs and Dave McConnell with 45. All the bowlers got among the wickets, Tony Collins leading the pack with three for 18 as Santa Barbara was dismissed for 77 runs.

The defeat of the perennially strong Los Angeles Club was again decisive. The architect of victory was Tony Collings, who took seven wickets for only 19 runs, taking a hat trick (three wickets in three consecutive balls) and four wickets in one over. Los Angeles were all out for 48 runs and lost by six wickets.

Caltech, based on its record, is probably the best collegiate cricket team in the nation.

Ricketts and Dabney vs. Ruddock contests.) In Tuesday's only other game, Page shut out Ricketts 32-0.

In addition to pushing her into first place, Fleming's victory all but sewed up the overall 1967 Interhouse Championship for that House. With only today's game with lowly Blacker remaining, the Flems are highly favored to win at least a share of first place and thereby the overall Championship. If Blacker upsets Fleming, however, Page could take the football crown and the overall Championship by beating Lloyd today and Dabney tomor-

Much Ado About Interhouse Refs

by Creasy

With a few notable exceptions, the Interhouse football games played so far this year have been shabbily refereed. Perhaps it's not as much the fault of the referees as it is of the system under which they must presently op-

First of all, I think that two officials are not enough. Three should be the minimum-one at the line of scrimmage and one each in the backfields of the offensive and defensive teams. Interhouse football is not exactly child's play, and the participants should get as much protection againts rule violations as is possible and necessary.

More important than the number of officials is the quality of the officiating itself, and it certainly can be improved considerably. I'd suggest a type of Interhouse Referees' Association composed of volunteers approved and trained by the Athletic Department. If possible, they could be paid an equitable salary for their services. This type of setup would eliminate a lot of the present confusion in the procurement of officials and improve the quality of officiating.

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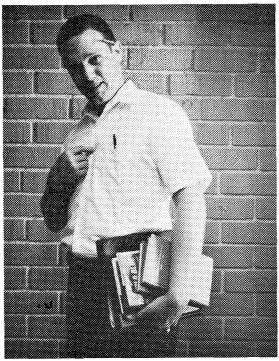
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