

IHC-BOD Restructuring Seen

(This space courtesy of incompetent headline writer.)

by Marc Aaronson

"The student body must know the mechanisms of its student government," stressed ASCIT President Joe Rhodes, in discussing new proposals for changes in the By-Laws. Recent suggestions from house presidents and campus officers have caused the ASCIT Ex-Comm to draw up certain propositions for structural innovations in the IHC and BOD.

As quoted from the Ex-Comm minutes, "The social chairman, athletic manager, and activities chairman are concerned more with their particular duties than with the details of appropriations, interviews, relations with the Institute, goals of the cor-

poration, and the like, to which the BOD must devote much of its time. They are all very much concerned with student life and could function more effectively in the IHC with the house presidents, who perhaps better than anyone else know the immediate desires and plans of the students . . . This broadening of the responsibilities of the IHC should be by the delegation of some of its duties, eg. sports statistics and details of scheduling social events and other activities." The Ex-Comm feels "there is a very real need for better cooperation and unification" between the house officers and the social, athletic, and activities committee because of their common needs and goals.

These changes could have great

importance in affecting life at Caltech. Many students have the impression that ASCIT is spending time on things unrelated to student activities, and consequently several houses have lost respect for the BOD. It is felt that the real input of suggestions and criticism comes through the house presidents and by working through IHC, which is composed of the presidents, various chairmen could be freed from the "grunge" of the board and concentrate more on their own particular programs. Also, four representatives-at-large could put more input into ASCIT and ease the communication gap between the BOD and the student body.

By-laws amendments are placed on the ballot by the BOD

or by a petition signed by 20 per cent of the student body. Such proposals must be voted on within 15 days and approved by a two-thirds vote to be passed.

However various members of the board have certain reservations about the proposed changes. One question being raised is whether the BOD is acting simply because it is being "bugged" by outside influences. If the switching of board members over to IHC did not cause as good a result as expected, the BOD could use the excuse, "We've done our part. It isn't our fault if the student body athletic, activities, and social programs are unsuccessful." This attitude would accomplish nothing.

The board is also questioning

whether it is wise to hand large sums of money, which the athletic, activities, and social chairmen require, over to a committee not directly responsible to the BOD. One prominent board member considers the history of IHC as being "notorious for doing nothing." There is a certain fear that positions switched to the IHC would be stifled by the very nature of that committee, which is to let other people raise suggestions to be worked on.

By-laws changes outlined above should be seriously considered by members of the student body, for they could have far reaching consequences. Students with opinions on these matters should talk with the BOD and IHC.

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Shopping
Days

California Tech

Associated Students of the California Institute of Technology

Until the
End of
the World

Volume LXX

Pasadena, California, Thursday, October 31, 1968

Number 6

ARC Given 18 Kilobucks

Friday, Oct. 25, the first Ford Foundation grant ever given for student research was awarded to the ASCIT Research Center after nine months of negotiation. \$18,500 was granted, \$10,000 to continue air pollution research and the remainder to set up the ASCIT Research Center.

This grant is on condition that \$4,000 be raised from other sources, of which \$2,000 has already been allocated by ASCIT, and \$1,000 from the Master of Student House's Fund for research directly related to the student houses. The ASCIT Board of Directors has asked the YMCA to provide the remaining \$1,000.

The ARC, universally applauded elsewhere in the world of education, has been the subject of considerable controversy here at CIT. In particular, the \$2,000 ASCIT "seed" funding has come under criticism on the grounds, as expressed by Joe Feng, BOD treasurer, that ASCIT money is thus being used for projects not directly benefiting the student body at large.

On the other hand, Joseph Rhodes, ASCIT president, who was highly instrumental in negotiating the grant, feels that the ARC does directly benefit all students, in that its funds, any facilities as it can arrange, and any additional aid a research project could require are open to all students for virtually any research project as may capture his interest.

Urban affairs and elementary education, for example, are being studied, and the possibility of a study of university teaching is being explored. Scholars and researchers may be brought in from several other campuses. Virtually any project relating to or even leading to research may be explored through the Center, according to Rhodes.

To Paul Dressendorfer, a great guy, the Tech staff sends its heartiest wishes for a speedy recovery. Paul, who is still in a Las Vegas hospital, was injured in last Saturday's football game against Nevada Southern. He suffered internal injury and severe pain.



—photo by Link

Part of ARP's project to improve the scenery: Caron Roman (left), and Saralee Larson.

Pot Luck?

Project Sweepstakes

The Public Information Group of the A.S.C.I.T. Research Project on Air Pollution has as one of its chief objectives the creation of public concern about air pollution that can exert pressure to bring about massive reforms in air pollution control. Research done this summer shows that the most effective way to accomplish this goal is through public education and publicity campaigns. The Public Information Group, however, faces the problem that it has been bound up in air pollution for three months already and has exhausted its supply of ideas for publicity stunts and commercials.

Techers are widely known for their creativity and imagination, particularly as it takes form in their infamous practical jokes.

It is also widely known that many potentially good ideas that originate around the bridge table or the Risk and Stratego boards are left at the game tables. The Public Information Group hopes to get around these two problems by holding a contest for the submission of ideas to convince the public of the immediacy and the importance of the air pollution problem in Los Angeles County. The point is to get the public to give massive support for anti-smog legislation, i.e., to accept paying for mass transit, riding in carpools, and helping to absorb the costs of a state-wide inspection system on an annual and compulsory basis.

Ideas submitted to the contest must be along one of two lines:
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ARPettes Tell All Hi-Life In ASCIT

by John Healy

The Smog Research Project is not only stimulating concern with pollution, but adding a new dimension to undergraduate student life. During the summer, six female SRA's (student research associates) worked on the project; now they are taking courses and otherwise mixing with the Beavers.

The sextet is comprised of: Flora Boyer, a third-year student from Occidental College; Nino Cooley, a sophomore from Wellsley, who may attend Oxy next year; Saralee Larson, a sophomore from Modesto Junior College; Caron Roman, a sophomore from Emory University; Con E Staisey, a junior from Swarthmore College, who was here last term; and Joan Weber, who has had two years at UC Irvine.

Moskatel!

All of them are taking several courses; the subjects include: Math 5, Bi 2, Anthropology, P1 100, Bi 7, Ge 1, French, French Lit, En 100, En 199, H 158, P1 6, P1 2, and German. Special commendation goes to Miss Roman and Miss Larson, who are auditing Physics 1 and thereby discovering the Feynman Blizzard, guaranteed to bring you out of the warm. In all other courses they are being graded.

In every case, next year's college will determine whether credit will be obtained for course work. Miss Roman hopes to enter Stanford or Pomona; Miss Staisey—UCLA in January; the others seem more undecided at present.

The SRA's are living in apartments and houses near campus; hence, they are well-acquainted with "f (smog)=ugh".

This term Caron plans on

working with the lead group of the project and possibly in the upcoming Research Center. Nino is working in the public education group. Con E, Saralee, and Joan are editing the final report of the project. Both Saralee and Con E hope to work in the Research Center. Flora is the secretary of the project and a consultant for the mass transit and city planning group; typing and other grunge keep her well occupied.

Put Subheads

Nino states that the public education group has two main objectives: 1. To better inform the public about the smog problem and clarify any misconceptions. 2. To consolidate the anti-smog forces in the LA area into a political force and perhaps create a "congress of anti-pollution forces". The group must not only arouse interest in the problem, but decide on effective means of action and communicate these to the citizen. Nino wonders that if "everyone" is against smog, why isn't anything done?

The editing of the final report has encountered as many snags and other difficulties as the initial stages of research did. There is a tremendous amount of paper work to be completed in the near future. Summer enthusiasm seems to have been dampened on this less glamorous but extremely vital aspect of the project.

The SRA's comment favorably on their stay here. After a certain "break in" time, students in general recognize, approve of, and mutually enjoy their presence on campus. Several are now honorary house members.

Reaction is mostly favorable to the student-teacher situation in class. Classes seem informal, in-

(Continued on page 4)

GETTING LESS LATELY?

Bring her to the PARTY-PARTY at 8:30 tomorrow night in Culbertson. Do your thing to THE ANSWER. Then look out — you may get amour.

If you don't get it, ask a Fleming social chairman.

Editorial

Franz Kafka, Come Home

The two-and-a-half major parties have given us a non-choice in this election year. Once again we have the privilege of picking the least evil, and letting him run this country for the next four or eight years. What are the alternatives?

The Democrats are offering us Hubert Horatio Humphrey, the Liberal's Liberal. As Johnson campaigned as a milder alternative to Goldwater, so HHH is given us as our only hope to prevent Tricky Dicky from winning. Humphrey is the great liberal who, in the height of the (Joe) McCarthy era, struggled for free speech by introducing a bill to outlaw the Communist Party in this country. Later, in 1964 he fought for Civil Rights by denying his support to the bid of the Mississippi Freedom Democrats to be seated at the Democratic National Convention. Need I mention his support of Johnson's Vietnam policies?

Now we come to Richard Milhaus Nixon, the Quaking Fighter. His inability to get along with the leaders of other countries, or even be respected by them, should disqualify him from the Presidency in the minds of thinking people. As president, he would no more be able to handle the problems of the Urban Centers than Wallace could (an event to which I assign a low probability). For a kicker, there is the fact that The One had signed a pledge not to sell his house to Negroes or Jews. A great defender of Civil Rights.

Wallace has appeal mainly for the small business man, small farmer, and factory worker who feels threatened by the complexities of modern life. He is supported by those who see police paternalism as a simplistic solution to the crises of modern America. Though Wallace talks States Rights, he is not afraid or reluctant to accept funds from the Federal government. Finally, his anti-intellectualism is inherently dangerous to a higher technological society, such as our own.

Now that we have neatly eliminated all three men, what choice does that leave? Rather than worrying about who the "lesser evil" is, make a positive stand by voting for someone who can be considered a definite "good", though not necessarily a candidate who has a chance of winning. Protest votes are not votes thrown away. They show the dissatisfaction of a segment of the citizenry with the present offerings, and indicate what policies the disenfranchised voter does favor. If you cannot stomach the Nixon-Humphrey-Wallace team, we suggest you look into the alternatives of voting for the Peace and Freedom Party ticket, led by Eldridge Cleaver, or writing in your choice, for example McCarthy or the non-Capitalist Halstead-Boutelle ticket.

Dave Lewin



Dear Fanny

Dear Fanny,

I do not enjoy Caltech exchanges because of the large boy/girl ratio. What other ways are there to meet girls in a monastery like this? F.W.Y.

Dear FWY,

No, it is not easy to meet girls in a monastery. Here are a few suggestions I hope you find helpful.

(1) Attend mixers at other schools. "Crash," if necessary. Look for announcements of such on girls' and men's dorm bulletin boards, or make this the responsibility of your social chairman.

(2) Get fixed up. Use your fix-ups as springboards to meet new girls. Don't drop a girl you don't like until you have wrangled a look at her friends.

(3) Move off-campus in a building with lots of single girls. Best hunting: on Rosemead, N. of Colorado, Raymond Hill in S. Pas., or why not even Hollywood?

(4) Visit coed or girls' schools during the daytime. Strike up conversations with girls at the Student Union, dining halls at lunch, libraries, etc. Follow up immediately with a telephone call.

(5) Find out about sensitivity groups at other schools and get involved in them.

(6) Find out where some of the teeny-boppers hang out (Sunset Strip, etc.), loosen yourself up with a drink or two, and go. Ask people you meet about private parties if you can't find unattached women in the public places.

(7) If you are too scared of girls to try any of these things, then don't worry about it. You probably aren't as desirous of meeting the opposite sex as you pretend to yourself and your friends.

P.S. Computer dating and such things as the Alumni Club, Never on Friday Club, et. are usually failures. It takes a little imagination to meet girls, and these outfits attract people with no imagination (and very little pride).

—o—
Dear Fanny,

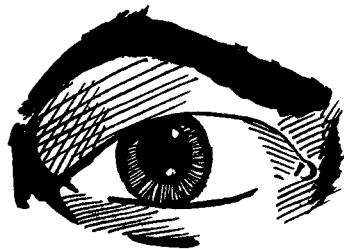
I am a junior living off campus with another junior. My girlfriend of three years lives 300 miles away and will be driving down for the Interhouse dance. I plan to have her stay the entire weekend at my place. My roommate objects to this arrangement, but since his room is separate from mine, I don't see that he has any cause for objection.

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Towering Earful

Sweetwater
An Album by
MGM Records
George Rappolt

Sweetwater, the first album by the group of the same name, is an extremely beautiful collection of songs. (There are no non-vocal cuts.) The musicians in the group are all technically competent, and the lead singer has an excellent voice in the classical sense. The songs used are all of high quality in that the themes



Towering Eyeful

by Alan Lederman

Young Uck Kim, generally regarded as one of the three finest contemporary violinists, performed at Beckman Auditorium Saturday night.

It was a most rewarding evening. Uck Kim has the rare gift of understanding music, but more important, he has the maturity to communicate its meaning. He preserved the continuity of each piece, but he always used a firm, clear stroke. Despite an eye infection, Kim gave a flawless performance.

A glance at Kim's background will indicate his talents. Born in Korea in 1947, Young Uck Kim began violin studies at the age of six. When he was barely eight, Young Uck Kim won first prize in a Korean national music contest.

Rudolf Serkin, of the Curtis Institute of Philadelphia, heard Kim perform when Serkin was touring the Orient in 1961. In the fall of that year, Young Uck Kim came to Philadelphia where he was accepted as a pupil of Ivan Galamian, perhaps the greatest violin instructor. In 1965, he won the Merriweather Post competition which led to appearances with the National Symphony Orchestra in Washington and New York. Kim has been throughout the U.S. on concert tours.

The Program

Samuel Sanders of New York was Kim's brilliant accompanist. Sanders said the program given was chosen by Kim to satisfy the following three criteria: 1) The program contains those pieces that are favorites of Kim, 2) It is a program Kim feels the audience will understand and enjoy, and 3) it is a program chronologically balanced, containing compositions from the eighteenth, nineteenth, and twentieth centuries.

The program was as follows:

Sonata No. 12 in E major Pergolesi

Sonata in A major, Op. 47 Beethoven

Adagio Sostenuto - Presto Adante con Variazioni Presto

Sonata in E flat major, Op. 11, No. 11 Hindemith

Frisch Eines Langsamem, Feirlischen Tanzes

Rondo in C major K 373 Mozart

Berceuse (from "The Firebird") Stravinsky

Palonaise in D major Wieniawski

have "catchiness" and the ability to produce emotional effects. They are arranged and sung in such a way as to enhance these qualities.

Sweetwater, the group, consists of eight people using a flute, strings, drums and various other percussions, and a piano, harpsicord, or electric organ (depending on the song.) Various members of the group are apparently familiar with rock, rhythm and blues, classical, and what might be called Broadway musical music. As a result, their music is complex (there are almost always several instruments playing simultaneously), their tonal quality varies from medieval to hard rock to jazz with a large number of intermediate and side combinations, and they inject phrases typical of all these types of music into their compositions. This makes the record hard to classify. It also makes it more interesting to listen to.

The songs are for the most part quiet in that they lack the types of musical violence found in, say, the Doors or the Cream. "What's Wrong," "My Crystal Spider," "Two Worlds," and "Why Oh Why" might be considered as exceptions, but even these are below the average level of frenzy in the aforementioned groups. If you're looking for people who belt it out, by another record. This is not to say that the music lacks emotional power—it has a great deal. It simply less violent than most rock.

The lyrics, while good, must be considered the weakest part of the album. There is nothing grossly wrong with them, and in this they are better than the vast majority of song lyrics.

Letters

Dear Sirs:

Once again the readers of the *California Tech* have, through the letters section, heard Chris Dede expound in criticism of Lee DuBridge and the stance of the Institute toward undergraduate life. I would like to express my dissent from Mr. Dede's point of view and explain why I, as an undergraduate, agree with Dr. DuBridge rather than with "my" student leaders.

Mr. Dede seems to disagree that the Caltech undergraduate is a paying guest here. The facts seem fairly obvious: 1) the Board of Trustees own Caltech; 2) we pay \$2100 per year for the right to attend classes and to receive other benefits; 3) if we fulfill certain requirements, the same Board of Trustees agrees to give us a certificate of our technical accomplishments. That seems like a pretty straightforward deal, and that is what their agent (Dr. DuBridge) says the deal is.

Now, we have every right to the students and that we should to be, but let us consider the consequences of Mr. Dede's stance. Mr. Dede maintains that professors should be setting forth intellectual and moral dogmas (Dede's words) so that students can question them. He also calls for the Institute to "teach us what is right." This is patently naive in view of the obvious disagreement (among students, faculty, administration and Board) as to just what is right. If the Caltech Board of Trustees ever decided to mold students in their own image and likeness as do institutions such as, say, Yale; you and I both, Chris Dede, would be screaming from the rooftops. Caltech has, in my opinion, shown the greatest possible wisdom precisely because they have avoided

Nonetheless, there is nothing really outstanding about them either.

In sum, *Sweetwater* is an assemblage of varied, complex and technically excellent music.

CaliforniaTech

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the incredible chaos surrounding the socially "relevant" issues of the day. The Institute is not our mother *in loco parentis*, it is a business partner. Nowhere else, in the world of "right thinking" (your word, Chris?) administrations will you find such technical quality. Nor will you find the freedoms of personal life that you find at Caltech.

In granting the student what Dede might call "the freedom to be apathetic," Caltech has given us the greatest gift of all, the freedom to be ourselves and the freedom to grow greater than the molders and the teachers. Please, Mr. Dede, don't throw away that gift.

The second statement of DuBridge's that Dede attacks is that the professors know more than the students and that we should "sit at their feet." As quoted in the *California Tech*, the impression Dr. DuBridge gives is quite the opposite. DuBridge said, "it is the student's business to extract every ounce of knowledge and help he can from the teacher . . ." and that (the student) . . . comes, not to be taught but to enter actively into the process of the advancement of knowledge—his knowledge, everyone's knowledge." I think "sitting at their feet" is hardly an accurate quote.

If we, as students, (and I include the self-styled "student leaders") are poor human beings; if we do not grasp the interaction of scientist and society—then it is our fault, not Caltech's. The "Y." Dating, and the myriad of social situations comprising Los Angeles—these things await us. Caltech need not be all things to all men.

—Mike Henerey

Into the Incinerator

Let's Keep That Ivory Coming!

by Jim Cooper

(Columnist's Note to Readers: We hereby disclaim any connection whatsoever between last week's column and this week's football score).

Soph Edward B. Barrelmaker of the Mythological Institute of Theocracy gazed happily down at the proceedings of the Inter Dorm Committee.

The committee members were just congratulating themselves on the success which they had in the elimination of initiation on the MIT campus, and Barrelmaker was happy that they were happy.

"Yes," said the chairman of the committee, "I think we can all be proud of ourselves for having the courage to eliminate a time-honored tradition. And to think that we did it without any administration coercion whatsoever. I mean, why would the administration even try to influence us? They tell us we can run our own student affairs, and they stick to their decision."

Didn't Sell Out

"That's right," said another member. "Although the Institute could have been involved in several million-dollar lawsuits from unfortunate events during previous initiations, the administration still valued our views more than money and refused to interfere. I hereby move we commend the administration for their letting us reach our very own decision."

The resolution was approved quickly by acclamation.

After the applause from the audience quieted, the chairman went on. "Thank you. As you

know, the real reason we eliminated initiation was that it was too immature and cruel for true Theocers to support or participate in."

The chairman, who had been his dorm's pledgemaster for two consecutive years, continued. "The very fact that our program of Circulation went over so well without initiation, justifies our decision."

Really Blended

Another member added, "It's really true. Our dorm's frosh have blended in so nicely that... well, you hardly have to even associate with them. And the frosh, well, they hardly realize that they're really members of their dorm. It's really great."

A third member piped up, "Besides, we're supposed to be preparing ourselves to face life, and where in life do you find people being sprayed with firehoses, or being told to march in order, or being degraded in front of others, or other dumb things like that?"

The whole assemblage laughed at the thought that something like that could actually happen.

We Will Protect

"Our main duty," said the chairman, "is to protect dorm residents from physical or mental harm which might befall them if initiation were continued. It would be unspeakable cruelty on our part if we had allowed this to go unchecked."

After the applause had quieted down, Barrelmaker nervd himself and sought recognition from the chairman.

"Yes, what can we do for you?"

"Mr. Chairman and members of the IDC," Barrelmaker began, "as you are all so interested in protecting Theocers from mental and physical cruelty, I would like to request that an investigation be made as to the possible elimination of the physical education requirements here at

Theoc. I know of no other mental cruelty as great as that inflicted upon hapless Theocers by the coaching staff; and certainly the physical cruelty and danger speaks for itself."

Wild applause greeted Barrelmaker's proposal, and a gleam came into the eyes of the chairman.

Don't Stop

"That's wonderful! I had never thought of it, but you're absolutely right. I mean, if we are campaigning to end physical and mental indignities heaped upon Theocers, we certainly should eliminate compulsory P.E. But we shouldn't stop there, either!"

Another member continued, "You bet! Why there are a whole bunch of nasty requirements here at Theoc which cause undue hardships to the undergraduates. Take BaTH 1."

"For that matter" exclaimed another member, "let's work for the elimination of requirements altogether."

"There's something else," said yet another member. "I bet that the Institute could have been sued many times by people who committed suicide because of

(Continued on page 6)

Notices

HELP!!!

The California Tech is in desperate need of a circulation manager and staff. There is money to be had for this, plus a key to the Tech office (equipped with air-conditioning and an outside telephone line which does not gobble your dimes.) If you have a car, you can get a Special A sticker for parking on campus. Other benefits are subject to special negotiations with our friendly business manager. For more information, call extension 2154 or stop by the Tech office Thursday afternoon.

DO BUFFALO CHIPS HAVE GUT???

Answers to this and other intriguing questions at the next TO-TEM meeting, Monday, November 4, at 9:30 PM in the Coffeehouse, 1101 N. San Pasqual. Bring any literary offerings that you might comeing issue. Contact Jack Falk (Dabney), Bill Hocker (Blacker), or Dr. John Zeigel (202 Gates).

ALL QUIET ON THE BERGMAN FRONT

The third film in the fall Cinematech series: **The Silence**, the last in Ingmar Bergman's Brilliant trilogy. Saturday, November 2, 8:00 p.m., Culbertson Hall, \$1.00 or film group card.

SPECIAL ELECTION

ASCIT will hold special elections for Senior President and ASCIT Social Chairman on November 5; however, house bars will remain open. Included in the ballot will be a referendum regarding a study of proposed changes in the corporation papers ASCIT. There is only one candidate for each of the offices: Lonnie Martin for Senior President and Mike Stefanke for Social Chairman.

ELEPHANT FOR SALE:

The L. A. Province of the Newman Club is presenting a Leadership Weekend on November 9 and 10. There are limited openings for members of the Caltech Newman to attend. If anyone is interested, contact Tom Carroll in 119 Lloyd as soon as possible. If you're interested in the elephant, we don't have any, but there's this guru we know in India who might just

SCIENTIFIC CHRISTIANITY?

Christian Science Organization, Thurs., 7:30 pm, Winnett Clubroom 2.

CHESS CLUB

meetings will be held for the rest of the year on Monday nights, excluding vacations and holidays, at 7:30 in Clubroom 2. Everyone, including teachers and Grad students, welcome.

(Continued on page 6)

Faculty, Students Ponder Much

By Larry Westerman

(Ed. note—This is the first in a series of articles dealing with various student-faculty committees).

One of the first student-faculty committees to organize each year is the Faculty Committee on Undergraduate Admissions. Composed this year of 20 members, including four student representatives, it begins early to tackle the immense load of work it carries.

The basic function of the Admissions committee is, of course, to rule on the actual admission of each year's freshman class. When one stops to consider the awesomeness of this task, he quickly realizes the power the members of this committee wield. Each faculty member is assigned a particular area of the country, for which he is responsible. He must peruse all applications from his area, rejecting

those obviously below minimum standards. He then separates the remaining into those which he will interview, and those which for some reason he will not. Then, he interviews those he can, along with teachers, administrators, and others whom he feels might shed light on a particular applicant's abilities or motivation.

Sarazin!

When the interviewing is completed, the entire committee meets in groups of three to decide admissions. Each applicant is discussed, voted on, and if unanimously agreed upon, accepted. This process is ultimately responsible for the admission of all but about 40 of the entering class. These 50 are selected by the entire committee, on the basis of unusual talent, leadership ability, desire in a less-than-common field, or similar qualifications. This is done largely to introduce more diversity into the class.

In all this, however, the student members' roles have been very minimal. This is not to say they have no say—on the contrary, their opinion is very helpful. But it is in the other activities of the committee which the student has some representation. In the choosing of admissions standards, policies, and future plans, the undergraduate members of the committee are the students' only representative.

This year is a very crucial year for the admissions committee. It is to decide or discuss many top-

ics which will radically alter the undergraduate student body and life. In the areas of underprivileged admissions, the committee and the administration as a whole are making great strides. For the first time in Caltech history, the committee has plans to actively recruit students—a policy unheard of heretofore. Although this policy will be confined to the immediate Pasadena and Los Angeles area, it is the first real attempt to stimulate underprivileged students to greater achievement in scientific fields. It will encourage students who, because of conditions, were unable to obtain a proper education and were thus below minimum standard loads. Tentative plans call for summer tutorial programs for entering freshmen to help strengthen their backgrounds in math and science, to make them better able to compete. It would provide a special 5 or 6-year undergraduate program so that students could work slower, under less strain, and properly benefit from the learning experience. Plans call for another Associate Director of Admissions who would specialize in underprivileged areas, so that attention could be properly focused on these areas. Further in the future are plans to aid students a year or two before they enter Tech, with summer programs and special classes. Decisions in these will probably be made this year, and will have long range effects on all of Caltech life.

Put Subheads

There are plans afoot to increase the size of the undergraduate student body, perhaps to 1000. This increase of 300 persons would involve much more than just admissions planning, and certainly will not be done for several years, but it will almost certainly be discussed this year, in earnest.

Current timetables call for undergraduate admission of women by 1971. This in itself will in-


(Continued on page 4)

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'4th?'

by Robert Geller

Safety play is more than specific plays in one suit; it is a state of mind. The principle of safety play is to maximize the chances of making a contract, at the expense of possible overtricks. The first question an expert asks when he looks at a hand which seems as simple as today's hand is, "What can go wrong?" In today's hand there is no way to avoid losing one diamond and one club. If the spade finesse is wrong, three tricks must be lost. The danger is that West may be able to lead through the dummy's club tenace. If South guesses wrong, or if, as in this case, East has both missing honors, South will be down one. The object of South's line of play must be to keep West off lead.

North (D)

S A Q 10 6
H Q 6
D A 6 4
C K J 7 3

West

S 7 5 2
H 9 7 2
D Q 10 8 2
C 6 5 4

East

S K 8 4
H 5 4
D K J 5 3
C A Q 10 9

South

S J 9 3
H A K J 10 8 3
D 9 7
C 8 2

Both vulnerable

North	East	South	West
1 NT	Pass	4 H	Pass
Pass	Pass		

West led the two of diamonds. With this in mind, South must play low on the opening lead. One diamond trick must be lost, but the trick must be lost to East. The diamond return is won by the ace, and a diamond is ruffed. Trumps are drawn in three rounds, North and East discarding clubs on the third round. South now leads the nine of spades for a finesse.

At this point East has a crucial decision to make. Just as declarer's objective is to make his contract, the defenders' objective is to set the contract, regardless of how many overtricks declarer may make if their attempt fails. To set the contract, the defenders must take one diamond; one spade, and two clubs; or one diamond and three clubs. East can count South for two diamonds and six hearts. If South has three clubs, he cannot avoid losing four tricks if he plays East for the king of spades, since East will win the second spade finesse and force South to lead clubs. But if South has three spades, there is no legitimate way to set the contract. However, if South thinks that the spade finesse works, he will be in for a rude awakening when East wins the third spade and he must lead a club to East.

If East takes this long to figure out that he must not win the first spade finesse, he might as well take the king, since the hold-up play must be made quickly if it is to be deceptive. South now leads the jack of spades, which also wins and then leads a low spade from his hand. To make his contract, South must go up with the ace of spades, since at this point South can afford to lose two clubs and one diamond. South's prudence will be rewarded, because East's king will fall under the ace, and South will make five spades.

East's excellent play would probably work in duplicate, since South would feel forced to take the third spade finesse, on the theory that this would be done successfully at the other tables.

Contest

(Continued from page 1)

a.) publicity stunts (such as coloring air pollution pink) or b.) commercials or public service ads in national magazines or newspapers or on TV (pictures accepted). Ideas must be practical, relatively harmless, and/or inexpensive. An idea may be authored and submitted by one or two individuals. Both members of two-man teams must be from the same house if living on campus. Anyone may enter—undergraduates, grad students, faculty, etc. The prize, for each winner, will be two tickets to one of the large folk, jazz, or classical concerts, according to the winners' tastes, in the area during late November or early December. Recognition will also be given to the winning team's house in the form of the Interhouse Creativity Award.

All submissions must be delivered to room No. 67 in Crellin or to the Vice President of the respective houses by 10:00 p.m., Saturday, November 9. Winners will be announced on Monday, November 11. Judging will be done by the staff of the Public Information Group on the basis of originality and practicality. They reserve the right not to give a prize if no acceptable ideas are submitted.

Bureaucracy??

(Continued from page 3)

involve large scale planning and work, but important decisions toward this end will be made this year. These women will be among the 300 new admittants, but will in no way constitute all of the number. The remainder will be drawn heavily in the fields of humanities, and the humanities division will be greatly expanded in the next few years.

In, Dammit!

Of course, all these plans are tentative, but they serve to give one an idea of the enormous and important tasks before the admissions committee. It should be clear that student-faculty committees are noteworthy institutions, and deserve much attention. Only by discussion with members of the committee undergraduate or faculty, can one make his feelings heard. The committee welcomes your opinions and comments, and indeed they cannot function properly without them.

Y Idea Food

The Caltech YMCA has resumed its Wednesday luncheon forum at the Athenaeum faculty club. This year the events will be open to the public, as well as to the Caltech community, on a reservation basis.

Yesterday, Dr. Daniel J. Kevles, associate professor of history at Caltech, spoke on "Politics 1968: A Search for Meaning Amid the Turmoil." Dr. Kevles is a student of 20th century American history and has been a staff member in the White House.

Somebody Put

On Nov. 6, Dr. Ronald F. Scott, professor of civil engineering at Caltech, will talk on "The Russian Invasion of Czechoslovakia—A Spectator's View." Dr. Scott was attending a scientific conference in Prague at the time of the invasion. He is a specialist in the fields of soil mechanics and foundation engineering.

On Nov. 13, two members of the Caltech Associated Students' smog control research project will tell about the successes, failures, and learning experiences in the student-run project. Nino Cooley, a sophomore coed from Wellsley, and Jim Beck, a Caltech junior and executive director of the project, will be the speakers.

Subheads In, Dammit!

The fall series will conclude Nov. 20 with Dr. Alan R. Sweezy, Caltech professor of economics, discussing "Is Inflation All Bad?" Dr. Sweezy is a close observer of the cost of living and economic trends in the United States and throughout the world, and is a specialist on money, income, and economic growth.

Single or series reservations may be made by calling the Caltech YMCA office at 795-6841, extension 2163.

Seven Minus One

(Continued from page 1)

teresting, lively, with a professional, but inter-personal atmosphere. Some classes, however, appear to lack adequate teacher-student empathy, resulting in little responsive discussion. The faculty, in general, is highly regarded.

The girls' opinions of students' reactions to their presence run the full scale—from "turn-off" to "neat guy." The "image Techer" may be encountered, but so are a lot of people who are sensitive to human relations. One of the SRA's even remarked that Caltech's students seem more friendly than M.I.T.'s (M.I.T. loses again), and that "Caltech should be raking girls in by the hundreds!"

In, Dammit!

There are really only two disturbing elements which prevent the SRA's from sometimes being accepted as "real persons". The first is that there is a minority of males who definitely feel that females are inferior and fit certain stereotyped categories. They get a relationship off to a great start! The other problem is more subtle, and probably goes to the foundations of our society. It is observed that often there is a distinct behavior change when a SRA enters a male dominated situation—namely, the discussion takes a cleaner and lighter attitude. While this may not be bad, it is sometimes disconcerting to be thought of as Miss Purity Symbol. This impediment to mutual understanding is destroyed either quite dramatically or through a gradual process of getting to know how very human women are.

The general atmosphere of the campus is well liked by all the SRA's for its liberal, free, open,

frank characteristics. Academic pressure is said to create some apathy. Social life tends to be quite formal compared to a coed college. The student houses "are similar to fraternities in some ways, without all the sometimes ludicrous ritual and national dues that go along with the Greek System". Some found that once you got to be known and know the place, that Tech became like any other college; others remain very aware that they are in a minority, but really like it for this reason; an interesting comment is that students are "free, but not free enough".

In answer to the question whether they would like to attend Caltech if it admitted coeds, and they qualified for admission, three SRA's replied in the affirmative. One comments that it would be especially beneficial to have women science majors at Caltech.

The presence of the SRA's on campus intimates that Caltech would not err by becoming co-educational.

Frosh Master Debating Skills

Dick Trtek and Francis Clark, two freshmen, journeyed to Kansas City, Kansas, to participate in eight rounds of the National Debate competition. This is the first time in Caltech history that a debate team has engaged in this level of competition. Hopefully, this tournament can be used as a springboard for the start of a new tradition that will put Caltech debate program on a level comparable to M.I.T.


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Beavers Downed 69-0

Caltech gridders got a bitter taste of big-time football this past weekend as they traveled to Las Vegas and took a 69-0 walloping from powerful Nevada Southern University. The loss dropped the Beavers' season slate to 0-4 and extended their losing streak to 33 games; in their first season of intercollegiate football, the Rebel of NSU are now 6-0.

The game started as though neither team would win. On the first play from scrimmage, a Rebel fumbled the pigskin, and Tech's Al Beagle recovered. The Beavers couldn't move in three plays and were forced to punt;

four plays later NSU returned the favor. On the first play of her next series CIT fumbled the ball away at midfield.

That fumble turned out to be the beginning of the end for Caltech, as two plays later a NSU bomb exploded for 50 yards and a touchdown. The kick after made it 7-0. After the ensuing kickoff, Tech star split end Lonnie Martin dropped a Tom Burton bomb which might have been a Caltech score. Again the Beavers were forced to punt. The very next play a fleet Rebel back raced 58 yards to the Caltech six.

Following a CIT quick kick (after a goal line stand), NSU lost no time scoring from 42 yards in three plays. The 4 yard TD run followed a 35 yard pass. Caltech simply could not move the ball consistently enough, and the Rebels added two more TD's in the first half on sustained drives of 62 and 80 yards, respectively. At half time the Beavers trailed 30-0.

The second half was more of the same with one exception. Early in the half Burton engineered the Beavers' only real drive of the game. Caltech drove

from its own 20 to the NSU 13, collecting five first downs along the way, before a lost fumble killed the momentum.

In summary, NSU clearly out-classed the Beavers. "We went out of our league," moaned Coach Tom Gutman afterwards. Caltech played well in only a few spots and made much too many errors—five lost fumbles, two interceptions, over-shooting on defense, missed tackles, etc.

Despite an out-for-the-season injury—ruptured blood vessels in his kidney—sustained in the first half, Paul Dressendorfer was named Beaver Densive Back of the Week for the fourth week in a row. Beagle was the coaches' choice as Defensive Lineman of the Week, and Charles Creasy was named Offensive Back of the Week.

Harriers Lose

Despite Lane Mason's impressive first place, the Caltech cross country team was unable to overcome Pomona's depth, losing 21-38 Friday at Pomona. Pomona took the next four places, with Smith taking 6th. Tardiff and Higgins seemed to be having a bad day, managing to get only 9th and 10th. Mason's time on the flat, 3.5 mile course was 18:12.

Managers Foreman and Marko were there with cold water (in a paper bag), but there was a water fountain near the finish. Tomorrow, however, at Brookside, against Redlands, there is no water fountain near the finish, so Josh can finally show everyone how a paper bag holds water. Marko had commented at the Oxy meet, "Next time the water comes in a paper bag."

TECH Sports

Ducks Sink Pomona

In a come-from-behind victory, the Beaver water polo team managed to rout the Pomona ducks, 10-5, last Friday. The fine shooting of Larry Watkins and Greg Wright led the Beavers to victory as Wright scored 7 goals and Watkins scored 3.

Caltech started off with the ball and controlled the ball most of the game. Pomona scored twice, one before the end of the first quarter and once just after it began. The Sagehens, meanwhile, fouled a lot and finally had 10 team fouls. This gave Tech a penalty shot which Watkins converted. Pomona then scored again to take a 3-1 lead into half-time.

The Beavers completely dominated second half play with Wright scoring first off Watkins rebound. Wright scored again

after Hansen made an important save. Pomona and the Beavers traded scores and Pomona scored again on their only penalty shot. Wright then converted 2 penalty shots. This came right after a Pomona player had been ejected for unsportsmanlike conduct. This demoralized Pomona and they allowed Watkins to score his third goal and Wright his Sixth and seventh.

Caltech played a great game the second half and more than made up for their dull first half play. The second half was characterized by good Tech passing and fine defensive work on the part of Mabry Tyson, Bob Hall and Mike Stefanko. Ken Hansen played a fine game at goalie. The outstanding player of the game was Greg Wright, who made some excellent shots.

Booters Lose Twice

by Nick Smith

On Oct. 23, Caltech's undergraduate soccer team played Cal Poly (Pomona) in a varsity and JV double header. Caltech's varsity lost 3-2, but the JVers were more fortunate, fighting to a 2-2 draw in a darkness-shortened match.

Even though the varsity lost, this was their best game to date in actual play. Caltech played smoothly, as a team, for most of the game. After a very hard opening drive, Jerry Eisman scored the first Tech goal after less than two minutes of the elapsed. Tech held this 1-0 lead until Cal Poly scored two seconds before the end of the period. Eleven minutes into the second period, Nelson Briceno made it 2-1 Caltech, but Cal Poly again tied it up. The half ended with the score at 2-2, but Cal Poly changed that at the outset of the third quarter with a quick goal after two minutes of play. Caltech was outplayed in the third quarter, but they allowed no further scores. From that point on, and through the second quarter, it was mainly a defensive game, as neither side could quite break through to score. Both teams played well, and it was just a case of Cal Poly being a little

bit better that day.

Anyone who believed in omens would have realized that nothing would go right in Saturday's game at Redlands when it was discovered that all the soccer balls were on the bus to Las Vegas with the football team. As the team was preparing to leave for the game it was also noticed that three of the five allowed substitute players were missing. It was too late to find the others, so off the team went to Redlands, very shorthanded.

Caltech did all of its scoring in the first quarter, on Tech's first two shots at goal. Redlands eventually scored five goals, but this was not as much due to brilliant play as to a series of freakish defensive errors. For example, Caltech gave up one goal on a penalty kick after a Tech defense man caught the ball in the goal area, something that only the goalie can legally do. A second such error was when the Tech goalie dropped the ball, and was beaten back to the goal by the Redlands forwards.

Overall, Tech's biggest weakness was defense in this game. The offense was not really strong, but it at least put pressure on the Redlands defense sometimes.

Tech's next game is against Occidental, here, this Saturday morning at 10:00 a.m.

Page Wins

Page won Interhouse softball with a 6-0 record. They have a good start towards capturing their second straight Interhouse trophy. Fleming was second with a 5-2 record while Lloyd was third at 4-2. As of this writing with one game apiece to go, the other standings are as follows: fourth, Dabney, 2-3; tied for fifth are Ricketts and Ruddock, 1-4; and seventh, Blacker, 0-5.

This year's Interhouse softball had some outstanding players. Ault of Page and Davis of Fleming are outstanding pitchers. Davis is an extremely fast pitcher and is perhaps one of the best yet to play Interhouse softball. However, Ault is backed up by the strongest defensive unit and the team with the most finesse.

Caltech students presenting a student body card will receive a 50c reduction in the cost of a normal style haircut at:

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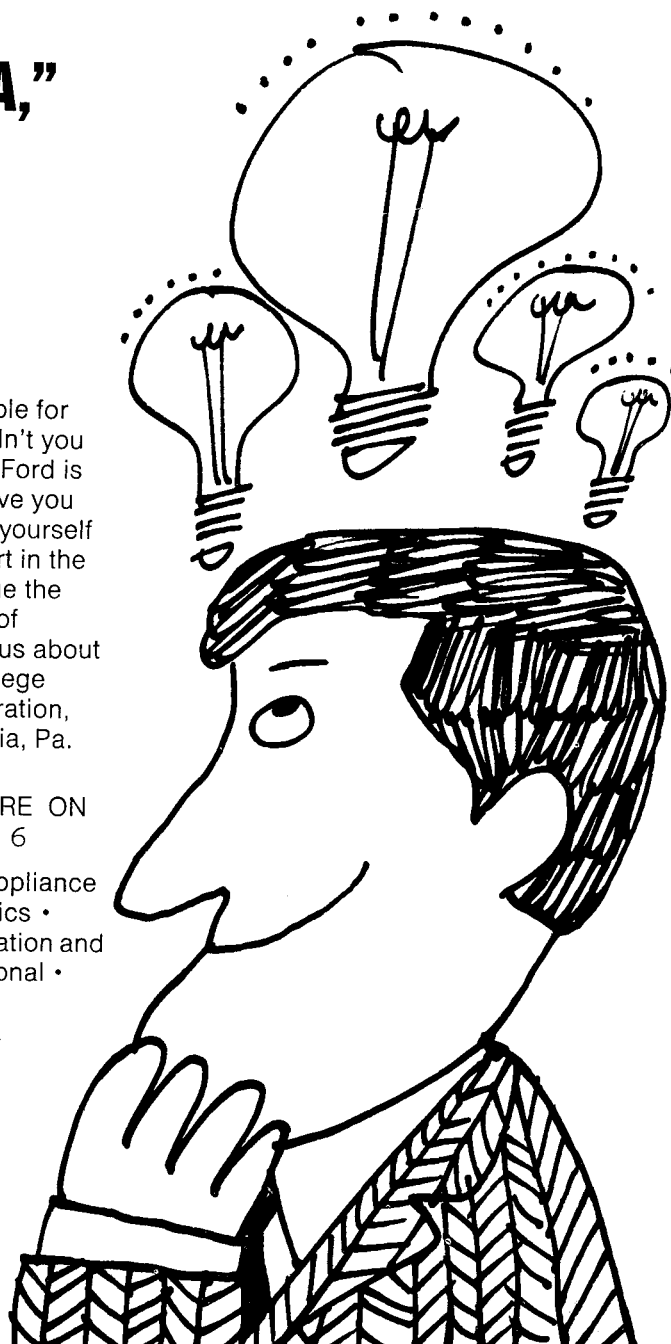
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What to Do When Wallace Wins!!

(For SDS, AVWC, YD's, etc.)

1. Jump up on nearest table
2. Drop pants
3. Bend over
4. Kiss your — — — good-by!

(paid political announcement)

Alumni Get Black Power

James B. Black has been chosen by Caltech and its alumni association to fill a new post of executive director of alumni activities. Mr. Black will administer all alumni affairs, direct the personnel of the campus alumni office, and will act as the liaison between the alumni association and the Institute administration, faculty, and students.

According to Dr. Donald S. Clark, secretary of the Caltech alumni association, Black was chosen by a committee of Institute and alumni personnel from over 85 applications. He comes to Caltech from Maywood, where he was city administrator. Prior to that, he was chief financial officer and assistant city administrator for the City of Commerce. He was graduated from the University of Southern California with a Bachelor of Science in Public Administration.

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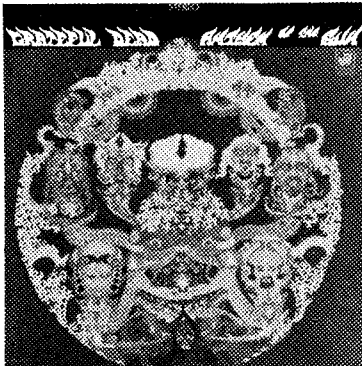
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Incinerator

(Continued from page 3)
grades. I don't know of any worse case of mental cruelty than getting poor grades in our highly competitive community."

Grades Are Cruel

"Absolutely right!" the chairman said. "By moving to eliminate all grades we could really keep the Institute out of legal trouble."

Barrelmaker tried to get another proposal in at this point, but couldn't get the attention of the committee, who were by now enthralled with the idea of eliminating all undue hardships for Theocers.

A member of the committee was protesting, "But we can't just stop at graduation. We have to keep protecting our alumni too."

Velvet Lined

"That's right," said the chairman, "and I think we should work for the day when after graduation, a Theocer can get automatic admittance to the grad school here; get a T.A.-ship; and, after receiving an advanced degree, be given a professional po-

sition here. That way a Theocer would never have to fear of mental or physical cruelties."

Wild applause greeted this proposal, and the applause was even wilder when another committee member proposed that the Institute supply female partners for all male Theocers, so that the undergrads would never really have to fret about anything.

Barrelmaker decided to leave when a debate began on whether the addition of females could possibly lead to indignities, as he felt he could contribute nothing to the subject.

Intelligent Approach

"Yes," he thought to himself as he made his way back to his dorm, "it's really wonderful the way we prove that we are more mature and intelligent than students in any other college."

"I have faith in my leaders; and I know they'll consider the issue fully, and won't overlook the cruelty of not allowing Theocers to keep pets in their rooms."

"I just don't know how I've survived without the companionship of my pet bunny," Barrelmaker sighed sadly to himself.

Jewish Mother's Word Broth

(Continued from page 2)

My activities certainly won't interfere with his, and I feel that he is being a prude. What do you say? K.L.N.

Dear KLN,

Of course he's a prude. But if you really like the guy, I'd suggest that you get your girlfriend a room and stay with her for the weekend. And if money is a problem, perhaps your roommate wouldn't mind having your girlfriend sleep in one bedroom and you and him in the other.

—O—

Everyone has a problem. What's yours? For a personal

reply please write to Dear Fanny, c/o Winnett Center, and remember . . . for specific answers, Fanny needs specific questions.

Notice

(Continued from page 3)

ALPINE CLUB MEETING

There will be an Alpine Club meeting tonight at 8:30 p.m. in Winnett Clubroom 1. Matters including equipment purchasing, weekly climbing trips, and membership will be discussed.

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(make it legal)

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