



PASADENA COED receives emergency attention in Noyes as a result of Tuesday's stabbing. Photo by Dave Peisner

Pasadena Girl Stabbed In Noyes; Suspect Still Sought By Police

by David Peisner

Another serious crime took place on campus Tuesday. A stabbing occurred just outside the Noyes stockroom.

The victim was a 16-year-old Pasadena High School student who worked here part-time in the afternoons. She was participating in a special program jointly administered by P.H.S. and Caltech.

Her assailant stabbed her at least three times, in the neck, stomach, and back, and she was admitted to the hospital in serious condition. However, at last report her condition had improved greatly.

The man who stabbed the P.H.S. coed was apparently a former boyfriend of hers. It was alleged that earlier in the day he was asked to leave the P.H.S. campus, where he is currently on probation.

He reportedly approached the victim at approximately 2:30 in the afternoon and argued heatedly with her. Less than five minutes later, he is alleged to have stabbed her.

He ran from the scene and was chased across Wilson, but escaped. Meanwhile, the girl was able to run three quarters of the length of Noyes, leaving a trail of blood on the floor before she

collapsed. She remained conscious throughout the ordeal.

Police announced that they are looking for Robert Winbush, Jr., for questioning in the case.

Merry Prankster

Coming to Visit

Campus on Monday

by Etaoin Schroedlu

To whom it may concern: Ken Kesey is coming to campus on Monday!

For benefit of those in the audience who aren't aware of what that means, or need a reminder, Ken Kesey is the author of two best-selling books, *One Flew Over the Cuckoo's Nest*, and *Sometimes a Great Notion*, a recent movie starring Paul Newman, and a recent release of collected writings, a founder of the LSD and heavy drugs movements and the hero of Tom Wolfe's classic *The Electric Kool-Aid Acid Test*, the man who introduced the Hell's Angels (remember Hunter Thompson?) to polite society, and a guru of the *Whole Earth Catalog* people. Kesey's literary work includes some of the most important writings of the last fifteen years, and may be familiar to some Techers as a result of inclusion on literature reading lists. He is reported to be a brilliant speaker, and one of the largest heroes of the 1960's anti-culture.

Kesey's visit to Caltech is sponsored by the Caltech Y. He will be speaking in Winnett Lounge this Monday at 4 p.m., and will give a presentation at 7:30 p.m. in Baxter. Don't miss him, his public appearances are rare!

BOD Finally Orders ASCIT Bus

by Dennis Mallonee

The Board of Directors met Tuesday after lunch (the cosmic time of the week when all the world's work gets done) in a thrilling, action-packed performance of virtuosity that may boggle the minds of men for many years to come. The steps taken by the BOD were designed to cut to the heart of ASCIT's corporate structure and improve

Next week's *Tech* will be the final issue before the February 18 elections. All candidates for elected office may (and are specifically requested to) submit a statement for publication on February 15.

A candidate's statement may be of any length. It should be concise, however, and detail the candidate's qualifications for the office, contain his position statement, and express his reasons for seeking the office.

Statements must get to the *Tech* office before noon, Wednesday, February 13, in order to be assured a spot in the paper.

—GDC, EHE, DLM

the flagging organization's ability to pump life into the student body.

The Board authorized the purchase of the long-sought ASCIT Bus, approved three propositions, found an Election Chairman, approved some minutes, and adjourned.

Discussion began in Winnett at about 12:15 when Rutherford sprang into the lounge bringing a quorum with him. Peisner, Massey, Manis, Wakai, and President Mark Johnson were coolly waiting while wondering frantically if anyone else would bother to show up. Mallonee (that's me) passed out copies of the Excom's propositions to most everyone who was there.

While several people were looking through the voluminous mass of material (duplicated on pages seven and eight), Flora wandered in and insisted that the BOD buy the stupid ASCIT Bus. There's a long story behind the Bus, which is inserted somewhere else in this issue (maybe page three). Mallonee meanwhile protested being made Election Chairman.

Peisner (or someone) pointed

out that Mallonee was running for Secretary and that it would be unseemly for him to also be Election Chairman. Donner said that he would like to be Election Chairman, and so got stuck (poor Marc).

The Excom's proposals were debated at some length and were put onto the ballot intact. Supposedly they are designed to eliminate confusion and restructure the basic goals of the corporation's committees. But there's an article on that somewhere else, too. The BOD adopted what would become Article IX (when and if the propositions pass) as a replacement for Resolution III, and also adopted a Resolution dealing with class officers, which reads:

Section 1. In accordance with tradition, elections for senior, junior, and sophomore classes shall be held in May at the discretion of the Board of Directors. Class officers shall be President, Vice President, Secretary, and Treasurer, and shall take office at the beginning of the next academic year.

Section 2. A class officer must be a student at the Institute, and a member of the class he represents.

Section 3. The officers for the senior class shall be responsible for setting the date of Senior Ditch Day and for determining the form of each year's Commencement exercises.

Section 4. The officers for the junior class shall be responsible for organizing and judging a Mudeo, a contest between the freshmen and sophomore classes, during the first term of each academic year.

Immediately upon passage of the new resolutions, Peisner and Massey went into diatribes about clubs and the Health Center, respectively. Massey's arguments are essentially reproduced in *The Caltech Forum* this week. Peisner suggested several alternative methods that could be taken in order to get student clubs onto the proper footing. None of them seemed to have any redeeming social value.

The BOD ultimately adjourned and set the date for their next dull meeting at Tuesday next, 12:00, in Winnett Student Center Lounge.

q Who Is This Persn?



STRANGE, ALIEN BEING, bearing a faint resemblance to ASCIT President, Mark Johnson, protrudes an as-yet unexplained organ in an obvious effort to simulate oral intercourse. Photo courtesy of Floyd Clark

News Briefs

ASCIT Offices Still Vacant

Nominations for all ASCIT offices close today at 5 p.m. ("Still not soon enough, by damn"—Nicholas van Rijn.) People wishing to nominate themselves before then may do so on Flora's door in Winnet.

The election shall be held on Monday, February 18. A campaign schedule will appear this weekend for those who wish to give short talks after dinner. ("Ja, short is right.")

BOC Now Looking For New Suckers

The Board of Control is now accepting applications for its two

Representative-at-Large positions. Anyone interested should contact his house BOC rep or Alan Shiller, 221 Ruddock. Interviews for these positions will be conducted in the next two weeks.

Totem Is Still Around

Caltech's literary-art collection *Totem* is still accepting material. Any short stories, poetry, photographs, or what-have-yous should be directed to Phillip Massey (Ruddock), Gesine Lohr (Dabney O/C), or taken to Flora's office in Winnett.

Dixieland Jazz???

Anyone interested in playing in a Dixieland Jazz group (students, faculty, employees, spouses, etc.) please contact Professor James Quirk, x1218 (205 Baxter).

New Archeological Finds In China

The Caltech Chinese Student Association will present a film on new archeological finds in Mainland China on Saturday, February 9, at 2:00 p.m. in 153 Noyes. The film, entitled *New Archeo-*
Continued on Page Six

Editorial

Another About B&G

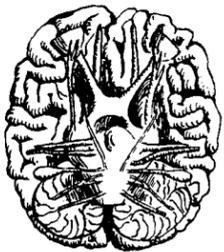
Every couple of years, the NLRB organizes a secret ballot to determine whether or not B&G would like to be represented by the Teamsters. The next one is coming up on February 27.

The situation is close to becoming perpetual. If the Teamsters lose this election, they can come back in two years and try again with a new group of B&G trolls. They may succeed next time.

Unfortunately, if the Teamsters win even one election (whether this year, or the next one, or the one after that), they will quite probably be permanently installed in Physical Plant. Labor unions are organized in a manner that makes it extremely difficult for a group of workers to revoke a decision to unionize.

Inevitably, if these conditions continue, B&G must become union. And if you think B&G is bad now, wait until *real* featherbedding starts.

-Dennis L. Mallonee
Gavin D. Claypool
Eric H. Eichorn



from the cerebrum

by Gavin Claypool

It was over Christmas vacation that Senator Mark Hatfield called for a National Day of Humiliation.

It seems that during the Civil War, President Abraham Lincoln proclaimed a National Day of Reflection, which occurred April 30, 1863. It was a day specifically set aside, so that Americans might take time to consider the issues and motives and events that had resulted in two years of bloody warfare.

Senator Hatfield believes that a similar "day" could be of benefit to the citizens of this country, given the present state of the U.S. Because of its likeness to the Lincoln proclamation, he has suggested that April 30, 1974 be chosen for this purpose.

Moving Right Along...

That's all I intend to say about the Hatfield proposal, which doesn't appear to have gotten anywhere beyond that first announcement. It did spur me to think how such a day might be recognized here at

Tech, and its sheer timing was too good to be true.

Since registration day third term will be April Fools' Day, it took very little time to deduce that April 30 would be during the fifth week of the term—which was, of course, midterms week.

Very appropriate. Yet I could not resist checking the catalog for confirmation, and became rudely disillusioned. Defiantly, it said: *May 6-10 Mid-Term Week.*

No more chance for national recognition! The sight of an entire student body humiliating themselves on that day would never grace the television screens of this land. In fact, we lost another opportunity for raising that \$999,988. What cruel fate had betrayed us?

Under the circumstances, I had to check second term. The black hand had struck there too. *February 11-15 Mid-Term Week.*

Anyone for 4-1-4?

Who did it, of course, was the Registrar's Office. But don't blame it on them. The real

Continued on Page Eleven

THE ASCIT FRIDAY NIGHT MOVIE

Billy Jack

at 7:30 and 9:30 p.m.
in Baxter Lecture Hall

Admission: 50¢—ASCIT members and their guests; \$1.00—anyone else

Next Week:

Play It Again, Sam

THE CALTECH FORUM

Health Center Gripes

Last week's issue of the *Tech* contained an article revealing that the Health Center's administrators had seriously considered closing the center during evenings and firing the registered nurses. I find it very disturbing that in a small, supposedly tight-knit community whose motto is "the truth shall make you free" that this possibility was being seriously considered but not discussed, and that it was only through a very fortuitous sequence of events that the matter came to light when it did. If the staff of the Health Center had not been hearing rumors of their possible dismissal for weeks and had not forced a meeting it seems entirely possible that the first time we would have heard of the matter would have been in a memo sent out during the summer. (Any similarity to the change in Security and Dr. Miller's demotion is purely coincidental.) I am very curious as to just what was going on.

A decision concerning the health services here certainly affects students strongly. The only redeeming feature of paying \$55 a year is the knowledge that if one gets sick at 4 a.m. there is some place nearby one can go for competent help—not "students trained in first aid." I don't think this is an unreasonable expectation; certainly this type of service is available at most colleges. Furthermore, of all the personnel of the Health Center, it's clear to me (from my experiences, anyway) that the registered nurses should be the very last to go—not the first. In any event, I don't understand why this matter couldn't have been brought to light and discussed civilly—why were the Health Center personnel apparently forced into a position where they had to take steps to find out the true situation?

I once stated that such past communication failures seemed to be primarily a matter of bureaucratic incompetency. I

don't know, it's very hard for me to believe that this was the case in this particular instance: an editor of the *Tech*, alerted to the meeting by the Health Center staff, was barred from attending. Furthermore, the student member of the Health Committee was not notified of the meeting, except by the staff, and he, too, was barred from admission when he showed up. I can understand the reluctance on the part of the Health Center's administrators to broadcast their intentions until they had settled things internally; what I cannot understand at all is Dr. Hunter's subsequent remarks to the *Tech* that he didn't think students should get involved in the matter since they had no understanding of the financial and medical considerations involved in such a decision. I had always thought that the Health Center was there primarily as an aid to students.

While I'm on the matter of the Health Center and unpublicized matters, I seem to recall that last year a very detailed questionnaire was circulated by the center, primarily aimed at finding out what the real failings of their services were. Students had always tended to gripe about the services, particular the doctor care, but the questionnaire seemed aimed at separating real problems from common gripes. Unfortunately, the results appear to have become lost. They were certainly never released.

Philip Massey
Ruddock

ONCRC Gripes

I am a resident of Pasadena, and a neighbor just showed me the most recent issue of your newspaper. I would like to know who is O. N. Crick? Is he a member of your staff? I believe it is a very poor idea to spread information about the Official Nonviolent Campus Riot Committee. I sincerely doubt that it is "nonviolent" or that it is "official." It sounds like a group

of troublemakers to me. They haven't even decided on a purpose yet.

I considered the possibility that it is only a joke and that the ONCRC does not really exist. If that is true, then it shows lack of judgment and very poor taste on the part of the editors for printing it, and O. N. Crick should be told that it is not a very funny joke.

-Mrs. A. R. Stone

Paranoia Gripes

The appropriate mood of paranoia now grips the campus and the security force for action which will finally end the libertarian threat to our livelihoods.

I would like to propose what I feel to be the only system which can provide adequate protection for the Caltech community. The initial step is the erection of a ten-foot cinder-block wall about the entire campus, the wall to be topped by electrified barbed wire. Entry gates for the campus will be of reinforced molybdenum steel. Entry will be by magnetic cards of strictly limited issue. For the benefit of visitors, a gate manned 24-hours-a-day will be available, and a simple phone call to the host can confirm the visitor's right to enter.

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The CALIFORNIA Tech

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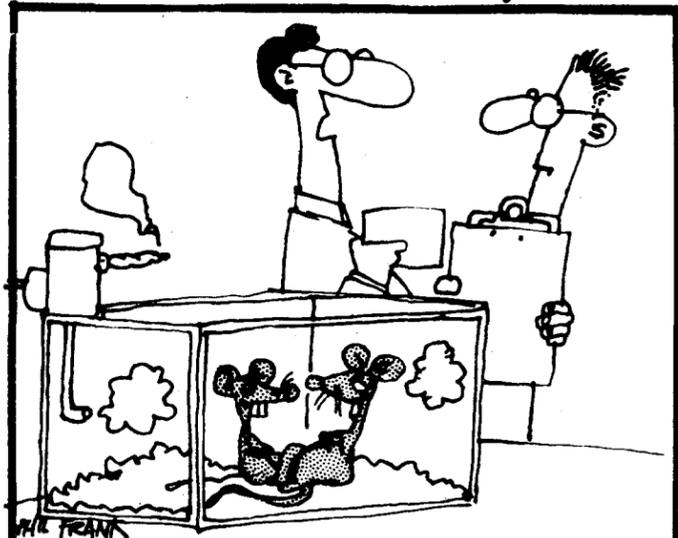
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'THE MARIJUANA SMOKING SEEMS TO AFFECT THEIR EATING HABITS - THEY'VE ORDERED OUT FOR A PIZZA AND TWO POUNDS OF CHOCOLATE DROPS!'

Alumni Portrait

Ex-Techer Survey Completed

by Etaoin Schroedlu

Every decade or so the Caltech Alumni Association conducts a questionnaire survey of the Caltech alumni. The most recent such study was made last year, with half the alumni responding and some of the results were printed in last December's issue of *Caltech News*, the Institute's alumni newspaper, along with comparisons to the previous surveys of 1952 and 1963. Since many Techers do not see the *Caltech*

News, the *California Tech* decided to take excerpts from the article.

By 1973, the age profile of Tech alumni had reached a relatively 'mature' state: only 17% of Tech grads were under 30 years of age, and 34.5% were fifty or over. Techers also do well financially, as well as become old: a whopping 60.7% of alums responding to the survey had annual incomes of \$20,000 or higher, and almost 10% topped \$40,000, while only

12.1% earned less than \$10,000, a number presumably including at least some inpecunious graduate students (such as yours truly). This tale of wealth matches Caltech's own growth, which the article reports at an increase in net assets from a paltry \$124 million in 1963 to \$278 million in 1973, and an increase in annual expenditures from \$17.9 to \$40.6 million in that period.

What DO Techers Do?

The most common occupation of respondents was Business Management Proprietors, 31.1%, followed by Education (which presumably includes professorships) at 20.2%, and Engineering 18.0%. Only 9.7% reported themselves as Scientists, a blow for the purists, while 7.0% had successfully reached retirement. The remainder was split among graduate students (6.3%) and Other.

The Occupational Industries reported were dominated by Manufacturing, Business, and Aerospace (whoops), a total of 46.0%, and Education, 29.1%. Government claimed 7.9% (none of whom, to the best of my knowledge, are menial plumbers or launderers), with transport, public utilities, and communication totaled 3.6% and services 3.5%. The evil military claimed 3.2% of our comrades, 2.8% reported Other, and 3.9% returned 'Don't Know[!]' or 'No Answer.'

Take BEM 100 and Manage!

The share of alumni with undergraduate degrees in engineering and applied science has unsurprisingly dropped since

1963, from 66% to 50.1%. Physics, Math, and Astronomy now claims 23.6%, up from just 13.0% ten years earlier, while Chem/Chem E has 16.7%, Geo and Planetary Sciences 5.2%, Bio just 3.7% (but rising fast) and HSS a meager 0.8%. The graduate students took roughly similar patterns of degrees.

The 1973 survey reported that 44.3% of our alumni were Republicans, only 27.1% Democrats, 25.7% independent. An impressive 90.4% reported that they had voted in the last presidential election; it is unrecorded how many are now sporting "Don't Blame Me" bumper stickers.

The data provides solid evidence that Caltech does not believe in nepotism: 89.9% stated that no relative of theirs had attended Tech, and only 1.7% were directly descended from a Caltech alum. (The standard Caltech Admissions Committee

policy on descendents of alums has been to offer special consideration in the matter of interviews, but *not* in the matter of admission itself.)

Money Matters

Only 8.6% of the respondents reported that they had earned none of their Tech expenses while a student; 23.2% earned between 40% and 90% of their expenses, while 11.4% earned more than 90%. Over two-thirds (67.4%) earned money at summer jobs; 45.5% made use of a school-year job. Undergraduate Institute scholarships benefited 27.1% of the sample, Institute loans helped another 16.4%, and government loans went to 10.1%.

The 1973 respondents needed to come from city backgrounds: 35.2% reported that they grew up in a metropolis, up from 27.0% in 1963 and 25.0% in 1952. The 1973 percentages from all other backgrounds (big

Continued on Page Twelve

The ASCITBUS?

Truth Behind The Bus

by SMC Sweeney and Gary Wakai

ASCIT has a bus (finally) after nearly three years of false starts and procrastination. The BOD approved the purchase of the van this Tuesday, with the order being placed at the same time. At the worst, the van should arrive just in time for third-term music appreciation day.

The gas-powered monster costs \$4,774.35, all in small, unmarked bills. The money was turned over to Orrin W. Fox and Co., purportedly a car dealer.

The Gnome Club contributed the vast majority of the money to pay for the bus quite some time ago. With interest, the contribution comes to \$4260.

But prices rose much faster than interest rates the past few years (oh, yeah?), and left a bit of a deficit. It is being made up by ASCIT and other sources.

Seating for 12 is featured on the ASCITBUS, along with turbohydromatic transmission (oooh!); heavy duty battery, springs, and shock absorbers (aaaah!); a stabilizer bar (eeehh!); LARGE mirrors (blark!); and *equally* impressive battery, oil, and water gauges (oooff!).

The color of the bus is unknown and rather unimportant. ASCITBUS will probably be decorated quite elegantly as time passes by (besides the dents, bumps, and scratches).

Talk About Keys, Thefts, Parking

Security Meets Techers

by E. Squirrel Mole

A Wednesday afternoon coffee and donuts get together with Campus Security in Winnett was sponsored this week by ASCIT. The meeting, lasting almost two hours, was attended by Lee Chapman, manager of Security; Sgt. Dave Rivera; the watch commanders from all three shifts; random other Security personnel; A representative from K&S, the contractor who provides the Security personnel; about 15 Darbs; 20 other Techers; and Lyman Bonner (who left early).

Starting off with informal chit-chat between students and guards... er, Security officers... the meeting quickly developed into a question-answer format, with Chapman fielding questions from the assembled Techers. The rest of the force was not heard from again until near the end of the meeting, which seemed to suit them just fine.

Lock your door

The problem which was on most people's minds was the recent stabbing in Noyes. Chapman described the circumstances of the stabbing, pointing out that the attacker had followed the victim (a former girlfriend) to Tech and stabbed her, probably would never be back again, was clearly not a mad stabber who was hanging around Tech, and therefore no one needed to worry about it. The next question (predictably) was whether or not the fellow had been caught, which Chapman didn't know. Asked "Why not?", he replied that PPD, which has taken over the case, had not seen fit to call him and tell him.

Another item of major concern was the high number of thefts that have been occurring recently. Chapman stated that while there had been a lot of thefts in the last

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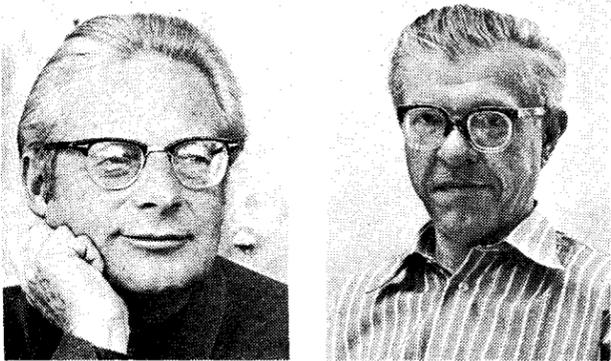


My Valentine List for Thursday, Feb. 14:

<input type="checkbox"/> Wife	<input type="checkbox"/> Cousin
<input type="checkbox"/> Husband	<input type="checkbox"/> Sweetheart
<input type="checkbox"/> Mother	<input type="checkbox"/> Secret Pal
<input type="checkbox"/> Father	<input type="checkbox"/> Professors
<input type="checkbox"/> Son	<input type="checkbox"/> T. A.'s
<input type="checkbox"/> Daughter	<input type="checkbox"/> ASCIT officers
<input type="checkbox"/> Brother	<input type="checkbox"/> House officers
<input type="checkbox"/> Sister	<input type="checkbox"/> U. C. C.
<input type="checkbox"/> Aunt	<input type="checkbox"/> "95" exam grader
<input type="checkbox"/> Uncle	<input type="checkbox"/> Dr. Brown
<input type="checkbox"/> Niece	<input type="checkbox"/> Campus security
<input type="checkbox"/> Nephew	<input type="checkbox"/> B & G

We have the perfect Hallmark card and gift for all your special Valentines.

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Leo Smit

Fred Hoyle

SCIENCE FICTION

- Films**
- The Time Machine — Feb. 12
 - Forbidden Planet — Feb. 19
 - Planet of the Apes — Feb. 26
 - Surprise — Mar. 5
- Caltech students: \$1.00 per evening*

Seminar Fred Hoyle & Leo Smit
 Friday, March 8 — 8 p.m.
 at Ramo Auditorium

limited number of \$1.00 tickets available for Caltech students

Symposium

with Robert A. Heinlein, Poul Anderson, Harry Harrison, Larry Niven, Dr. J. E. Pournelle, and Robert Silverberg

Saturday, March 9 in Dabney Lounge

Free

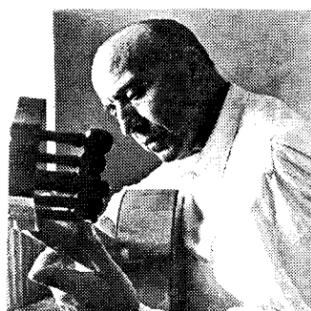
important notice for guitar aficianados.

CARLOS MONTOYA

is coming to Beckman

March 1 & 2 at 8 p.m.

Special Discounts for CIT students



Carlos Montoya

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Now Thru Sunday
 Capers & Carson
 Father Guido Sarducci
 Fats Johnson Extravaganza

MUSIC and COMEDY

Next: Ron Coden

It's The Vienna Choir And a Sci-Fi Festival

by Marc Donner

Hello, sports fans! This week in the entertainment schedule at Caltech we have a quartet of good things for you to go and see.

First of all, the Vienna Choir Boys will be performing in Beckman at 8:00 p.m. tonight. This is their *n*th visit to Caltech. They are always well-received. If they aren't sold out by now, you can obtain tickets at the ticket office.

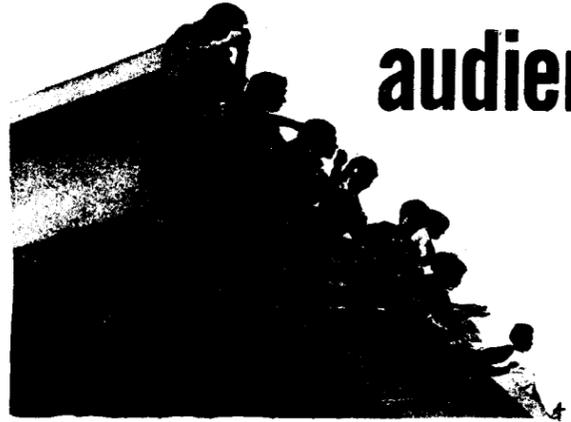
Next Sunday, the incomparable Jean-Pierre Rampal and Robert Veyron-Lacroix will be performing in this year's third Coleman Chamber Music Concert in Beckman Auditorium. Rampal's virtuosic flute playing and Veyron-Lacroix's magnificent

keyboard artistry are renowned world-wide. They will perform works by Handel, Leclair, Bach, Copeland, and Prokofiev.

On to Other Stuff

Remember the opening of the Science Fiction Film Festival next Tuesday.

The big news this week is next weekend's Dabney Lounge Chamber Music Concert. On Sunday, February 17 at 8:00 p.m. in Dabney Lounge, Barry Schreder, composer of Electronic Music and Films will present a selection of his work. This includes Quadrophonic sound and the premiere of a complete version of a work called *Bestiary*. The performance is free, and should be quite worthwhile.



audience

by Greg Simay

Corpses! Rivers of filth! Crowded cities, slum cities, riots! *Survival of Spaceship Earth*, a film/discussion sponsored by CEAC and the Caltech Y, dramatized the effects of the technological and population explosions last Tuesday evening in Winnett Lounge.

Survival was created for the 1972 Stockholm Conference on

the Human Environment, and was well-received there. Among the film's script writers was John Holdren, a former Techer.

Professor Harrison Brown, anthropologist Margaret Mead, and Pulitzer-prize winner Rene Bubos were among the experts featured in the film. Their message is grim: If the world persists in unregulated technological and population growth, vital resources will continue to dwindle, and pollution will skyrocket. If we wish to avoid famine and war, growth must be balanced against preservation of the environment.

Professor Brown noted that the "mobility of the people," as well as the "sheer quantity of the people," has contributed to

the population problem. Rural to urban migration, for example, has peppered the Third World with slums.

Margaret Mead pointed out that the "quality of life, especially among the elderly, has decreased." To restore the balance between people and resources, she encouraged society "to invite fewer people into the world."

While moved by the film's portrayal of human suffering, the audience was also critical of it. *Survival* emphasized drama at the expense of hard-nosed analysis. The solutions offered were banal and oversimplified. The emotional tone of the film tended to engender despair rather than determination to solve the problems.

Discussion moderator Brian Yandell observed that *Survival* aimed at the uninformed layman, not the scientist. "The audience felt a need for follow-up films including more scientific detail and discussion of current and future political solutions."

Anthropology professor Thayer Scudder and Edward Groth III, research fellow in the Caltech Population Program, were present for the discussion.

Primitive and Modern

Margaret Mead Lectures on Women

by Chris Harcourt

Last Thursday, Beckman Auditorium introduced—and claims to have ended—a new seating policy. This policy is to place extra seats on the stage behind the speaker. Fortunately, the policy (the result of a ticket mix-up) was justified by the excellent speaker, Dr. Margaret Mead.

Closing out the L. S. B. Leakey Lecture Series, Dr. Mead spoke on the topic *Women—Primitive and Modern*. This was, of course, a controversial and delicate topic, and one on which Dr. Mead was eminently qualified to speak. The lecture itself was a brilliant mixture of an incisive wit, accepted fact and theory (much of it the work of Dr. Mead herself), and an admitted amount of speculation. One is inclined to lend credence to these speculations, however, due to Dr. Mead's exceptional credentials.

Dr. Mead began the lecture with a slightly inaccurate recounting of her prior trip to Caltech. She was invited in 1961 by the YMCA, she said, to explain why Teachers weren't doing as well with Ivy League women as were Ivy League men — the cause for this concern being the recent discovery (in Kerckhoff, no doubt) that women, as well as men, pass genes to their children. The answer was obvious. Teachers were treating their prospective mates as nothing more than receptacles for the propagation of their respective geniuses. Now, Dr. Mead understands, "They have women and humanities right on campus." This anecdote led most artfully to the examination of the function and/or role of women through history.

Biological considerations were the first examined. The human species has a unique period of latency-delayed puberty—which allows the development of potential. (This led to a question as to whether sexual activity slowed the mental processes, for which the answer was "Not slowed down, but more distorted.") The invention of menopause, another uniquely human feature, allowed women to survive child-bearing,

and provided humanity with a dandy memory storage unit. Latency improved intelligence in both sexes, and made women a functional facet of society.

Women's main role remained child-rearing (the child came from her, and paternity had yet to be discovered), however, and thus the organization of society was that women remained in and near the camp foraging for plants while the men went off into the big world to hunt—and generally fool around (snide!—but accurate). An assumption as to what followed is that women discovered horticulture and men discovered herding. Role differentiation was established and stable.

Then came two discoveries. One was paternity (undoubtedly made by women, being the only ones with the requisite data) which tied the male into the family. The other discovery was agriculture. This was a problem. Agriculture was possible by the combination of animal (male province) and plow (female province). Men took over the entire combination, and "Have been trying to get off the farm ever since."

Civilization may be seen as the attempt to get off the farm. This was fine for the men, but women were still tied to raising the child. So woman's domain was inside, and the man's domain the exciting world outside. It can be seen here how the "Garbage" symbolizes the role changes. It goes from inside to outside, so who is the one to take the garbage out?

This has been the lot of women from humanity's inception to the present day. It is only now that child production is being de-emphasized, so that the role differentiation scheme of the last *n* years is no longer necessary. Thus, the time has come for the change, a traumatic one for all involved (that includes you). Dr. Mead offers experimentation for the next 25 to 50 years, with three possibilities:

- (1) Kill sexual differences with gene engineering and test tube babies.

(2) Realization of physiological differences with the allowance of these for determination of relative roles.

(3) Both parents could raise the child, changing predispositions and preoccupations in ways currently unforeseeable.

The point of all this is that if women don't have to be parents, what else can they do? As Dr. Mead says, "We don't know." Between men and women there exist many physiological differences. As for other differences, we can't say. Perhaps with equal upbringing innate differences in psychology or temperament will appear. We just don't know.

The scenario Dr. Mead sees is that of fewer families. The family will become a vocation, with no peer pressure to procreate. She looks to a post-industrial world where communities will once again be built, and where the individual will no longer be left in the lurch. Questioned specifically on the next 25 years, Dr. Mead expressed hope that not too much time would be spent on the sexes, for both would be needed.

All in all, Dr. Mead is a truly remarkable individual, and her return is to be awaited most eagerly.

Gamesters To Hold Two Miniatures

by Bob Cowan

The Caltech Gaming Chapter will hold two naval miniatures games this Saturday (with the help of Spartan International). The first will start at noon, and the second at 7:30. Both will be held in Dabney Hall Lounge, and both will feature contests between fairly competent admirals. Some of the best ship commanders in the Spartan League will be here, so come on out and see how you do against them.





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No One Under 18 Admitted

ONCRC Holds Its Second Meeting In Athenaeum

by O'Crick

Yesterday evening the ONCRC gathered for a short meeting in the Athenaeum card room, reports Committee President John Smith. The Committee members were pleased to learn of the community involvement in the group's activities. The local news media have shown great enthusiasm for the aims and goals of the ONCRC. Most notable was the slogan suggestion submitted by Mr. Ray McConnell of the Pasadena Star-News. His slogan, "Why?", was unanimously accepted by the committee. For this, Mr. McConnell was made a Life Member of the ONCRC.

The possibility of obtaining cheerleaders was brought up by ONCRC Secretary John Smith. She will report further on this proposal at the next meeting. Arrangements for a National Guard appearance and recruitment of outside agitators are presently being made. Finally, before adjournment, the Committee voted 15-2 to delete "non-violent" from the group's name. Meeting next week at the usual time.

				1 M	2 U	3 R		4 O	5 N		6 K	7 D	8 A	9 T	10 E	11 R	12 G		13 S	14 P		15 C	16 G			
17 L	18 O		19 L	20 M	21 O	22 T	23 L	24 C	25 I	26 H	27 J	28 P		29 T	30 R	31 O	32 N	33 A	34 C	35 F	36 I		37 M			
38 F	39 D	40 G	41 N	42 R	43 U	44 Q		45 C	46 I	47 K		48 M	49 J	50 A	51 E		52 R	53 U	54 E	55 K	56 G	57 L		58 P		
59 S	60 N		61 B	62 H	63 K	64 N		65 F	66 C	67 P	68 U		69 B	70 G	71 E		72 P	73 S	74 A	75 C	76 I	77 M		78 O	79 S	
	80 K	81 A		82 I	83 R	84 N		85 A	86 C	87 I	88 L	89 G		90 S	91 O	92 M	93 H	94 J		95 L	96 F		97 R	98 O	99 H	100 B
101 H		102 B	103 I	104 J	105 E	106 J	107 C	108 K		109 T	110 C	111 D	112 E	113 O	114 M	115 L	116 H		117 H	118 U		119 L	120 A			
121 B	122 U	123 D	124 Q	125 G	126 D	127 O	128 R		129 O	130 Q		131 R	132 M	133 U	134 B		135 T	136 C	137 U	138 F	139 I	140 N	141 G	142 K		
	143 P		144 F	145 P	146 C	147 R	148 G	149 E		150 L	151 E	152 T		153 L	154 P	155 G	156 H		157 O	158 K	159 M		160 Q	161 S	162 F	
163 A	164 J		165 A	166 R	167 B	168 D		169 F		170 C	171 Q	172 E	173 P	174 T		175 S	176 G	177 F								

CLUES

WORDS

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DOUBLE CROSS-UP

No. 1

By Lora W. Asdorian

Consider the clues from all angles; they may CROSS you UP! The clue may be a pun on the word wanted, or an anagram of the word itself. Usually, the clue contains a definition (synonym) as well as a cryptic representation of the word. Certain words may stand for letters in an anagram, e.g., NOTHING, TEA, SEE, WHY, YOU, and BE may represent O, T, C, Y, U, and B. The word could also be hidden in the letters of the clue, e.g., the phrase "human being rated as unthankful" contains the answer INGRATE. The word might be defined in two parts, e.g., a clue for FORESTER is "ranger in favor of organic compound" (FOR ESTER). Write the words over the numbered dashes and then transfer each letter to the correspondingly numbered square in the diagram. Black squares indicate word endings. The completed diagram will contain a quotation reading from left to right. The first letter of the answered words will give you the author's name and title of the work from which the quote comes.

- A. Miners red lanterns are warnings of danger 8 163 74 33 120 165 85 50 81
- B. Feed mad lies causing slandered character 121 134 102 69 61 167 100
- C. Legacy given me that be queen worthy 170 66 86 110 136 107 45 24 75 146 34 15
- D. In Phila., test which is the most recent 111 126 7 123 168 39
- E. Bird flew clumsily, went to hawk ward, lying there several days 151 105 10 54 172 149 71 112 51
- F. Winner with extreme discomfort from a bout with the bubbly 144 162 169 65 138 38 35 96 177
- G. Nash's knives cause trickery 141 176 155 89 40 125 16 70 148 12 56
- H. This the norm, sing in the A.M.s? 26 62 99 156 117 93 116 101
- I. One of these is certainly not in your dwelling! 103 25 82 46 76 87 36 139
- J. Watch her follow rat? I'd prefer not 164 27 94 106 49 104
- K. Jane's thesis is a sensation! 55 142 108 158 47 6 80 63
- L. Place restriction on droll imitations 23 95 150 88 153 17 57 119 19 115
- M. Not on the defensive, but still obnoxious 132 1 20 159 77 37 114 48 92
- N. Short touchdown later flustered the opposition 41 140 5 64 32 84 60
- O. Ethnic background is Italian, why not! 129 21 157 78 98 127 31 91 4 18 113
- P. Have a clan of relatives descend upon your house 58 173 67 145 143 28 72 154 14
- Q. Open these to let odors out 124 130 160 171 44
- R. Mover we held up was astounded 166 147 42 3 97 83 30 52 131 11 128
- S. Masculine name that goes with the fellow who invented the footstool? 73 161 79 175 13 90 59
- T. Pen point oozed bit lightly, perhaps? 152 9 109 135 22 174 29
- U. Land destructions soon rise from the ground 122 133 2 137 43 53 68 118

SILVER SCREENING

by David R. Smith

I. F. Stones' Weekly

That a film with such a title should be a joy to watch may require explanation. In case there is a generation gap which needs filling: I. F. Stone is a journalist who was blackballed from his profession during the McCarthy era because of his civil libertarian outrage and his anarchist's mistrust of the corruptibility of government and those who govern. Unable to get a job, he started his own small (four

page) weekly; ran it for 19 years; and closed it down in 1971 when he was 64 and tired. He wrote it, took subscriptions, proofread it, saw it through the press, and carted it to the mail box. And, somehow, in the process he became a national institution, the envy and conscience of other journalists, an anarchist whose bomb was the simple truth, a journalist whose forte was catching politicians lying. As for the latter, he found it easy enough

Continued on Page Eight

Security

Continued from Page Three

week or so, the total for the academic year was no greater than the same time last year. People who remembered how many thefts there were last year did not seem comforted.

Leave your key

Chapman stressed that Techers need to watch for strangers on campus, and should not be shy about asking someone for ID. If someone is unable to identify himself, call Security.

Security's policy on Techers found in locked buildings was questioned. Chapman made a distinction between academic (i.e. Bridge) and non-academic (i.e. Business Services) buildings. In the former case, it is assumed that there might be some semi-legitimate reason for being there, while in the latter there is clearly not (apparently hunger is illegitimate after 6 p.m.). In an academic building, a student's name and number would be recorded, and probably nothing else would happen. In a non-academic building, the incident would be reported to the Deans' office (it has been experimentally determined that

this rarely leads anywhere), and the means of entry confiscated (this can hurt).

Don't get caught

The hypothetical situation of a Techer refusing to give up a means of entry was raised. Chapman said that while they "would like to" have whatever he used to get in, that they would not search the person. However any packages that the person was carrying out of the building might be inspected. "What if he has half a key?", someone asked. Possibly in an attempt at humor, possibly to avoid the real question, or possibly out of genuine naivete, he replied, "We find them in doors all the time." "No, he meant a pound." Chapman: "Uh..." Officer: "We'd know it didn't come from Business Services." [Laughter] Chapman (recovering): "It would be confiscated."

This led naturally into a discussion of Security's policy on possession of illegal drugs by students, which it is rumored some do. Chapman stated that no attention is paid to the use of illegal substances in the student houses, and that packages in the possession of students in and around the houses would not be

searched. A member of the audience asked if this meant they had a "closed nose policy." Chapman (smiling) responded that they must always keep their senses active, so it could better be described as a "closed mind policy." We couldn't agree more.

In BSB

The issue of the possession of master keys by students started a discussion of who needs keys, who should be able to authorize them, and what should be done about them. Chapman feels that under no circumstances should students have keys not issued to them. They should be able to get official keys to places they work often, and Security can let them in to places they go occasionally. It was pointed out that some departments are extremely tight with keys, and that if Security had to open every door that is opened (legitimately) with students' master keys, they would have time for nothing else. The discussion went on in the same vein, with the usual arguments tossed back and forth, and no one convincing anybody of anything.

It was claimed by a student that under the Honor System

Continued on Page Eleven

-LOCH NESS- MONSTER PUB-

66 N. Fair Oaks

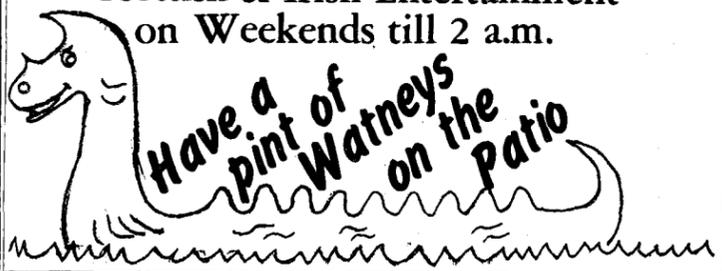
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Come and see the friendly bartender Johnny Nugent former Caltech security officer

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Yes on Proposition n

Excom Cleans Up Documents

by Dennis Mallonee

Despite the large number of words on page seven, the propositions coming up for a vote on February 18 will do very little in the way of surgery on the corporation. In fact, Propositions 3, 4, and 5 are designed to correct flaws primarily in the documentation of current corporation procedures.

The Excom has designed the propositions with the following purposes in mind: to transfer basic structures and procedures from the resolutions to the By-Laws, to close loopholes and assure that procedures follow practice, and to eliminate redundancies and contradictions.

Donner for Election Chairman

Elections and Election procedures are lumped together under Proposition 3 (in case anyone is interested, Propositions 1 and 2 happened last November and dealt with Publications). If the Proposition passes, the following changes will occur: the Secretary will be *required* to accept the nominations of corporation members for elected offices, it will be *required* that all nominees for elected office be listed on the ballot, the oath of office is slightly modified, the BOD will be required to hold elections to fill vacancies within twenty-eight

days, it will be legal for corporation members to run as a team for Athletic Manager, Activities Chairman, Social Chairman, and *Tech* Editor.

Strangely enough, election procedures will remain the same whether or not the proposition passes because the BOD has already replaced the old resolution III with what would become Article IX (which shows that at least the BOD likes it).

Executive Disarmament

There are fundamental changes that would occur in ASCIT Committees when and if Proposition 4 is passed. The most basic change would be in the structure of the three major committees (Educational Policies, Social, and Athletic). Those three committees would be designed along the lines of the Board of Control, with members appointed

by the undergrad Houses taking office at the beginning of the year and members appointed by ASCIT to take office whenever. It is hoped that this type of procedure will create a self-perpetuating organization.

The EPC and ESC (with Executive dropped) will be moved up from the Resolutions. The responsibilities of the committees will be made less specific in order to provide the maximum leeway for expanding their functions. In addition, the Director of Academic Affairs will be made chairman of the EPC.

Responsibility for finding an Election Chairman will be shifted from the President to the Secretary (who should be responsible for this kind of stuff anyway). The size of the Election Committee will be increased from seven to as many members

are needed to do the job.

Appointments to faculty committees will be defined as "not corporation offices" and will hence be legitimately open to any undergraduate. The role of the IHC in choosing the representatives will be moved to the Resolutions so that the contingency of a lax IHC can be covered legally.

Hear No Evil . . .

The fifth Proposition does absolutely nothing to the corporation. It does clean up the corporation documents, however. Proposition 5 removes all information from the By-Laws which is already contained in the Articles of Incorporation (the AoI are superior to the By-Laws, hence this information is redundant). It also makes two points perfectly clear: 1) that all ASCIT members are entitled to join officially recognized clubs, and 2) that all functions of the corporation can be done by the corporation as a whole at a corporation meeting.

Paranoia

Continued from Page Two

To save visitors and Techers the embarrassment of suspicion, Techers will wear their ID cards on the left breast, and official visitors will wear yellow stars in the same location. Unofficial visitors, if any actually exist, will immediately be apparent, and can be dealt with appropriately. I might suggest trained Alsatians.

The sooner this system is implemented, the better we shall all rest.

—Garble Tom Headweak



News Briefs

Continued from Page One

logical Find: The 2100 Year-Old Tomb will be in Mandarin, and is open to the general public. Admission is free.

Lose Weight Eat Snacks

Diet Watchers meets Thursday, Feb. 14, at 4 p.m. in the Health Center Lounge. Snacks will be served.

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Proposed By-Laws Amendments

Proposition 3

Repeal Article IV, Section 13.

All articles of the By-Laws which are currently assigned a Roman numeral greater than VIII shall be increased by one so that the Article IX described in this amendment may be inserted in the proper place.

Change the title "Vice-President" to "Vice President" wherever it occurs in the By-Laws.

Change in Article XI (old numbering), Section 1, the word "elective" to "elected".

Change Article VIII from:

ARTICLE VIII ELECTIONS

Section 1. NOMINATIONS

(a) Nominations for the offices of President, Vice-President, Secretary, Treasurer, Athletic Manager, Activities Chairman, Social Chairman, Interhouse Committee Chairman, Director for Academic Affairs, Director of Student Life, two Directors-at-Large, Editor(s) of the *California Tech* and Secretary of the Board of Control shall be opened at a meeting of the Board of Directors to be held at least two (2) weeks before the election.

(b) All nominations shall remain open at least (1) week. Other nominations may be given in writing during that time to the Secretary of the corporation and all those nominated shall be voted upon at election. Nominations shall be closed at a meeting of the Board of Directors at least one (1) week prior to the election.

(c) Nominations shall be posted with the minutes of the Board of Directors by the Secretary after nominations have been closed.

Section 2. ELECTIONS. Nominees listed for the offices under Section 1 shall be voted upon by secret ballot during the latter part of the second term. Election procedure shall be the same as that established by the Board of Directors for other elections in the Resolutions to these By-Laws.

Section 3. INSTALLATIONS. All officers shall be installed at a meeting of the BOD before the end of the second term. Oath of office shall be administered by the retiring President of the corporation in the following form:

"I do solemnly swear (or affirm) that I will support the By-Laws of the Associated Students of the California Institute of Technology, Incorporated, and that I will faithfully discharge the duties of the office of . . . according to the best of my ability."

The immediate past Treasurer of the corporation shall remain an officer of the corporation until the beginning of the new fiscal year with the responsibility to close the books of his term of office and submit them for audit. He is explicitly not a General Officer for this period.

Section 4. GENERAL QUALIFICATIONS

(a) The office of President and Vice-President shall be open to corporation members who will be juniors or seniors for the major part of their term of office.

(b) One of the two Directors-at-Large shall be the member of the freshmen class at the time of election receiving the greatest number of votes.

(c) The office of Secretary of the Board of Control and Interhouse Committee Chairman shall be open only to corporation members who will be juniors or seniors for the major part of their term of office.

to:

ARTICLE VIII ELECTIONS

Section 1. Nominations for elected officers shall be opened by the Board of Directors at a meeting to be held at least two weeks before the election. All nominations shall remain open at least one week. All nominations shall be given in writing to the Secretary. The Secretary may not accept the nomination of any person who is not a member of the corporation; he shall accept all other nominations. Nominations shall be closed by the Board of Directors at a meeting to be held at least one week before the election. All nominations accepted shall be included in the minutes of the meeting at which nominations were closed.

Section 2. Nominees for elected offices shall be listed on a ballot and voted upon at elections to be held during the latter part of the second term of each academic year.

Section 3. All elected officers shall be installed at a meeting of the Board of Directors to be held before the end of the second term of the academic year. An oath of office shall be administered by the retiring President in the following form: "I do solemnly swear (or affirm) that I will support the Articles of Incorporation and the By-Laws of the Associated Students of the California Institute of Technology, Incorporated, and that I will discharge the duties of the office to which I was elected according to the best of my ability."

Section 4. All officers of the corporation shall retire immediately upon the installation of their successors. The retiring Treasurer shall remain an officer of the corporation until the beginning of the new fiscal year. He shall be responsible for closing the books of his term of office and submitting them for audit.

Section 5. The offices of President, Vice President, IHC Chairman, and BOC Secretary shall be open only to corporation members who will be juniors or seniors for the major part of their term of office. One of the two Directors-at-Large shall be a member of the freshman class.

Section 6. A group of corporation members may be nominated as a single candidate for the following offices: Athletic Manager, Activities Chairman, Social Chairman, and *The California Tech* Editor.

Section 7. If a vacancy occurs in an elected office the Board of Directors shall open nominations for that office. The Board of Directors shall schedule the election so that it takes place within twenty-eight days of the date the vacancy occurred.

Insert between Article VIII and Article X:

ARTICLE IX ELECTION PROCEDURES

Section 1. Balloting shall take place at least from 11:00 a.m. to 4:00 p.m. in Winnett Center, and at least from 11:30 a.m. to 1:00 p.m. in each of the undergraduate Houses. Each voter must sign an official register at the place of voting in the presence of a member of the Election Committee before receiving a ballot. Absentee ballots shall be allowed in the case of a voter who expects to be absent on the day of an election. Absentee ballots must be filed with the Election Chairman no later than the midnight prior to the election.

Section 2. A correctly cast vote for the election of an officer shall be one of the following:

- a vote for a nominee,
- writing the name of any other legally qualified person,
- writing the word "no".

Section 3. For an office for which exactly one or no nominations have been accepted, the legally qualified person with the greatest number of votes must receive at least fifty percent of the correctly cast votes in order to be elected. If no person is elected, a vacancy shall occur in that office. If, after nominations for that office have been closed for a second time, exactly one or no nominations have been accepted, the legally qualified person receiving the greatest number of votes in the subsequent election shall be elected.

Section 4. For an office for which more than one nomination has been accepted, the legally qualified person with the greatest number of votes must receive at least forty percent of the correctly cast votes and more than the number of "no" votes in order to be elected. If no person is elected, a runoff election shall be scheduled by the Board of Directors. The nominees in a runoff election shall be the following:

- if there were five or fewer nominations accepted for an office, the nominations accepted in a runoff election shall be the two legally qualified persons who received the greatest number of votes,
- if there were six or more nominations accepted for an office, the nominations accepted in a runoff election shall be the three legally qualified persons who received the greatest number of votes.

Section 5. In the event no person is elected in an initial runoff, a second runoff election shall be scheduled by the Board of Directors. The legally qualified person receiving the greatest number of votes in the second runoff shall be elected.

Section 6. For the office of Director-at-Large, each voter shall cast two votes, not both for the same legally qualified person. For the purposes of this section, a plurality shall be defined as correctly cast votes received from more than forty percent of the voters who cast correct votes, and more than the number of voters who cast "no" votes. If a voter casts one vote for a legally qualified person, he may not cast a "no" vote. The legally qualified freshman with the largest plurality shall be elected; among the remaining candidates, the legally qualified person with the largest plurality shall be elected.

(a) If a freshman is elected, but no other person is elected, a runoff election shall be scheduled by the Board of Directors. The freshman who was elected shall not be a nominee, and voters shall cast one vote. The legally qualified person who receives the greatest number of votes shall be elected.

(b) If no freshman is elected, but some other person is elected, a run-off election shall be scheduled by the Board of Directors. The nominations accepted in this instance shall be the two legally qualified freshmen who received the greatest number of votes, and voters shall cast one vote. The legally qualified freshman who receives the greatest number of votes shall be elected.

(c) If no person is elected, a runoff election shall be scheduled by the Board of Directors. The nominations accepted in this instance shall be the two legally qualified freshmen who received the greatest number of votes and, among the remaining candidates, the two legally qualified persons who received the greatest number of votes. The legally qualified freshman who receives the greatest number of votes in the runoff election shall be elected; among the remaining candidates, the legally qualified person who receives the greatest number of votes shall also be elected.

Section 7. If a tie occurs at any of the cutoff points in the election procedures, all legally qualified persons involved in the tie shall be accepted as nominees in a runoff election.

Section 8. Ballots for all elections shall be counted twice by the Election Committee. In the case of any discrepancy, further counts will be taken as determined by the Election Chairman.

Section 9. A period of at most twenty-four hours shall elapse between the time the last polling place is closed and the time the Election Chairman releases the report of the Election Committee. A period of at least forty-eight hours shall elapse between the time the last polling place is closed and the time the Board of Directors validates the results of an election. All procedural protests must be filed with either a member of the Board of Directors or the Election Chairman. Protests filed after validation will not be considered.

Section 10. A copy of each corporation ballot shall be attached to

the report of the Election Committee. The report of the Election Committee shall be appended to the minutes of the meeting at which the election was validated.

Section 11. Any exceptional circumstance not dealt with in these By-Laws shall be resolved by the Election Chairman, in consultation with the Board of Directors.

Section 12. The Election Chairman shall cause the ballots cast in an election to be retained for one year.

Proposition 4

Change Article XII (XIII if Proposition 3 passes) from:

ARTICLE XII COMMITTEES

Section 1. ELECTION COMMITTEE. There shall be an Election Committee whose chairman shall be appointed by the President of the corporation with the approval of the Board of Directors. There shall be six other members appointed by the Chairman. The duty of the Election Committee shall be to manage, to record votes, and to post results of all elections.

Section 3. ATHLETIC COMMITTEE. There shall be an Athletic Committee composed of representatives of the Athletic Manager team of each House; the chairman shall be the ASCIT Athletic Manager. The Committee shall keep records concerning Interhouse and Discobolus sports. It shall promote athletics on all levels at the Institute and work towards the interests of the students in the athletic programs.

Section 4. FACULTY COMMITTEES. Upon recommendation by the faculty to the ASCIT Board of Directors student members shall be appointed to faculty committees. The exact committees to receive student representatives as well as the precise number of appointees to each will be in accordance with any appropriate clauses of the faculty By-Laws. The interhouse Committee shall act as the nominating committee for these appointments. These appointive offices will be open to any undergraduate. All applicants for a committee will be interviewed and given fair consideration by the Interhouse Committee or a subgroup thereof. The recommendations of the Interhouse Committee will become final pending approval by the ASCIT BOD.

to:

ARTICLE XII COMMITTEES

Section 1. The Director of Academic Affairs shall be the chairman of the Educational Policies Committee. The Board of Directors, with the advice of the outgoing Educational Policies Committee, shall appoint at least four and no more than seven at-large representatives. During the third term of each academic year, each undergraduate House may appoint a representative who will take office at the beginning of the next academic year. The Educational Policies Committee shall be responsible for maintaining the corporation's interests in regard to the academic policies of the Institute.

Section 2. The Director of Student Life shall be the chairman of the Social Committee. The Board of Directors, with the advice of the outgoing Social Committee, shall appoint no more than three at-large representatives. During the third term of each academic year, each undergraduate House may appoint a representative who will take office at the beginning of the next academic year. The Social Committee shall be responsible for planning and organizing all social functions of the corporation.

Section 3. The Athletic Manager shall be the chairman of the Athletic Committee. The Board of Directors, with the advice of the outgoing Athletic Committee, shall appoint no more than three at-large representatives. During the third term of each academic year, each undergraduate House may appoint a representative who will take office at the beginning of the next academic year. The Athletic Committee shall be responsible for maintaining the corporation's interests in athletics at all levels of competition.

Section 4. The Election Chairman shall be the chairman of the Election Committee. He shall be appointed by the Board of Directors with the advice of the Secretary. The Election Chairman shall appoint additional members to the Election Committee. The Election Committee shall manage polling stations, record votes, and report the results of all elections to the Board of Directors.

Section 5. Student members shall be appointed to faculty committees by the Board of Directors in accordance with appropriate clauses of the faculty bylaws. These positions are not corporation offices and shall be open to any undergraduate.

Proposition 5

Change Article 1 from:

ARTICLE I NAME AND MEMBERSHIP

Section 1. NAME. The name of this corporation shall be "ASSOCIATED STUDENTS OF THE CALIFORNIA INSTITUTE OF TECHNOLOGY, INCORPORATED."

Section 2. MEMBERSHIP. All undergraduate students of the California Institute of Technology, shall upon registration and payment of the corporation dues according to Article XIII, Section 1 of these By-Laws, become members of this corporation.

Continued on Page Eight

Construction Building

We're Not Done?

by Alan Silverstein

For all its age and tradition, Caltech is a campus that is continually changing, progressing, and developing in order to keep up with the times. This is true physically as well as scientifically. The recent completions of Beckman Bio and the Court of Man, the current renovations of San Pasqual and Throop Site, and the construction of Mudd-prime will effect great modernizations and improvements to most of the campus.

Mr. James Westphall, Campus Architect, told the Tech in a recent interview what his office has planned for the campus in the next few years. Here's the latest information on what's happening with:

San Pasqual: now in Phase 2, which should be completed and landscaped within a month. Phase 1 was the "minimal closure" of the street at Wilson and Chester last term. Work should begin on the west one-third of the street in April or May (Phase 3), when the construction contracts and documents have been readied. Estimated date of completion on this section is July.

Throop Site: many preparations have already been made, such as waterproofing the tunnels below and packing down the slope. Heavy work should start next month, pending receipt of sub-

contract bids within the available project funds. Mr. Westphall is optimistic that all will go according to schedule: "We'll have both the San Pasqual Site Development Project and Throop Site by July, I'd estimate." He did mention, however, that the energy crisis might force change or preclusion of the the waterfall design (Millikan fountain has been turned off since December for the same reason), and that various alternatives are being investigated. There is also the question of whether or not to stock the ponds with fish; if there is a connection to Millikan Pond, this would, of course, not be possible.

But What About the Ramp?

At the same time that the bulldozers (re)attack what's left of Throop (very little), improvements will start on the areas between Thomas and Guggenheim, including "Old Dorm Drive" (Greasy Street), and in the Thomas-Spalding parking lot. The stone walk behind Guggenheim will be converted to a road to maintain access to the cul-de-sac in front of Downs while the remainder of the Drive will become a concrete walk. (The Architect's Office has an agreement with ASCIT that students may still get to the Olive Walk by driving over said walkway.) Mr. Westphall said that the current construction will create

an "environment more for the pedestrian than for the vehicle." Mudd-prime: estimated completion in May.

Gates East: no time schedule now for renovation of the interior.

Cooling Plant (tower 3): soon to be ready to supply cooled water for Behavioral Bio and other users.

Currently the office is working on removing "architectural obstacles" from the campus. These include anything that might be difficulties for the handicapped or the paraplegic. Generally this involves replacing steps with ramps wherever possible.

The End

Mr. Westphall explained that there are no other definite construction or major renovation plans for the campus at this time. However, \$27 million of the funds taken in during the \$130 million campaign now underway will be earmarked for "capital improvements"—\$12 million for a Chemical Biology building, \$5 million for Earthquake Engineering, \$4 million for Astrophysics, \$1½ million for turning East Gates into an Administration building, \$3 million for "non-academic" purposes (such as a new gym), and \$1½ million for future site development, including, perhaps, the rest of San Pasqual, east of Chester. Sites for the abovementioned buildings are speculative, but a possible location for one might be the old Heating Plant between Thomas and Spalding.

Mr. Westphall's office has no plans concerning the Student Houses, but mentioned that they have had a lot of work done on them in the last five years. Any further improvements fall under the heading of "maintenance," he said, so they're the responsibility of—guess who—B&G.

Screening

Continued from Page Five (though he worked hard at it), for as he says: "every government is run by liars, and nothing they say should be believed. That is a prima facie assumption unless proven to the contrary." Time and successive administration have amply born him out.

Much of the film proves Stone's point by intercutting Stone speaking with clips of politicians lying. Nixon proclaims himself a man of peace and blames the democrats for the escalation in Vietnam: Stone cites Nixon's earlier declaration in which he whips the democrats to an increasing belligerency and calls for a build up of US troop strength in Vietnam (in order to lower casualties, believe it or not). Stone cites the facts on the military and political duplicity which led to the Tonkin Bay resolution while we watched then Secretary of Defense Robert McNamara do an odd little two step at a press conference (as though avoiding a fresh buffalo chip), the physical correlative of the lie he simultaneously mouthed.

In one of the high points of the film Stone is awarded an honorary doctorate at Amherst (David Eisenhower, who was graduating that day, refused to attend because of Stone's presence). Stone remarks on how beautiful the village of Amherst is and then reminds the audience of the villages of Vietnam. We cut rapidly to a view from a plane as napalm burst on a rural scene, as a young girl runs naked down a road, her torso burnt black. All this is accompanied by what begins to sound like a Te Deum (it is the choir at Amherst). The choir continues and we cut to President Johnson at a huge dress parade ceremony, surrounded by generals as he cuts an eight foot tall Marine Corps birthday cake with a saber.

Through the simultaneity possible in a film, Bruck makes visual Stone's outrage, provides a mosaic of what was said and done, how the politicians and military looked, and what the facts actually were. For as always, it was the facts that interested Stone.

Not so much a radical in his views (he approved the election of Eisenhower and had little sympathy for what he called the childish tantrums of the new left) as a man radically dedicated to the facts, he was nonetheless kept from the usual news sources because he was an ex-Marxist. And so what he did was read avidly and take note—government documents, Stenographic accounts, newspapers—the New York Times, Herald Trib, Washington Post, Le Monde, Der Spiegel, L'Express. His great joy lay in proving the government liars with their own documents. He even found his quality as pariah a benefit, for he was never taken into the family, so to speak. He never learned what other reporters have learned, that if we become chummy with the establishment, we will begin to think like them, to think that the people ought to know. We see kindly Walter Cronkite telling us what a keen guy Vice President Ky is, and we watch ABC's correspondent playing tennis with Ron Ziegler as Tricia Nixon watches.

The greatness of this documentary lies in the fact that Izzy Stone the man emerges. Politicians talk about freedom. I. F. Stone sets the example— independent of mind, alert, hard working, willing to abide by facts, a healthy doubter, a man with abundant faith in man and joy in life. Bruck film catches it all. We watch Stone ferretlike pursue facts. He did it, he says himself, with a "combination of maniacal zest and idiot zeal,"

Continued on Page Nine

By-Laws Amendments

Continued from Page Seven

No person shall hold an office of the corporation who is not a member of the corporation.

Section 3. MEETINGS. Meetings or assemblies of the Associated Students shall be held at any time at the call of the President or the Board of Directors. Ten percent (10%) of the membership of the corporation shall constitute a quorum.

Section 4. RULES OF ORDER. In questions of procedure not provided for in these By-Laws, "Robert's Rules of Order" shall determine the rule.

Section 5. OTHER MEMBERSHIP. Upon registration and payment of the corporation dues according to Article XIII, Section 1 of these By-Laws, graduate students of the California Institute of Technology may become members of the corporation.

to:

ARTICLE I PRIVILEGES OF MEMBERSHIP

Section 1. All members of the corporation shall be entitled to: (a) the right to hold a corporation office, in accordance with the provisions of these By-Laws; no person shall hold an office of the corporation who is not a member of the corporation, (b) one vote in each corporation election, (c) one subscription to The California Tech, (d) join any officially recognized student organization, (e) admission to all contests in which Institute teams participate, unless the Board of Directors shall determine otherwise.

Change Article II from:

ARTICLE II PRIVILEGES OF MEMBERSHIP

Section 1. All members of the corporation shall be entitled to: (a) Admission to all athletic, debating, or oratorical contests in which California Institute of Technology teams participate, unless the Board of Directors shall determine otherwise. (b) Subscription to the California Tech. (c) One vote in each corporation election. (d) The right to hold a corporation office, in accordance with the provisions of the By-Laws.

to:

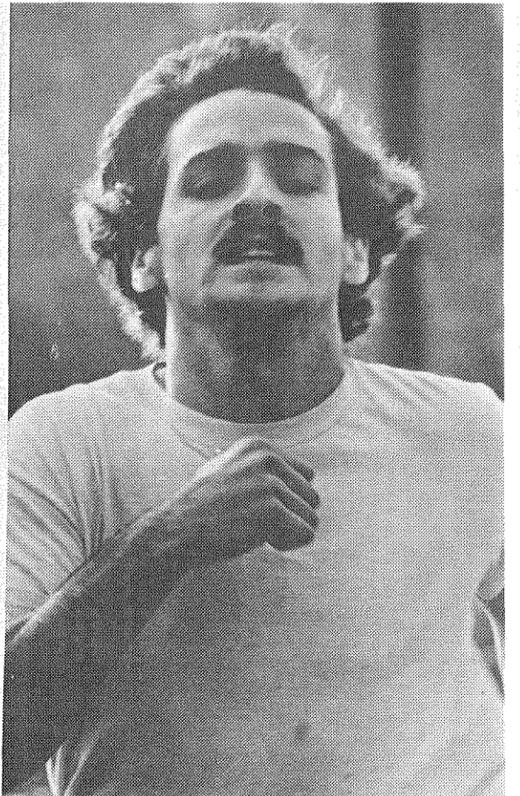
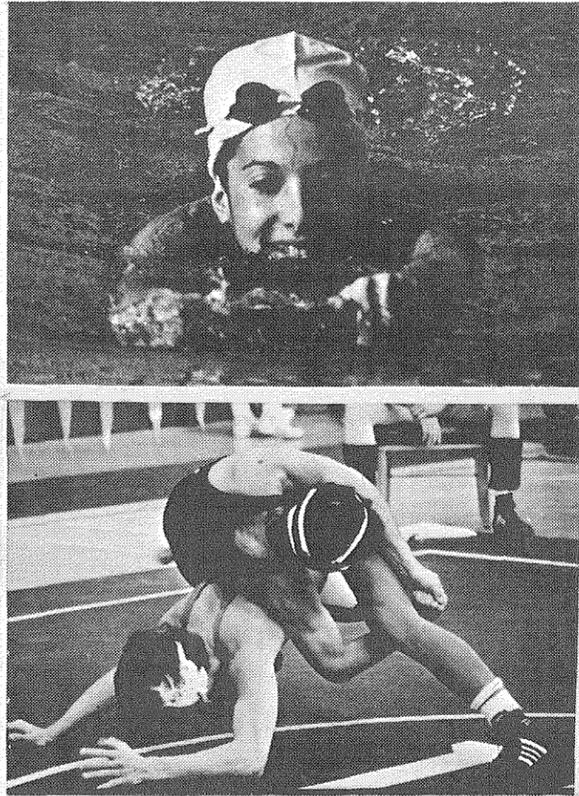
ARTICLE II CORPORATION MEETINGS

Section 1. Meetings of the corporation may be held at any time at the call of the President or the Board of Directors. The Secretary shall post notice of the meeting in each of the undergraduate Houses and in Winnett Center at least fourteen days prior to the meeting. Ten percent of the membership of the corporation shall constitute a quorum.

Section 2. The corporation may exercise all powers consistent with the Articles of Incorporation and these By-Laws. In all questions of procedure for which provisions are not made in these By-Laws, the current edition of Robert's Rules of Order shall determine the rule.

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The Random Sports Scene



That Was the BOD That Was

by Mark Johnson

During the past year many changes have taken place in ASCIT. With the upcoming elections, it is now appropriate to summarize some of those activities, and to define the basic goals toward which those activities were directed. My purpose in doing so is to allow the current campaigns to be based on the issues that face us today.

First our goals were to increase the sense of community at Caltech, to regain financial stability for ASCIT, and to make more effective input to the Institute decision making processes.

In order to increase a sense of community one of the first acts of the BOD was to hold a Corporation Meeting. The purpose of this meeting was to bring several issues of importance before the entire student body, and ask for guidance. A total of

five resolutions were passed. Three dealt with academic matters, calling for such things as elimination of F grades, being allowed to take Ph 2 pass-fail and a 10% reduction in the size of the freshman class. These resolutions were presented to the Faculty Steering Committee during the first term of this academic year. The resolution dealing with Ph 2 was forwarded to the Academic Policies Committee which is currently working on it in connection with its work on the AdHCUP report. The resolution on F grades is being considered by a joint subcommittee of the APC and UASHC. The Steering Committee is still considering the proper forum for discussion of the size of the freshman class. A fourth resolution dealing with the parent's fund opened a very valuable and receptive communications link, allowing free discussions of

student concerns in fund raising activities.

In addition students had a very significant input in the final decision of the Board of Trustees concerning the Throop Site Area. For the first time in three years a formal presentation was made by the ASCIT President on behalf of the student body to the Board of Trustees. I think the formal consideration given these inputs was responsible for many of our successes.

To encourage student participation in various activities ASCIT spent over \$2600, more than one fifth of the budget, on clubs. The combined ESC-ASCIT social expenses amounted to \$3400, nearly one fourth of the total budget. Much of this money went directly to the Houses, the rest went to encourage projects by interhouse groups and in joint sponsorship programs with the Caltech Y, the GSC, and the Master's Office.

So much for the near past. We must now consider the future. Most important, I think, is the question of food service. Last year we changed from a system that displeased 35% of the

students to one that displeases 65% of the students. I think the current system must again be changed. We must now choose the direction.

Second, I think ASCIT must consider acquiring access to a part time employee to bring continuity to ASCIT and help coordinate its many activities such as the Teaching Quality Evaluation, and to help collect relevant data on issues in order that the BOD can make the most educated decisions.

Third, I think ASCIT must find outside sources of income. With the improved financial status this should now be easier to accomplish. The question becomes where will we get the best return.

Fourth, I think some means must be found to make the Bookstore more responsive to the needs of the Caltech community, including faculty, students, and staff. One suggestion might be to make the bookstore responsible to a faculty, student, and staff committee, rather than Business

Services.

Fifth, in an environment of a tightening Institute budget we must find a means of making more effective and representative inputs to the budgetary process.

Sixth, we must continue our initiatives for academic reform. The new direction for that reform should be considered in this campaign.

Finally, we must improve our current communications with the Institute. One way might be to expand on the precedent established with the Vice President of Institute Relations and the Director of Development. Another might be to copy the Faculty Steering Committee.

These are only a few suggestions. There are, I think, many other issues which can and should be raised. If any candidate for any office has any questions he should contact the ASCIT office (ex 2152), which will put him in touch with the appropriate ASCIT officer.

I wish you all the best of luck.

More Screening

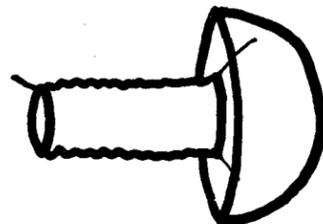
Continued from Page Eight

and had such a good time doing it that he claimed he should have been arrested. But what is more important is a great humanist's faith and joy. Talking about the survival of the villagers of Vietnam, he says in a moment of sudden revelation, "but don't you see that what it proves is the primacy of man?" We find it hard to believe in this technological age, but what amounted to a consortium made up of GE, GM, Dupont, Lockheed, the U.S. Air Force, and a dozen others

could not finally destroy the villagers. The consortium lied to us and to themselves. And I. F. Stone, whose childlike wonder and innocence qualified him for the role, stood there in the crowd and pointed out that the king was naked. And in this was, he has proved the primacy of man.

It is a splendid film. Go see it. You have only two more chances—at 11 a.m. and 1 p.m. this coming Sunday, February 10 at the Royal Theater in West LA where it is being specially screened. Get off the San Diego freeway at Santa Monica Blvd. The Royal is about three or four blocks west of the freeway on Santa Monica.

And there is a plus—on the same bill a short documentary photographs Henry Miller at 81 in his bathroom reminiscing about the pictures (some dirty, some not) on the walls.



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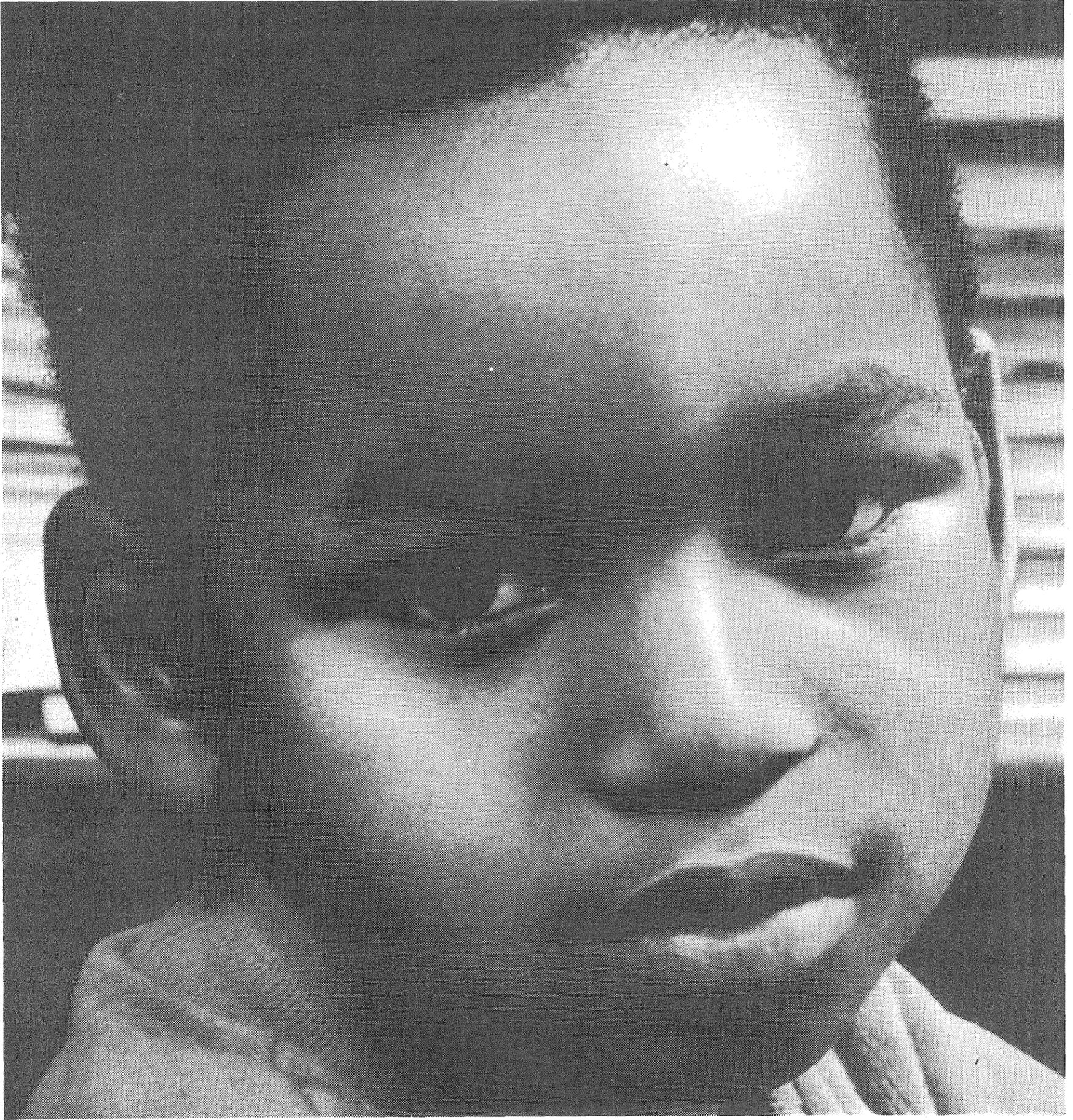
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to hide." They began to explain, to describe, to communicate. And once the channels of communication had been opened, they began to learn.

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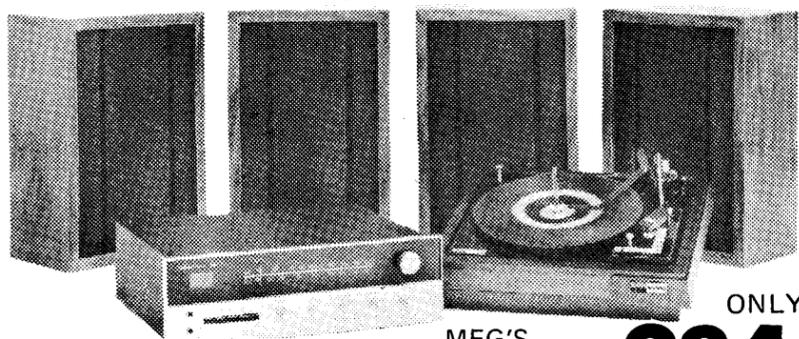
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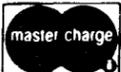
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UNIVERSITY STEREO

Camtrans?

TM To Visit Winnett

by Ben Neosarc

D. Rama Pepper will not speak on "Physical Aspects of Sociable Intercourse" next Tuesday, but Dave Brown will discourse on Transcendental Meditation (TM), its principles and personal aspects on Dylan Day (February 14) in Winnett at 7:30 in the p.m.

TM is one of a wide number of disciplines aimed at achieving mental, physical, and worldly harmony through meditation of one sort or another. Unlike most, however, TM is not a religious or mystical sect, but founds itself on what is postulated to be the "fundamental life force." The physical effects of TM are considered to be manifestations of the existence of this basic law of life.

The success of TM in achieving a relaxed yet alert state of mind, and a general bodily rejuvenation are seen as results of this law, independent of the beliefs of the practitioner, in much the same way that physical events have no dependence on whether or nor the observer is a Democrat or a Republican.

This fundamental force is called creative intelligence, a generalized kind of directed awareness inherent in all things. TM is the practical result of the Study of Creative Intelligence (SCI). The development of SCI is generally credited to Maharishi Mahesh Yogi, who worked out after many years of study under Swami Brahmananda Saraswati in India. Since that time, Maharishi has set up an international organization for the promulgation of TM and SCI with membership presently at about one million and growing rapidly (about fifteen thousands new members per month!).

One of the reasons for Brown's talk here is to stimulate interest in TM, possibly enough to instigate some research in this field. In fact, Paul H. Levine (PhD in physics, '63), has undertaken investigation on TM and written several articles concerning it.

The actual learning of the meditation mechanics takes about six hours spread over several days, with a review

session about a week later. Interest in TM on campus has been expressed before and there are currently about twenty members of SIMS (Student's International Meditation Society) at Tech.

Dr. Nancy Beakel, one of our illustrious staff psychologists, remarked that scientific investigations in the field of meditation and related practices, has tended to support the accuracy of some of the claims made by SIMS and other groups. Indeed, there is a wealth of affirming research reports on TM included in SIMS literature.

More Security

Continued from Page Five

Teachers should be trusted with master keys. Chapman pointed out that there had been some thefts that were almost certainly committed by students, and therefore it doesn't always work. After some prodding he went on to say that possession of master keys in itself should be considered an Honor System violation.

Burma Shave

Finally, the subject of parking tickets came up. Specifically, it was wondered when cars would start being towed from red zones and the Olive Walk. Chapman estimated that it would be about six weeks before the Institute lawyers could clear the necessary legal barriers to tow cars away.

Several of the officers wanted to know how students felt about their patrolling the student Houses. The general consensus of those present was that it was a good thing, and that they would like to see more of it.

Cerebrum

Continued from Page Two

culprit is our crazy Gregorian calendar, which, although it is reasonably accurate, is also complicated, time-consuming, and costly.

What happened is this: when the present academic calendar was in the initial stages of preparation, second term registration was on Wednesday, January 2. Since the first week had only two days of classes, midterms were pushed back to the sixth week of the term. However, when the decision was made to move registration to January 7, midterms were put as the sixth week anyway. This new definition propagated itself to third term, and is being used on the 1974-75 academic calendar, now in preparation.

The question now remains: is this a better time for midterms? Admittedly, not all instructors stick to it rigidly (I turned in a midterm four days ago), but it seems to be generally followed. It does reduce the time between midterms and finals, and—more importantly—the time between deficiency notices and finals. It seems to me that this move is not trivial; that it has consequences—and even benefits—that haven't yet been aired. Perhaps they should be.

MIDDLE EAST RESTAURANT

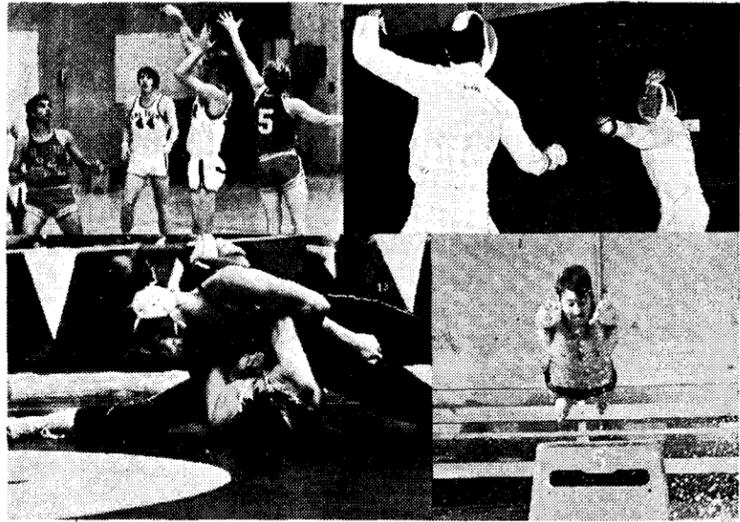
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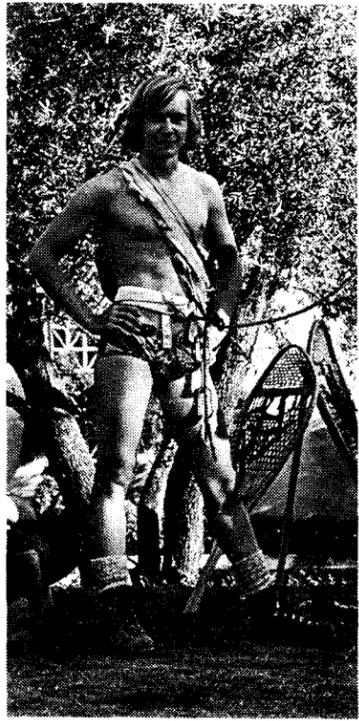


Basketball

It's About Time!!

You may have wondered why there hasn't been a basketball article yet this season. The fact that the team has won only one game so far has nothing to do with it.

The fact is that Kieckhefer



Sports Editor Kieckhefer poses for display advertisement.

Alumni

Continued from Page Three city, medium city, small city, small town, and farm) were down from 1963; only 14.5% in 1973 came from farms or towns. Tech alumni do not choose to reside in rural America, either: only 1.8% of the 1973 sample spent their post-graduate years on the farm or in a small town, and only 3.8% live there now, while the figures for metropolitan life were 58.7% and 56.2% respectively.

Caltech has also become more cosmopolitan in its students. The 1952 respondents included 56% who went to high school in

has been looking for someone for weeks.

Surely there must be someone out there who likes to write about basketball. Suggestion: if the basketball team wants some publicity, the basketball team had better get together and draft someone who knows how to write. What a bunch of jerks!

Tech Tracksters Romp In Early Practice Meet

Alan Kleinsasser, Haywood Robinson, and Gregg Griffin participated in an All Comers track meet at Mt. San Antonio College Saturday morning as they began preparing for the season opener against Occidental here next week. Last year this trio set new school records in the 880 and mile, the 100 and 220, and the three mile, respectively.

In the Mt. SAC event Kleinsasser finished second in the mile with a good early season time of 4:16.1 and also was second in the two mile with a 9:33 clocking. Robinson finished 4th in the 100 with a 10.0 performance while Griffin had times of California, but this number declined to 51% in 1963 and to 46% in 1973. The Southern California share in the total was 53.0%, 43.0%, and 37.6%, respectively. The Midwest's share rose from 12% to 14% to 16.5%, and Eastern influence from 8% to 11% to 13.6%, while the South declined from 6% in 1952 and 1963 to just 3.7% this time. The foreign representation in the sample rose from 4.0% in the first two samples to 5.2% in 1973.

We may not know where we're going (except that, wherever it is, we'll be at the Leading Edge), but there is at least some evidence of where we have been.

Wrestlers Crunch Cal Lutheran

by George

An average ten-man wrestling team weighs a total of 1582 lbs. This means their average wrestler weighs around 158 lbs. He probably had to lose ten pounds to make weight and has gained back a good five of that in the hours between weigh-in and the match. Although the Caltech team has ten men, they only weigh 1443 lbs. This means the Caltech men are giving away an average of fourteen pounds per match against many opponents. Not only that, but the whole team probably only has to lose ten pounds to make weight and many Caltech wrestlers could still

make weight at match-time. The disadvantages are obvious.

To compensate, Caltech sought out a four-man Cal Lutheran team on Friday. They only weighed 660 lbs., which the matmen converted to a 48-12 victory. Caltech won two of the three matches which actually took place (forfeiting at heavy-weight). At 150, Ken Walker scored a pin. At 158, Chris Russell racked up a 23-0 lead before pinning his opponent in the final round.

On Wednesday, the matmen faced Claremont (first in the Caltech Invitational Tournament). The Claremont toads won,

by a score of 36-21.

Tomorrow the wrestlers travel to Orange County for the season's second major tournament, the Biola Invitational. Teams from all over the state will compete in upper and lower division matches.

Next Wednesday the team will try to put the sword to Whittier and keep last year's second place conference rating. This will be the last dual meet of the season.

With three weeks, two dual matches, and three tournaments left to go, the matmen sport a 7-5 record and regrettably high purity scores.

Fencing Still Foiled

by Lt. Brigade

Saturday the Caltech Fencing Team again fell victim to its worst enemy—understaffing. The only team to have a full component of fencers, i.e. three, was the Saber team, consisting of senior Darrell Peterson, and freshmen Ed Rhodes and John Ernest. The last two, with only two weeks of experience behind

them, surprised everyone by helping to boost our saber team to a 6-3 victory over U.C. Irvine.

On the other side, our Epee team, with only two fencers, won four of the six bouts we fenced, only to lose to U.C. Irvine, 5-4. Those responsible for this failure to show up know who they are and should feel appropriately guilty.

All of the Tech teams lost to Cal State Fullerton rather badly, but they have a strong team, so that was not too surprising.

Saturday, you folks have a chance to actually watch them in action. The meet begins at 1:00, and the competition is Long Beach State and San Diego State, so there promises to be some good fencing going on. The team would appreciate a few spectators to watch them buckle down some hard swashing.



Disgusting Sports Menu

Friday, February 8		
4:00 p.m.	Swimming	Pomona—Pitzer Away
Saturday, February 9		
All Day	Wrestling	Bicla Invitational Tournament
1:00 p.m.	Fencing	Long Beach State & San Diego State Home
1:30 p.m.	Varsity Tennis	Cal Sate Dominguez Hills Away
6:30 p.m.	JV Basketball	Redlands Home
8:30 p.m.	Varsity Basketball	Redlands Home
Tuesday, February 12		
7:30 p.m.	Wrestling	Whittier Away
Wednesday, February 13		
4:00 p.m.	Swimming	Cal State LA Away
6:30 p.m.	JV Basketball	Pomona—Pitzer Home
8:30 p.m.	Varsity Basketball	Pomona—Pitzer Home
Friday, February 15		
4:00 p.m.	Swimming	Redlands Home
8:00 p.m.	Varsity Basketball	Chapman Away
Saturday, February 16		
All Day	Wrestling	SCIAC Championships at La Verne
1:00 p.m.	Fencing	Cal State Northridge & UC San Diego at UCSD
1:30 p.m.	Varsity Tennis	Redlands Away
1:30 p.m.	JV Tennis	Redlands Home
1:30 p.m.	Track	Occidental Home
6:30 p.m.	JV Basketball	Claremont—Mudd Away
8:30 p.m.	Varsity Basketball	Claremont—Mudd Away

Dudes Stomp Rudds

In Discobolus

Volleyball Action

by Dick O'Malley

Page Dudes stomped the Rudds Sunday in Discobolus volleyball action in straight sets 15-4 and 15-11. With the victory, the Dudes moved into a virtual tie with Fleming in Discobolus trophy points.

The next challenge will be played sometime this weekend in tennis as Page defends the trophy against Lloyd.

Challenge order: Page (12 points), Lloyd (1), Ricketts (1), Fleming (13), Dabney (1), Blacker (2), Ruddock (2).

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