



And B&G said, "Let there be parking lots," and parking lots came forth from the void.

Up, Down, Fuller Around

by Ira Moskatel

"If you think of up and down, then you're still thinking of flat earth."

Inventor, Prophet, and social critic Buckminster Fuller is hung up on people who think about flat earth. In a recent news conference announcing an MGM projectile into the vast wasteland, Fuller and North American Science Director Kraft Ehrlicke described their concept of a society conscious of a 'round' earth and a technical conception of an orbiting society in which the limited resources of a closed system are unavoidable.

Fuller, popular with young peo-

ple for his outspoken theories about ecological survival, used the show business blurb session to expound his reflections on the society of the future. "No scientist," says Fuller, "has to examine the plumbing. We use 60 volumes of water to flush one volume." The septuagenarian visionary often speaks in such numerical terms. "In the past fifty years," he continues, "there has been a 40-1 difference in the number of people being helped by modern technology. In the next fifty the difference will be 80-1."

Pseudo-Mathematical Mechanics

Buckminster Fuller always talks in mechanistic, pseudomathematical

terms. He "calculates" the food necessary for complete survival. Survival is an educational process, he states, "there are ten to the ninth people who have to know what they are doing." Fuller sees no incongruity in the massive nature of his numbers, or, for that matter in the small numbers which characterize his solutions.

"A trip to the moon is a thermos bottle and sandwich trip. The total weight needed to keep six men regeneratively supplied is 240 pounds. That's forty pounds per person. The cost of the prototype is \$10 billion. That figure could

Continued on Page Four.

One thing
about Pasadena

The CALIFORNIA Tech

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It certainly
has atmosphere

Volume LXXII Number 14

Pasadena, California, Thursday, January 21, 1971

BOD Approves Rudd Loan-Sets By Laws Election Date

by Alex Seita

This column reviews the weekly meeting of the ASCIT Board of Directors. The summary of issues confronted, legislation enacted, and positions taken by the Board is given together with a general commentary on student activities. This article differs from the Board's minutes which are the official records (available on request) of the ASCIT corporation.

At last week's meeting, the B.O.D. played the role of provider as it approved a loan to Ruddock House and financial assistance for the YMCA-sponsored China Conference. As house dues, which are collected by the Institute, haven't yet been received by Ruddock for the second term, a loan of \$300 (to be repaid by February 1, 1971) was granted to Ruddock to cover current house bills and expenditures.

In addition, funds of \$250 were given toward defraying part of the China Conference's costs. Involving two days of intensive exposure to the history, character, and importance of China, the Conference will open itself to all members of the Caltech Community with opportunities for seminars, lectures, and a weekend retreat. The ASCIT funding will pay for a sixteenth of total costs.

In legislating the loan and financial assistance, the Board felt that Ruddock's need for the loan

was justifiable and that the China Conference would benefit the student body.

Announcements

The By-Laws change election dealing with the jurisdiction of the Board of Control will be held tomorrow. Nominations for 1971-72 coffeehouse managers were opened on January 14 and will close after an indefinite period. ASCIT elections for the Board of Directors will tentatively be held during the middle of February with nominations for the offices to be opened at the end of January or early

by E. Gansner

The multi-medial experience is one of the major mediums of the modern artist. The premiere of a work in this medium, using sound, projections, and human theatrical movement, will be presented by the composer Roger Reynolds as part of the Encounters Contemporary Music Series. The performance will take place at 8 p.m. on January 24 in the Pasadena Art Museum. Before the work is presented, Reynolds is going to discuss the piece and its performance.

Reynolds Rap

The following day, Reynolds will

be on campus to talk about his music and to present some recordings and projections typifying what he has done in multi-media art. His discussion will be at 4 p.m. in Dabney Lounge and is open to everyone.

Reynolds received a degree in engineering physics from the University of Michigan, and then returned to study composition. He studied with the English composer Robert Gerhard, a Schoenberg student, both at Michigan and at a summer program at Tanglewood.

In 1962, Reynolds received a Fulbright Fellowship for study in the Electronic Music Studio of the West German Radio. He stayed in Europe until 1966 working on several large scale works and on concerts devoted to modern music, through Guggenheim and Rockefeller grants. He then went to Japan and became active in the contemporary art scene there. His stay was culminated by a three day festival, organized chiefly through Reynolds, of avant-garde music and art which drew over 10,000 people.

Reynolds returned to the United States in 1969 and became a member of the faculty of the University of California at San Diego, where he is now.

The work is to be premiered this Sunday, *I/O*, is something of a

synthesis in form of Reynolds's previous major works. *The Emperor of Ice Cream*, a setting of the Wallace Stevens poem, was a theatrical work using eight vocalists and three instrumentalists. A later work, *Blind Men*, based on a Melville text, dealt in the area of pre-verbal expression and required the visual aid of projections. *I/O* is a composite of vocal sounds, theatricality, medial dimension and projections.

The inspiration behind *I/O* is a theory of Buckminster Fuller concerning the phenomenon of co-existent opposites as applied to abstract coexistence of male and female. The various verbal and conceptual relationships can be further differentiated as discontinuous-continuous, singular-plural, differentiator-integrator, and others.

You Mean It's a Skin Flick?

To dramatize this characterization, Reynolds has written *I/O* to emphasize the paired ideas. The piece is scored for nine female vocalists, nine mute men, two flutes, clarinet and an extensive array of electronic devices, plus the projections. There will be two types of projections used, one based on the circle and the other based on the rectangle. The men will perform operations of various types, moving

Continued on Page Seven

Arts-Sciences

Garmire Reflects, Refracts

by Peter Beckman

Dr. Elsa Garmire, a Caltech Research Fellow, has combined art and science through the use of the laser. By reflecting, refracting, and diffracting laser beams, Dr. Garmire has been able to create complex light images of great beauty. These have been recorded on photographic film, and prints are now on exhibit at Photosphere, Los Angeles' only photographic art gallery.

Dr. Garmire has long been interested in relating science and art. She is a founder of Experiments in Art and Technology of California. For the Pepsi Cola Pavilion's laser display at Expo '70, she

designed the world's largest hemispherical mirror, placed the laser, and wrote the pavilion's technical description.

Next Monday at 8:30 p.m. Dr. Garmire will give a lecture on "Laser Art" that will include laser demonstrations and a hologram. This will be the first of The Caltech Lecture Series and will be followed in the coming weeks by such treats as "The Limits of Growth: How Many People Can the Earth Support?" by Professor Harrison Brown, and "Pass the Proton, Please" by Professor J. L. Beauchamp.

News Briefs

BOC Modifies Amendment

The Board of Control met on January 17 and approved the following change in the wording of the proposed resolution:

First sentence of last paragraph to read:

"All such proceedings shall be kept closed, unless, in the event of disruptive behavior only, the defendant requests an open hearing."

Recruitment Is Pegged

The Caltech Y is starting its reorganization of its PEG (Personal Exploration Groups) beginning on January 27. The encounter-rap groups are student led, and meet once every week. The first meeting will be at 7:30 p.m., Wednesday, in the Y lounge.

Kevles to Speak On Moral Dilemma

Dr. Daniel Kevles, associate professor of history, will discuss "Historical Notes on the Moral Dilemma of the American Chemist" at 3:00 Wednesday, Jan. 27 in 22 Gates. He will compare the chemist of the late nineteenth hundreds, of the twenties and thirties and of today for the "Chemistry and Society" seminar series. All are invited.

Criminal Justice Research Project

Anyone interested in organizing a summer research project in the field of criminal justice should leave a note for Ralph Grahm, O/c Box, Fleming House. Almost any topic in

the field can be considered. There is a high probability that a project could be funded by the California Council on Criminal Justice.

Glee Club Strikes Again

The Caltech Glee Club is giving a concert at the Saint James Episcopal Church, Wilshire Blvd. and St. Andrews Place (2 blocks west of Western Ave.) at 5:00 p.m. Sunday. The public is invited and there is no admission charge.

Security Cracks Down On Student Parking Violations

Because of congestion and the misuse of student parking privileges

Continued on Page Five

Wheeling on Water?



Early this week Tech played host to some rather unusual pagan rites. The cyclists shown above are members of a cult known as "Feynmanism." It is their contention that one can gain strength, beauty, and wisdom by communing with the water in the sacred pool of Millikan, a spa discovered only a few years ago. Until then it had been used for bathing.

Editorial

NO on BOC Amendment

Tomorrow ASCIT members will vote on a matter which we hope will never have any practical application. We refer, of course, to the change to the ASCIT By-Laws proposed by the Board of Control giving that body jurisdiction over matters involving campus disruptions.

The Board of Control describes the amendment and argues for it in a memorandum distributed to all undergraduates. Many of the principles stated in that memorandum cannot be disputed. Certainly, a student accused of perpetrating campus disruptions should have his case reviewed by his peers rather than an administration or faculty group. We further must agree with the Board of Control's reasoning that the Honor System does not apply in the usual manner to a campus disruption.

The memorandum argues further that the Board of Control is the only established group with any ability to handle such a matter at all, and that formation of another group would be unwarranted. With this, too, we must agree.

However, we cannot agree with the procedure the Board of Control proposes for handling a case of alleged campus disruption. We find that the BOC's plan leaves too many possibilities unaccounted for, and thus opens the possibility of either the appearance or actuality of unfairness.

The BOC plan effectively exposes the accused disruptor to double jeopardy, in that his case is first considered as an Honor System violation, in seeming contradiction to their previous statement that disruptions would not come under the Honor System per se. By simple majority vote of its members, the BOC would be empowered to consider the case apart from the Honor System, ie, as a "campus disruption."

Since the penalties for a campus disruption would probably be enforced leave of absence or expulsion, these being the only major sanctions an educational institution can take against someone within it short of going to court, the accused disruptor could stand twice in jeopardy of suffering similar punishment for the same set of circumstances. We cannot condone this procedural defect in the Board of Control's proposal, no matter how much respect we have for that body.

Further, in the emotionally charged atmosphere which would undoubtedly be present in the event of a campus disruption, we would not trust even the Board of Control to be unbiased. The Board makes no provision for the very real possibility that a member of the Board would be involved in one way or another with the incident, or have such strong feelings in the matter as to disqualify him from rendering an unbiased judgement.

For that matter, one cannot predict in advance who will be biased in such a matter and who will remain impartial. We cannot think of any body, the Board of Control included, which could guarantee impartiality with members chosen in advance of the incident.

This does not mean that the Board of Control cannot deal with its ordinary cases; for matters of academic honesty do not involve the sort of emotionality which a campus disruption would engender. Rather, the Honor System and the Board of Control can only be effective when respected and trusted. This is so in ordinary Honor System matters; it need not be so in case of a campus disruption.

Also, the distinct possibility exists that the informal and normally closed procedures of the Board of Control would serve to increase tensions rather than ameliorate them.

As an alternative, we would suggest that the BOC be empowered to return an indictment for campus disruption, but that the actual hearing be conducted publicly by a jury selected at the time. Logically, the BOC, or members thereof, would preside over any such proceedings, but the final decision would be strictly that of the jury. Proper safeguards should be worked out in advance for such a system.

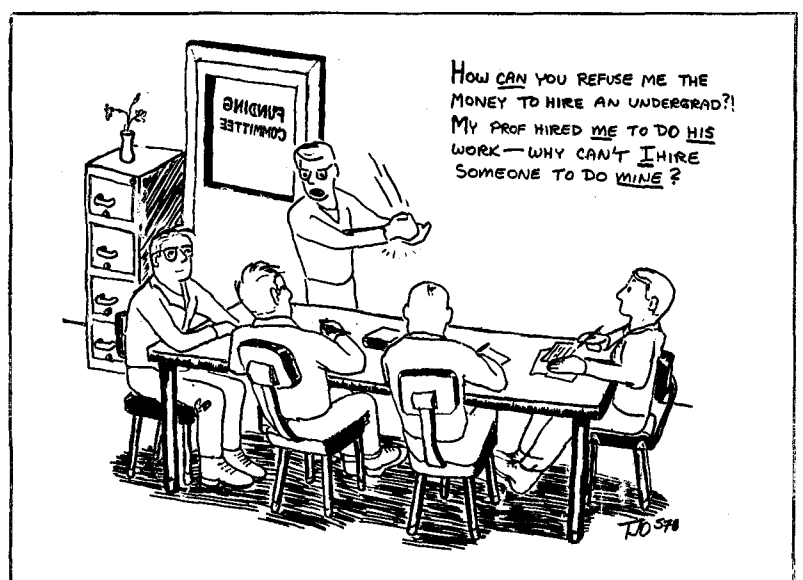
This proposal has the advantage of eliminating the possibility of double jeopardy, and safeguards the accused from both the appearance and the actuality of unfairness. Naturally, this alternative hardly represents the only possibility. Further discussion of the matter is called for.

Thus, we conclude that for all of its merits, the BOC's proposal has defects of sufficient seriousness to warrant its defeat. We urge a vote of "NO" on the issue in tomorrow's election.

—Philip M. Neches
—Ira D. Moskatel
—Paul A. Levin

The new Institute Directory includes a new feature of questionable merit. Specifically, we refer to the attempt to introduce numeric "mail stations." For example, the Tech's address is now 105-51 instead of simply Winnett Center. How many know where 105-51 is? How many know where Winnett Center is? We think that the idea should be placed in an appropriate recepticle, say in 111-51 or 205-33.

—(56-57). 121 S Chester No. 12 concurs.



Letters

Readers Differ on By-Laws Change

Sirs:

The concern of many students over the upcoming vote on the expansion of powers allotted to the BOC is well founded. Although examples of cases which might occur during a campus disruption and require an innocent verdict with respect to the Honor System and a guilty verdict with respect to further action are not plentiful such possibilities do exist. I think the memorandum points out the disadvantages of such a system without clarifying the reasons for adopting such a plan.

The reason for action on the part of the BOC is mentioned in the

opening paragraphs of the memorandum. The *Ad-Hoc Committee on Possible Disruption* favor the trial-by-peers principle. Consequently the BOC was considered for the position of judgement in campus disruptions. When faced with this situation the BOC decided that campus disruptions involving unacceptable behavior outside the Honor System were possible. I don't feel this point needs to be argued.

The question then was one of extending BOC power to this somewhat gray area of unacceptable behavior or of allowing some other group to consider the disciplinary action appropriate for such cases. It is my opinion that I prefer trial by students rather than faculty or administration. With this in mind I favor the proposed By-Laws change which expands or at least clarifies the position of power held by the BOC. Introduction of some other student judicial group seems completely unfounded to me.

I wish to make it clear that I in no way speak for the BOC and, indeed, my interpretation of their actions may be incorrect. However, this letter is an explanation of the situation as I see it and includes my reasons for support of the By-Laws change. This delegation of extended power to the BOC is in my opinion the best alternative, given that such power must come to rest somewhere within the Caltech Community.

—Joe Templeton

Throop Beat

PE Requirement Changed

by millikan troll

The Faculty voted to retain the Physical Education requirement, but to limit it to three terms required anytime prior to graduation. This replaces the current requirement of six terms of P.E. completed within the first nine terms, with two consecutive terms of failure in P.E. resulting in dire consequences.

Presumably, this new version of the P.E. requirement will apply retroactively; sophomores who have the requisite number of terms behind them may be exempt from further P.E. However, this issue may have to be haggled out by the Faculty Board.

Exchanges Come True

Reciprocal agreements to exchange students for between a term and a year have come to pass between Caltech and Pomona, Swarthmore, and Williams Colleges. Any student interested in spending some time at another institution without the red tape of a normal transfer (ie: on Dr. Huttenback's say-so alone), should see Dr. Huttenback. As stated in this column last week, arrangements for fees and transfer of credits will mainly be the responsibility of the student involved in the exchange.

The Division of Humanities will have a poetess-in-residence one term next year. ... A visiting appointment in drama may be in the offing. ... Should the Division of Humanities offer Chinese or Spanish? Only time will tell.

Bigwig Exchange

Continuing a practice started somewhere in the dim past, the administration of MIT will descend on Caltech for a series of conferences and such this coming Sunday through Tuesday. With confidence in its man-on-man defense, Caltech will assign each MIT administrator to his Caltech counterpart for the meetings. (For example, Dr. Brown is matched with Dr. Johnson, who is (surprise!) president of MIT).

Top of the Week

The Division of Humanities is reviewing its freshman year program, as well as its other offerings. ... Overheard in Throop: "The Admissions Committee is meeting next week to plot against the next batch of freshmen." ... A new parking lot reserved for undergraduates will be ready "within 30 days," we are told. The lot replaces a couple of old houses just north of the grad houses.

Have you seen the map of the U.S., appropriately adorned with the names and home towns of Techers? Look for it on the Olive Walk. ... Does Vitamin C prevent colds as Linus Pauling claims? A project may soon organize to test the claim. Orange juice, anyone?

Etaoin Shrdlu Winners

Once again, this column has two real winners for the infamous Etaoin Shrdlu Award for Wedge-headedness Above and Beyond the Call of Duty. First, to the City of Pasadena, for seeking to burn high sulfur oil in their plant on the Arroyo at the freeway entrance. (The oil the city seeks to burn, and already has stocked, contains 2.5% sulfur; variance is required to burn oil containing more than 0.5% sulfur). Anyone who has driven past the plant can smell some of the consequences.

Our other winner is the economy, for showing the first decrease in real GNP (the total value of goods and services produced in terms of constant value dollars) since 1958.

Dear Editors,

This letter is concerned with the upcoming By-Laws change ballot. Specifically, it is a request of all members of ASCIT that they vote NO on the proposed change. There are many reasons for defeating this proposal, among them, a definite lack of clarity in the resolution. I feel the most serious objection lies

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THE ASCIT MOVIES

THIS FRIDAY:

They Shoot Horses,
Don't They?

Culbertson Hall, 7:30 p.m. and 10:00 p.m.

Admission 75¢

Next week:

Comedy Night

The Third Wing

By-Laws Amendent

Too Much Too Soon

by Nick Smith

When a student organization becomes convinced of its own infallibility, something must be done, something drastic enough to rattle that group out of its self-proclaimed godhood.

As of this writing, there is an ASCIT By-Laws election set for Friday, January 22nd. Last week, in this column and in the Forum, several flaws were pointed out in this revision. Those opinions have set the stage for what may very well be a hotly contested election.

Wanted: By-Laws Writer

When confronted with the various statements made in last week's articles, one member of the ASCIT BOD made a statement that amounted to "Well, there are things wrong with it (the By-Laws revision), but we can change those things later." However, in the meantime, ASCIT would be stuck with an all-powerful BOC, a prospect not to be relished. Why can't those changes be made all at once,

if they are important enough to be made at all?

In addition, various things have led me to trust the concept of the BOC less and less. For example, did you know that they are even now operating outside of the By-Laws? In the By-Laws it states that the decisions of the BOC are submitted to the faculty for final action. This is not done. In actuality, I have been informed, the decision is submitted to the Deans, and at that point the penalty is generally toned down as being too strict.

No Experience Needed

There is no real appeal from a BOC decision, unless the defendant can show cause for a re-hearing. The BOC doesn't even have the most elementary safeguards, such as the right of a defendant to challenge the composition of the presiding board. Until a couple of years ago, the defendant was considered guilty of another violation if he spoke of the proceedings to anyone not

continued on page six

BOC Answers Questions on Change

by Leonidas J. Guibas

Q.1. Why did the BOC produce a memorandum on campus disruptions in the first place?

1. As expressed in the memorandum itself, the ASCIT Board of Directors and the Board of Control were charged by the President's Ad-Hoc Group on Possible Disruption with establishing procedures for undergraduates involved in a campus disruption. As more relevant to its concerns and competence, and with the approval of the ASCIT BOD, the BOC took upon itself this responsibility.

Independently of the above, is has seemed to the BOC that the establishment of such peer-based judicial procedures is in the student interest. Judging from the experience at other schools, such procedures have proven neutral for a fair administration of justice after a campus disruption.

These two factors then led to the

writing of the distributed memorandum.

Q.2. Why should not disruptive behavior, as defined in the Final Report be labelled a violation of the Honor System?

A.2. The BOC had taken the position that disruptive behavior need not constitute a violation of the Honor System. It is, of course, true that in most concrete situations one could imagine, disruptive behavior would undoubtedly be a violation. On the other hand, the BOC felt that it would be a bad precedent, and it could considerably weaken an already fragile Honor System, to univervally label such actions as violations. The reasons for this are simply stated in the memorandum and need not be repeated here.

Q.3. Doesn't the BOC already have jurisdiction over disruptive activities,

as they all seem to voice the suspicion of an Honor System violation?

A.3. Yes, if one is willing to make the indirect argument that some member of the Caltech community has been taken unfair advantage of by the disruptive behavior. Under the heated circumstances of a disruption, however, it is unlikely that such arguments will carry the force they have in the event of an ordinary violation. Ascertaining who has taken advantage of whom during a disruption may be an exceedingly difficult task. Thus the BOC felt it would be wiser if it considered such cases only after it had been given an explicit mandate, explicit authorization, by the Student Body to do so. The proposed By-Laws change would provide the BOC with this authority.

Q.4. Why wouldn't the BOC be content with handling disruptive behavior only to the extent that it fell under the Honor System?

A.4. The critia defined in the Final Report, the official institute document, for disruptive actions, are nowhere stated to fall under the Honor System. The BOC is perturbed by the possibility that although a person involved in a campus disruption may be guilty of an Honor System violation, the administration might still apply sanctions against him. This might be done under the pretext that the BOC had not really considered the case as disruptive behavior, under the criteria defined in the Final Report. Thus there are two possible alternatives: Either disruptive behavior is included under the Honor System, or a certain body is to be given the authority to consider the case as a campus disruption in the full context of the Final Report. Why the first alternative is undesirable has already been explained. We discuss the second in a while.

continued on page seven

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On Campus Interviews

February 17, 1971

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No, this isn't a Tech Business Manager out to collect some bills. It's "The American Dream," a film about the life and life-style of Dennis Hooper. Breaking with the movie-house tradition, the film will be marketed directly to colleges around the country.

Letters View BOC Change

Continued from Page Two

in the basic proposal that the BOC be given judicial authority in the case of a campus "disruption" (which I will henceforth simply call a riot).

In the past, I feel that the BOC has shown itself perfectly able to pass fair and rational judgement on individuals brought before it. I have severe doubts about the BOC's ability to maintain such standards in the case of a riot. In the first place, I cannot conceive of an upheaval occurring here if all the students were to remain in calm, rational state or if the honor system were generally being followed (if any of your readers *can* conceive of a disruption that would not also be a honor violation, I would like to hear about it). Given the extraordinary mental states leading to a riot, I would certainly be unwilling to put my faith in a BOC which may turn out to be composed of highly biased individuals, and which is not bound by a system of fair impartial process, but more by the whim of the BOC members.

I am certainly not suggesting that under normal conditions, the BOC members are incapable of being fair and impartial. I am strongly suggesting that under riot-prone circumstances, no one could claim beforehand that they would be able to remain fair and impartial. For that reason alone, I would like to

see extraordinary procedures planned and enacted that would put more of a check on personal whim.

I am also very much against the idea of closed hearing after a disruption (currently a part of BOC procedure). The best way I can think of to start a *second* riot would be to have "star chamber" proceedings (not too likely I admit) or to have some central figure *claim* that he was unfairly crucified by the BOC (I fear that is very likely). With closed hearings the only counter to such a situation would be the word of the BOC itself, which I suspect would not be taken without a great deal of suspicion. Open hearings with strong rules against disruption of those meetings seem to me to eliminate the possibility of someone manipulating the BOC or the masses. Certainly, each person should at least have the option of an open hearing.

My basic point is that I would rather put my faith in procedures that can be designed to circumvent any judicial atrocities, without unduly hampering the fair operation of the BOC. I am convinced that such a system can be set up. In any case it is much easier to assure the impartiality of laws than of people. Please vote NO.

Sincerely, Ctein

ASCIT of Seita

Continued from Page One

February.

At this week's meeting, requests for funds by organizations or individuals solicitations for sagacious advice or prophecies, and be seechments for consolation or mercy will entertain the ASCIT B.O.D. The meeting will be held at 9:30 p.m., Thursday, January 21, in Winnett Clubroom II.



Join the TECH staff
and see your name in print.

Be a proofreader and see
it spelled correctly.

Geodesic Thinker...

Continued from Page One

possibly be brought down to \$100. The military invented science, but they didn't do anything about man."

Fuller and Ehrlicke are "technical advisors" for a TV pilot entitled "Earth II." Premise of the film is a society of 2000 people living in a space station 300 miles above the earth ("outside," Fuller corrects). The society has no weapons and the entire population votes electronically on every major issue. As in many television programs, this is a simplistic solution and the writers are dealing with earthly issues of man-to-man relationships (man to woman maybe?). A lot of effort has been put into the design of the architecture of the space station to create the necessary basis for

interesting plots.

Spinning Spokes

The station, as Dr. Ehrlicke sees it, consists of a gravity-free axis with ten story radial apartment buildings attached to it. The whole system rotates slowly to create an artificial coriolis gravity. Regular shuttles run between earth and the station.

So far it sounds like any science fiction writers conceptualization of a space station. The head writers, William Read Woodfield and Allan

Balter, sound reasonably sincere in their desire to make the series realistic and ambitious in their attempt to represent the kinds of research and technology useful and possible in the very near future.

"Star Trek" was a series which dealt with the human problems of advanced technology well beyond the range of present possibility. The series was entertaining and provocative. "Earth II" sounds like it might be the basis for a valuable addition to the man-made video-void.

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films

When the sex scenes become some of the least offensive parts of a film, it has really gone past the bounds of good taste. Ken Russell's new film, *The Music Lovers*, has to be one of the most hideous films ever produced. While it is quite probably historically accurate, its impact is so unnecessarily tremendous that the audience is left feeling absolutely rotten. There is no relief, just 122 minutes of pure hell. In an attempt to cure them of cholera, both Tchaikovsky and his mother were boiled alive (but to no avail). Most of the scenes in the insane asylum were unnecessary or over-done.

The film traces the pathetic destruction of the composer and those around him. Tchaikovsky (a homosexual) wanted marriage without a wife. His wife (a whore who truly loved him) wanted a husband with or without marriage. His benefactress wanted an unseen lover without marriage and without a husband. That sort of equilibrium can't last for long; it didn't.

I don't mean to say that the film was badly done: acting, photography and music were superb, although a few lines of the script were pretty corny. It's hard to imagine how they were able to

make Richard Chamberlain into a Tchaikovsky, including having him play the piano, but they did it. Glenda Jackson did a very credible job of portraying his wife. The London Symphony was outstanding. For as long as ten minutes at a time they provided the only sound; the action did not require any dialog.

Anyway, don't go to see it. It's worse than tragic, far worse. I bet Ken Russell can't even live with himself, at least I hope he can't. Perhaps he should be given a hot bath to put him out of his misery.

—Paul Levin

records

NEW MORNING by Bob Dylan; Columbia KC 30290.

This album is a great improvement over both *Nashville Skyline* and *Self Portrait*, Dylan's last two efforts. He has kept the relaxed voice and the best of the Nashville rhythms, but in addition he has returned to writing good lyrics. "If Not For You," "Time Passes Slowly," and "New Morning" are as good as just about anything he wrote in the mid-sixties. This is not his best album, but it is definitely the best Dylan since *John Wesley Harding*. All of the material was written by Bob Dylan, and he plays guitar and piano on most of the cuts. He even plays around with

a little jazz-blues on one cut, and does it well. This is a good album to buy.

WHALES AND NIGHTINGALES by Judy Collins; Elektra EKS-75010.

This is the first completely new Judy Collins album in two years, and it is a thing of beauty. Even though it doesn't have the Judy Collins version of "Chelsea Morning" on it, the album should be enough for true Judy Collins fans. The songs are by such people as Pete Seeger, Bob Dylan, and Jacques Brel. She improves on the original versions of two songs, Dylan's "Time Passes Slowly" and Joan Baez's "David's Song." The album also includes a few traditional songs with new arrangements, including "Amazing Grace" done in a cathedral and "Tarathie" to the accompaniment of whales. "Nightingale I" is a song written by Judy Collins, and "Nightingale II" is the same song without voice, only longer. This is a beautiful album.

CHRISTMAS IN MY SOUL: BEADS OF SWEAT by Laura Nyro;

This is an album no Laura Nyro fan will want to miss. Most of the songs were written by Laura Nyro, the sole exception being "Up On the Roof," the old Coasters hit. Even this gets a new treatment, one unique to the Nyro style. Laura Nyro's writing is not quite as good as that of Joni Mitchell, but she's getting close. "Christmas in My Soul" and "Beads of Sweat," the two title songs, will be lost on most of the public, since they will probably never be recorded by the Fifth Dimension, but the songs are among the best of Nyro. The Critical Ear song title of the year award goes to a song on this album entitled "When I Was a Freeport and You Were the Main Drag."

—Nick Smith



Philip Massey

BOOKS

I Will Fear No Evil by Robert A. Heinlein, Doubleday, 1970.

Fear No Evil is Heinlein's newest book, the first since *The Moon is a Harsh Mistress*. It is a large book. It has a nice black cover. The print is normal-sized.

That is all that is easy to say about it. I haven't decided yet if I liked it or not—I don't dislike it. It may be a good book. It might even be a great book. It may even be mediocre, and evidence that the "Dean of science fiction" is either senile or no longer cares.

The story centers around a very old man named Smith (no relation to Valentine M.). To make a long story short (something that Heinlein could have done, didn't, and I still don't see way—but there probably is a reason): Smith becomes the first human brain transplant patient. He wakes up in a woman's body, which turns out to be the body of his secretary, who he loved. She isn't quite dead, though, and so the story goes.

Heinlein is perhaps the only

author that could make me swallow the brain transplant part. He does make it believable. The reactions of the people are real-people reactions, they always are. (Most of his characters seem to have more human reactions and emotions than most humans I know.)

As Heinlein grows older his Heinlein-like characters become older. Jubal in *Stranger* was an old man, but younger than the Professor in *Moon Is*. Smith is the oldest character yet, and the other main main person in *Fear No Evil* is very, very old.

While *Stranger is a Strange Land* discussed many things, *Fear No Evil*, has one theme, one significant message. It has to do with life, death and birth, but I can't word exactly what it is. It's worth reading the entire book for, and once I did that I decided that the book did have to be as long as it is to accomplish whatever it is that it does.

I still wish I understood what that is, though.

More News Briefs

continued from page one

in the Athenaeum parking lot, Ken Charles, head of campus security, has announced that his people will begin enforcing Rule No. 7 on January 25. This rule prohibits all student parking in this lot.

Mark Taper Forum Offers Special Student Discount

Students can purchase season subscriptions for the "New Theater for Now" series at the Mark Taper Forum for \$10 for five plays, as compared to \$17.80 or \$23.25 for regular subscriptions. The plays include Ovid's *Metamorphoses*,

Shakespeare's *Othello*, and Shaw's *Major Barbara*. For information, write or call the Music Center, 135 N. Grand Ave., Los Angeles, California 90012 (626-5781).

Convocations Committee Seeks Graduation Speaker

The Convocations Committee is interested in students' suggestions for a graduation speaker in June. January is not too early to make such arrangements. Anyone who has any ideas on this matter should contact Bruce Reznick in Blacker House, or leave a note in his box.

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The Third Wing

continued from page three

involved, even to complain of unfair treatment. And ASCIT wants to give that kind of a board discretionary powers in case of a campus disruption? Why not just call in Judge Julius Hoffman to chair the proceedings, with appeals given only to Ronald Reagan for arbitration?

As if all that weren't enough to make one doubt the wisdom of putting power into the hands of the BOC, here's something else: it was not until this week that the BOC began considering what to do in cases where the Honor System has been violated by someone who is not a member of ASCIT. Yes, that entire amendment was proposed and written without planning for the contingency of non-ASCIT members causing campus disruptions.

Or Competence, Either

Supposedly, the BOC and the ASCIT BOD spent two terms deciding upon the amendment to the By-Laws concerning campus disruptions. If they spent that much time and accomplished that little, I think the job of writing the revisions should be turned over to someone else. In the case of an actual campus disruption, the proposed By-Laws revisions would have an effect directly proportional to the competence of the reigning BOC. If the BOC at the time of a disruption proved to be weak-willed, the amendment is without practical value. If they proved to be too strongly-motivated against the disruption, they would have the power to purge the campus along Stalinist lines. Remember, under the new By-Laws, only one person would have to complain, and there seems to be nothing to prevent that person from being on the BOC at the time.

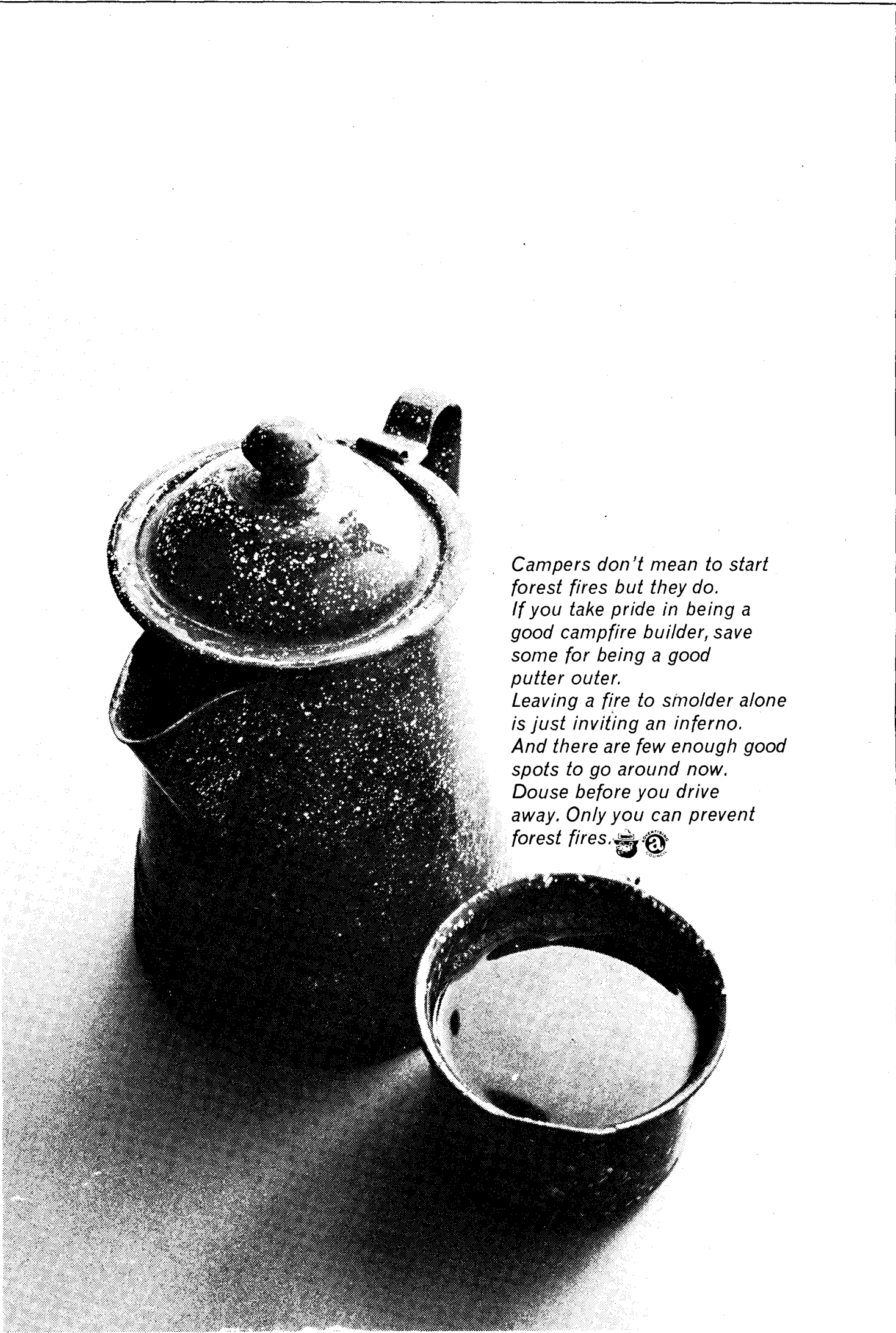
Should the BOC be given wide discretionary powers? Has the BOC proven itself competent to handle major changes? Should Mr. Guibas' By-Laws revisions be accepted? I say no to all three, and it is my fervent hope that the ASCIT By-Laws revisions are defeated in the election this Friday.

That might even make ASCIT stop and think, if it still can.

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Wrestlers

Continued from Page Eight

year, with both the team championship and the Outstanding Wrestler Awards. Pomona moved up from third to second, taking first place in three weight divisions. Rounding out the lineup were teams from Azusa-Pacific, Cal State L.A., Caltech, Claremont-Harvey Mudd, La Verne, L.A. Trade Tech, Pasadena College, San Fernando Valley State, UC Riverside, Redlands, and Whittier College.

Randy Lewis was the only member of the Caltech team to take a first place, defeating his opponents to win in the 134 lb. class. Rick Smoody was taken down at 190 lbs. to capture second place, and Bruce Johnson, last years' heavyweight champion, was finally defeated in overtime and took second also. Gary Zieve defeated his opponent in the consolation finals to take third place at 150 lbs.

Guibas Continues In Defense Of BOC Amendment

continued from page three

Q.5. But why is the BOC, for example, better fit to pass judgement on such a case than the administration?

A.5. Suffice it to mention that the BOC is directed elected by the students. In deriving its power directly from the students, it is unlike members of the administration which obtain their authority from the President. Outside pressures are thus less likely to influence the Board of Control than others, whose very livelihood depends on those higher up in the administration.

Q.6. Why, though, the BOC instead of some other permanent student group?

A.6. The argument for this is given in the memorandum and there is no

need to duplicate it here.

Q.7. Why should not a jury be elected or appointed after the disruption.

A.7. Election of a jury after the disruption could develop into a political struggle of the first magnitude. The deleterious effects of this could be fatal to the principles of justice and fairness. If the jury is to be appointed, the question arises by whom, by what permanent body? Thus in a sense we are back to a previous question. Why should, for example, be the BOC better qualified to select a jury than to be the jury itself? In any case, selection of a jury in the tense atmosphere following a disruption may be plagued by the same difficulties as a direct election by the students.

Q.8. Wouldn't a student-faculty group be better than the Board of Control?

A.8. Possibly. A number of students, however, feel that they should have the right to be tried by a group of their peers only. It is difficult to deny them this right. This principle of trial-by-peers has been fully incorporated into the Final Report and has thus become the Institute policy. A change would be difficult and time consuming. At the same time it should be emphasized that although each peer group would be independent of the others judicially, close cooperation between them is going to be a matter of necessity, a point already made in the memorandum.

Q.9. Aren't the procedures proposed by the BOC really rather vague?

A.9. Yes. It has seemed to the BOC that what should be done at this stage is to simply establish some

general guidelines. Those include a) disruptive behavior will be handled by the BOC, and b) the BOC will handle such cases in full accordance with principles laid down in the Final Report and with procedures that fall entirely within the spirit of those used for the Honor System violations. Further elaboration of procedures should be done only after a good deal of more thought has been given and some experience accumulated concerning the problems likely to come up. In the meantime it seemed preferable to trust a group of people to improvise as they see fit in a particular case, rather than bind their hands by ill-thought out and unnecessarily restrictive procedures.

Q.10 Why should hearings be closed?

A.10. This was originally so stated simply because the BOC wanted to handle disruptive behavior in a manner entirely analogous to Honor System violations. Clearly a defendant should have the right to remain unidentified if he so desires. On the other hand, by the same token, he should also have the option of an open hearing. Further discussion on this point convinced the Board that its procedures could perfectly adequately be carried out publicly. Thus it approved the following change in the last paragraph of the resolution. The first sentence is to read: "All such proceedings shall be kept closed, unless, in the event of disruptive behavior only, the defendant requests an open hearing." The BOC is also currently debating to what extent the same should be applicable to Honor System cases. Further information on this will be forthcoming.

Q.11. The resolution is worded to apply to "members of the ASCIT Corporation." What about those undergraduates who do not belong

to ASCIT?

A.11. This is an unfortunate defect of all legislation concerning the Honor System and the Board of Control. Clearly the intent is for such procedures to apply to all undergraduates. The Board felt that it should attempt to change this once and for all in the near future for all relevant documents, rather than make at this point piecemeal alterations here and there. So this is a separate problem that will be handled by the BOC in the future.

Q.12. Don't the proposed Procedures smell of double jeopardy?

A.12. Although the BOC did not want to in-principle identify disruptive behavior as a violation of the Honor System, it is felt that procedurally it made good sense to subordinate considerations on disruptive actions per se to those involving the Honor System. It has already been stated that any disruptive action would entail the the suspicion of an Honor System violation. It is the intent of the BOC to always handle it first as such.

If the Board, however, finds that no advantage has been taken in the cause of the Honor System, it can vote to further consider the case as disruptive behavior only at this time. This further consideration is necessitated by the arguments given in our answer to Q.4.

The above are intended to explain the motivation behind the third and fourth paragraphs of the resolution. Since disruptions and violations are not identified, consideration under two formally distinct criteria is necessitated. On the other hand, and conviction of a violation of the Honor System automatically terminates any consideration of the case as disruption only. It should then be absolutely clear that no one can be convicted twice for the same offense.

Q.13. Wouldn't the proposed change in the wording of the By-Laws allow a future BOC to interpret disruptive behavior as falling totally under the Honor System?

A.13. Yes, it would in each particular case. But then this is no different from the present situation where BOC can, decide that disruptive behavior has constituted a violation. On the other hand it could in no way be construed as implying that it obligates that BOC make such a conviction.

Q.14. Did the BOC try to obtain input from the students on this issue before drafting the memorandum?

A.14. Yes. The BOC Reps tried to have discussion at their houses on this very issue last spring. They brought it up again when talking to freshmen this fall. An article in the *California Tech* last May contained the essentials of the resolution incorporated in the memorandum. There were several publicized business meetings of the BOC last spring and early in the fall. The BOC has also extensively consulted with the faculty and the administration of this issue. From the student's point, however, until last week, response had been very small.

Q.15. Why weren't there some more alternatives presented?

A.15. This suggestion is perfectly reasonable when it comes down to having to choose from among specific regulations or elaborate procedures. On the other hand, as explained in the answer to Q.9., the BOC at this point is only trying to establish some general guidelines for handling disruptive behavior. At this level a clear yes or answer seems most appropriate on each issue.

As a final comment, the procedures for a By-Laws change necessitate this format of voting.

Reynolds

Continued from Page One

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"MY HEART SOARS LIKE AN EAGLE" — now I just hope that I land like a swan." —Photo by Fisher

Steamy Bright

Swimmers Place Third

by Bob Kieckhefer

Last Saturday the swim team ignored the inviting clear air and bright sun to enter the steamy indoor Redlands pool and finish third in the SCIAC relay meet. (Pre-season "authorities" had predicted a last-place finish for the Tech swimmers.) Although the Techers lacked speed, they swam a conservative meet and beat the Redlands and Pomona teams while losing to a strong Claremont-Harvey Mudd team and to Occidental.

Coach Lawlor Reck's strategy was to enter a team in each race and to be contented with gaining points while finishing last or near-last in each race. Since Pomona and Redlands had too few swimmers to enter teams in each race, this strategy paid off. Also, two Occidental disqualifications gave the Techers added points.

Manager Lorne Schachter and divers Greg Beall and Alan Rice each swam a race, helping provide the team with 22 points, more than the margin of victory over Red-

lands. The final score was Claremont 110, Oxy 76, Caltech 61, Redlands 46, and Pomona 22.

The previous day, Cal State L.A. invaded the Tech pool and went home with a 69-43 victory. Bob Coleman once again led the team, scoring victories in the 1000-yard freestyle, the 200-yard individual medley and the 200-yard butterfly. Bob Hall scored the only other Caltech victory, in the 200-yard breaststroke. Second placed went to Greg Beall (in both diving events), Tim Hight (two seconds), Steve Bitondo and Lou Fielder.

This Friday the team again travels east, this time to take on UC Riverside.

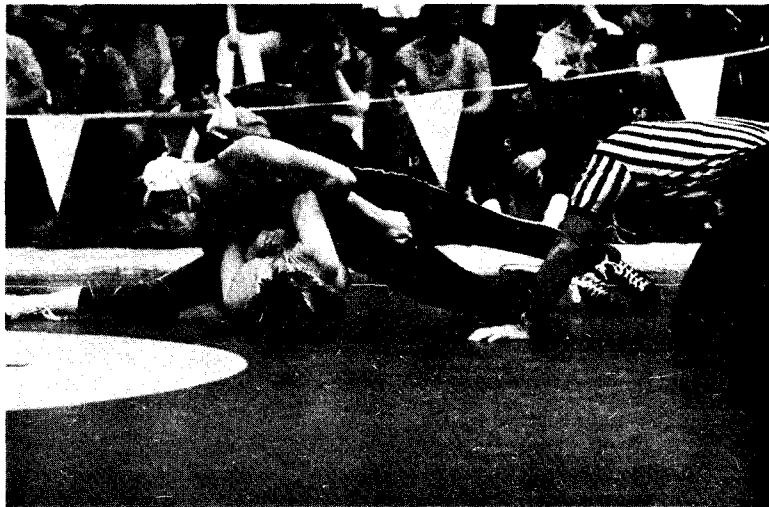


Citrus JC Douses Tech Rugby Saturday 6-3

by Roger Gans

Citrus Junior College scored a disputed try in the last few minutes of Saturday's rugby game to defeat Caltech 6-3. A penalty kick had been awarded Citrus at the Caltech five yard line, and Citrus elected to run from the kick. The run lead to a loose ruck at the Caltech two, from which Citrus ran to the blind side. Joel Adler, defending for Caltech, and the Citrus man, touched the ball down together, and the referee ruled that a try had been scored. The conversion attempt failed. Time ran out before Caltech was able to mount a drive.

The game was sloppy, especially in the second half as both teams tired in the near ninety degree heat. Citrus scored a try in the first half and failed to convert, making the halftime score 3-0. Caltech's only score came on a penalty kick by Jean-Pierre Dolait midway through the second half, tying the score 3-3. Caltech had two near tries. The first came when a quick throw-in caught the Citrus defense unaware. Joe Davis appeared to score, but had touched the sideline on his way in. The second came on a fine break by Paul Barstad, who eluded three men and gained forty yards before finally being brought down.



FALLS FOR HIM — Randy Lewis of the Tech wrestling team demonstrates how to take a first place by tying his opponent in a double bowline. —Photo by Fisher

Tech Grapplers Third in Tech Invitational

by John Fisher

The Caltech wrestling team grappled its way to third place in the Second Caltech Invitational Wrestling Tournament held last Saturday.

Cheers from the stands, curses from the coaches, and sweaty bodies were all in evidence in the preliminaries as the contestants struggled on three mats from noon

until dinner time. At 6:30 p.m. the consolation finals took place, with contestants battling for third place, and at 7:30 p.m. the finals started in earnest, with the championships in contention.

Thirteen schools took part in this years' tournament. UC San Diego, which tied for first with Tech last year, ran off with top honors this

Continued on Page Six

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