Faculty Board Votes For Undergrad Girls

by Jim Cooper

In an interview for the California Tech, Dr. Norman R. Davidson, Chairman of the Faculty Board, reported that last Monday's meeting of the Faculty Board approved recommendations made by the Student Association Committee on the Admission of Women. Dr. Davidson added that after a presentation by two members of the Student Ad Com mittee on the Admission of Women, Dr. Bernstein and Richard Flamman... last Friday before a faculty discussion meeting on the subject, after this information among faculty members, the Faculty Board agreed to recommand that "the California Institute of Technology proceed with all deliberate speed toward the admission of women undergraduates." Dr. Davidson pointed out that what the recommendation would do is approve the principle of the admission of women to Caltech. Only after the recommendation has been approved by the faculty, and then by the trustees, would the actual details of admitting women to Caltech be investigated and actual plans made.

Changes in Freshmen Requirements

At the meeting, the changes in freshmen requirements proposed by the Faculty Ad Committee were also approved by the Faculty Board. The proposals approved by the Board include lowering of the required course load for freshmen from the present average of 46 units to 44 units; the elimination of Physics 1 Lab as a requirement; the elimination of certain portions of Chemistry 1 Lab as a requirement; and the requirement that freshmen to take elective courses approved only by the seniors, such as Biology 1 and Geology 1, as well as other elective courses to be designated by various departments specifically for freshmen.

Dr. Davidson stated that the purpose behind these recommendations is to provide students with a reduced required workload and to allow more time for spontaneous, self-directed activity." Dr. Davidson also said that he felt these changes would "give more free time to students.

Definitive Proposal Imminent For ASCIT Research Effort

by Alan Stein

"We've got the proposal going," says Joe Rhodes. "We have got to whip the proposals into shape." Mike Goodman, chairman of the Coordinating Committee for the Project, states that ideas are needed from the rest of the students with regard to organization of the project. Mike Stefanko, chairman of the Research Associates Committee, would like to see people with ideas about the I.A. program. These people are not pessimistic about the project, but they realize the need for more good workers in the project over the last six months and the actual Project could last two years. Although the pilot program will not begin until the second term, much planning must be done beforehand. The R.A. Committee, which will obtain the researchers that the Frosh Scientists would like, will definitely provide some backbone to the project. The I.A. program will be definitely involved in the I.A. project, and the estimated budget for these studies will be $200,000. Proposals are being submitted to local foundations this week.

The present plans for the project include two meetings in the Eastern United States to be held in the first two Decembers. The first meeting will be held on Dec. 2 and will involve such schools as Cornell and S.L.T. The second meeting, to be held one day later, will include the Carnegie-Mellon University, Ohio State, the University of Pittsburgh, and others. At these meetings, the I.A. committee will plan the means of attacking the problem of air pollution. The pilot of actual work will begin in the first year, but the rest of the work will be done in the following years.

The biggest gripe is over the quality of the texts. Many advertisers in the little t, such as Beckman Auditorium, Klein's, and Cal-Lake Cameras give discounts to Teckers, but the Bookstore does not. According to Kermit A. Jacobson, Director of Procurement and Auxiliary Services, "the Bookstore have never gone into the institute's general fund. Instead, money goes into funds for student use.

The Winnnet Student Center was built, the bookstore was placed on campus, for student use. The Winnnet Student Center was built, the bookstore was placed on campus.
Neglect?

Kohnert

As the excitement about the Research Project has grown the work of the Academic Before Groups has been somewhat overshadowed. On the Teaching Techs the past year has been a bit of a failure for everyone. On the other hand, the Caltech students have had the opportunity to pick up the ideas and concepts of the Academic Before Group, and the Caltech has become a more attractive place for the students and the faculty. This will not be accomplished by raising prices, enforcing rules more strictly, or other such negative proposals.

Students

Students feel that the California Tech Students Committee was so true to the end of the year to consider fundamental changes in the House. Is it still too close to the end of the school year?

—Les Fishbone

More Notices

(Continued from page 1)

A.S.M.E. SEMINAR

The A.S.M.E. Seminar will be held on Nov. 29 in Winnett Clubroom 2. All interested people are invited.

TOTE DEADLINE — NOV. 31

This will be a Tote meeting on Nov. 27 in Winnett Clubroom 2. Bring all your contributions to them to Bill Hocker, 53 Blacker.

THINK SNOW

Caltech Ski Club organizational meeting will be held Tuesdays and Wednesdays, Nov. 19 at 8, in 102 Firestone. Please see Ski Club Bulletin Board in Winnett Student Center for further information.

Letters

Smog & Mog

Editor

Monday, November 20th, will mark the beginning of the Caltech YMCA's annual fund drive among the undergraduates.

This year's goal of $5000 is significant for two reasons, the first being that the Caltech Y has probably the greatest amount of student financial support of any student Y in the nation. The amount raised annually is also significant to the Y's total income, since many contributors use the student fund drive as a measure of the student's support for the Y and its programs. Each dollar that is brought in by the Fund Drive increases the amount of outside contributions for the next year. The drive will run from Monday to Wednesday, and resume after Thanksgiving vacation and conclude on Wednesday, November 29th.

Pledge now, pay later.

In the House, the drive will be conducted on a personal basis, the House Drive Chairman making announcements and following up on the UCC's, who will do the actual solicitation of pledges or money. Donations can be in the form of cash, a check, or a pledge; the last of these enables the student to put his donation in the corner of his desk. It is probably the most convenient form of contribution for the student who might not have money at the present time, but who wants to keep his name on the list.

The Y sponsors the Scripps Conference (with the Phi Kappa) for a four-quarter — 50 Scrippses and 50 Teckers retreat to the mountains for an enjoyable, highly meaningful (and sometimes) weekend), the Political-Military Exercise, quarterly Sensitiv­ity Conferences, and the Fresh­man Dinner Forum, which last year heard Havard, Braddick, and Feynman, and James Rom­mer. Almost too numerous to re­member are the many Olive Walks and Talk-In Semin­ars in the Y Lounge. Last year, the Y brought to campus under its Leaders of America program Paul Goodman, noted philosopher of education, Rosemary P a r k s , then-President of Barnard Col­lege, now Vice-Chancellor of UCLA, and Prof. Abraham Kap­lan, a widely respected and stimu­lating philosopher.

This year, the Y has imple­mented a four-phase program, "The Ghetto and the City: Bigotry or Promise?" In relation to this presentation, Senator Thomas Kuch­et will be on campus on Thurs­day, November 30th. While he is here there will be an opportu­nity for him to interact with students, and he is scheduled to give a major address in Beckman Auditorium that night. This past Sunday, in Beckman, the Y sponsor­ed a Dixieland Band Concert through the efforts of the Mis­滇, the MPTFR.

For the future, the Y has plans for a seminar on LSD and Chro­nic Disease, a foreign and experimental film seri­es, and the usual range of Y activities.

Larry Shirley

DYAMA Fund Drive Seeks
Campuswide Student Support

Californiam Tech: The California Tech

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CALIFORNIA TECH Thursday, November 16, 1967

Page Two

Student Houses Need
Revitalization

As they do each year, the Student Houses are causing con­cern among the Faculty Committee on Undergraduate Housing. At a recent meeting of that committee, resi­dents associate of the Houses repeatedly heard harsh words because of their tolerance of the easy-going attitude that exists in the College. Nothing has been done to make the Houses into truly attractive places to live. Moreover, the rumors pervade the air that next year prices will rise again for campus living, making it ever more economical to leave off campus.

Last year, the students made a decision that would create three different sets of living accommodations on campus. The current "Old Student Houses" would remain socially structured, but graduate students who wished to live in them could do so. The "New Student Houses" would become dorms with meal con­tracts, open to grad and undergrads. Finally, the graduate students predicted that the Graduate Houses would open to grad and undergrads as dorms with no meal contracts.

This plan has the advantages of opening up more alterna­tives than exist now, while still reflecting the university of the franchise system. Moreover, it would increase the Faculty's choice of dorms, and it would increase the students' choice of housing.

Undergraduate Housing. At a recent meeting of that commit­tee, the Institute maintain that the Houses are merely a convenience for the students and are not meant to be part of the total educational experience. This is a naive view at best. Optimally, the Houses should be so attractive that they become a desirable part of the Caltech experience. This will not be accomplished by raising prices, enforcing rules more strictly, or other such negative proposals.

This year, the Interhouse Committee said it was too close to the end of the year to consider fundamental changes in the Houses. Is it still too close to the end of the school year?

—Les Fishbone

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THINK SNOW

Caltech Ski Club organizational
Which Cal Tech man is a decision-maker at General Electric?

(They all are)

Dr. Louis T. Rader received his doctorate from the California Institute of Technology in 1938. The previous year he joined General Electric at a research position in its basic research engineering program. Today, he is Vice President and General Manager of the Company’s Industrial Process Control Division.

Decision-maker? You bet! But every Cal Tech grad gets his share of responsibility at General Electric.

And Mechanical Engineer Dr. Donald A. Kupath, MSME ’60, also at the R&D Center, is involved in development studies of manipulators and other mechanical devices.

How about you? Do you have what it takes to make important decisions for General Electric? If you think you do, talk to the General Electric recruiter when he’s on campus. He will be glad to supply you with more data and answer any questions you may have. He will also be glad to make appointments for you to meet with General Electric representatives.

Winnett Facilities Crowded  
More Work Space Needed

The use of facilities at Winnet House Center has recently reached a saturation point. Close to 80 organizations hold over 1000 meetings each year in Winnet House.

The reasons for this saturation are varied. Caltech has a surprisingly large number of organizations; ranging from bridge to computers, from airplanes to mountaineering, the diversity of interests represented is large when the combined graduate and undergraduate population of slightly over 1300 is considered. This large number of organizations severely taxes the limited space of Winnet House, making meeting and desk space difficult, if not impossible, to obtain.

Cram

In addition, the large number and varied nature of the pieces of equipment located in the lounge (including a stereo unit, a television set, an electronic organ, and a piano) leads to conflicts in the use of the lounge.

Tied in with the general space problem is the lack of suitable meeting places for the musical organizations, such as Glee Club.

This desire to break the strong lines between grad and undergrad was shared by Dr. Humphrey and Dr. Knowles. A major concern was to encourage a number of graduate students to move into the undergraduate Houses. The only requirements for moving either way are to first, have the available space, and second, receive the approval of Drs. Hutterback, Humphrey, and Knowles.

Some of the reasons for moving were stated by several of those changing houses. The biggest reason was to get away from the noise. Also, with kitchenettes, food could be fixed more cheaply and to conform to more personal tastes.

Bill Kofis, living in Marks, said that since he was taking two graduate courses already, the arrangement was well suited. Irving Yura said, "It’s an individual thing. If you want to move, you do. It all depends on what sacrifices you want to make and what advantages you want to take."

The major purpose in permitting undergrads to take Dr. Knowles office was to break down the rigid departmentalization between grad and undergrads. Ideally, the grad and undergrad would be mixed in the Student Houses.

This problem is caused by a soundproofing problem over the R&D Center which makes meetings and open house events held simultaneously. The necessity to find another meeting place for these programs.

Among the solutions which have been suggested is the use of the soon-to-be vacated steam plant for student facilities, the creation of more classrooms and other space by the moving of the Caltech student residence and creation of separate rooms for the co-op people, and such activities such as television. Although work is currently being done on the latter two, no immediate solution is envisioned.

Oppen to Widen

Visuals

New York poet George Oppen will be the recipient of his first endowed chair in Caltech's Winnet Center Lounge on Wednesday, November 28, at 8:00 p.m. The program is being presented under the auspices of Caltech's Faculty Committee on Programs. Oppen will read "Of Being Numerous," the title poem of a volume to be issued by New Directions in the spring of 1969, and other poems.

George Oppen has been a figure of importance in American poetry since his first volume entitled "Discrete Series" was published in 1954 with a laudatory introduction by Ezra Pound. Oppen has been hailed as a poetical craftsman and his poems reflect his years as cabinet maker, experimen-tal mechanic, and designer and builder of furniture. Mr. Oppen has stated that the discussion of his works following the reading at the Caltech student lounge in Winnet Center will be neither technical, literary-gossipy, nor arty, if I can help it."

Discounts?

(Continued from page 1)  

furnishings for the bookstore were not part of the donation, so approximately $250,000 was borrowed from the Institute's endowment fund to cover this cost. Profits from the bookstore are being used to pay off this mortgage. When asked how much is being paid to the mort-gage each year and how much re-mains to be paid, Jacobsen replied that he did not have the figures immediately available.

According to ASCIT President Joe Rhode, ASCIT had been receiving $1700 annually from bookstore profits. Last year the BOD had discussed the possibility of student dues paying for this mortgage, but instead the amount was raised to $3000.

Jacobsen pointed out that the bookstore is becoming over-crowded for music and was being considered for a new building. Since it is not always possible to get a donor for new building money must be saved for future expan-sion. He explained that rent at each facet of Caltech is Interrelated with all others; the mortgage must be paid. Debt being in the general fund would affect funds in all other facets. He stressed that the few
Limited edition of Tolkien's \textit{Tolkien Reads the Lord of the Rings to Music}. This record is a must.

\$3.95
Research Project in High Gear

(Continued from page 1) being made by the students to get the Project rolling. The initial organizational structure has been set up in a highly flexible form, to include six groups. The ASCIT BDG and the Coordinating Committee provide an overall cohesiveness and determine the eventual structure of the project. The Study Committee is presently doing research, to define the specific problems involved in the project, through its individual members.

The Research Associates Committee is determining the means for getting students from other campuses to come and work on the project. Several problems have to solved, centering on the questions “How do they live?”, “How can they take classes?”, and “What do they do besides live and take classes?”. It is planned that several students would participate during the second term and more during the third. The initial grant of $100,000 will largely be used to solve these problems and test the solutions through the pilot.

The Lab Technicians Committee has a program to train technicians in the planning stage, and it will work with the R.A. Committees to solve the problems of obtaining workers. A general outline of their preliminary program has three phases: a selection phase to choose applicants on the basis of interest and ability, a placement phase to match the prospective trainees with the research group that best suits him, and a training program culminating in the job training with the teaching of basic skills and vocabulary, and independent study and work in class lab situations.

The Funds Committee is responsible for finding the Project through private and public sources. They will write the proposals for the Federal Government and larger foundations to examine. $100,000 has been received from ASCIT and $2000 more has been requested for a Project headquarters. Many different sources of funds are being presently considered.

into the Incinrator
by Jim Cooper

Fresh Edward H. Harrelmaker, of the Mythological Institute of Thocracy trotted up to an upperclassman who was busily trotting up a piece of wood with a saw. “Hey, what are you doing?” asked Harrelmaker.

“Boy, you sure are a dumb josh. Don’t you even know what next Saturday night is?”

“I’ve heard something about it, but I would appreciate it if you would explain exactly what it’s all about.”

“Well, if you really want to know, next Saturday night is the night of Intercourse. All the departments here at Thoeb build departmental displays to tell people both from here on campus and also visitors exactly what we are doing here.”

“That sounds pretty good to me. What any some of the departments doing?”

“The Paleontology Department is putting together a living diorama of the prehistoric world, for example. They are even including a time-machine in their display. The lab technicians are trying out their project and the people in it in the time disappeared and have not been seen since. Also, they have your project tried out to clean up after a dinosaur!”

“Well, I believe I ever have. How about some of the other departmental projects?”

“The departments of Myths, Children’s stories, and English are members of a project and making a large display featuring trolls, dwarfs, gnomes, and evil rogues in their natural habitat of hot, humid, underground caverns.”

“That sounds great! Do you have any special name for their project?”

Blood and Guts

“Yes, as a matter of fact, they do. They’re calling their display ‘D and G.’ But other departments have good names too. For instance, the Political Science Department is doing a project featuring a study of the workings of monarchy. It will have a castle complete with a dungeon.

They’re calling the castle ‘The White House,’ and they’re calling the dungeon ‘The Vice-Presidency under L.J.’

“The Oriental Cultures Department is doing a unique project featuring people who have failed to meet the standards of their culture in one of their natural habitats, which in reality are lost and unknown to most people, and may as well be a jungle. The scene shows a group of college students in a bar in Salinas.

“The Office Department will have several lighting displays in which objects are seemingly distorted and colored purely by the lighting used. That display is called ‘Shedding Light Using Reliable Sources.’

“The Geography Department is getting into the swim of things by preparing a large area of the campus for the FB field. They will be demonstrating the application of field mechanics and hydraulics and we will be calling it the ‘Muscle.’ It will probably be one of the largest and eye-catching of the exhibits if certain members of the department have enough motivation into it.”


“Yes, they have a project, but I didn’t mention it because it is so absurd.”

“Well, what is it?”

“Well, they’re doing is studying a fictional situation in which several hundred men are largely isolated from a normal environment and placed in confinement. guy, you should hear about the nervous, psychos, and anxieties they create.”

“What are they calling their display?”

“It is some wierd mania, I think the name they are using is Cal-Tech.”

...where imagination is the essential qualification
Governor's Address Praises New Caltech Direction

Editor's Note: The following statements are excerpts from the speech delivered by Governor Ronald Reagan in giving the keynote address at the dinner sponsored by the Board of Trustees of California Institute of Technology. The annual event, held at the Ambassador Hotel in Los Angeles, raises several million dollars for the technological institution.

Some time ago, I was privileged to have a peek at Caltech's plans for the future. I found it exciting — exciting enough to make it a personal commitment to myself, to my wife and to the people of this great state, as to win unity and technology from the origins and composition of the human species.

I have some thoughts about the most technological state in the Union, who properly should from time to time take stock of this great state’s resources — and the California Institute of Technology is a unique resource, one of California's most valuable — .

Tonight, without the pressure of a deadline to meet or emergency issues to be resolved, I should like to talk about some thoughts about the importance of higher education and of science and technology, about the matching to technical change of appropriate curricular development and maturity, about the using of advancing science and technology to the fullest, achieving the promises that are so well and with such style, and so far beyond the reach of any planning that has been very strongly on my mind about the interaction of advancing science and technology with every part of our world. Now, this adds something else as well: science and technology represent together a fundamental attack on the destruction of the individual, his independence, his creativity, his freedom. And I should like to comment on the role, as I see it, of university and college, and its relation to the growing influence of government on all aspects of our lives, including science and technology. .

The essence of life is, I think, the using of advancing science and technology to the fullest, building the promise that is so well and with such style, and so far beyond the reach of any planning that has been very strongly on my mind about the interaction of advancing science and technology with the destruction of the individual, his independence, his creativity, his freedom.

And I should like to call attention to the role, as I see it, of the private university and college, and its relation to the growing influence of government on all aspects of our lives, including science and technology.

Get your bumblebee degree

Enroll in one of three exciting classes. Charger R/T, Coronet R/T, or Dart GTSport. Each has its own distinctive sporty style, but all three have a lot in common — like automatic transmissions, wide-tread redline tires, special handling packages, and a long list of other standard and optional features.

Dodge Charger R/T

To help you make the grade, the standard engines for the Scat Pack include a 340-cu.-in. V8 for the Dart GTSport, a 440 Magnum V8 for the Charger R/T, and a 426 Hemi. Or for a more accelerated course, you can order the optional 426 Hemi.

Dodge Dart GTSport

All three members of the Scat Pack offer distinctive sporty styling, with the authentic "bumblebee" design on the authentic "Dodge Red" color — with the distinctive "bumblebee" design on the authentic "Dodge Red" color.

To add some color to campus, get your official Dodge Scat Pack Jacket in the official "Dodge Red" color — with the authentic embroi-
Reagan: “...Do We Have Intelligent Life on Earth?...”

(Continued from page 6)

Very little is known about this miraculous instrument, but surely something useful can be learned if it is studied at the level of molecular biology, as you plan to do. And because the workings of the brain and the workings of a complex computer offer some potential similarities and interesting contrasts, I understand that Caltech has biological and engineering closely allied in this endeavor. Their goal is no less than a practical understanding of the mechanisms of thought, memory, consciousness, and emotion—and thus an understanding of the behavior of the human animal.

Social scientists too, and alongside this effort, you are bringing in the social scientists, the men and women who will also try to create a better balance between scientific and social progress by studying the behavior of man as it has been—and is—for whatever reasons internal to the brains and nerves of the man. I cannot applaud too heartily Caltech’s concentration on the importance of man as an individual as seen by these plans, by your symposium, by the interests of your faculty members.

Now, Caltech, in many ways, is unique. But it shares with other institutions of higher learning and research, whether state-sponsored or privately-supported, the need for large funds. And here there are problems, several different kinds of problems, facing all institutions of higher learning. To begin, with higher education has to be looked upon as an investment. Both basic research and higher education, properly conceived and directed, benefit the whole society. Some of the benefits take years for realization and even for evaluation. . . .

The tuition problem

There is also the problem of getting objective thinking for broadening the base for acquisition of funds—such as adding tuition in the state’s universities and colleges (accompanied, I always add, by an enhanced program of loans and scholarships for the lower income but deserving students)—or allowing an income tax deduction for certain college expenses. In fact, I think you may have observed that if one suggests tuition as a means of increasing available funds for higher education he may even be accused of being against higher education—the very process he is trying to finance. . . .

I sympathize with students when they resent becoming a part of a political administration, and I believe there is something even worse, that is, direction, decision-making, and control of research and teaching coming not from the individually brilliant, independent minds, but out of a huge, centralized government bureaucracy. I do not mean that the colleges so controlled are likely to be victims of a plot. I assure you that I am not talking about Democrats or Republicans. But I am talking about politics in the sense that a political administration cannot generate bureaucracy—and any bureaucracy can be a threat to honest inquiry, and honest inquiry is the heart and soul of scientific research. The federal government now spends about $1 billion a year on college campuses, and half of this goes for government-sponsored research. I wish I could say that I can evaluate all aspects of this outlay. I have no doubt that much can be justified. But I think all of us should ponder the cause and impact upon the many private colleges and universities whose backs are now financially in the wall. They will crave this kind of support. Very likely, they will seek it. If a political administration accepts it and still hold on to their independence, in a few years, as an increasing number of them will do, the problem will be. A previous few, such as Caltech, may be able to do it independently and thus, although Caltech today gets a substantial fraction of its operating funds from the federal budget, the federal part is for extraordinarily services rendered. It is not really money that Caltech today depends upon to pursue its very special, independent goals. But it is money, and, considering the universities are not mean even the most staunch and dedicated seats of learning, it is not going to be disposed of lightly rejected. . . .

Nor does the support of the private universities by the private sector imply any less support for the important state-supported universities and colleges. I am a devout believer in the benefits of competition, even in higher education. In California, where we have both high grade state institutions and private ones, strong support for both will work to the advantage of the quality in both. The alternative of a single, state-controlled system without the side-by-side, independent ideals of the private schools would be far inferior. In the end, it would mean less total interest in, backing of, and performance by the state’s institutions. The other extreme, to work for a predominantly private system, failing to plan for a continued strong state-supported operation in California, would be equally unthinkable.

Maybe you have that fear, too. In any case, I hope you will think hard about what Caltech and the other private colleges and universities are undertaking these days for the good of the community at large. It is a tremendous order. Few institutions would dare take on Caltech’s plan for the future. Fewer could offer any promise of succeeding. But Caltech is by every standard extraordinary in its record and promise. It is not only that it is money and, considering the universities are not mean even the most staunch and dedicated seats of learning, it is not going to be disposed of lightly rejected. . . .

How would you fit into Du Pont’s Project X?

You are the only person who can answer that question.

To do it, you should know as much as possible about the 150 new plant units Du Pont has built since the end of World War II. You’d then choose from one of the many lively fields of interest at Du Pont: design, construction, production, marketing, research. You go into responsible work right away. You are treated as a real problem and by opportunities to continue your academic studies under a tuition refund program. You work in small groups where individual contributions are quickly noted and appreciated. The work is significant, and of benefit to society.

Finally, what is Project X? We don’t know yet. Could we be waiting for you to tell us?
Caltech's Only Undefeated Team Plays Here Saturday

by Anderson

How does this sound? A Tech football team that this term has beaten San Fernando Valley State, Biola, Cal State L.A., U.C. Santa Barbara, that tied U.C.L.A., at Tournament Park, then went to Westwood the next week and beat them! Whose record now is 6-0, and has played together over the summer. They have a high-scoring forward line with 19 goals in seven games. Gameheading this are Willi Behrens and Yilmaz Sahinkaya while the wingers Armand Postma and George Bubbon have been persistently penetrating and regular scorers.

The defense has been based on long-time Techers Dick Wade, Mick Morrell and John Davies, with halfbacks Mick Delany and Peter Milton linking with Edgar Anderson of the forward line. Other regulars are Coach Ron Kehoe, late-vacationing Dave Hunt, Jimmy Cotto, Lew Wheeler and Hans Muller.

Highlights of the season are the two games with U.C.L.A. Here, after leading twice, Tech fell behind 3-2, but came back strongly to tie. At Westwood, the attack was brilliant in the first half, taking a 4-1 lead, and Tech finally won 5-4 after a second-half equalizer. The squad plays Chapman on Saturday, at Tournament Park, at 10:30 am, then on December

Page Wins 7-0

Page continued its efforts to regain the Blooebush Trophy last Sunday with a 70 victory over Loyola House in a 6-point victory. The Page team played a fine defensive game while Phil Morgan led in the batting department by clouting a home run.

Fleming has challenged Page in soccer, wrestling; and pool and billiards; the match will be played this Sunday.

Page is rapidly catching the Dabneys in the Trophy point race with six points to Dabney's thirteen. The rest of the Harveys are all tied for third place with one point apiece.

Water Polo

Caltech's tankmen played one of their best games of the season against one of their best opponents, league leading and undefeated in league competition, Pomona. Unfortunately, the result was the usual inability to score more than their opponents and a 4 to 2 defeat at the hands of the sagacious, Norm Whiteley and Henry DeWitt contributed to two Tech goals, both on penalty shots. One bright spot was the few fouls incurred by the Techers so as to not give Pomona any penalty shots. Saturday, Rio Hondo came and trounced Tech by being much more alert and picking off passes frequently to finally with 11 to 3. This bat takes them over the season at the Alumni pool against perennial rival Oxy.

2nd, U.C.L.A. once more at Westwood for the Miller Trophy, perhaps the only annual trophy that Caltech currently holds.

There's talk too, of a 'Hate' game with the varsity soccer squad. Their biggest loss is 0-7 to two Tech goals, both on penalty shots. One bright spot was the few fouls incurred by the Techers so as to not give Pomona any penalty shots. Saturday, Rio Hondo came and trounced Tech by being much more alert and picking off passes frequently to finally with 11 to 3. This bat takes them over the season at the Alumni pool against perennial rival Oxy.

3rd, U.C.L.A. once more at Westwood for the Miller Trophy, perhaps the only annual trophy that Caltech currently holds.

This "patch"

Budweiser identifies the world's best beer drinkers!

ANHEUSER-BUSCH, INC. • ST. LOUIS
CIT Distance Men Nip Pasadena Team for Second Victory

by Schneringer

Little children make obscene gestures and throw rocks at them, playful two-hundred pound German shepherds take healthy bites out of their legs, and yet old ladies try to run over them in their fuel injected Continentals, but the Tech cross-country team plods on ever onward, and occasionally it even wins.

Like Tuesday, when Tech pulled out a 28-29 victory over arch-rival Pasadena College. It was only Pasadena's second defeat of the season, and although their best runner couldn't make it to the meet, there is little doubt in the minds of our team that we would have won anyway, now that the meet is over.

Once again our freshmen led the way. Tardiff took second on the three mile course in 16:30, missing Lane Mason's school record by only a minute and a half, and fellow frosh Leifsdotter took third, fighting off the finishing kick of an ambitious Pasadena runner for his place.

Martin Smith was sixth, Schneringer was eighth, followed by Jackson, Thompson, Hermeyer, Johnson, Stoecker, and Pasadena's fifth man, respectively. Thus it was Tech's famous depth that won the meet.

This was our second victory, which puts the team one up on last year's group of Cross, Mason, and friends. The conference meet is Saturday, and if Mason can be coaxed out of retirement for one last effort, the team may do reasonably well (i.e., finish out of the cellar).

Undergraduate Soccer Team Loses

(Continued from page 1)

by Engelmann

The soccer team started acting like the football team and watched the game go by rather than play in this game, and was unable to keep the ball anywhere near Whitworth's side of the field.

The Tech team was able to get near enough to the Whitworth goal to shoot only five times, while one player on the Whitworth team scored five goals against Tech. The scoring went: three goals in the first quarter, one in the third, and three in the fourth.

On Saturday, November 11, the UCLA soccer team came to Tech and walked away with an easy 7-0 victory. The Beavers, after the first quarter, settled down and pretended to be spectators. That and UCLA's very strong team combined to make the game a bad one for Tech. CIT played cleaner than UCLA, but had fewer shots at the opponent's goal. UCLA dominated every quarter, scoring one in the first and twice in each of the remaining quarters. The ease with which UCLA beat Tech was unexpected, since last year's game was fairly close.

Tech has three remaining games. On tomorrow the Beavers meet Fresno Pacific on the Tech home field and on the 18th they travel to Pomona. The last game of the season will be on Wednesday, November 22nd, with the Caltech Open team.

Mudeo

You're looking at the year's sweetest place for a sit-in-Olds 4-4-2.

And what glows beneath that rakish alfresco?

Two overhead fender exhausts that give voice to a 400-cube, 4-barrel, 350-hp Rocket V-8. Look where you live in foam-padded, bucket-seat comfort.

The center console is also available, as is the clock, tech engine gauge, and with all the new GM safety features, including anti-theft.
Policy Criticized

(Continued from page 3) dollars that would be received by each person cannot do as much good as the lump sum given to ANCCP.

The topic of the bookstore was brought up at a meeting of the Faculty Coed Proposal. Undergraduate Student Relations (FCUSR) and its student members on November 9. It was suggested by several that the Caltech bookstore be operated as a cooperative, as is done at UCLA, Harvard, Yale, Princeton, and other leading schools. Under such a system, students who patronize the bookstore receive either discounts at time of purchase or else bonuses at the end of the year, based on the amount of goods bought.

Dr. Daniel Kevles suggested at the FCUSR meeting that a coop plan be studied. Many people feel that the faculty is more able to afford books than students. If discounts were offered, more students would buy more books and thus gain a broader educational background. Kevles pointed out that the main issue was whether the bookstore should be just a business or else part of Caltech's educational program. He said that the bookstore should stock magazines not easily available elsewhere, and that perhaps students could have charge accounts at the bookstore. After some discussion, Dr. Robert Woodbury, FCUSR chairman, appointed a subcommittee to investigate some of the possibilities.

Jacobson was asked about some of the proposals. He said that the bookstore is doing a good job now and that any changes could be made only after careful study. There is the basic question of whether or not the bookstore should carry its own weight. Fiscal policy at Caltech affects every operation. One must look at the question from both sides, remembering that a change might hurt more than help. He pointed out that there are many departments of the university that have to rent space or buy equipment. Jacobson concluded that the bookstore should be the responsibility of the students and the faculty. Jacobson maintained that the Bookstore was always willing to accept suggestions from students for books to be stocked; if there is a sufficient market the books will be ordered. Still, the issue is controversial. The question remains whether or not the Bookstore should pay for itself. Perhaps more time can be taken to pay off the mortgage, then student discounts would be possible.

New Element

A. L. Lavosler, visiting associate in chemistry, from France, announced a radical new discovery Monday. After metering the combustion of wood, Lavosler announced that he had found a new element of combustion. He calls this element phlogiston, and declared that the rate of any combustion is dp/dt.

Footballers Still Trying

(Continued from Page 8) from center. Again the Lions capitalized on a few plays later, and they led 20-6.

That's the way it ended as the Beavers moved the ball down to Loyola's fifteen, but time ran out.

Tomorrow the Claremont-Harvey Mudd Stags visit the Beavers for their annual grudge match in a game at the Caltech Athletic Field at 2:00 p.m.

Faculty Coed Proposal

(Continued from page 4) women and the changes in the fresh man requirements would be made by the faculty and the trustees. This is why the faculty on these issues should be made on November 27, the date of the next faculty meeting. Then the trustees would have to act on the question of admission of women at a meeting after the faculty meeting. This assumes that the faculty does approve the Board's recommendation on this question. Only then would the decision be final.

As a reason for the present policy of 10 percent faculty discounts is that faculty members must continually buy and read new books for research and for planning their classes. This reporter pointed out that many faculty purchases are paid for by grants and fellowships, and the faculty can still get discounts on purchases for personal use, but students are just as much required to buy books as the faculty. Jacobson answered by saying that if discounts were extended to undergraduates it would only be fair if grad students and employees were included. He said that there is just enough money; the Bookstore cannot be separated out from the rest of the Institute's structure.

Jacobson maintained that the Bookstore was always willing to accept suggestions from students for books to be stocked; if there is a sufficient market the books will be ordered. Still, the issue is controversial. The question remains whether or not the Bookstore should pay for itself. Perhaps more time can be taken to pay off the mortgage, then student discounts would be possible.

How to interview 130 companies in half an hour.

Talk to the man from General Electric. He represents 300 separate GE 'companies' that deal in everything from semiconductors to electric toothbrushes. We call them product departments. Each one is autonomous with its own management and business objectives. By applying for a job at General Electric offers the kind of immediate responsibility you might expect only in a small business. Right from the start you get a chance to demonstrate your initiative and individual capabilities. And the faster you move ahead. As you do, you'll find that you don't necessarily have to spend a lifetime working on the same job in the same place. We have operations all over the world. Chances are you'll get to try your hand at more than one of them. Our viewer will be on campus soon. If you're wondering whether it's possible to find challenging work in big business, please arrange to see him. He speaks for 130 companies.