

IHC President Resigns

MUN Sends Call for Delegates

The Model United Nations Continuations Committee at Tech has set the plans for picking this year's delegation to MUN. Representing South Africa, the MUNers-to-be will participate in a four-day session at San Diego State College, discussing the major problems of world politics. Because South Africa is considered a "good country" for MUN purposes since it is involved in so many important conflicts, and because San Diego is so close, the delegation will be the biggest in recent years.

Applications for a position on the delegation will be accepted until Friday, October 6. The delegation will be picked within a few weeks after the applications are received. Delegates will be picked on the bases of interest in Model UN, experiences in similar activities, and knowledge of United Nations problems and procedure. In most cases the applicant will be interviewed. Applications will be accepted by any member of the Continuations Committee (Bob Koh, Roger Noll, Francis Wilson, Lance Taylor) or may be written and placed in the "N" box in Page House.

Model United Nations is one of the most interesting and educational of all intercollegiate activities. First of all, it is lots of fun to dabble in power politics, and meet some of the sharpest people from schools all over the West.

More importantly, MUN pre-

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Y To Present MacColl, Seeger

Ewan MacColl and Peggy Seeger, a popular folk duo, will sing in a concert at Caltech on October 19th. The event, sponsored by the YMCA, is to be held on campus; tickets will cost about one dollar.

The duo, which specializes in contemporary folk song, was highly praised by the New York Times after its debut in New York. It makes only one tour a year, encompassing both colleges and public auditoriums at the same time. It has been well-received on every one of its previous tours.

Ewan MacColl, who has been called England's greatest folksinger, was born in Scotland and gained much of his extensive repertoire of Scottish folk songs and ballads from his Scot father and Gaelic-speaking mother.

Peggy Seeger, whose father is a member of the University of California music department, was also raised in a folksing atmosphere, where she developed her skill, both in singing and on the banjo, to a high degree. Her brother is Pete Seeger, one of the biggest names in folk singing today.

MacColl, a lively, controversial character, has also written several plays. He and Peggy Seeger have previously appeared on British and American TV, and have taken part in music festivals from Newport to Stanford University.

The two singers range from the old Scottish ballads of centuries ago to British songs of recent vintage, such as "Ballad of Spring Hill" and "Tim Evans."

People are needed to help with the publicity for this concert. Anyone interested should contact Janet Chaitkin during office hours at the YMCA.

Tech ACLU Plans Speech By Lawyer

Caltech's chapter of the American Civil Liberties Union will meet Thursday, September 28, 8 p.m. in 151 Sloan. The speaker will be attorney Lloyd Smith, president of the Southern California branch. He will lead a discussion of court cases in which the ACLU is participating at the present time. Persons interested in ACLU but unfamiliar with its activities are especially welcome.

Notices

QST SENT BY HAM CLUB

The Caltech Amateur Radio Club, W6UE, is holding its first meeting at 7:30 p.m. this evening in Dabney Hall. Check your bulletin board for exact place. All old members and all people interested in amateur radio are urged to attend.

Y COMMITTEE TO MEET

The Religious Emphasis Commission of the Caltech YMCA will have an organizational meeting tomorrow at noon in Chandler Dining Hall. Anyone interested in the work of the Commission, which includes sponsoring the visits of prominent theologians to the campus, should plan to attend or get in touch with Paul Purdom in Mosher-Jorgenson Graduate House.

Y OFFICE RACE OPENS

Persons interested in running for publicity manager of the Caltech YMCA should leave their names with Janet Chaitkin in the Y office by Monday, October 2. Elections will follow soon afterwards.

Y PLANNING RETREAT

Members of the YMCA will be evaluating this year's YMCA program on the weekend of October 5 to 7 at a private residence on Emerald Bay. Members interested in relaxing and working on needed plans should inquire at the Y office for more details.

Bright Frosh Win Honors

Professor L. W. Jones, Dean of Admissions, announced recently that twelve Caltech frosh have been accorded Honors at Entrance on the basis of their high standing on the entrance examinations. Three of them are residents of California. They are Richard Charles Essenberg, Sacramento; Charles H. Holland, Jr., Arcadia; and DeWitt Allen Payne, Santa Ana. From other states come Ivars Ambats, Michigan; Randall Curtis Cassada, Jr., Texas; Roger Carl Davisson, Colorado; Jon Kenner Evans, Hawaii; Kenneth Steven Kauffman, Mexico; Thomas Antone Pucik, Oregon; Rodger Fairfax Whitlock, Maryland; Larry Dawson Wittie, Texas; and William Robin Zame, Florida.

Playbox Sets New Season

The Pasadena Playhouse's "Playbox" offers an outstanding program of unusual theatre. It has already become nationally well-known as starting a new trend of theatre production known as Theatre-in-the-Round.

This year's program is scheduled to begin October 27. The plays to be presented have not yet been announced, but one Chekhov comedy will definitely be presented. Tom Brown will be the director of the series.

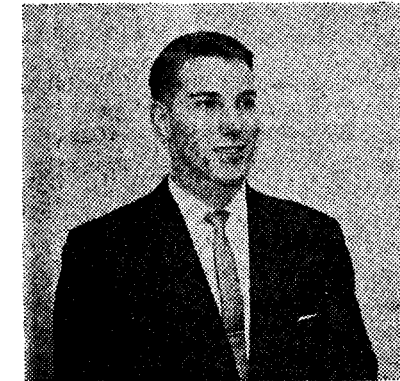
Student memberships are now being offered for \$2.50 for five plays. These students interested should call Mrs. James H. Howard at SY 3-4443 for further information.

Hogan Resigns; Labels Group As Ineffective

Sunday night, Bill Hogan, IHC President, handed a statement of resignation to the California Tech. That statement is reprinted below.

—Editors.

Here at Tech, as is quite natural, students seem to want leaders who "get things done" with the least possible noise and to the best advantage of the student. I have, in experiences previous to Tech, practiced this type of leadership with some success. I have, ever since then, been a student of



Bill Hogan, who resigned this week as IHC President.

leadership techniques and personal interactions. I have now certain ideas about leadership which are not entirely my own, but neither are they entirely conventional (especially here at Tech). The seed of these ideas was sown at the Leadership Lab that I attended in 1960 and since then they have been rehearsed many times with students and other people in and apart from Tech. These concepts prevent me from being the conventional picture of the dynamic leader who "gets things done."

Last year, when the time for student body elections came around, I was persuaded to run for office. I had, during the previous year, met with only a moderate amount of success with the ideas in my own House and I had decided, (after a somewhat bad start on the year academically) that I could not devote the time and effort necessary to both my academic life and to implementing the ideas I had in mind. I decided, however, for various reasons, that I would accept the nomination and try one last time.

After, admittedly, a very short time, I found that I had made a mistake. The leadership weekend was given the cold shoulder. We had attempted too much in one weekend. Attempts to establish an unstifled atmosphere in the IHC failed. There wasn't enough time to devote the hours I wanted to the development of the leadership ideas in myself, let alone persuading others of their merits and discussing their demerits. I had hoped only for a reasonable length of time for a trial period. The Caltech YMCA was willing to help make the trial and the Alumni Assn.

(Continued on Page 2)

DON'T YOU BELIEVE IT

Frosh, Seniors Unfold Tales Of Camp



Folksingers warm up voices and instruments in preparation for Student Camp talent show. —photo by Bob Levin

BY LANCE TAYLOR, '62

Caltech welcomed just short of 200 new students last week with the traditional New Student Camp. Results of the camp, to put it mildly, were baffling for almost everybody concerned.

For the freshmen to be baffled, of course, is normal — they always are. What with speeches by assorted Deans, more faculty members, and President DuBridge, and discussion groups added to all this, it is no wonder the poor new students are confused. Somebody was always pointing out that each Techperson has his own view of the place. Any frosh could well say "Amen" to this.

On the other hand, for the cynical upperclassmen to be bewildered is something else again. Usually, you can generalize very easily about the frosh, saying they are all cocky little

(Continued on page 3)

BY JAY LIPPMAN, '65

We left for frosh camp as a cold drizzle was falling. The trip through the smoggy mountains was stuffy and uncomfortable. But when we got to Camp Radford the enthusiasm of the group became apparent as the 181 freshmen and the transfer students began learning the traditions and atmosphere of Caltech.

Practically every minute of our time was taken up in the many activities of camp. There were the usual games of volleyball, football, and mountain golf. The upperclassmen won the softball game against the frosh, 12-10; but they had more than the regulation number of men on their team, namely the umpires and a bell ringer who cut the game short by ringing the lunch bell early.

The talent show was quite unusual, with a member of the

(Continued on page 3)

Editorial

Resignation

Bill Hogan's resignation as IHC President came as a shock. I had assumed that the difficulties which Hogan was having with the IHC were no different than those which any previous president had had. I still don't think I was mistaken. But Hogan has made a valid point: that there is no use wasting time by working with what he considered to be a hostile committee—hostile to him and hostile to itself—when there was apparently no hope for progress. He was willing to spend time working out the problems of the IHC, but he refused to waste valuable time on a thankless and worthless crusade.

Some people will dismiss the incident by claiming that Hogan is a "quitter" or "hopeless idealist." Maybe so. After all, many people before him have struggled through terms of office that were probably as harrowing. But Hogan says it isn't worth it.

The issue here isn't who Hogan's successor will be. He was competent and no doubt the next IHC President will be too. But the IHC as it now exists has been seriously charged with ineffectiveness and a negative attitude towards ironing out disagreements between House factions. This would be an excellent time for the committee to decide whether it's willing to make an extra effort to function as a committee representing the group of Student Houses or the Houses as separate groups.

—abell

Grad Lambasts Tech Education

Larry McCombs, former Tech feature writer, graduated with honors from Caltech last June. He is currently working for his Master's degree at Yale. — Editors.

BY LARRY MCCOMBS

Four years ago my class listened to the usual brace of pep talks and warnings at Frosh Camp. They told us to take a good look at the men sitting on each side of us, because if we graduated, one of those two other men wouldn't. That prediction more than came true—the class of 1961 had one of the highest flunk-out/drop-out records in the history of the Institute. They also told us that we would be studying for the next four years at one of the most progressive and challenging schools in the country. I don't think that that statement did come true.

In this article I would like to explain why I think Caltech has failed in achieving the objectives at which it ostensibly aims, and in next week's paper I intend to analyze some of the faults of the Student House organization.

Bound by Red Tape

Caltech prides itself on its small student/faculty ratio and claims that it is attempting to train men who will take new and ingenious approaches to problems, not merely look up the answers in the handbooks. Instead I found Caltech to be bound by tradition and red tape to an extent that nullifies practically all of the advantages of the small student/faculty ratio. With so few students to each professor, we should be able to offer small seminar classes in which students and professors could exchange views freely. We should be able to offer individual guidance and counseling from men expert in their field. We should be able to offer a program adapted and adjusted to the individual needs and abilities of the students.

That is not the case. The average student at Tech is allowed to choose less than half of his courses to fit his own needs. He sees his advisor on registration day each term and seldom else. He spends most of his class time sitting in a room with

20 other students, listening to a lecture.

Beer and Pretzels

Looking back on my four years at Tech, I remember as my best classes those "beer and pretzel" courses in which students and professors met in the informal atmosphere of the professor's home and exchanged opinions and questions without the restraint of a formal classroom set-up or a rigid course schedule. I received more helpful guidance and counseling in a five-week summer field course than I had in four years of brief contact with my official advisor.

I challenge you to stop and count how many faculty members you know well enough to consider as personal friends. Unless you're a very unusual Techman, it won't take both hands.

Whd's to Blame?

The responsibility for changing this situation rests upon two groups. First, it is the responsibility of the faculty to drop in more often on the Student Houses. The Houses are always open to them—no formal invitation is necessary. Such an invitation prevents the informal atmosphere which is needed. I would urge professors to drop in occasionally on one of the House lounges. There will be someone there who will be interested in talking with you—and your presence will not be resented as an intrusion.

Secondly, individual students should take the initiative in inviting their professors to drop in for informal evening gab sessions. When the House officers must make the invitation, they feel obligated to make the faculty member a guest of the whole House and this leads to another lecture-room situation. I would suggest that the houses do their best to initiate a tradition that each House member should bring his advisor to dinner one evening each term—this would both increase student-faculty contact and bring a bit more of a personal relationship into the counseling situation.

Suggestions to Faculty

From here on out, however,

(Continued on page 3)

Hogan

(Continued from page 1)

was willing to support it financially, but it lacked enough student support. Due to this constant uphill struggle, I was also not able to devote the time I desired to my academic and personal life. I have, therefore, decided to resign from the office of President of the Inter-House Committee.

Thank you for giving me the opportunity to hold an office here. I can only say that I'm sorry that I would not be the type of leader that most of you wanted and could not be the type that I felt I should. Maybe my successor will be willing to accept things as they are.

—Bill Hogan

New Prof For Pl6

Dr. Franklin Fearing, a retired UCLA professor of psychology, will take the late Hunter Mead's position in the P1 6a class this term.

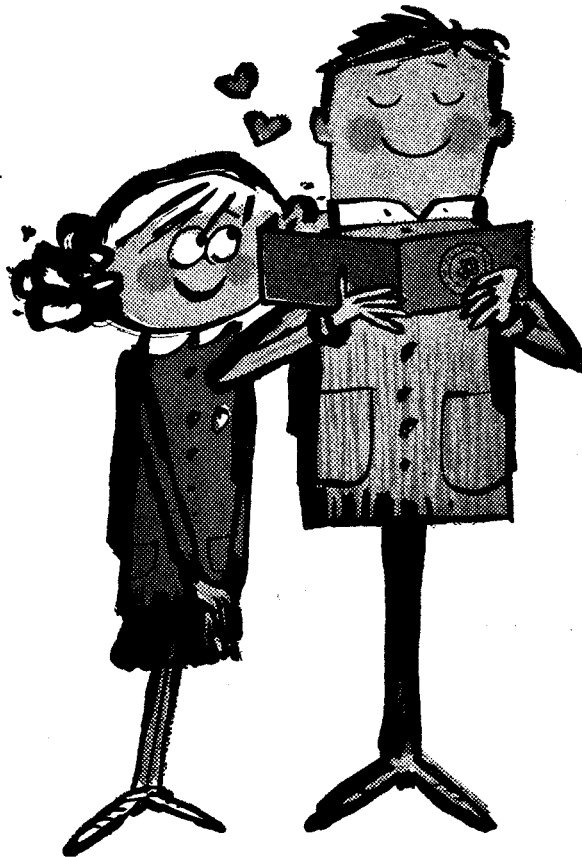
Two changes have been made in the P1 6 courses this year. Dr. Bures' P1 6b will meet third term, and Dr. Weir's P1 6c will meet during the second.

LITTLE MAN ON CAMPUS

by Dick Bibler



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a hand of BRIDGE

BY BILL TIVOL
NORTH

S — A Q 3
H — J 8
D — Q 10 8 7 6 4 3
C — 2

WEST

S — 9 6 5
H — 10 5 4 3
D — K 5
C — 8 7 6 5

EAST

S — 10 8 7 4
H — K 9
D — A J 9
C — A 9 4 3

SOUTH

S — K J 2
H — A Q 7 6 2
D — 2
C — K Q J 10

Bidding, especially in duplicate tournaments, usually tends to reach the most valuable contract which has a chance of making. Since this contract is usually three no trump, the next few weeks will be devoted to the play and defense of no trump contracts.

The hand shown here involves timing and entry problems, the hardest point to master in no trump. Counting board entries, it can be seen that unless the jack of diamonds is on side doubleton, the diamond suit cannot be set up without the loss of five tricks, total. Therefore, the declarer should assume that the opponents will not lead diamonds, and he should try to get nine tricks from the other three suits. There are three club tricks and three spade tricks, so the problem is to get three tricks in hearts. Declarer can afford the loss of one, but not two hearts. The proper play is the open-end finesse for the king of hearts, which has a 50% chance, and which wins if the hearts are three-three.

The second problem is what to do with the first spade lead. Hand entries are needed, but if the opening lead is taken on the board — supposedly preserving hand entries — a club is led, the ace is taken, and a spade returned. The small heart is led from the hand. Here East takes the king and leads a spade to the hand. Declarer can now lead low to the jack of hearts, locking himself on the board, so he can depend on the three-three heart split.

Declarer must win the spade lead in the hand with the jack, then lead the low heart. Now the king of hearts is taken by East, and the spade return can be taken by the board's ace. The lead of the jack of hearts, then the low club, cinches the contract.

Camp: Senior

(Continued from page 1)

bastards or something similar, but this year such verbal sleight-of-hand was impossible.

What sets this year's frosh class apart from most of its immediate predecessors is hard to describe. For one thing, they seem to be a remarkably grim and humorless bunch. For another, they seem to be frighteningly dedicated. DuBridge's speech about the frontiers of science always snowed about 90% of the frosh in previous years — this year, it took care of about 95%.

Maybe this humorlessness and dedication reflects some new and recondite policy on the part of the admissions committee, maybe it only reflects the opinion of assorted upperclass counselors of the playboy type. It is hard to say which, if either, is the case.

So, anyway, camp is over, frosh are here, and who gave the speeches up there is so much boring history. As usual, nothing definite else has emerged from Camp Radford, except vague impressions about Tech that are incredibly hard to put on paper. If one could generalize, which one can't — safely — one would say that probably this year's frosh will mess around less and study more than their predecessors.

Is this Good or Bad? Who can say?

Camp: Freshman

(Continued from page 1)

audience getting a bigger laugh than any of the performers. From my biased position the highlights of the show were the 25-piece frosh band, the upperclassmen's skit, and the jungle yell.

We talked about the activities at Tech in our discussion groups and heard a talk by Professor Sharp on activities. We also heard speeches by Dean Gerber, vice-president of ASCIT, and Professor Corcoran on the honor system and its spirit as a personal code of ethics. The importance and realness of this tradition at Caltech were strikingly evident.

Our introduction to Caltech was completed with the discussion and description of academic life. Dean Jones gave a stirring historical sketch of the Institute and the creative spirit that pervades it. Dr. DuBridge told us of the research activities and the enthusiasm and satisfaction of learning and doing research. But we were warned of staleness and frustration by Professor Elliot. Dean Strong summed everything up when he spoke of all the experiences at Caltech as maturing us and proving our worth as men. The general atmosphere created by these talks was one of excitement and anticipation.

Frosh camp was a unique way of introducing us to the rigorous four years ahead of us — for the four out of seven who'll make it through four years. It's going to take more than our enthusiasm to get us through; it's going to take hard work. But as Dr. Clark said, "nil illegitimes carborundum."



BY JOHN BERRY

After a year of putting theory to practice, Ye Olde Barfly is back in business at the same olde stand. In order not to make too abrupt a break with recent tradition, I will give the recipe for one completely im-potable drink.

THE KUBLA KHAN NO. 2

1½ oz. Calvados (apple brandy)
1½ oz. Gin
1½ oz. Creme de Menthe
20 drops laudanum (opium dissolved in grain alcohol)
1 heaping tsp. cantharides (ask anyone who's read Madame Bovary)

We have a testimonial from a woman who went to a party where this was served. She reports that after two, her escort ripped off all his clothes and ran wildly down the street, propositioning everyone he met without regard for age or sex.

The above is the only drink which will appear in Barfly which I have not sampled — with un-anesthetized taste-buds.

One evening when I was trying to drink up my Creme de Cassis, which I'd decided I did not like, I ran out of Vermouth for my Vermouth Cassis. I substituted Saki for Vermouth and invented an excellent drink.

THE SAKI CASSIS

2 oz. Saki
1 oz. Creme de Cassis
Shake well with ice and serve in a cocktail glass.

In order to test this drink as a first drink (I have been much disappointed in drinks invented late in an evening), I had to buy another bottle of Cassis. Which shows you can't win.

Model UN

(Continued from page 1)

sents an opportunity to learn at first hand the strengths and weaknesses of United Nations operations. By participating in committee, bloc, and General Assembly meetings, a delegate learns the United Nations procedures and politics.

Although topics for discussion have not yet been established, it is easy to predict some of the major ones. Each year the questions of Algerian independence, apartheid policies of South Africa, independence of Southwest Africa, disarmament, nuclear weapons control, exploration of space, foreign aid through multilateral bodies, and refugees of the Middle East are among those placed on the agenda. The problems of United Nations reorganization, brought to a head by Dag Hammarskjöld's death, and central African political organization, especially, the Congo, will gain increasing importance this year.

This year's delegation will have room for several people whose talents do not include the ability to argue South African opinion before a committee or the General Assembly. The delegation will need people for research into UN records, for writing resolutions, and for correspondence with other schools. More than ever before, MUN will be an educational rather than forensic activity, due mainly to the fact that Caltech will represent an important country, one that will require the delegates to do plenty of study before they are prepared to represent her adequately.

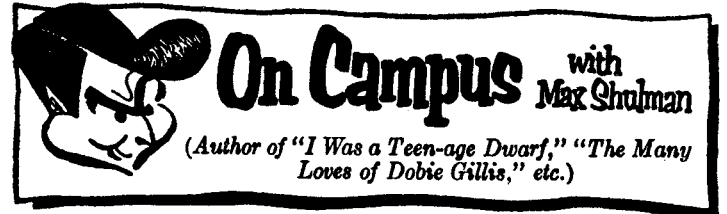
Sharp Talks To Y Frosh Diners' Club

Chandler Dining Hall will host the first meeting of the Freshman Diners' Club on Tuesday, October 3, at 6:30 p.m. The speaker for the evening will be Dr. Robert Sharp, Chairman of the Department of Geological Sciences, who will speak on geology at Caltech.

The Freshman Diners' Club is a YMCA affiliate which presents prominent figures on campus as speakers at informal dinners.

The Club meets every Tuesday throughout the term and offers an unexcelled opportunity for freshmen to become acquainted with faculty members.

Each House will have a sign-up list for those interested in the program. Interested individuals should sign up by Friday. They will receive a meal ticket for \$1.25. The dinner begins at 6:30 p.m. and usually lasts until about 8.



THE GIRL I LEFT BEHIND ME

It happens every day. A young man goes off to college, leaving his home town sweetheart with vows of eternal love, and then he finds that he has outgrown her. What, in such cases, is the honorable thing to do?

Well sir, you can do what Rock Sigafoos did.

When Rock left Cut and Shoot, Pa., he said to his sweetheart, a simple country lass named Tess d' Urbevilles, "My dear, though I am far away in college, I will love you always. I will never look at another girl. If I do, may my eyeballs parch and wither, may my viscera writhe like adders, may the moths get my new tweed jacket!"

Then he clutched Tess to his bosom and planted a final kiss upon her fragrant young skull and went away, meaning with all his heart to be faithful.

But on the very first day of college he met a coed named Fata Morgana, a girl of such sophistication, such poise, such *savoir-faire* as Rock had never beheld. She spoke knowingly of Franz Kafka, she hummed Mozart, she smoked Marlboros.



"You can hit me in the stomach, if you like."

Now, Rock didn't know Franz Kafka from Pancho Villa, or Mozart from James K. Polk, but Marlboros he knew full well. He knew that anyone who smoked Marlboros was modern and advanced and as studded with brains as a ham with cloves. Good sense tells you that you can't beat Marlboro's exclusive selectrate filter, and you never could beat Marlboro's fine flavor. This Rock knew.

So all day he followed Fata around campus and listened to her talk about Franz Kafka, and then in the evening he went back to the dormitory and found this letter from his home town sweetheart Tess:

Dear Rock,

Us kids had a keen time yesterday. We went down to the pond and caught some frogs. I caught the most of anybody. Then we hitched rides on trucks and did lots of nutsy stuff like that. Well, I must close now because I got to whitewash the fence.

Your friend,
Tess

P.S.—I can do my Hula Hoop 3,000 times.

Well sir, Rock thought about Tess and then he thought about Fata and then a great sadness fell upon him. Suddenly he knew he had outgrown young, innocent Tess; his heart now belonged to smart, sophisticated Fata.

Rock, being above all things honorable, returned forthwith to his home town and walked up to Tess and looked her in the eye and said manily, "I do not love you any more. I love a girl named Fata Morgana. You can hit me in the stomach with all your might if you like."

"That's okay, hey," said Tess amiably. "I don't love you neither. I found a new boy."

"What is his name?" asked Rock.

"Franz Kafka," said Tess.

"A splendid fellow," said Rock and shook Tess's hand, and they have remained good friends to this day. In fact, Rock and Fata often double-date with Franz and Tess and have heaps of fun. Franz can do the Hula Hoop 6,000 times.

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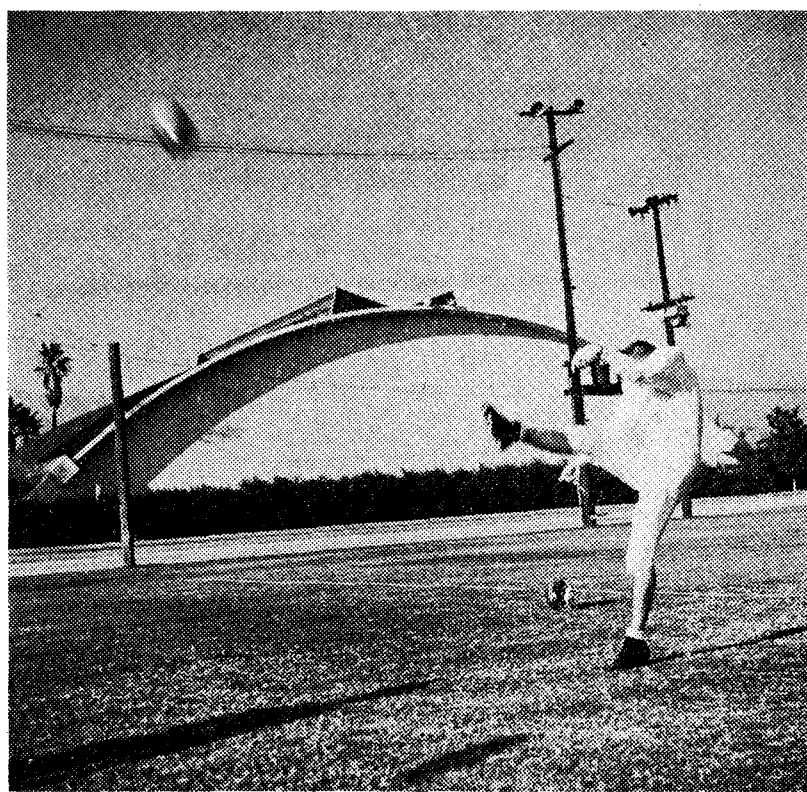
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SPORTS

Lineup Changes Strengthen Team



—photo by Bob Levin

Tech footballer gets toe into practice for coming season.

Last Saturday, September 23, 1961, pre-season conditioning drills were concluded for this year's varsity football squad. On Monday, practices began in earnest with the return of the remainder of the team who had been tied up until then in summer jobs, frosh camp, or armed forces commitments. In order to get the most mileage out of the available material, Coach Bert La Brucherie has juggled the line-up. Senior Ed Miller has been shifted from halfback to fullback and Larry Ruff, junior transfer from Sacramento Junior College, has been switched from fullback to guard to bolster the interior of the line.

The squad scrimmaged Los Angeles Pacific Bible College yesterday at Tournament Park in preparation for their opener on October 7 with Azusa College. A sidelight on several of our future opponents: Azusa beat UCR last weekend, 22-6 and Southern California College was walloped by a local junior college by the score of 55-0.

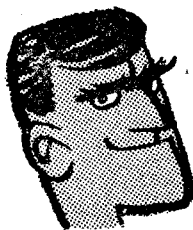
Prospects for this year's frosh team were brightened when 22 eager frosh turned out for the first practice last Monday.

Start IH Softball

Softball leads off the Inter-House sports schedule for this year with three weeks of games starting next Monday. The length of the practice period has been reduced to one week in an attempt to cut down on the number of games halted by darkness.

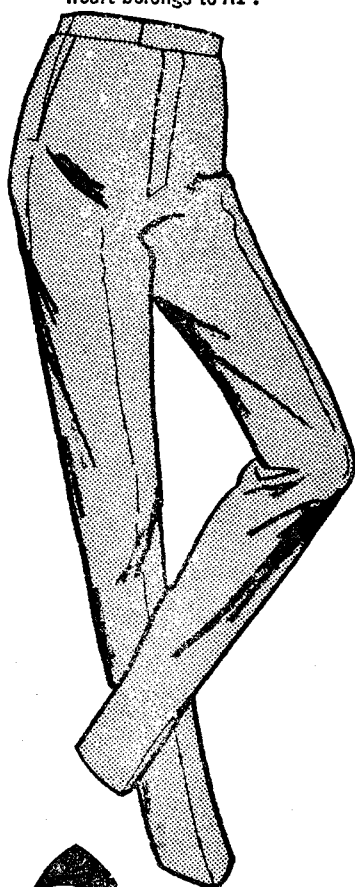
Both Ricketts and Dabney, who tied for first last year, have seen key players graduate so the race should be wide open.

Also scheduled for this term are Interhouse tennis, with matches during the week of November 13, and the Inter-house swim meet, to be held December 5, 6, and 7.



"LOVE IS
A SNAP"

"Girls used to just smile. Now they pucker. It happened so suddenly, the day I put on these Rapier slacks. Sorry girls, my heart belongs to A1."



At your favorite campus shop

Water Polo Chances Good

The Caltech Water Polo team will begin the 1961 season minus six of the seven starters who, in 1960, brought Tech its first SCIAC championship. All-Conference forward Bruce Chesebro, 1960 high scorer, and Gary Mitchell lead eight members of the 1960 squad into what should be the closest conference race since water polo became a league sport three years ago.

Returning from last year's team are forwards Pat Manning, Jim Shaw, and Tom Saltee; guards Dave Ollis, Charles Gratch, and Gary Turner; and goalie Alan Huber. Sophomores Mike McCammon, Dave Seib, Tom Crocker, and transfer student Erland Eykelenboom should push some of the upper classmen for starting assignments. Dave Lambert, Bob Storwick, Art Turner, Elliot Harry, and Ray Weiss will add considerably to the depth of the squad.

This year's freshman turnout, though inexperienced, is (Continued on page 5)

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Beaver Chips

By Noll

WE AIN'T THAT BAD!

The new freshmen weren't at student camp more than a few hours before they learned the noble art of panning Caltech athletics, and by talent-show time three exceptionally enterprising frosh had written a "fight" song for the Beavers, replete with the old cliches about the Twitchy Techman. One frosh asked, quite earnestly, if Caltech athletics was as bad as legend suggests.

Strangely enough, it isn't.

Sure, we didn't win a football game last year, and we probably won't win more than one or two this year, if that. But Cal-

tech has some good athletes, make no mistake about it, athletes we can be proud of.

My own favorite is Vince Hascall. It takes guts to be a 155-pound halfback. It takes a heck of a lot of ability to be both a 155-pound halfback and the best player on the team, and one of the best in the conference. To me Hascall represents the Caltech athletic legend, whatever that means, much more than being wiped out every year by some pretty stiff competition. Where else could a sub-gorilla-sized player, even of Hascall's ability, even make the team —

(Continued on page 5)

California Tech

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Beaver Chips

(Continued from page 4)

or get a chance to make the team? Hascall is living proof that size is not an impossible obstacle to overcome, that an athlete's worth is, after all, measured in performance rather than pounds.

Hascall is a tough little cookie, and he has done his share in teaching players from other schools to respect Caltech, especially with his bone-crushing (literally) tackles. It's hard to fall asleep at a Caltech football game, mainly because the crack of Hascall's tackles keeps waking you up.

And if you get tired of watching Hascall — something I really can't foresee—take a peek at some other Caltech behemoths like Ed Cline, 165-pound full-back, or Jack Arnold, 170-pound guard. All look like escapees from the Pop Warner League —until they start to bump heads with the animals on the other side of the line. You'd think they had a Brahma bull tucked beneath their shoulder pads.

So don't knock Caltech athletics without giving a little credit to the good side. Even if we don't win a game, we still have Hascall, and some other pretty fair playmates, to be our heroes. It just takes positive thinking.

Water Polo

(Continued from page 4)

the largest in Caltech history. The size of the squad promises strong teams in coming years.

Oxy is Team to Beat

Coach Web Emery picks Oxy as the team to beat this year. The Tigers boast an excellent coach and a strong crop of sophomores who were last year's frosh co-champions. Pomona, who shared championship honors with the Beavers last year, have lost only one guard by graduation and may repeat their excellent 1960 performance. However, their sophomores are not expected to add to their strength; Claremont on the other hand is considerably strengthened by its sophomores who shared the freshman championship with the Redlands team. Redlands, though improved, is not expected to be a serious threat.

San Fernando State opposes the Beavers in the first contest of the season in Alumni pool on Tuesday, October 3, at 4:15. Nothing is known about the strength of the visitors but the Beavers hope to repeat last year's 14-2 victory.

The following Friday the team will meet Pasadena City College at home at 4 p.m. The annual Alumni game will be held at 2 p.m. on Saturday, October 7 in the Alumni Pool. Practice sessions for Alumni will be held September 26 and 28, and October 3 and 5 at 7:30 p.m. Last year the Alumni were defeated by the Varsity, but are considerably strengthened by the alumni of the class of '61.

McCombs Attacks Caltech From Safety Of Yale

(Continued from page 2)

most of my suggestions apply to the administration and faculty. That does not absolve the student of responsibility —this article is going to have little or no effect on faculty opinion. Neither will bull sessions within the Houses. If you want to see changes made on a faculty/administration level, you're going to have to goad and prod them continually with articles in the paper, personal letters and conversations, and a strong interest in their problems.

First, I would like to urge the faculty to adopt the "beer and pretzel" format for as many courses as possible. The refreshments or evening hours are not essential. The informal atmosphere is. Students should be encouraged to participate. More than one faculty member should be present whenever possible — preferably the guest should have opinions which differ from those of the instructor, so that the students may be in on the questions and discussions which are the chief sources of advancements in science. If the class takes an interest in some side issue which may

be profitably pursued, the instructor should be free to devote time to it — leaving the normal material to be assigned for outside reading or perhaps abandoned altogether if not essential.

Why — if we are really trying to train men who will seek original approaches — do we limit ourselves to a form of teaching in which we are told answers and expected to accept them on authority? Students should be encouraged from the beginning of their Caltech careers to ask questions and challenge the professors on points that they do not understand. Instead, because they know that they are now in competition with their intellectual equals and betters, Techmen tend to refrain from asking questions in class because they are afraid of appearing stupid. In an informal round-table discussion they could learn from their own questioning, even though it might indeed at times be stupid.

More Flexible System

And at the administration level, I think some attempt should be made to utilize the inherent advantages of the available ma-

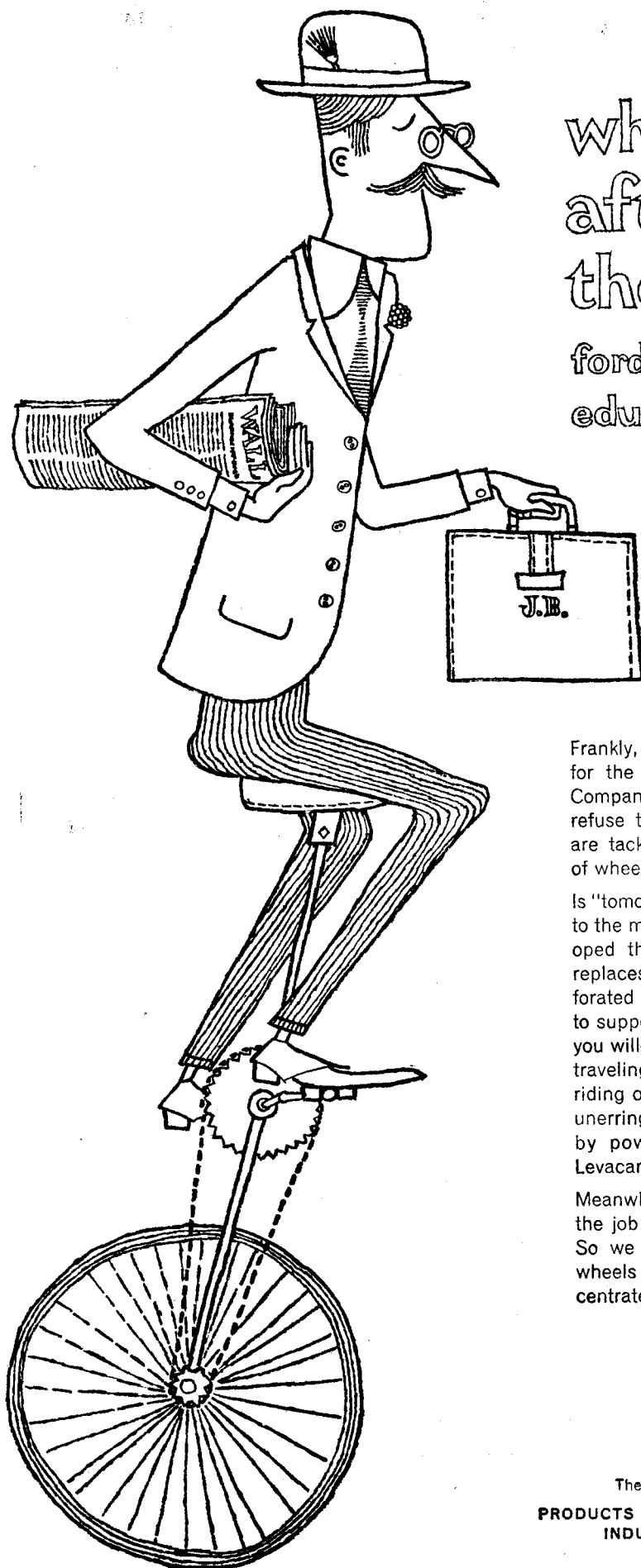
terial at Caltech. Here we have a small student body of exceptional ability, and yet we insist upon retaining the traditional system of quarters, courses and grading that were developed for and at normal colleges without these advantages. If Caltech is really a leader instead of a follower, why don't we initiate some programs to use these factors? A student should not be forced to follow a prescribed schedule of courses. After the basic training of his freshman year, he should be placed in the keeping of an advisor — the student and the advisor should confer together and choose a program of courses and outside reading to give the student the best possible training for the field he wants to enter. In some cases, a student might need the discipline of regular classes and tests. Other students have initiative and self-discipline that such limitations can only stifle. They should be free to pursue a program of reading, study and discussion with faculty members, subject only to the continual review of their advisor. They should be encouraged to enter the no-

man's land between two fields—an endeavor practically impossible under the firm requirements presently insisted upon.

Use Student Houses

More advantage should be taken of the possibilities of the Student Houses. By spending one or two evenings a month in informal discussion in students' rooms, a professor could do more teaching than he does in his daily classroom lectures.

In summary, then, I would say that Tech is no longer a leader. If it wants to regain its position as a top institution, some daring, risky and experimental action is going to have to be undertaken by the faculty and administration. I would suggest that a faculty/student committee go to MIT and find out what happened there. We are fond of considering ourselves vastly superior to MIT, but the truth of the matter is that MIT has undergone a great change in the past decade. From an institution as tradition-bound as Caltech now is, MIT has become a dynamic and (in comparison to CIT) an aggressively experimental school.



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Open only to students and faculty members. Enter as many times as you want. Simply send an empty Viceroy package or reasonable rendition of the Viceroy name with each entry.

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