Interhouse Dance Decorations Feature Art, Literature, Skis

Good Luck, Kids!
The Mudee — annual display of friendship and brotherly love — will take place next Tuesday at 8 p.m. on the athletic field under the supervision of the junior class.

The traditional state of events is planned. In order, the freshmen will meet the sophomores in a tug-of-war, a sack race, a wheelbarrow race, a home-and-away fight, and the ever-popular tire spree.

Meanwhile, the senior class will set into action their rumored plan to win the Mudee for the fourth straight year.

Homecoming Queen Candidates Presented Sunday
Candidates for Queen of Caltech’s November 30 Homecoming will be introduced Sunday at a reception in Dabney Garden. Next week the candidates will eat in the Student Houses and their pictures will appear in the California Tech. A student body vote will be held next week to select five finalists.

Homecoming celebration will start at 6 p.m., Friday evening, with a dinner in Phineas and Dabney for Techmen and dates and alumni. The game with Claremont-Harvey Mudd will follow at 8 p.m. in the Rose Bowl. Senior Class President Jim Berson will crown the Queen and attendants during the half.

Tickets are available from the House social chairmen. Prices are $1.75 for students’ dates, $1.25 for off-campus students and alumni, and 50 cents or resid-

Newcom Club to Hear Dr. O’Reilly Tomorrow

House Population, Rotation Confab Set For Monday
A student body meeting to discuss the four rotation plans and the one chosen by the committee proposed last week by the New Student House committee will be held Monday, 7:30 p.m., in Dabney Hall lounge.

Committee members will explain the work behind their proposals, invite questions, and discussion from the floor in an effort to gauge student body reaction to their ideas. Any new plans, if supported by good reasons, will be welcomed Lee Hood, committee chairman, will preside.

Faculty to Decide Based on Monday’s discussion, the committee will suggest formally one of the rotation plans, with a minority report if necessary, to the HIC. If the HIC approves the report, it will be forwarded as a recommendation to the Fuculty Student House committee, which will decide the form of rotation.

Along with the eventual rotation plan, the committee will submit a suggestion for the upper-class population of the new house. Details will be made public in future editions of the California Tech.

Blacker, taking advantage of their floodable courtyard, has turned to the Odyssey for Ideas. A ship will be anchored outside the lounge, which will be transformed into a Greek temple for the evening. The dining room will be a banquet hall.

Blacker has overcome the problem of the hot in the middle of their courtyard, by erecting to place a huge head on it. The rest of the courtyard will be made into a 3-dimensional abstract, with ideas taken from several abstract painters. Their lounge will follow along the same line.

Three of the four rotation plans to face discussion are:

1) A first-year, first-year, third-year, third-year, fourth-year, fourth
2) After noting in which areas (as to class and present House) the new student house committee, which will decide the form of rotation.
3) Any marked departures still remaining will be eliminated by requiring students in the over-populated areas to draw lots.

The four rotation plans to face discussion are:

1) No rotation, with the Master of Student Houses assigning a cross-section of the incoming freshmen to each House.
2) Partial rotation, have each freshman with only three houses. He would spend two days in each House and then move to the next. One of the houses was committed to the three Houses visited.
3) Short rotation, allowing all freshmen to be in three houses for six weeks. Each of the seven Houses will be available for the freshmen to rotate through, and each House will be allowed to rotate through the seven houses in six weeks.
4) Long rotation, lasting six weeks. Freshmen would rotate through each House for one week, except for the House they started in. At the end of the week they would be allowed to rotate through any of the seven Houses, but each House must keep its freshmen who do not rotate through any of them. In addition, a House could not choose any of the other Houses to rotate through, but must rotate through singles to doubles. The following year such a House would have the freshmen from the previous year.

During long rotation freshmen could not participate in interhouse activities until their House teams could be set up. Interhouse activities will not be held for the eighth week to avoid conflicts with rotation. Freshmen will have the choice of going to any of the events of the House through which they are rotating.

Tech Represents Israel in Model United Nations
Caltech will represent Israel at the Model United Nations next week. Twenty-six men will be chosen before the end of the term to make up the delegation.

The Tenth Compositional Session of the Western College Model United Nations will be officially known, will be held at the University of California from April 6 to 9.

Delegations from over 20 colleges in 16 states, Canada and Mexico will be on hand to represent the 84 UN member nations. The U. of Cal will hold the position of the Secretary. The several hundred delegates will stay in two dormitories and one hotel.

A number of international questions, ranging from Laos to the economic problems of the Upper Nile, will be discussed in various committees and councils during the session. All resolutions passed in the committees will be presented to the General Assembly for final discussion and decision.

The Caltech delegation will be chosen by the MUN Continuation Club, which is made up of Greek, Roger Noll, Bill Bauer and Pedro Balsells. Anyone interested in being on the delegation should contact one of the committee members.

Caltech has, in the past, represented nations such as Japan, Australia and Cuba.
Interhouse and BOC

Since the Interhouse Dance is only a week away, it might be helpful to review the Board of Control policy regarding procure-ment of materials. As you undoubtedly know, the Honor System applies to relations between students and the Institute as well as to student-faculty and student-student relations. Con-sequent to theft of Institute property is a violation of the Honor System. Borrowing without obtaining permission is regarded as theft.

In the past students have found Institute employees very cooperative in lending them building materials. Many useful ar-ticles may be had for the asking. However, it is your re-sponsibility to ask before taking anything which is not in a trash pile. This includes material at the various sites of the campus during construction.

The Board becomes concerned with off campus procurement only at the request of outside authorities. Nevertheless, it is a very good idea to ask permission before taking material which you find off campus. If you fail to do so, you must be prepared to assume responsibility for your actions.

Tom Tebben
ASCIT Vice President

Letters To The Editor

Editor, The California Tech

I'm becoming a little short of patience with those who are in a habit of complaining about the present student house system, and particularly with those who are of the opinion that the present and interhouse competition are bad. Personally, I think rotation is the one good thing that makes the student houses outstanding. It keeps them from being dorms, without making them fraternit-ies. I am in favor of having as much choice as possible in deciding who I want to live with and who want to live with me. While at the same time realizing that these two choices do not always go together.

Another good feature of rotation is that everybody meets people in all four of the houses. If any one says later that he does not know somebody in another house, or that he does not know enough people in another house, he has nobody but himself to blame.

Interhouse competition is unfair from nearly everybody. I say that nothing could be better than this competition. Those who complain that the competi-tion is getting cut-throat don't seem to realize this is not the fault of the system. This is the fault of individuals who have not yet learned how to take defeat gracefully, and they don't see that the mechanism for losing this has been provided in the form of competition between friends, and I emphasize, friends.

In short, I think the present system is pretty good.

GRABY YOUNCE

Secretary’s Report

Any remaining tinges of nostalgia for the annual regale of meetings, which has been completely swept away by the somewhat startling successes of BOD meetings during the past few weeks. For those who have not yet been witness to the somewhat revolutionary type of procedure, its keynote is informality: student house lounges, shirt-sleeves and brief business sessions (this week's took exactly 12 minutes).

The meaningful part of a board meeting now consists of a general discussion, of the bull-session type, concerning problems which have significance for most of the student body. To sum it up, ASCIT is now begin-nning to take on a much more realistic character: that of an organization, through which we can work to solve common prob-lems; the description student "government" should not — if it ever was — be taken seri-ously.

Charities Drive

One of the more interesting ideas which has resulted from these discussions was brought up at last week's meeting concern-ing the Charities Drive. In past years, as almost everyone knows, the Charities Drive has consisted of a more-or-less random selection of worthy-while causes, picked by the BOD, and presented to the student on a single consolidated pledge card. Considering the somewhat distant relation of these char-ities to the Tech campus, the drive has done surprisingly well; an amount on the order of $2000 was collected last year. However, it was felt by nearly everyone that a much more meaningful program, in terms of its relation to the Caltech stu-dent body, should be attempted. Hence, the idea of a new type of charities drive arose, one in which the student body would sponsor a specific project.

Possible applications of this idea are the support of a pro-gram for caring for refugees in a specific area of the world, the development of a school in a backward area, or the establish-ment of a fund for getting food to peoples in areas of starva-tion.

The essential characteristic of this type of proposal is that we would have a direct interest in the development of the program. Instead of merely giving money to a large organization, having no idea — or particular concern — for what the money is spent. The details of this proposal are being worked out by Bob Koh, any ideas or suggestions would be more than appreciated.

The Dance

Highlighted by the presence of Miss. Carolyn Divelesa, Vale Goldstein and Martha Storm of Scripps College, the meeting this week was mainly concerned with a discussion of the Freshman Tea Dance. It was universally agreed that the dance, as it has been labeled, must be canceled. The last dance, however, has made more harm than good to the reputa-

FIRST STRING. You can depend on that refreshing Budweiser taste. Which is why the campus crowd agrees — where there’s life... there’s Bud.
Opinion

Techmen View Un-American Activities Committee Hearings

By DAVID KUBRIN,
STEPHEN LUNER

A subcommittee of the House Un-American Activities Commit-
tee spent 24 hours in Los Angeles and in Sante Fe long days during the week of October 12 to investigate the activities of the Communist Party. The hearings, which were not advertised, were held in Los Angeles and in Santa Fe.

The purpose of the hearings was to determine whether the Communist Party was operating in violation of the Smith Act. The committee, which was headed by Chairman Joseph R. Welch, conducted the hearings in a manner that was designed to silence the testimony of the witnesses.

Several times the hearings had to be adjourned. The committee was faced with a number of challenges, including the lack of evidence and the refusal of some witnesses to testify.

The hearings lasted for more than 24 hours. During this time, the committee members heard testimony from a number of witnesses, including former members of the Communist Party.

The hearings were criticized by some members of the public and by some members of the press. Some felt that the hearings were designed to silence the testimony of the witnesses and to prevent them from speaking freely.

The hearings were also criticized by some members of the Communist Party. They argued that the hearings were biased and that they were designed to silence the testimony of the witnesses.

The hearings were concluded on October 13. The committee's report was released on October 16. The report was critical of the Communist Party and recommended that it be proscribed.

The hearings were controversial and were widely criticized. Some felt that they were designed to silence the testimony of the witnesses and to prevent them from speaking freely.

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Positive Bias

Reader's Guide To P.B.

BY PIERRRE SUNDBORG

I have heard a few comments recently by those who claim to know very little about high fidelity. They feel that I use unfamiliar words in this column in order to hide what I'm trying to say, and thus conceal my ignorance of the subject. I won't discount their first point, but I do have to state that I know about high fidelity. Thus, this week we'll begin consideration of a few of the more common audio terms. Incidentally, a tip of the hat to Audio magazine for the ground work.

High Fidelity. High fidelity is fidelity that is higher than low fidelity. The two terms should not continue use, as low fidelity is in reality nothing more than high fidelity for low incomes. This must not be confused with low fidelity for high incomes, which is grounds for certain types of legal action in some states.

Pickup. The high meaning of this term is not to be confused with any other definition altogether. and though commune-based economy is having its setbacks, only a main defeat of the gigantic army could topple the government.

This seems hardly likely to occur in the foreseeable future. Assuming it could, though, Chiang-kai Shih's prospects for affirming his leadership over the 600 million Chinese would not be appreciably greater. For the inquest, whatever its sources, its elements, could hardly be expected to welcome the Generalissimo back to the land he ruled so insolently.

But the average person in Taiwan has little time to ponder these questions. No primary concern is with keeping alive in face of great population pressure and a struggling economy. Tourists don't visit Taiwan; only students and people on official business are given visas. Life in Taipei is geared apparently.

(Continued on page 8)

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on-campus interviews will be conducted Nov. 23-24, 1959 by a senior member of the Hughes Research & Development Staff. Consult your College Placement Officer for an appointment.

electrical engineers & physicists receiving M.S. or Ph.D. degrees

(Continued on page 10)
The Crucifiction Of Cleve Moler

BY BRAD EFRON

(Tack, tack, tack, tack, tack) KURTH: That oughta fix his house, brah.

SCHOLTZ: Nice job, Dave. KURTH: My Buddhist stager made it easy—and six times faster than a skilled Roman using hammer and nails.

(Enter Tebben)

TEBBEN: What's new, guys?

SCHOLTZ: Should've been here a few minutes earlier, Tomy—you just missed a crucifix-

ion.

TEBBEN: So I see—gotta keep him up for Interhouse?

SCHOLTZ: Yeah, I think so. Our theme this year is BOC Viol-

ation. Six scenes from the life of a boy.

TEBBEN: Sounds great, but think you'll be able to fill the cavities?

SCHOLTZ: No sweat, it all takes place on the S.B. Titanic, (Enter Karnoy and Carmich-

ael, wearing their "Ext-

Comm"insignia & t-shirts.)

KARNOW: Looks like you guys were up to a little mischief.

KURTH: Nothin' much—we crucified Moler.

SCHOLTZ: Sloppy job on the left hand.

KURTH: You're right. (Tack.)

SCHOLTZ: Much better. Is the way, what motivated you to do this?

KURTH: We thought he was too wise.

SCHOLTZ: What are you thinking? According to the latest ExtComm poll, the average 

Technian (except, of course, for a small select group of oddball campus intellectuals) spends 40 hours a week studying science, 0 on music, 5 on art, 3 on poli-

tics, 12 on literature and less than one hour a week thinking.

TEBBEN: Disgraceful.

KARNOW: Just last week the students at Tangiers Tech marched on U.S. embassy, dis-

embowed the American ambassador, and set fire to the Euro-

pean quarter, thereby expressing their protest over U.S. interven-

tion in Wisconsin.

SCHOLTZ: CARMICHAEL: That's real fervent.

(Enter freshman at breakneck speed. He trips over bud-

minton net and breaks neck.)

SCHOLTZ: What up?

FROSH: . . . trouble, a breakdown in the Ricketts House, Ken . . .

big inter-club landscape . . . they're gone . . . they're gone .

SCHOLTZ: Yes? Yes?

SCHOLTZ: Moler . . . (fresh-

man empties. Look of contrast-

ion and constipation grips all. Enter Dokken, followed by one hundred masked men, all in Ma-

rown corduroy jackets, Dokken carries a rope.)

DOKKEN: Spread out men—

cover all the exits and plug any

one who makes a break for the health center.

SCHOLTZ: You men have

business over here?

DOKKEN: A little business

with Kurth. (He swings rope

menacingly.) We heard about

Moler.

KURTH: (Speaking rapidly

through beard.) He got just

what was comin' to him. We
don't cotton to no rotation-lov-

ing editors up here in sheep

country.

(Look of relief crosses Dok-

ken's face.)

DOKKEN: We thought, you'd
done in Art.

(Exit masked men, with many a hearty "hearty dudy.")

SCHOLTZ: Say, just who were those masked men?

KURTH: Dammed if I know. 

TEBBEN: See you guys—I've
got to get back to thinking.

CARNOW: It's time to do a lit-

tle thinking about thinking.

SCHOLTZ: CARMICHAEL: I'm motivated to try thinking about thinking about thinking.

OTHERS (Interrudus): What a grasp of the subject! (Exit all. Mildew Moler.)

BY JOHN BERRY

Here's an interesting drink. This again is something you'll probably want to feed the girl friend, but there is a modification which takes it out of that class entirely.

THE MAIDEN'S PRAYER

3 parts Dry Gin

1 part Lemon juice

Stir well with ice and strain into glass.

The first time I made this drink, I had no orange juice. I substituted about three daches of Orange Bitters, instead (you might like more or maybe less), and was quite pleased with the result. I consider it superior to the standard Maiden's Prayer, although most girls will disagree with me.

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Apostle Spearheads Math Revolution At Caltech

BY KEN MANLY

There's a revolution taking place at Caltech. And it's happening here at Caltech. If you're a freshman or a sophomore, you're probably already aware, perhaps painfully so, of its effects on your studies.

One of the men behind this revolution is Dr. T. M. Apostol, associate professor of mathematics and author of the famous Apostol's calculus.

I learned about this revolution and the reasons behind the new curriculum when I interviewed Dr. Apostol in his home in Pasadena. He explained to me that the revolution in mathematics concerns its teaching. Some mathematicians have proposed that matrices, calculus, Boolean algebra and other forms of modern math should be taught in high school; others are opposing any change in high school curriculum. The high schools, not having the men to compose a satisfactory text for these courses, are caught in the middle. Hence at Caltech, however, we have a faculty who can forget tradition, ignore current methods, and out of our own — this is exactly what they have done.

Important Discoveries

About three years ago the mathematics department became familiar with the texts they were using, and they began to discuss the possibility of writing their own. In composing the new course and its text they decided to forget everything that had been done before, try to evaluate modern mathematics on the modern grounds. That is, the old texts did not do modern mathematics justice. The new one would have to be representative of the type of thinking being done in modern mathematics. As Apostol put it, they tried to decide how a modern mathematician would teach the historical concepts of mathematics. Finally they decided that the most valuable thing they could teach the freshmen was calculus, and the most important concept in calculus was the integral.

Last year Apostol wrote the notes for the new freshman math course. This year he is writing the sophomore math course and revising the freshman notes. He has hopes that his current project, the notes for math 2b, will be ready by the time they are needed this year. Apparently the revision of the textbook will go no further than the old sophomore course; in fact, math 2c will probably use the standard text on differential equations that was used last year. There is no problem in the advanced math courses; as

Eighty Days

(Continued from page 4)

The unit of form is all the phenomena, a Nicholsen endowed with this style, on which a ride may cost up to 5 NT (the black market exchange is 37 to 1). Food is very, very cheap, the lands of Taiwan are extremely fertile and productive and costs considerably less than $1 (US) per day.

The YMCA where I stayed in Taipei was conveniently close to the government conclave and famed Sin Alley, the entertainment center.

Meanwhile

But I had a project to work with and this place was ripe with possibilities. China possesses a rich heritage of medical practice, extending back thousands of years. Of primary importance is the branch of herbal medicine, which despite the modernization trends and use of medications derived from approximately 20,000 species of plants, remains in constant use. Though its effectiveness has been questioned, it is apparent that many of the traditional treatments are extremely valuable and even superior to the Western methods in some areas.

I observed much of the research being done in the field of drug analysis and isolation of active principles at the National Taiwan University and several centers in the south of Taiwan. The quality of work done is very high — there are only three schools producing after seven years doctors with a B.S. degree.

A memorable occasion was a visit to the hospital of one of the foremost doctors in Chinese medicine. Dr. Er Lih, who is on the Board of Directors of the Chinese Herb Association. His clientele is international and pays handsomely for treatments only he can accomplish. His specialty is a common affliction known as the "Taiwan lice," a skin ailment pronounced incurable by Western dermatologists. He also claims a perfect record of treating cervical cancer. In fact, his preparations are being analyzed by a team here at Caltech.

Somewhat hesitatingly, I spoke to Dr. Er through the medium of a convenient English-speaking friend. He expressed great interest in my work and encouraged my research activities. As I departed, he pressed into my hands some herbs and medicines worth a small fortune — and these I have surreptitiously brought back with me. One of them, he claimed, could have cured Colds and the U.S. Public Health Department accepted his offer of assistance. Who knows?

I had much food for thought as I departed from Taiwan aboard a luxurious CAT (Civil Air Transport), successor to the World War II F4 "Flying Tiger" plane. I had passed up tempting offers to remain with these fascinating and friendly people. The time, however, was not yet ripe. And as we heard of the encounter of Nationalist jets with Red MiGs over the Straits, I wondered if it ever would be.

On the move at home and abroad

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In this country, General Telephone's growth in the past ten years has paralleled the strong, healthy growth of America, itself. As for the future — every sign indicates a growth potential that's practically unlimited. For instance, we are adding new telephones at the rate of 500 a day. And we're investing almost $200 million in new telephone facilities this year, alone.

This is a typical example of how we strive... not only to meet today's communications needs but to answer tomorrow's.
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<th>NAME OF AWARD</th>
<th>PURPOSE OF AWARD</th>
<th>FIELDS OF STUDY</th>
<th>RESTRICTIONS</th>
<th>STIPEND</th>
<th>DEADLINE</th>
</tr>
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<tbody>
<tr>
<td>Danforth Graduate Fellowships</td>
<td>To encourage men aware of moral and religious values to go into college teaching</td>
<td>Any field taught in an undergraduate college, especially sciences and social sciences</td>
<td>Men under 30</td>
<td>$1500 per year plus tuition and allowances for wife and children till doctorate received.</td>
<td>Nominations: Dec. 1, 1959 Applications: Jan. 31, 1960</td>
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<tr>
<td>Fulbright Scholarships and Inter-American Cultural Convention Awards</td>
<td>To provide graduate study in any of 47 countries in Europe, Asia, the Far East and Latin America.</td>
<td>Consult Folder</td>
<td>Knowledge of language of host country required. Preference given to persons under 36 who have not lived abroad.</td>
<td>Tuition, maintenance, and round-trip travel. Travel grants also available for other students.</td>
<td>Applications due Nov. 1, 1959</td>
</tr>
<tr>
<td>General Electric Graduate Fellowships</td>
<td>To provide advanced study for those who might otherwise lack opportunity because of racial or cultural background or region of residence.</td>
<td>Unrestricted</td>
<td>Open to Negroes, Spanish-Chinese and Japanese-Americans, residents of Guam, Puerto Rico, Samoa, Virgin Islands, Appalauchia, or Okinawa Chis., and Trust Territories</td>
<td>Normally $1000 to $2000</td>
<td>Applications due Nov. 30, 1959</td>
</tr>
<tr>
<td>Marshall Scholarships</td>
<td>To provide study leading to a degree in any British university</td>
<td>Unrestricted</td>
<td>Age under 26 on Oct. 1, 1960 (26 in exceptional circumstances)</td>
<td>$1500 plus tuition, transportation, allowances, 22 years</td>
<td>Applications due Oct. 31, 1959</td>
</tr>
<tr>
<td>National Defense Graduate Fellowships</td>
<td>To provide study leading to Ph.D., preferably to persons preparing for college teaching</td>
<td>Unrestricted</td>
<td>Persons with not over half year of graduate study toward Ph.D.</td>
<td>$2000 plus for 3 years plus allowances for dependents</td>
<td>Not yet announced</td>
</tr>
<tr>
<td>National Science Foundation Fellowships</td>
<td>To provide graduate study at any level</td>
<td>All natural sciences, math, and some social sciences</td>
<td>Mon not over 24 on Oct. 1, 1960. &quot;Some definite quality of distinction . . . in intellect or character&quot; is required</td>
<td>About $2000</td>
<td>Nov. 15</td>
</tr>
<tr>
<td>Rhodes Scholarships</td>
<td>To provide two years (sometimes three) of study at Oxford</td>
<td>Unrestricted</td>
<td>Age 20 to 26, inclusive, and unmarried. Knowledge of language of host country required (in most cases).</td>
<td>About $2000</td>
<td>Applications due Aug. 1, 1960, for study abroad 1961-62</td>
</tr>
<tr>
<td>Rotary Foundation Fellowships</td>
<td>To allow outstanding students to live and study abroad</td>
<td>Unrestricted</td>
<td>Sufficient for all costs.</td>
<td>Not yet announced</td>
<td></td>
</tr>
<tr>
<td>Woodrow Wilson Foundation Fellowships</td>
<td>To provide one or two years of graduate study for persons thinking seriously of going into college teaching</td>
<td>Any field taught in a liberal arts college</td>
<td>For seniors and persons with not over half year of graduate work in field applied for</td>
<td>$1500 plus tuition and allowances for wife and children</td>
<td>Applications: Nov. 15, 1959</td>
</tr>
</tbody>
</table>

C. L. Hampton

Computer expert Chuck Hampton is a man with problems. As head of our Avionics Division’s Computer Applications section, Hampton pits his analog and digital computers against the mathematical intricacies of infra-red research, optics, spectral background studies, feedback control and weapon system design.

At 30, with a BSEE from the University of Illinois, Chuck Hampton is a Senior Engineer. He typifies the progress made at Aerofly by younger men of technical distinction, in electronics and many other areas.

We think the challenge is imposing and the opportunity impressive.

FRIDAY, NOVEMBER 6
Soccermen Squeak Past Tough Sagehen Squad

A desperate burst of activity in the fading moments of last Saturday's soccer game with Pomona enabled the Caltech squad to eke out a narrow 4–3 victory for their first conference win of the season.

The close win put the Beaver boosters' record at 1-2-4 for conference play. A pressing Caltech offense 문서 제목과 본문을 자동으로 번역한 텍스트입니다. 이 텍스트는 원문을 자연스럽게 읽으듯이 중립적으로 제공합니다. 작성 성능을 알기 위해 이를 이용합니다. 후속 질문들은 이 텍스트와 관련이 있을 것입니다. 후속 질문들은 이 텍스트와 관련이 있을 것입니다.
Polioles Lose To Pomona, Face Oxy In Battle For 2nd

Gary Tibbetts, with ball, punishes in a shot in the game against San Fernando, played Tuesday. Looking on is Bob Ruby, number 27, who scored three times for the local varsity. The Beavers’ unbeaten skids in conference action.

Pomona gave a convincing demonstration of their strength last Wednesday, narrowly transmitting Caltech’s water polo squad, 17-15, to abruptly end the Beavers’ unbeaten skids in conference action.

The Beavers now hold a 2-1 record, good for a second place deadlock with Oxy, while the unbeaten Sagehens ride atop the SCIAC standings with a perfect 3-0 slate. Tomorrow Oxy and Caltech meet at Oxy in a crucial match, with the Tigers and Tigers are recalled as slight favorites since the awesome Pomona outfit only disposed of them by a 15-7 margin.

Piling up an unsurmountable 120 advantage at the close of three quarters of play, Pomona was never passed. Larry Hill chipped in with nine goals on 21 attempts to pace the Pomona attack. Roger Bland scored the lone Caltech goal midway through the final period.

Beavers Grab Win

Guided by two goals in the fourth quarter, the Beavers took their first exhibition win of the season Tuesday via a 9-7 triumph over visiting San Fernando State.

The visitors assumed a 2-0 lead at the close of the initial period when the Beavers couldn’t connect on the shallow end. Bob Ruby led a second-half dash and the winners had a 5-3 intermission edge. Ruby scored the goal of the game with a beautiful fadeaway shot at a near-impossible angle to the side of the goal. SPS came back to tie the score 5-5 early in the fourth period.

Gary Tibbetts scored the first of his two goals to put the Beavers ahead permanently. Ruby and Gary Mitchell also tacked on fourth-quarter goals to pad the lead.

Shutting with deadly accuracy, Bland flipped in three goals in four shots. Bland is currently shooting at a better than .300 clip, tops for the team.

The Beavers powered home five goals in the second quarter and four in the fourth period, while the visitors were defending the deep-end goal.

Sailing Team Whips Tigers, Takes Second

The Caltech sailing team finished second at the Southern Sails regatta Sunday, defeating Occidental for the first time in modern history.

Tom Bowman, commodore of the Beavers, sailed in the division, gaining a second and third place in four tight races, Skipper Lowell Clark received a first, second and third in the third division.

Orange Coast J.C., a school which classifies sailing as a major sport, finished first with 33 points. The Caltech duo received 28 points. Oxy, a team with many experienced sailors and always strong in the past, managed to get only 26.

The meet was sponsored by the Beavers, and was held at the Los Angeles Yacht Club in Caltech boats. The good Caltech showing indicates that they will be able to field a strong team for the Pacific Coast regatta to be held in mid-December.

Debaters Score In Tourney

Barry McCoy and DickRobinson boldly represented the Caltech debate team in the Novice Tournament at El Camino Junior College last Saturday.

The pair won three of the debates in which they engaged, repeating the 250 average which last year’s team gained in this tournament.

This weekend Caltech will send three teams to participate in the Los Angeles City College Debate Tournament.

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Beaver Chips
By Hull and Koh

Last week the Organizing Committee of the VIII Winter Olympic Games meeting the California Tech spread a generous helping of information about the 1960 games. The winter olympics will be held in Squaw Valley, California, which is near Lake Tahoe and Yosemite Park.

For one half a century the Olympic Games have been the biggest spectacle in sports, the number one event in the eyes of fans and athletes alike. It is really quite an opportunity to have games so close, making it not impractical to spend a few days up there. With this in mind, the sports department of the Tech is organizing a mass expedition to attend the last four days of the games, from Thursday, February 26 to Sunday, February 28.

According to the brochure sent by the Committee, the total cost for food, lodging, and g pass to the events, would be about $20. Admission price includes the use of the hills for private skiing. With all incidental expenses, the total cost shouldn’t run above $80 if we all go in a group.

Anyone interested in making the trip should make their wishes known immediately, for reservations are already scarce. Therefore, if you would like to go, drop a note in the "B" box in Hallett House sometime before the end of next week. If you would like more information, all the brochures and press releases that the committee has sent us are accessible through any California Tech staff member.

Cross Country As An Interhouse Sport

The interhouse sports program at Caltech will be run through the fall, with one of the best found at any college, is somewhat confusing during the first term. Certainly few will deny that both softball and swimming are run in fine fashion, and are both important enough to warrant a place in interhouse competition. But what about cross country? It seems there are many reasons not to include cross country with the other interhouse sports. First of all, there are almost no students who are interested enough in the sport to go out for the team. This year two of the five houses could not round up the necessary 15 guys necessary for the meet. This means that in a group of over 200 students, there were not six who were interested in the sport.

A second argument against cross country is that it is about as far removed as you can get from being a team sport. About all a house has to do is win is to have one guy who can win first place, and then two more who need only finish. In essence, then, cross country becomes a one man competition, with 25 interhouse trophy points hanging in the balance.

A final point is that the directors of the interhouse program find first term so crowded with events that they feel cross country has to be scheduled coincidentally with softball, which tends to make cross country even more insignificant and unimportant than it would normally be.

There are several possible solutions to this problem. The best would be to replace cross country with a better sport, such as water polo, soccer or even badminton, and relieve either softball or this new sport so they don’t happen at the same time. The second possibility would be to have only two interhouse sports first term.

In summary, we can see no reason for the Interhouse trophy to be dropped as unimportant an event as cross country. The interhouse trophy should represent a house effort, the winning of which should represent the effort of the house as a unit. When the efforts of one long-winded house member can determine 12½% of the interhouse point total, something is wrong.
Brewins

Shut Up and Eat Your Gruel

The flank steak flag was fly-
ing over the student house as
the Phegum waiters set the table
for dinner guest I. A. Drawbridge.
Returning from the kitchen, waiter
E. L. Rushing ran into Miss Genie.
"What's with the tablecloth and all
that," drawbridged Genie.
"Oh, that's because Dr. Draw-
bridge is eating here," answered
"With the other fellas, dinner?" gasped
Genie.

Oopth

Nell Hoodby was really swing-
ing. "Man, what a build,"
her retort, "I feel like werewolf.
But, like no go. "Good thing,"
replies random troll standing nearby,
"because that's not a dir, that's an it."

Monkey on His Back

From Greenbank ran a cau-
tious hand over his shoulders and
rolled forth to Throop Hall.
There he paid a visit to Dean
Strong, and spent some time in the
Placement Office. Leaving, he stooped to tie a shoe lace,
for verily he was a man of me-
ticulous appearance, only to hear
the gentle plop of a banana peel
(courtesy of K. Leprechaun),
falling from his shoulder.

Mangled Machinations

"Tell me true, Howthouth old boy,
how would you like a blind date?"
With these words, the Cub scout began a drill new
chapter in the Hmouth's sad
existence. Shortly after arraigning
this date, the Cub scout learned
that Hmouth's date was the roommate of another girl who
wiped out sad unfortunate last
year. Girl number one's com-
ment, heard via the grapevine,
had been, "Verily the Mouth is
a rake indeed." Even with this
in the background, all went
seemingly well on the date. How-
ever, the Cub scout was told later
by his wench that the Mouth-
hood had said to her, "He looked
like he wanted to attack me, if
he knew how." Hearing of this,
Howthouth wrote a facetious
letter to Cubcoutwic, of un-
known contents. Really for all
concerned, the facetiousness of
it all escaped the recipient of
same. All the local participants
are, for some reason, in bad
humor.

Lips That Touch Liquor . . .

The air was balmy, waves
lapped at the beach, and the
final examination of the biology
summer course at Corona was
over. A festive mood prevailed,
and even Doug Stewart, a most
serious young man indeed, was
infected by the atmosphere of
gaiety. Inspired by the example
and rhetoric of his erstwhile
cinematographer, he donned to the
bubbling fount and there drew his
first beer. Sadly enough, his conversion to the fuller life
was short-lived, for no sooner
did the first golden draught dis-
appear than a strange expres-
sion crossed his face, and he made
a hasty exit in the general
direction of the washroom. Fear
not for his digestion, gentle read-
er, for investigation revealed only
our hero indolently brushing his teeth and gargling away the stains of disipation.

Positive Bias

(Continued from page 4)
does, whereas several years ago
that did the same thing only
differently, depending upon him and
himself by Good Engineer-
ing Practice. It used to be very
colourful, but it isn't any more,
thanks to the discovery of RIAA.

Loadspeakers. After the RIAA
comes the loudspeaker, which is
the most important link in the
high-fidelity chain because it is
the worst. There are three dif-
erent kinds of load speakers:
woofers, mid-range speakers,
and tweeters. Woofers are pro-
duced by people who do not like
true tones, such as women, al-
though many knowledgeable hi-
fi enthusiasts prefer to use woof-
ers and tweeters together. Mid-
range loud speakers reproduce
the midrange, which is not
bad at all because everybody
knows high fidelity means re-
production of all the highs and
all the lows.

Listening Room. The final
link in the high-fidelity chain is
the listening room. The room it-
self does not listen, but is called
a Listening room because it con-
tains a Listener.

Yes. The Listener is the heart
of the high-fidelity system, and
is noted for having high distor-
tion,多人 frequency response,
marginal stability, and arbitari-
ary variable performance charac-
teristics. Listener instability is
the most common form of defect
in a high-fidelity system, which
is why manufacturers recom-
end that the ears be checked per-
odically to ensure that they are
meeting their specifications.

Defective ears may be caused
with anti-static spray, or may be
replaced by a microphone and
occlusion.

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