

# Parents Brush Up On College Life

Approximately 240 parents of new Caltech students will visit the campus Saturday for the annual Parents' Day. Over 100 frosh have indicated that one or more of their close family members will attend. In addition to a large contingent from Southern California, parents will attend from as far away as New York and Ohio, with over 20 expected from Texas.

Parents' Day was conceived 10 years ago to give the families of freshmen an introduction to Caltech Student Camp. Purpose of the program, according to Dean of Freshmen Foster Strong,

is to make parents of students realize that Caltech stresses freedom for individual development

as well as enormous home work assignments.

Parents will register and receive name tags at 9:30 a.m. in Dabney Lounge. From there they will go to 201 Bridge where they will hear speeches on frosh life at Caltech by Deans Paul Eaton, Peter Miller and Strong, Professor Ray Owen and Master of Student Houses Robert Huttenback. Most of the freshman section teachers will also be introduced at the morning meeting.

Professor Frederick Lindvall will be master of ceremonies at a luncheon at the Athenaeum at

noon, when section teachers will be hosts at parents' tables. Professor Robert Sharp will give

the main speech at the luncheon.

Parents will be taken on guided tours of the campus Saturday afternoon, and there will be a football game between the Caltech and Pomona frosh teams at 2:00 p.m. in Tournament Park. After the tours, a tea is scheduled at the Athenaeum from 3:30 to 5:00 p.m., where parents will again have a chance to meet their sons' teachers.

On-campus freshmen are urged to invite their parents to dinner in the Student Houses at 6 p.m. Parents' Day meals are among the best served all year.



## The California Tech

Associated Students of the California Institute of Technology

Volume LXI

Pasadena, California Thursday, October 22, 1959

Number 5

# Ford Donates \$3.2 Million

## Jazz Stars Promise Good Time

### Norman Elected

Dick Norman is the new ASCIT business manager and will hold the position for the remainder of the current term. He defeated Dick Jones in a special election held last Thursday in which about 200 undergraduates voted.

### IH Exchange Plan Started

Several pairs of on-campus Techmen switched Houses this week as the new Interhouse Exchange Program got under way. The program, approved last week by the Interhouse Committee, gives students a chance to move into another House for approximately a term. Its announced purpose is to improve Interhouse relations and give House residents a chance to see how the other three-quarters live.

Students changing Houses will eat and sleep in their adopted home, and participate in its social program. They will not be eligible for athletic teams of either House.

For the time being, students interested in switching should make arrangements with opposite numbers in other Houses. A committee formed of the House vice-presidents may be set up in the near future to handle the mechanics of switching. There is a possibility that the program will be expanded to include Throop Club.

### Announcements

#### SAILORS, AHOY!

The Caltech Sailing Club will hold its fall meeting tonight at 7:30 in 206 Engineering.

#### A.C.S. MEETS

The American Chemical Society will hold its first meeting 7:30, Sunday, at Professor Norman Davidson's home. Interested chemists should contact Jim Farmer in Ricketts or Herb Rice in Fleming for information on rides.

### Previn, Rivers Join Brubeck, Lyman

BY MATT COUCH

Bill Stewart, KMPC disk jockey, will introduce the outstanding contemporary jazz stars of the ASCIT-sponsored Pasadena Jazz Festival, repeating his appearance as MC of last year's program. With the Jazz Festival a little over a week away (Saturday, October 31), the program is set — the Dave Brubeck Quartet, the Arthur Lyman Quartet, the Andre Previn Trio and Vocalist Mavis Rivers.

Tickets to the performance are priced at \$1.75, \$2.75 and \$3.75, with a 50-cent reduction on the two higher admissions for the Tech studentry. They can be obtained from representatives in the Student Houses—Stan Sajdera, Ricketts; Al Armstrong, Blacker; Joel Donnelly, Dabney; Uarry Sloss, Fleming; Lon Bell, Throop—the Caltech News Bureau, the JPL Welfare and Recreation Section, all Mutual Ticket Agencies, or by writing "Jazz Concert, Caltech, Pasadena."

#### Previn Trio Plays

Andre Previn, though still a relatively young man, is recognized as one of the motion picture industry's best composers and conductors, as an outstanding recording artist, and an accomplished pianist. His career has been often described as "a fabulous success."

Born in Berlin, Previn came to the U.S. in the early 1930's and settled in Hollywood. He graduated from Beverly Hills High School and went to work for MGM in 1945, where he has remained for 14 years, except for a short hitch with Uncle Sam.

During his stay at MGM, Previn has composed and scored 32 pictures. He has had five Academy Award nominations and actually received the "Oscar" in 1958 for "Gigi." He was Musical Director for two currently popular pictures, "Porgy and Bess" and "Bells Are Ringing."

Previn has released 12 albums, which include jazz versions of Broadway shows, such as "My Fair Lady," "Pal Joey" and



The Arthur Lyman Quartet (above), Andre Previn (upper right) and his trio, and singer Mavis Rivers will join Dave Brubeck at the Jazz Festival a week from Saturday.

"Gigi." His Press Relations Department states that his "My Fair Lady" album, on MGM label, is the best-selling jazz album of all time. Most of the Trio's releases since 1956, with Shelly Manne and Red Mitchell rounding out the group, have been on Contemporary Records.

As pianist and conductor, Previn has given concerts in most major cities of the country, and for seven successive years has made an appearance at the Hollywood Bowl. He is famous for his jazz concerts all over the U.S.

#### Mavis Rivers

Mavis Rivers, featured vocalist for the Jazz Festival, is definitely a "new" singing sensation. Her first audition record was made only a year ago. Her first album, "Take a Number," released last May, was recorded at Capitol Tower Studios in Hollywood with Nelson Riddle. At that time Riddle is reported to have described Mavis as "just great."

Mavis was born in Apia, Upolu, Western Samoa, of English, Chinese, German, Samoan, Swiss

(Continued on page 2)



## Aids Faculty Salaries, Lab Equipment

The Ford Foundation has granted Caltech \$3,200,000 to be used over a 10 to 15-year period for faculty salaries and engineering research equipment. The money is part of a \$19,050,000 grant to 10 colleges announced Tuesday by Ford Foundation president Henry T. Heald, as part of the foundation's program in support of science and engineering.

One quarter of Caltech's share, together with the income accrued from its 10 to 15-year investment, will be used for salaries for four new senior professorships in engineering. A similar amount, plus income, will be applied as salary or salary supplement for a minimum of seven additional assistant and associate professorships.

Another quarter will provide salaries for senior positions for four or five key professors now on the engineering faculty.

Approximately \$500,000, plus income, will be used to provide or construct equipment needed for faculty or graduate student research in engineering.

An additional \$100,000 is planned for use over a period of from one to three years for fellowships and loans to graduate students. Travel opportunities for Caltech faculty members will be expanded and encouraged with \$75,000 ear-marked for this purpose.

A final \$25,000 will cover costs of faculty members from other schools who come to Caltech for study.

The purpose of the Ford Foundation grants, according to Heald, are: 1) to help promote excellence on engineering faculties, and 2) to support promising plans for development of imaginative educational programs.

The Ford gift is not to be included in the development program funds which still lacks \$2,500,000 from a \$20 million goal.

## Chamber Music In 10th Season

Chamber Music Concerts, presented by the Division of Humanities, will begin their 10th season Sunday night at 8:15 in Dabney Lounge with a presentation by the Feld Quartet.

Sunday's program will include selections by Mozart, Kodaly and Brahms.

Admission is free and the concerts are usually over by 10:00 p.m., leaving students time to study afterwards.

Chamber Music Concerts "afford a most unique opportunity to hear live performances of chamber music literature performed by first-class professional players," according to Dr. Hunter Mead, Chairman of the Faculty Musical Activities Committee.



"Have you noticed anything strange about the new silverware?"

**Editorial**

**Now's The Time**

The Interhouse committee on new Student Houses is nearing completion of the first phase of its task. By next week they hope to have a number of formal proposals on populating the new Houses and on handling rotation ready to submit to the student body. These proposals will be printed in the Tech and discussed at a series of open meetings before final action is taken.

If anyone has any ideas or opinions about any phase of Student House life—rotation, population, administration or general basic philosophy—**now** is the time to make them heard. There will never be a better opportunity for making improvements in the House system.

Each House has two members on the committee: Hood and Pritchard from Blacker; Hamilton and Stromberg from Dabney; Soule and Howard from Fleming; Hirst and Sajdera from Ricketts; and Janzen and Bell from Throop. Talk to these men. Let them know how you feel. Tell them if you're interested in moving into one of the new Houses. Criticize rotation if you feel it deserves it.

Next week we hope to have the formal proposals. Don't say we didn't warn you.

**Brave New Worlds**

A word of commendation to the men organizing and participating in the new Interhouse Exchange program. Under this plan, men will live in other Houses for several weeks each term. Blacker and Ricketts have exchanged Tom Jovin and Bob Koh and other men are planning to make the change later on in the term.

All in all, it's a good way to meet new guys, absorb new ideas and improve inter-house relations.

**Hallelujah!**

The residents of the Student Houses welcomed back old friends this week—their silverware. Cheers greeted the announcement last Monday that kitchenette utensils could be left behind, that the loose-handled knives and bent-tonk forks that we have learned to love had been returned.

Only a select group knows where the silver spent its lonely week-and-a-half away from home because early Monday morning the 3600 pieces (except for a few still-missing spoons) were mysteriously returned to Miss Cheney's desk and the kidnapers ain't talking.

**A. I. D. Charities Campaign Hits Campus This Week**

Caltech's A.I.D. Fund Drive will run through the end of this week. The campaign, which is directed toward faculty and employees, parallels the Student Consolidated Charities Drive, which will follow later this year.

Posters publicising the drive have been put in front of Guggenheim, and faculty-employee representatives are in charge of collecting the funds. Proceeds will be distributed among several different charitable organizations, including the World University Service, Caltech YMCA, Red Cross, Heart Fund and other groups. This will be the only charities drive among Caltech faculty and employees this year.

Sixty-seven per cent of Caltech faculty members and campus employees contributed to the fund drive last year.

**Caltech Orators Take Awards**

Caltech orators Kip Thorne and Dave Jefferson captured three superior and three excellent ratings at a speech tournament held at the San Diego State College last week end.

Thorne received superior ratings in lower division extemporaneous and impromptu speaking, and an excellent rating in original oratory. Jefferson got a superior in upper division impromptu speaking, and excellent in extemporaneous and original oratory.

**BOC Members Plan Frosh Visitation**

A "visitation" of freshmen and new students is being planned by the Board of Control.

The Honor System will be discussed and questions answered in meetings between BOC members and individual frosh during the next few weeks.

The visitation program was initiated last year.

**MUN-CC Will Pick Delegates**

A Model UN Continuations Committee has been appointed by delegation chairman Cleve Moler. The MUN-CC, which is composed by Bill Bauer, Pedro Bolsaitis, Roger Noll and Moler, will be in charge of choosing the delegation to attend the conference in April.

Announcement of the country to be represented and the number of delegates to be selected is pending receipt of that information from the University of California, the host school.

**Fellowship Hosts Meeting Tuesday**

Tuesday night, Christian college students from several schools will gather for a time of singing, sponsored by the Caltech Christian Fellowship, the P.C.C. Christian Fellowship, and the Nurses Christian Fellowship of Huntington Hospital. There will be opportunity for worship through hymns and for informal fellowship with students from other schools. The place is 87 Congress St., and the time is 7:30. For transportation see Clark Benson, Ricketts.

**Jazz Festival**

(Continued from page 1) and French ancestry, reports Capitol Records. Though Mavis first came to the U.S. in 1953, she had had considerable previous contact with Americans, since she lived in Pago Pago, a G.I. staging area, during the war.

**Tech Slates Radio Series**

In cooperation with radio station KFI, Caltech is producing a series of weekly programs entitled, "Atomic Age Answers," on Wednesdays from 7:05 to 7:30 p.m.

The series, a question and answer format, is directed for educational purposes, and high schools and junior colleges in the Los Angeles area will be notified of the program and subjects to be discussed.

The next two speakers will be Edward Zuoski, assistant professor of jet propulsion, October 28, and Alfred Ingersoll, associate professor of civil engineering, November 4.

**STRAW VOTE. Poll the gang... you'll see. On the campus, too, where there's life... there's Budweiser.**



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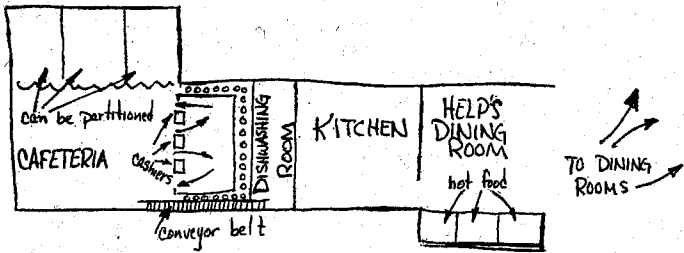
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# BRIGHT LIGHTS .. COFFEE ... ... AND SHOES

by griffen



New Student Houses' Dining Room-Cafeteria combination.

In her two years at Caltech, Marjorie Cheney has become, what we in the trade call, a living legend. When I interviewed her last year as part of the California Tech's "Hate the Student Houses" campaign, I really had no idea what grand plans the energetic, but modestly quiet, dietician had in mind for September, 1960.

As I entered her simple, comfortable office for the first time in many months, I realized that my cheery friend had not changed a bit since my last visit. Her latest project, she told me with a subtle snicker, was to see just how many hours she could get the waiters to work for the customary 45 minutes' pay.

"Well, Boss Cheney, I hear you're takin' over the new houses."

She took a deep draw on her 20th cigarette of the young day; then nervously put it out in the overflowing ashtray. "The New Student Houses? Yes, I will definitely be manager of the Houses themselves." The interpretation of this statement is two-fold: Either Cheney will be

just the manager of the three new Houses or she will run both the Houses and the combination dining rooms and Greasy Spoon. The next question was obvious:

"What about the, uh, well, dining rooms? Isn't the Greasy under the management of Mrs. Lyall?" She took a very long draw on the first cigarette of a new pack and then smiled coolly and calculatingly through the smoke. "Let's just say that the cafeteria manager is undecided," she said with air of finality. The search had ended with a stone wall. I was about to try to coax out a last drop of information when I noticed out of the corner of my eye that the jaguars were snarling rather meaningfully. I changed the subject to the organization of the kitchen, cafeteria and dining rooms.

The cafeteria will be run under the scramble system, which means that it will simply resemble a supermarket. (See cut) The short order counter will run until 12 midnight and will be taken off the main kitchen, so the food will not be of essen-

BY PIERRE SUNDBORG

Heathkit's familiar old FM tuner will no longer be seen in the ads. The \$26.95 FM-3A has been replaced by the \$34.95 FM-4. Noting that the new model features AFC and the "new look" in cabinets, I took money in hand and ordered one. Shipping took seven days, construction only one. I've been using the tuner for three weeks, and have made a few observations which might interest you.

This tuner is a tremendous improvement over the old FM-3. It utilizes a silicon diode power supply, thus getting rid of the old hot-running rectifier tube and its appurtenances. The chassis layout is considerably better. On the i.f. section, for example, it is possible to bend over nine transformer lugs and solder them directly to the tube pins, without using any wire. The rest of the wiring is pretty much point to point. About five feet of wire did the entire job.

### Tuning Unit Pre-wired

Construction is a breeze. Because lead lengths in the u.h.f. section are critical, as some FM-3 builders learned the hard way, the tuning unit is pre-wired at

tially different stock in the cafeteria than in the dining rooms.

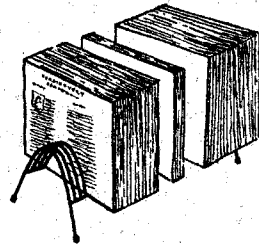
Boss Cheney also made the unequivocally definite guarantee that the cuisine in the new student house kitchen will be of the same remarkable quality as that of the old. The same menus will be imposed in all seven of the Houses. It will also be possible, if a meal is missed, to get the identical delicacies in the new cafeteria.

# Positive Bias

the factory. All you have to do to put it in the circuit is solder five leads, a real boon to the novice or the man in a hurry. Slug-tuned coils have been substituted for the old variable capacitor, making stability a little greater than before.

There is no automatic gain control circuit in the tuner. However, gain regulation is considerably better than in the old model, which did have such a circuit. The i.f. amplifiers, designed to operate as amplifier-limiters, do a good job of keeping outputs from several stations to a constant level. This feature makes tuning simple, as you don't have to play with the volume control.

Audio output is taken from a cathode follower with 600 ohms



impedance. There is no high impedance output as there was on the FM-3. The low impedance makes it possible to put the amplifier in one room and the tuner in another, or to drive several amplifiers from the same tuner. The only place I can think of where this might be valuable is in the Blacker music system. If you are an experimenter and don't want the cathode follower feature, you have an extra triode section to play around with. There is an outlet jack for multiplex stereo, but some sort of multiplex adaptor will be necessary for

stereo/reception, and I assume that Heathkit will put one out when the time is opportune.

### New Tuner Distortionless

The automatic frequency control works as it should. The old tuner used to drift off frequency with very little provocation, producing huge amounts of distortion. This new one really locks onto a station. I've always had a secret dread of those insistent, irritating alarm clocks. So, I use my hi-fi system as an alarm, putting an electric timer clock in the a.c. line. With the old FM-3 I used to awake to a room of full fidelity distortion, caused by the tuner's trying to tune in a station a full megacycle below the station it had been listening to the night before. With the FM-4 all is copiousness, as the AFC virtually corrects for all drift.

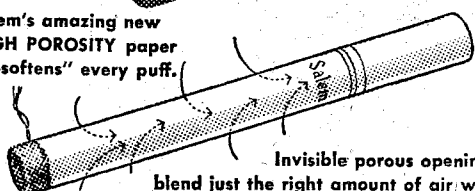
I haven't been able to compare this kit with the popular Eico and Knight FM tuner kits. I suspect that it is as good as they, and probably a little better engineered. I'm satisfied and recommend it to anyone looking for years of good music at a price equal to that of 9 LP's.

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# Eighty Days Around The World

BY TOM JOVIN

Since the title of this article might lead the reader to believe that I'm reviewing a recent movie, it might be best for me to offer a brief explanation.

As a junior at Caltech last year, I was named a recipient of a Dupont Travel Scholarship. The award was based on a project I presented for a study of indigenous medicines in the Orient. This particular field is not one generally treated at Caltech and my proposal managed to lift some educated eyebrows. But actually, the original source of my inspiration was local, for in the mysterious rituals performed by Swami Huttenbach, a renowned expert on Indian and Pakistan systems of philosophy, I perceived the promise for a better and fuller life.

On a more serious vein, however, one might well ask why I didn't choose instead to make a study of coral reefs at Cannes, or determine the rates of soil erosion in the various sections of Paris. After serious deliber-

ation, my fiancee convinced me that the vast social, political and economic problems in the Far East were more worthy of consideration.

Accordingly, I put off my examination, packed 12 pounds into a satchel, and armed with a sheaf of documents attesting that I was not a professional revolutionary and had never had rabies, embarked upon my journey to my first stop in exotic Southeast Asia, Hawaii. The date, June 20, a great day for a humble native from the wilds of South America.

But, what was the object of my search? Where was I heading and why? I answered these questions personally by use of the empirical approach. My itinerary consisted of a series of open dates on a book of plane tickets, my security a well-treasured package of traveler's checks. And as further insurance, I carried a digestive system well used to the vicissitudes of diet and the fauna therein.

Indigenous medicine, I have

stated, was the essence of my project. In self-defense, I must admit that I am a member of the elite section of the student body, the pre-meds. My fascination for the human body and its processes has always led me into less-known fields of interest. And the Orient, in particular, offers the student a rich variety of philosophies, of medicines and ways of life.

India was to be the focal point of my travel project, because of two major reasons: a) she is a major political and economic power, and b) she lies exactly on the other side of the globe, conveniently half way around the world. Her problems are

those affecting the greater portions of the world's peoples: overpopulation, illiteracy, cultural systems opposed to the forces and tendencies of modern civilization.

And the basic fact of the contemporary global situation is, in my opinion, that these very problems in all their implications are going to determine the immediate course of history. To see them at first hand is and was certainly a most enlightening experience.

As it turned out, my two and a half months abroad took me through Taiwan, Hong Kong, the Philippines, Vietnam, Laos, Thailand, India, Pakistan and some

areas in Europe. Through some stroke of luck, I managed to stay one jump ahead of major upheavals and natural catastrophes. Once or twice, however, I was almost forced into more direct participation in the making of history. Starting next week I shall describe some of these more exotic experiences.

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BY JOHN BERRY

Today the column will cover a whole family of drinks. One or two members of the Old-Fashioned family are known to you, no doubt. But how many others do you know about besides rye and bourbon?

Please understand that your writer has not tried all of the family. However, on the basis of the fact that all he has tried have been uniformly excellent, your writer has no reservations in making a blanket recommendation:

### THE OLD-FASHIONED COCKTAIL

- 1 jigger liquor
- 1 lump sugar
- 2, 3 dashes Angostura bitters

Dash the Angostura onto the sugar. Muddle with a splash of seltzer water. Add two cubes of ice, a twist of lemon peel and a cherry, if desired. Pour liquor, stir well and serve.

The liquor can be rye, bourbon, scotch, rum, applejack, brandy, Irish, or any of these, plus a half ounce of vermouth if you feel particularly adventurous.

Something your writer has found out is that use of simple syrup or an artificial sweetener eliminates muddling and makes a much smoother drink. Also in that case you don't need the seltzer.

Here is something that is popular on Miami Beach at the Fontainebleu Hotel. It was developed there but your writer thinks it worth pirating:

### COMFORT 'N TONIC

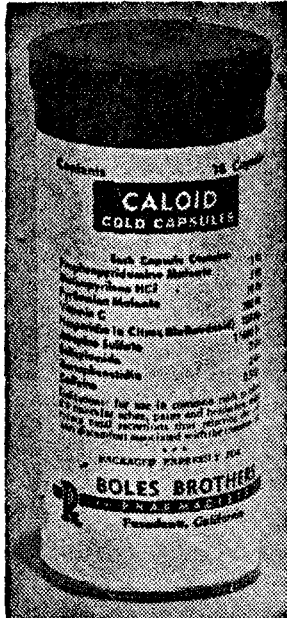
- 1 jigger Southern Comfort
- 1/2 lime—juice of (optional)
- Quinine water

Pour into hiball glass with ice

cubes, fill with tonic, stir and serve.

Southern Comfort is a peach-flavored bourbon-based liqueur developed in the U.S.A. A number of people who rightly claim to be connoisseurs of bourbon have told your writer that his liking of Southern Comfort shows an extreme lack of taste. His counter-argument is that a taste for Southern Comfort is unrelated to a taste for good bourbon; i.e., people who do not like bourbon will often like Southern Comfort and, if vice versa, so what. Port and vermouth are both made from grapes, but there's no law you must like them both, nor any correlation between appreciators of one lacking taste for the other.

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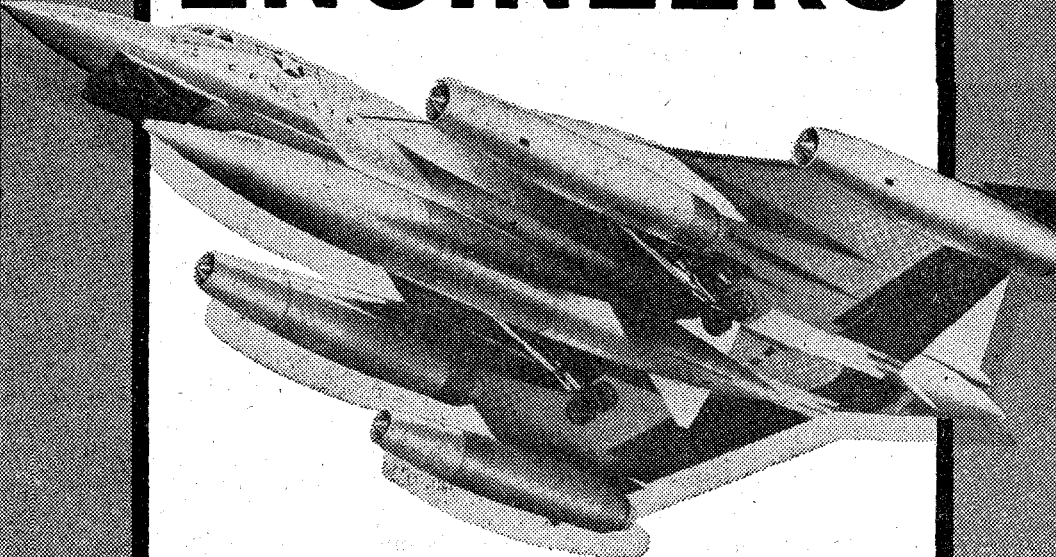
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October 29th and 30th

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# The California Tech SPORTS



**Beaver Chips**  
By Noll and Koh

## Footballers Drubbed, 34-14, With First Half Onslaught

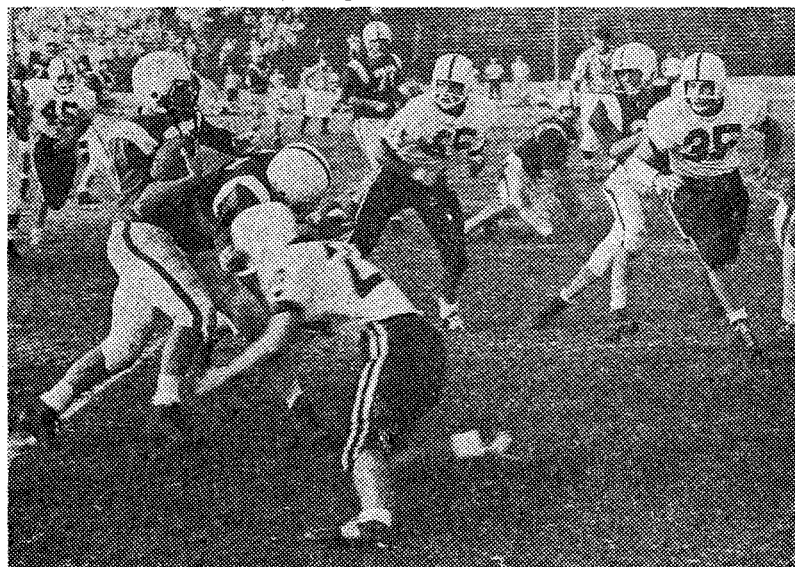
BY PETE METCALFE

Led by the fine running of former Techman Bob Ingram and fullback Don Spurgeon, the Pomona Sagehens scored four touchdowns in the first half, then held on for a 34-14 victory over Caltech.

Weakened by the loss of center Chuck Ray and tackle John Denyes, the Caltech line was unable to contain the Sagehens throughout the first half. Diving off tackle, the Pomona backs were able to pick up five to 10 yards at a crack until coach La Brucherie changed the defense during the second half. The Beaver secondary seemed to have improved a great deal over last week since the vaunted Randy Draper and Pete Rod were unable to break away for long gains. The other bright spot in the first half was Caltech's first touchdown of the season. Set up by a 38-yard pass to John Arndt, the six points were scored by wing back Lee Hood on a short pass. Quarterback Mel Holland kept the ball on a bootleg for the conversion.

### Second Half Different

The second half was a different ball game. For the first time this season, Caltech completely dominated the play. Unfortunately, they were unable to cash in on this superiority. The Beavers received the kick and marched 60 yards to the Pomona one-foot line where they lost the ball on downs. The Sagehens triumph was short lived,



Vince Hascall, sophomore halfback for Beaver varsity, cuts around end for good gain against Sagehens, as tackle Art Rubin throws key block.

for big Art Rubin stole the ball from a Pomona back and raced 15 yards to the one-yard line. Four plays later, unfortunately, the Sagehens again took control, this time one inch from their end zone. Two more Pomona fumbles, and Caltech finally scored on a 40-yard pass, again to John Arndt. The conversion attempt was broken up.

After another Pomona touchdown drive, the Beavers marched to the Sagehens' 10-yard line,

where a fumble checked their program.

If Caltech can maintain the progress shown in the last two games, next week's game with Cal Western could provide the Beaver's first victory. CWU's record has given a confusing indication of their strength. After showing startling strength in losing to Redlands 20-6 and defeating Occidental, they lost to

(Continued on page 6)

### ASCIT Pleads Ignorance On Sports Question

Last Monday, in an unofficial meeting held in Fleming lounge, the BOD decided to remain officially noncommittal on the question concerning the recognition of several new sports, such as sailing, skiing, etc. The Board members who favored this neutrality did so for two reasons: (1) they did not have enough information to make an intelligent decision, and (2) it would be "politically unwise" for the BOD to take a stand. The Board did decide to commission its two members that also belong to the Athletic Council, Carl Gottschall and Tom Jovin, to bring up the matter at the next meeting of the Council, and here express the opinion that the Board members, in general, favor the new proposal.

First, let's look at the reasons why the Board refused to take an official position, neither of which seem very valid. The BOD says it does not have enough information; we ask, what other information is there to be obtained? The Board has been told that the Sailing team participates in a regular conference as a representative of Caltech, that more students participate in Sailing than golf or cross-country, that they are financed in part by the athletic department already, and that, in essence, they are, right now, a regular sport except for the fact that they receive no PE credit nor athletic awards. This is as much as, or more than you can say about any other sport at Caltech.

The Board also speaks of political expediency. What this means is that the Board feels that if it were to take a positive stand in this issue, it would actually reduce the chance of the issue being accepted. This also seems somewhat absurd. In all the committees we have served, never once have we felt injured, insulted, or rendered less powerful because someone else recommended a solution to a relatively important problem. It doesn't sound reasonable that the ASCIT BOD is that low in the prestige department.

All in all, the big fight that has developed over the new sports classification is quite silly. As was stated above, any club at Caltech can become a virtual sport by doing what the Sailing Club has done—join a conference and get financing from the athletic department and ASCIT. The only thing they really lack is athletic awards and PE credit. Since ASCIT itself must approve and pay for the athletic awards, it should be their power to decide which sports should be eligible for the awards, regardless of any policy decision on behalf of the athletic department. In light of this, it is inexcusable that the ASCIT Board should pass off this matter so lightly.

### Beavers Finally Get Cross-Country Coach

For the first time in the modern history of the sport at Caltech, the cross-country team has a full time, experienced coach. Walter Mack, former captain of the Michigan State cross-country team for two seasons and a 1947 Spartan graduate, took over the coaching duties last week.

Although he had never before seen a Caltech team in action, Mack, upon hearing that Athletic Director Hal Musselman was desperately searching for a coach, applied for the job and was eagerly accepted.

Mack is one of the few Beaver coaches with actual big time experience in the athletic world. He started college in 1941 and became captain of the frosh track team before he was called into the service during the war. After catching a burst of machine-gun fire in his right foot, he returned to MSU to become one of the best cross-country runners in the nation. He placed ninth in the NCAA championships his senior year, and anchored the Spartan medley relay team in their victory in the 1946 Drake Relays, one of the top three relay meets in the country.

Since retiring from active competition in 1949, Mack has gained coaching experience with several high schools and AAU groups in Michigan and New York. Like most American coaches, Mack uses the principles of European coaching in an abbreviated form to correspond with the shorter American season. Accustomed to eastern weather, the new coach says that the year-round California heat, plus the rather flat terrain, makes training more difficult. This factor, plus the fact that Caltech cross-country is used primarily as a conditioner for the track season, may make Mack's initial season an arduous one.

### CFSAFST Scores Two Lucky Wins

The Institute's winningest athletic organization, the Caltech Faculty, Staff Alumni and Friends Soccer Team, has hung two more scalps on its victory belt.

Actually they had to scalp the Caltech JV's twice to do it. Two weeks ago the CFSAFST ran over the relatively inexperienced JV, 8-1. Last Saturday the Senile Seven Plus Four, as their close friends call them, took a 6-1 victory by scoring five times in the closing minutes of play.

Coach, organizer, star and publicist Bob Huttenback is looking for other teams willing to take a dive — or, ah — a defeat.

### Soccer Squad Takes Gas From UCLA

Powerful UCLA hammered its way to a 3-1 victory over the outmanned Caltech soccer team Saturday on the Bruin field.

Ellis Cumberback pounded in the lone Beaver goal midway through the final half.

Gary Osterberg, frosh standout, switched from wing to goalie and turned in a creditable performance. Two of the three UCLA goals were scored on penalty kicks and the third came after a prolonged scuffle near the goal.

Hampered by a lack of substitutes, the Beavers were on the short end of a 1-0 halftime reading.

Next conference tilt for the Caltech squad will be a home game against Redlands, Saturday.

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# Water Polo Squad Takes Redlands, 6-3

Caltech's water polo outfit successfully opened the league schedule and also annexed their first win of the young season with a 6-3 victory over Redlands last Tuesday.

With the score notted at 2-2 at halftime, two quick Beaver goals pushed the winners permanently ahead.

Bob Ruby and Doug Dunham topped the scoring column with two goals apiece.

Ruby and Dave Tucker dumped in the decisive goals early in the second half.

Coach Web Emery, faced with the loss of All-Conference goalie

# Basketballers See Good Year

Probably the best Caltech basketball team in several years began practice this week.

Twenty-one men turned out for the first workouts. Included were all the lettermen from last year's team who did not graduate and the entire first string from last year's frosh squad.

Top prospect is Fred Newman, who gained all-conference honors two years ago when he led the league in scoring.

Coach Gene Rock began practice earlier this year than he has in the past, in the hopes that his men will be in top shape by the beginning of the season.

# Football

(Continued from page 5)

Pomona 21-18 and, most surprising of all, were mangled by Riverside, 33-0.

## Frosh Creamed


Caltech's freshman grid squad, after holding a short-lived lead at the end of the first quarter, was totally battered into submission, 68-7, last Saturday by the Occidental frosh

Dave Barker flipped a long aerial to left halfback Chuck Ryavec to set up a first down on the four-yard stripe in the first period.

On fourth down, right half Jim Morrow took a hand-off from Barker and dived into the end zone for the only Beaver touchdown.

The point was good and the losers took a 7-6 advantage at the close of the first quarter. At halftime the score stood 12-7 and then the deluge, including a 42-point fourth quarter by Oxy.

Next game will be with Pomona this Saturday at TP.



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## Interhouse

# Scurvs Near Softball Win; Fleming Leads Cross Country

The Interhouse softball race remained unsettled last week as front-running Ricketts could muster only a tie with Throop, thus cutting their lead over second-place Dabney to half a game. Throop tied up the ball game in the bottom half of the last inning as scurv pitcher John Kessler walked his way into hot water, then balked the tying run across the plate.

Meanwhile, Dabney was staying right up there, winning two games quite handily. The darbs thumped Throop 11-3, and then crushed Fleming, 24-0.

The championship will prob-

ably be decided tomorrow, when Ricketts takes on Fleming in the last game of the season. Should Ricketts win, they couldn't possibly lose the championship, but if they tie or lose, Dabney could sneak home first.

## CROSS COUNTRY

On the cross-country scene, Fleming House jumped to a six-point lead in the first two of the three races, with Ricketts in second and Dabney a distant third. Throop and Blacker did not field teams.

The final race, this one 2½ miles, will be run tomorrow at 2:15.

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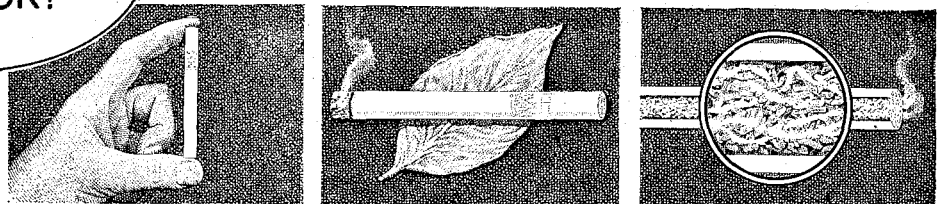
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