



The California Tech



Associated Students of the California Institute of Technology

Volume LXI

Pasadena, California, Thursday, December 10, 1959

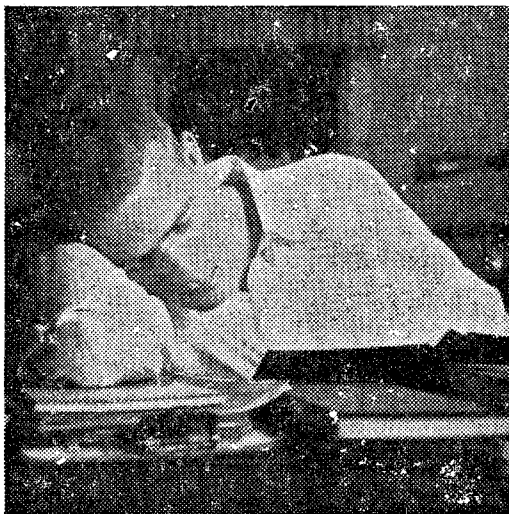
Number 11

Term Ends, Peace In Sight!

Students' Day Set Jan. 16

More than 1000 curious high school students will visit the campus January 16, the second Saturday of second term, for Caltech's annual Students' Day.

Ordinarily held early in December, the event was moved to second term to avoid conflict with the College Board Exams. Students wishing to participate as guides or exhibitors should contact Hal Stark, 68 Fleming.

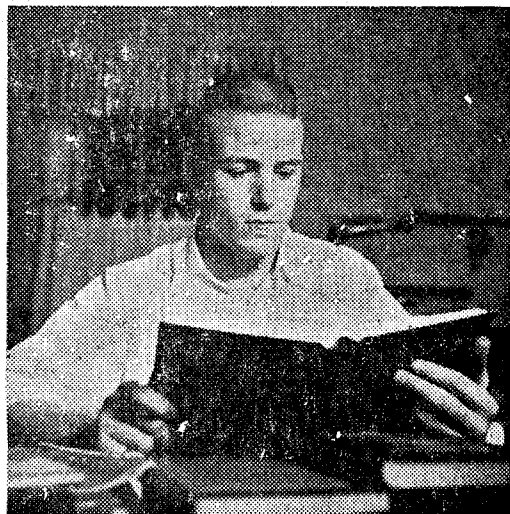


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Now I Lay Me Down To Sleep . . .

Final examinations for first term will begin Monday morning, it was revealed to the California Tech late yesterday by the Registrar's office. The announcement allows the ever-vigilant Tech to scoop the rest of the nation's newspapers by running the following story:

Special to the California Tech

By LEE MOLHO

MONDAY, 8 to 11: Ae 107a, 202 Gu; Bi3, 234 K; Ch 13a, 157 Cr; Ch 16, 208 G; Ch 143a, 157 Cr; Ch 144a, 151 Cr; CE 10a, 210 E; Ec 100a, 101, 102, 108 D; EE 3, 301 E; EE 103a, 130, 101 Ch; Ge 109a, 253 A; Hy 101a, 208 E; ME 15a, 206 E; PM 1, 08 E; Ph 1a, 201 B, 302 B, 304 B, 308 B; Ph 2a, 155 A, 206 D; Ph 111a, 119 K; Ph 112a, 22 G; Ph 203a, 264 B.

MONDAY, 1 to 4: Ae 110a, 202 Gu; AM 101a, 301 E; AM 180, 210 E; Ch 14, 22 G; Ch 41a, 151 Cr; Ec 2a, 130, 101, 168 Ch; EE 1a, 106 Sp, 206 E, 08 E; Ge 211a, 253 A; H 1a, 206 D; H 5a, 155 A; JP 121a, 208 E; Ma 5a, 119 K; Pl 101a, 101, 102 D; Ph 209a, 264 B; RF 1a, 069 Ke.

TUESDAY, 1 to 4: Ae 102a, 202 Gu; ChE63c; 102 Sp; ChE 163c, 102 Sp; Ch 125a, 151 Cr; Ch 127a, 208 G; CE 105, 212 E; CE 115a, 212 E; EE 15a, 206 E; EE 164a, 106 Sp; En 7a, 206, 210, 211, 202, 205, 310, 312 D; Ge 1, 155A, 199 K; Ge 274, 320 M; JP 200a, 208 E; Ma 1a, 130 Ch; Ma 2a, 101 Ch; Ph 108a, 201 B; Ph 227, 155 A.

WEDNESDAY, 8 to 11: Ae 101a, 202 Gu; AM 125a, 206 E; Bi 114, 102 K; ChE 68, 102 Sp; Ch 1a, 22 G; Ch 21a, 151, 157 Cr; Ch 126a, 101 Ch; CE 14a, 210 E; Ec 4a, 101 D, 108 D; EE 162a, 130 Ch; EE 170a, 104 Sp; Gr 1, 300, 301, 302 T; ME 3, 208 E; Ph 129a, 201 B.

WEDNESDAY, 1 to 4: AM 115a, 206 E; Bi 116a, 326 K; Ch 1a, 22 G; ChE 66a, 102 Sp; ChE 162a, Ch 227, 27 G; EE 140a, 106, 104 Sp; EE 160a, 08 E; Gr 1, 300, 301, 302 T; L 32a, 111, 109 M, 101, 102 D; Ma 112, 130 Ch; Ph 205a, 264 B.

THURSDAY, 8 to 11: Ae 103a, 202 Gu; AM 116, 206, 208 E; Bi 241a, 24 K; Hy 103a, 212 E; Ma 108a, 130 Ch; ME 16a, 210 E; Ph 131a, 101, 102 K.

THURSDAY, 1 to 4: Ae 204a, 202 Gu; AM 150a, 208 E; Ch 24a, 157 Cr; Ch 124a, 157 Cr; En 8, 310, 312 D; En 10, 205 D; H 15, 102 D; Pl 1, 108 D; Pl 2, 101 D; Pl 6, 208 D; TWA 707 NY.

Fiscal Report Shows Increase

In his annual report to the Caltech Board of Trustees (released Nov. 30), President L. A. DuBridge announced that the highly successful current Caltech development campaign has raised \$17.1 million of the \$19.5 million goal.

These funds assure Tech of 15 of the 18 projected new buildings. Unfortunately, as DuBridge pointed out, the funds yet to be contributed are set for some of the most vitally needed buildings — two undergraduate houses and a dining hall — and additional funds for faculty salaries.

Dr. DuBridge scored the efforts of the Development Committee, headed by Dr. Arnold O. Beckman, and added: "The basic factor that made success possible was the high reputation for excellence that Caltech has attained in the past 30 years."

The Annual Report contains a detailed analysis of the general financial condition of the Institute. All the graphs and charts are rising dramatically. In addition to the financial side of the report, there are sections on the off-campus facilities of Caltech, the administration, and the reports of the Chairmen of the Divisions.

Huge Windfall Hits Humanities; Graduate Students Hardest Hit

Caltech's Humanities Division received a \$330,000 grant this week from the Carnegie Corporation. The money will be applied — beginning fall term of 1960 — to a program of research and teaching in philosophy and history of science; anthropology, sociology and psychology, and the effect of science on public affairs. Courses taught under the program will be primarily for graduate students, although a Ph.D. program similar to that at M.I.T. is not planned.

The new humanities will be started by inviting outstanding scholars in humanities to lecture at Tech — either as newly appointed faculty members, as participants in forums, or as visiting lecturers. Responsibility

for the program will be divided between the Dean of the Faculty and Humanities Division Chairman Hallett Smith.

In announcing the program President L. A. DuBridge said: "We have for some time been asking ourselves whether we should extend our aims to include research and further educational opportunities in certain humanistic and social science fields, and whether we could thus increase our contribution to the intellectual fiber of civilization without sacrifice of our primary scientific and technological goals and standards. We now believe we see ways in which this may be accomplished, and we owe a great debt to the Carnegie Corporation for mak-

ing this opportunity available to us."

The program is supposed to bring about a greater integration of humanities and science. Dean Watson described it as follows:

"We are not necessarily thinking of what is sometimes described as philosophy of science; philosophy is the study of the whole world of which science and technology are important parts. The studies we propose are in the areas which are particularly relevant to the fields now cultivated at the Institute."

Twelve Men To Represent Tech at MUN

Twelve men have been chosen by the Model United Nations Continuations Committee to represent Caltech at the Tenth Commemorative Western College Model United Nations, April 6-9 at the University of California in Berkeley.

Tech's Israeli delegation will include Chairman Cleve Moler, Bill Bauer, Pedro Bolsaitis, Marty Carnoy, Brad Efron, Bob Koh, Dave Nissen, Roger Noll, Ken Scholtz, Lou Toth, Francis Wilson and Clyde Zaidins.

Sid Leibovich and Harold Thomas will act as alternates.

The group will hold its first meeting Tuesday, the day after second-term registration, in the Board room at 7:30 p.m.

Shakespeare Players Declaim For Juniors

As a climax to their term-long study of Shakespeare, English 7 class members yesterday heard readings by the New Vic Company of a few of the bard's famous scenes.

Highlight of the hour was the appearance of the female half of the company — Mayo Loizeaux. Miss Loizeaux was born in New York in 1938 and had five years of stage, film and TV roles behind her when she began her present work.

Richard Gray is the senior member and other half of the New Vic Company. He was born in London in 1923 and did his first work on the stage with Noel Coward.

The pair rendered scenes from



Richard Gray as Hamlet

Othello, Richard III and Henry V — plays which the juniors have been reading this term.



Mayo Loizeaux as Desdemona

Arrangements for the event were made by Prof. H. Dan Piper.

And Happy New Year

This is going to sound corny and trite, but read it anyway—and think about it.

Less than a week from now, most of us will be on our way home for the holidays. A lot of us will be driving, or driving with someone. Let's be careful.

It's getting so that when somebody says "Drive Carefully" or "The Life You Save May Be Your Own," we don't even hear them talking. (Probably nobody's reading this by now.) This is bad.

First of all, the people conducting safety campaigns are defeating their own purposes by repetition. But more important, we're ignoring the best advice we could be given—STAY ALIVE.

Last summer I was the first one on the scene of a tractor-car accident in Iowa. When I got there the tires of the overturned tractor were still spinning; the farmer was lying in the middle of the road, blood and crap just starting to ooze from his mouth onto the highway. I was really scared—it just as easily could have been me that hit him; it just as easily could have been someone I knew who got hit.

Going 70 between here and San Francisco instead of 65 won't get you there even a half hour sooner. And, admit it, there's a better chance you won't get there at all.

With all the holiday traffic and bad weather the next month is the worst time of the year to be driving, so be a little more careful.

See you next term? —cm

Ten Times Six Hundred

In this week's BOD minutes we came across an interesting proposal. The ASCIT publications committee is recommending that the salary of the editor of the Big T be increased from \$175 to \$300. What exactly is this supposed to accomplish?

Last year's Big T is six months late. (We've heard it'll be out next month.) This year's staff is already having trouble, especially with getting individual pictures taken.

Our biggest complaint about the yearbook is that it just isn't worth the money and effort that goes into it. Money especially; we pay almost 10 bucks apiece for the darn thing. This is in addition to several thousand dollars from advertisers.

Very few Techmen are that interested in even a good yearbook. If you took the Big T assessment off the Institute bill and, instead, offered a yearbook for sale in the bookstore, you'd be lucky to sell 25.

Every year, the Board has trouble finding someone willing to be editor. This is no reflection on the men who eventually get the job; it's just another indication of the complete lack of student body interest in the Big T.

Yet increasing the editor's salary isn't going to solve the problem. It'll just be throwing good money after bad.

Our suggestion is that the Size, Format and Philosophy of the Big T be drastically changed. It's unnecessary to run two pictures of every senior. Cut down on the faculty, sports, club and activities pictures. Cut out the individual House members' pictures; run group pictures instead. In short, make the book much smaller, much easier to put out, much cheaper. (Maybe eliminate it altogether.)

Until we at least talk about improving the Big T, let's postpone a decision of the salary question.

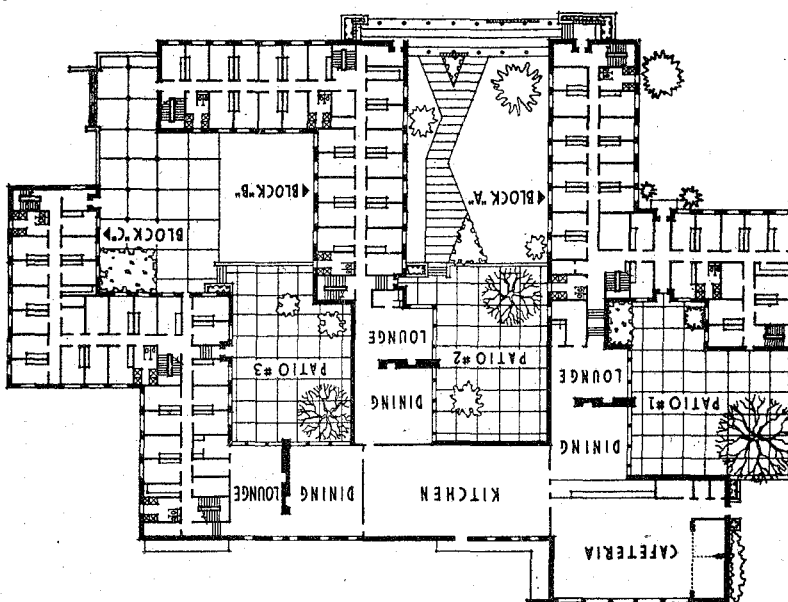
—cm

A Modest Experiment

While everybody is in the mood for experiments, we'd like to suggest one of our own.

Next year, why doesn't the PE department have a one-year experiment of not requiring physical education for seniors?

Speaking Of Pictures



New Student Houses as seen from San Pasqual.

Drama Club Reorganizes

BY ROBERT POE

The organization meeting of the Caltech Drama Club will be held tonight at 7:15 in 206 Dabney. At this time elections for officers will be held, and plans will be discussed for the coming year.

The group hopes to make itself into a body quite different from previous Tech drama clubs. It will attempt to be not only the producer of the annual ASCIT play, but also an organization devoted to serve the interests and promote all forms of dramatic activity on this campus.

Its programs will include frequent readings, some of experimental nature, of plays of interest to the group. It hopes to stimulate the writing of original scripts from the student body. The Drama Club will produce any good original script submitted to it.

Part of its function will be to organize theater parties at reduced rates for students and also to post on the bulletin board various theatrical attractions around town.

The faculty sponsor will be Dr. Kent Clark, who is confident that this group and its ambitious program will prove stimulating to its participants and to the entire Caltech community. Anybody interested in any phase of theater, not only acting, is encouraged to attend this meeting.

Announcements

TOTEM!!

This year's first edition of beloved Totem will be distributed during second term registration, January 4.

FRIDAY WITH FITZGERALD

Professor of English H. Dan Piper will give the Friday evening demonstration lecture this week about "F. Scott Fitzgerald —The Cost of Fame."

Edwin Pearl Presents

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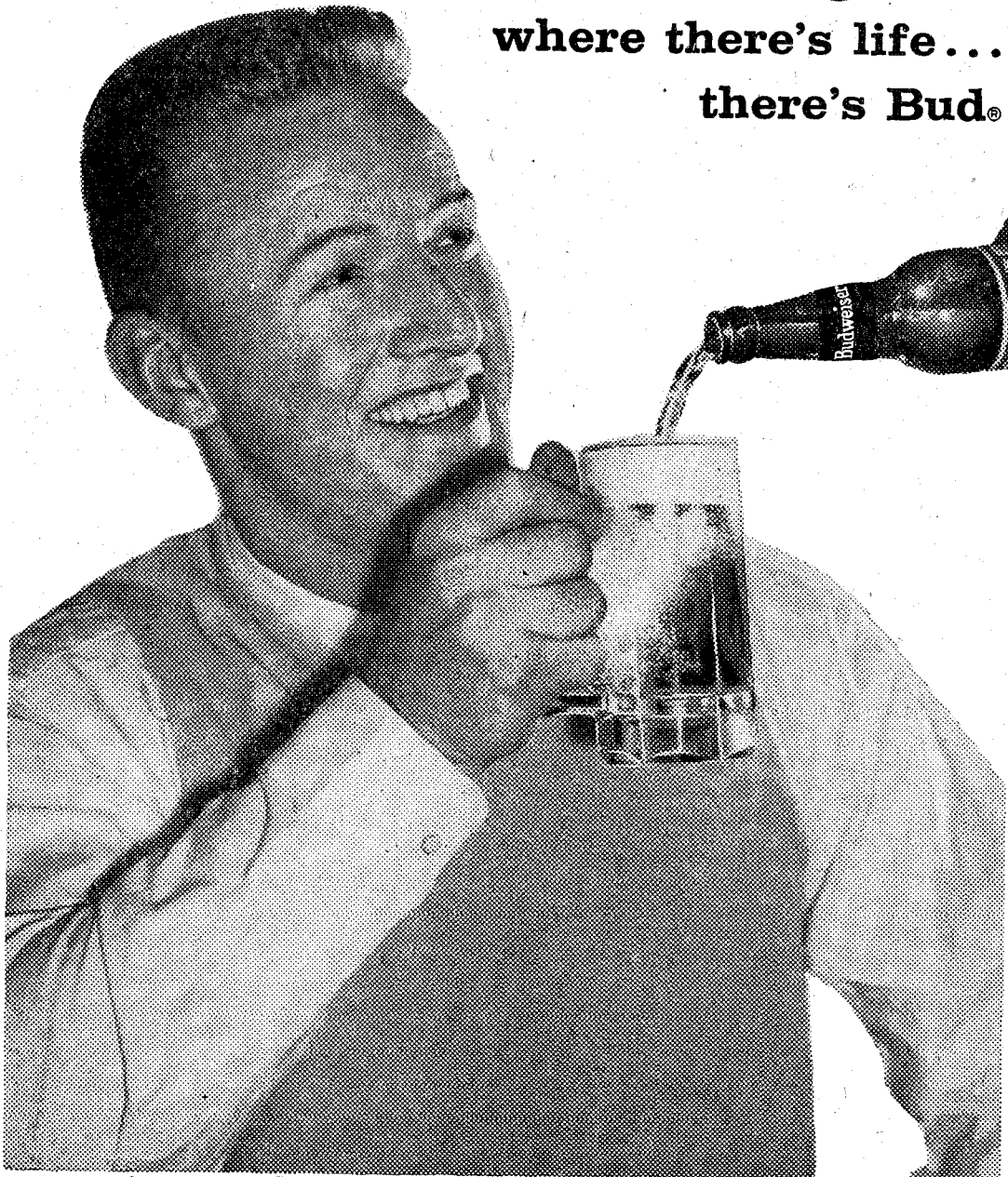
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The California Tech

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**BRIGHT LIGHTS ..
COFFEE ...
... AND SHOES**

by griffen



Next term, in keeping with the Caltech policy of more humanities, less required engineering, the California Tech is sponsoring a new course: En 83 — "Interpretation of Griffen by the Author." The course will consist of Thursday meetings in the B&G storeroom with or without dates, at about 9 p.m. Themes, due every week, will attempt an understanding of obscure writing in the day's campus newspaper. They will be graded on neatness, originality of thought, and quality of date brought to class. Since there are no files on this course, a sample final is given below:

En 83 FINAL Closed Book

One hour

1. Identify all of the following, expressly in their connection with the rotation controversy. Personal habits, unfounded rumors (preferably slurs), and colored opinions may be given for extra credit. (10 points)

- | | |
|--------------|-----------------|
| Lon Bell | (Fig) Newton |
| Art Rubin | Dennis Couzin |
| Brad Efron | Cedron Jones |
| Leon Denbeck | F. W. Maxstadt |
| Cleve Moler | Richard Feynman |

2. What does the sentence, "... Rasputin would now be known as Madame Grigori Margovitch, for Studentkin must be kept happy and there is only one way ..." mean?? (25 points)

3. Who is the editor of the LITTLE k? (-5 points)

4. Name five girls living in the Los Angeles area who are over eighteen and whom you consider to be beautiful, giving phone numbers, approximate height, addresses, and any other information that you feel is worth a few points. (25 points)

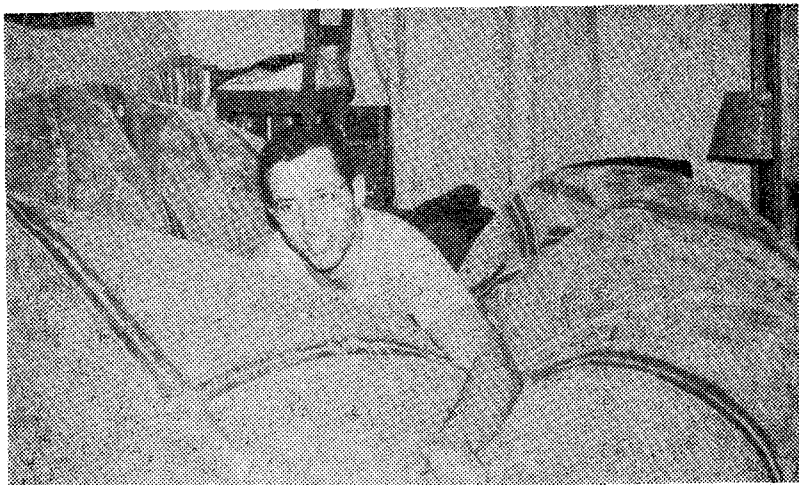
5. In your own words, describe the present situation of the new Student Houses, including appropriate names, committee heads, votes taken, etc. Present situation is as of 11:00 a.m., December 10, 1959. (15 points)

6. If you were given \$1000 (American), a dietician from Minnesota, and two weeks vacation, where would you go, and what would you do? Give specific reservation dates, towns, names you would go under. (15 points)

7. If you worked for B&G, how would you try to squeeze the students? Would you work for B&G? If you worked for the Student Houses would you try to get kickbacks from B&G on exaggerated estimates? Explain. (15 points)

* * * * *

Turn in your tests in the California Tech office for practice credit.



Answer to question 3.



By JOHN BERRY

Compare the first two drinks of today's column and you will have another example of why your writer changed allegiance from gin to cognac:

"B" AS IN HIVE

- 1 jigger Cognac
- 1 teaspoon Honey
- 1 teaspoon Lemon Juice

Shake well with ice and strain into glass.

BEE'S KNEES

- 1 jigger Gin
- 1 teaspoon Honey
- ¼ Lemon juice of (i.e., 1½ teaspoons)

Shake well with ice and strain into glass.

The Bee's Knees was my favorite drink during my freshman year—and now I can't stand the stuff. Tastes change. But you might like it if you try it.

The last drink of today's column was invented in the Hotel Ambassador in New York and is one of the smoothest, sneakiest things I have tasted in a long time. I recommend it for use in getting the girlfriend drunk, but frankly I'm afraid of it. It is very difficult to know when to stop with this one:

THE EXTERMINATOR

- 2 oz. Vodka
- 6 drops pale, dry Sherry

Stir with plenty of ice. Strain and serve with a twist of lemon peel.

And don't say I didn't warn you.

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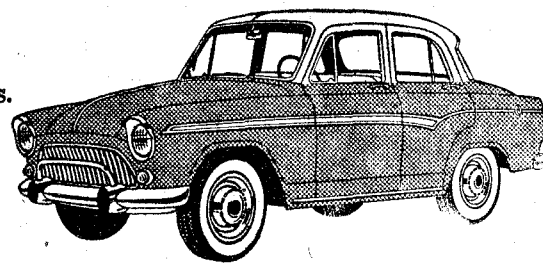
Most people on campus can use a car. But they're longer on learning than loot.

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CONCLUSION:

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Beaver Cagers Split Two Initial Contests

The Caltech basketball squad heads into the holidays with an even 1-1 record, after splitting a pair played last week end. The Beavers don't hit the courts again until the first week of next term when they host La Verne.

In a game played last Thursday, the Beaver netters easily trounced an outmanned Upland College crew, 77-39. Playing a calm, collected game, the Beavers took control at the opening tip, forward Len Maley dribbling

the length of the court for an easy bucket in the first three seconds, and were never tied again.

Top scorer for the Beavers was sophomore Roger Noll, who tanked 17 counters. All-conference guard Fred Newman shoved through 14 for runner-up honors.

Smooth Machine

The most impressive segment of the Caltech attack was the smoothness of the offense, with the team, especially the first string, making few errors. A good variety of offensive patterns kept the visitors baffled, as the Beavers grabbed an early 10-2 lead, stretched it to 40-20 at the half, and then 62-28 at the three-quarter mark.

The only time the Uplanders really scared the local varsity was at the beginning of the second half when they scored the first eight points and pulled to a 28-40 count. But then Techmen poured it on, scoring 22 straight points and holding the visitors scoreless for nearly eight minutes.

Lose to UCR

The Beavers were not quite so sharp last Saturday at Riverside, bowing to the underdog UCR team, 58-46. Playing without the services of Fred Newman, who had broken two ribs in a soccer game the previous morning, and with the other starting guard, Larry Brown, slowed considerably by a stiff leg, the Beavers found it hard

(Continued on page 5)

The California Tech SPORTS

Beaver Chips

By Noll and Koh

Feeling a Little Jumpy Lately?

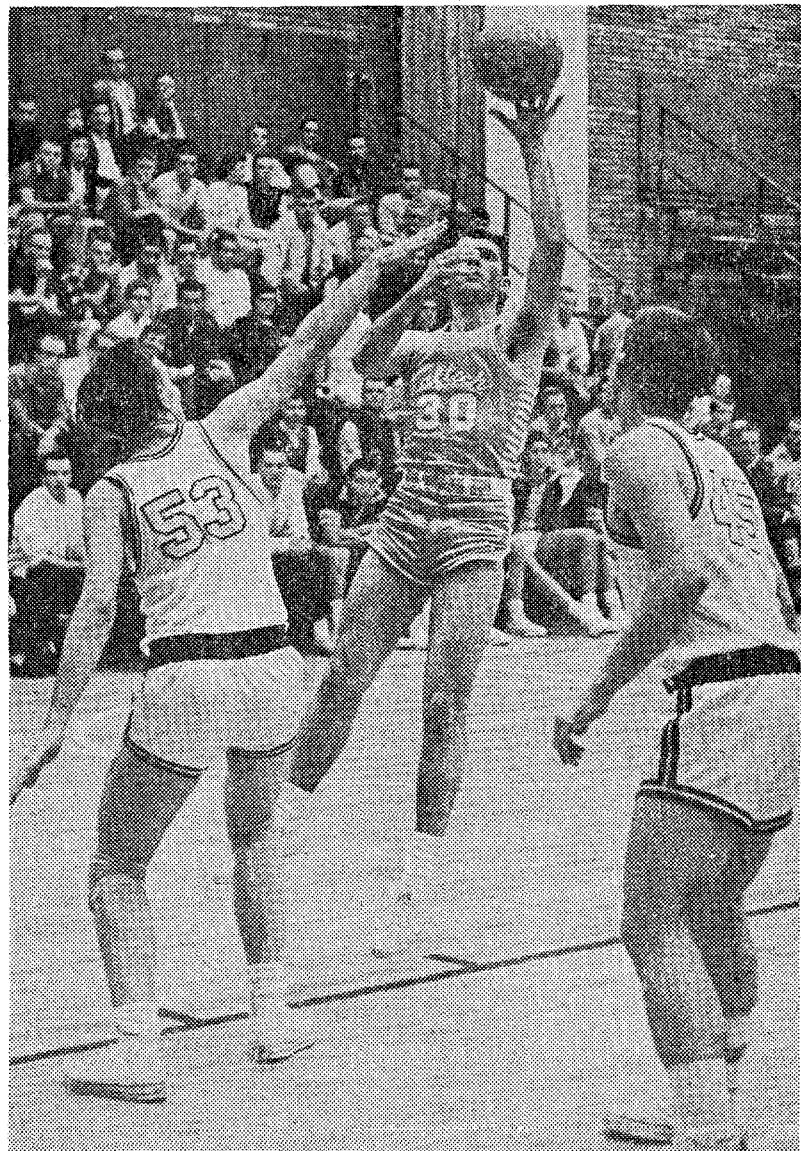
Last week the California Tech received some literature concerning a "peaceful revolution in the sky"—the rise to prominence of sport parachuting! The world's first sport parachuting corporation (named, strangely enough, Parachutes Incorporated) recently announced that they were opening a branch in Emmet, California, or nounced that they were opening a branch in Emmet, California, jumping for those already versed in the field, and a special group of courses for novices.

The list of courses reads like a college catalogue: there is a first jump course for beginners, and then several intermediate and advanced courses, such as Basic Free Fall, Advanced Free Fall, Maneuvers, etc. The elementary courses are \$30, with the more advanced courses running up to \$100.

The bulletin of the school contends that their parachute instruction is the best in the world. The purpose, they say, is "to teach the student what he needs to know in order to make a safe parachute jump and to instill a confident and rational approach towards parachuting." People who are not particularly athletic can learn to jump in one day.

Instructors at the school are very carefully screened, all having passed stiff requirements before being hired. The requirements include demonstrating the ability to make 360-degree turns in free flight, the ability to land within twenty feet of a preassigned target, and the ability to vary horizontal and vertical displacement while in free fall.

All of this sounds rather fascinating to us. The season opens in April, and the California Tech staff plans to hit the chutes as soon as possible! Anyone else foolish enough to try this contact Cleve Moler or Roger Noll for further details. And who knows, Caltech might become the first NCAA parachuting champ.



Caltech forward Dean Gerber leaps above two defenders to get away shot in Beaver-Riverside game. Beavers lost, 58-46.

Cross Country Squad Second To Oxy In Conference Meet

Caltech's fine cross-country team again demonstrated its worth as it swept to an unprecedented second place in the SCIAC league meet Saturday at Redlands. Only Oxy, with one of the finest teams in the nation, could finish better than the Beavers.

As good as this year's varsity was, next year's team should be much stronger since all of the above runners are sophomores. Several of the frosh will provide good depth for the team.

The league meet climaxed a previously undefeated, untied season for the thinclads.

Dick Tuft again paced the Caltech team, finishing sixth in the race. Bob Juola was, as usual, close behind and picked up the 10th spot. Al Whittlesey, Dick Harris, and Art McGarr, although less experienced than the top two Beavers, have shown fine improvement this season, and finished 16th, 18th and 19th, respectively, to round out the Caltech scoring.

The frosh were not quite as successful. Occidental won the race; Caltech finished fourth. Pat Early and Jan Dash led the little Beavers, garnering 4th and 14th, respectively.

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Nash's 141 East Colorado Pasadena

Holland, Hood Gottschall, Kwok Honored

Caltech's fall athletes were honored last Monday at the annual first-term Sports Awards Banquet, held at Brookside Country Club.

The highlight of the evening was a speech, accompanied with snapshots, by Oxy football and track coach, Chuck Coker. Coker recently returned from Africa where he spent three months last summer teaching various African tribes fundamentals of track and field events.

Master of Ceremonies for the evening was the perennial campus joker, Doc Jahns of the geology department.

Several trophies were awarded to the outstanding athletes in various sports.

The Wheaton Trophy, given the man or men who contribute the most to the football team in both playing ability and team morale, was granted to a triumvirate of fine seniors, Carl Gottschall, team captain, Mel Holland and Lee Hood.

The award given to the best soccer player went to Jim Kwok.

The cross-country team, after nabbing second spot in the conference, announced that sophomore Dick Tuft, the number one runner all season, had been chosen as next year's captain.

Sailors Whip Oxy, Gaze Eastward

Caltech's sailing team, pointing ahead to the Pacific Coast Championships during Christmas vacation, finished a respectable second to powerful Orange Coast in Sunday's invitational meet at Newport Harbor Yacht Club.

Santa Barbara, Oxy and Pomona-Claremont, in a last-place deadlock, rounded out the competing field.

Lowell Clark and Tom Bowman, top two Beaver skippers, piloted the boats with Dan Marks and Warren White as crews.

The Pacific Coast Championships, held at Newport as always on Dec. 19 and 20, will probably be a melee with Orange Coast looming as the only favorite.

Currently leading the Southern Series competition, Orange Coast is a heavy choice to take the title but California and Stanford are unknown quantities, with their only competition this year against themselves. If the Coasters, a junior college, win, then there will still be two places open to four-year colleges for trips East in the spring to compete in the nationals.

Beavers Good

The Beavers, placing high in all competition this year, stand a good chance of nabbing a top slot. Clark, Bowman, Keith Matthews and Doug McLane,

top Caltech skippers, will engage in informal competition after finals to determine the Caltech representatives in the A and B divisions.

Oxy, champs last year, are dependent on a good showing from brilliant but erratic Sue Exheley. Washington, runners-up last season, is now in a newly formed northern conference along with Oregon and the University of British Columbia. Other teams competing will be Santa Barbara, Pomona-Claremont and Cal Poly.

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Throop and Fleming are favorites to take the Interhouse swimming meet this afternoon on the basis of the preliminary

Basketball

(Continued from page 4)

to move the ball. This, coupled with a severe case of jitters, cinched the loss.

Riverside grabbed an early lead before the Beavers could get used to the strange court and leather balls (all other Caltech games are played with rubber balls). But the Beavers bounced back, and knotted the score at 24-all at the end of the half.

The second half was a real dog-fight until the last three minutes, with the teams trading baskets regularly, neither gaining a commanding advantage. With seven minutes left the score stood at 39-39.

Turning Point

At this point the Beaver's best player of the evening, Len Maley, was charged with his fifth foul and ejected from the game. The Riversiders then gradually took command, primarily by outshooting the Beavers at the foul line.

Top scorer for the Beavers was Len Maley, who sank 10 points. The scoring was pretty even for the rest of the squad, with five other men scoring between six and eight points.

The Beavers are expected to grab two quick wins at the beginning of next term, as they play La Verne, who managed to beat weak Upland by only 12 points, and Claremont-Harvey Mudd, who lost by a similar margin to Riverside, but played an excellent game to manage it.

meet held Tuesday. Showing strength in the free-style events behind the efforts of sophs Dick Zacher and Pete Rux, Throop also looks good in the 50-yard backstroke.

Fleming, which tied for first last year, again will make their annual bid with firsts in the butterfly breast-stroke and 100-yard freestyle. If the Flems make their expected good showing, the Interhouse standings will be scrambled since Fleming is now a close second to Ricketts.

Top swimmers in Tuesday's swimming trials were Rux with firsts in the 50-yard freestyle and backstroke, John Wilhelmy in the butterfly, Bob Heath in the 100-yard freestyle and freshmen Jeff Peters in the breast-stroke.

Double-qualifiers were Wilhelmy, Rux, Zacher, Bob Thompson, John Eskine, Mickey Lindner, Dave Nissen, Doug Dunham, and Don Fahline.

Discobolus

Dabney and Throop are tied for first place in the Discobolus standing.

The Darbs and Throop have four points apiece with Blacker close behind with three and Fleming trailing with one. Ricketts, the only team idle all term, will have the first challenge next term.

Fleming, last year's winners by a scant margin over Dabney, dropped a 7-4 softball game to the Darbs to initiate play this term. Throop promptly blanked the defenders 18-0 in touch football.

After Thanksgiving vacation interrupted proceedings, Blacker handily whipped Throop 12-0 in softball last Tuesday. This left Ricketts unable to challenge since Discobolus rules state that no challenge can be made within nine days of finals.



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