

High School seniors to swarm over Tech Dec 6

800 students and teachers to see demonstrations student exhibitors to show off campus activities

Preparations are now under way for Caltech's third annual Students' Day under the direction of Prof. W. R. Varney and a student and faculty committee. Students' Day will this year be held on the first Saturday of December, Decemebr 6.

Two years old

Students' Day was initiated two years ago at the request of ASCIT and the alumni, and was unanimously endorsed by the faculty, for the purpose of introducing high school juniors and seniors to Caltech, the education, and the research carried on here. Enthusiastic cooperation of both the students and faculty over the last two years has made past Students' Days very successful and has prompted continuation of the event. Evidence of its success is shown by the increasing number of students attending each year, with 650 invitations already accepted for this year and expectations for 1000, it will be bigger than ever.

By invitation only

Students' Day is strictly an **invitational event** since we cannot possibly handle the general public. Individual invitations have been sent by each of the Student Houses and Throop Club to science students and their teachers nominated by the principals of all the high schools within 50 miles of Caltech.

Forty-five exhibits, including many brand new ones, are now being readied for inclusion in the guided tours in the morning portion of the program. At noon the students and teachers will go to the Student Houses and Athenaeum for lunch where they will be addressed by two popular faculty members. The afternoon program will include 11 demonstration lectures.

More departments

The scope of activities has been expanded this year so that virtually every department on campus will be represented. Many exhibitors are still needed to help, especially CE's, ME's and EE's. Those willing to help out should see Bill Gardner, in room 73R, Al Haire in 47F, and Perry Vartanian in 9B for these respective exhibits.

Due to the small number of undergraduate Biologists, there is a shortage of exhibitors in that department, so anyone interested in running a Biology exhibit see Al Haber, room 70F. Also, 69 guides will be needed to escort and direct our guests around the campus. If you are willing to serve as a guide, please see Budd LeTourneau, room 50F, and Al Nichols, room 46B.

Ricketts men should see George Johnston, Dabney men, Nick Szabo, and Throop Club or off campus men, Ed Stofel.

Campus Calendar

THURSDAY, NOV. 20
3:30 Frosh Water Polo vs. Pomona at Claremont
4:30 Varsity Water Polo vs. Pomona at Claremont
FRIDAY, NOV. 21
3:30 Varsity and Frosh Cross Country vs. Pomona at Claremont
7:30 Friday Evening Demonstration Lecture, 201 Bridge
8:00 Varsity Football vs. Cal Poly at Covina High School
SATURDAY, NOV. 22
7:00 Varsity Basketball vs. Nazarene College at Nazarene College
SUNDAY, NOV. 23
8:00 Chamber Music Concert, Dabney Lounge

The terms ASCIT formal to come off this Saturday

Preregistration

All undergraduates who plan to return to the Institute for the second term must pre-register next week, November 24 to 28. Remember that next week is also Thanksgiving vacation, so be sure to pick up your pre-registration card at 119A Throop on or before Wednesday if you are leaving the area for the holidays.

Second term schedules will be posted on the bulletin board on the first floor of Throop. Pre-registration cards must be filled in and returned to 119A before Friday, November 28, the absolute deadline. Anyone who has not pre-registered will not be allowed to register January 5 for the second term.

Those who do not expect to return to the Institute for the second term should leave that information with Mrs. Duff in 119A, Throop.

If after pre-registering, you wish to change a course or section, report to 119A Throop before the end of this term.

Popular L. A. musician to provide music during evening from 9 to 1

The big formal dance of the season comes off Saturday night when Techmen and their dates journey to Altadena for this term's ASCIT formal. Maps of the route to the Altadena Town and Country Club, scene of the affair, are in all house lounges and Throop Club. The

ASCIT dance is open to all Tech undergraduates and no admission is charged. Costs are paid out of the student body dues.

Lagasse provides music

Benny Lagasse and his band will play for the event. Lagasse is a well-known Los Angeles musician and has played for many radio shows. He will provide music from nine until one for students and their dates.

Thanksgiving decorations

Cornstalks and pumpkins will be features of the Thanksgiving decoration theme in the ballroom, and a bar will provide refreshments. Decoration will be done Saturday morning by the Instituters. Bob Lynam, ASCIT First Representative, who is in charge of the event, says that anyone wishing to help with the decoration should see him in Fleming House.

Formal attire announced

Lynam has also announced that corsages will be in order for the dance. It will be strictly formal, with tuxedos or dark suits for the Techmen, and formals for their dates.

Fire, march aid Tech grid spirit

Pajama-clad Tech students, after a picnic supper and rousing bonfire in Tournament Park, made their annual trek through Pasadena, last Thursday, November 11.

Memories of the previous night helped brighten the enthusiasm of the Tech men. That night the Caltech student body successfully defended the bonfire and apprehended Oxy men as subjects for Caltech students of "Barbership" la. Through a skillful piece of driving Bob Ryle succeeded in capturing the marauding Oxy men in a gas station on Colorado Street.

Radio hookups

The Tech amateur club provided mobile communication for the defense of the bonfire. After a large "T" had been cut in the hair of each of them, the Oxy men were invited for breakfast by the men of Ricketts house, which they ungratefully refused.

Accompanied by a large body-guard of Pasadena City Policemen the cheering, enthusiastic Tech men made their way to the American Legion hall in Pasadena, singing and yelling, "To hell with Oxy! If I had a daughter," and other Caltech yells. Brandishing torches, the men marched to the hall followed by a large entourage.

Entertainment program

Chic Martin, western singer from PCC, performed to a cheering Tech audience. Following her were Molly Culbertson, Can-Can dancer (Bill Autry is still blushing over this), and June Borbas and Barbara Gifford, singers, all from PCC.

Stan Odgen in his "dragon" pajamas won first prize in the pajama contests; second and third were won, respectively, by

(Continued on Page 6)

AFROTC rifle team to open practice

Tech's AFROTC target rifle team is rapidly being organized and will start actual shooting soon. The chief difficulty now is to find times for practice that are convenient for everyone.

The rifles, which will probably be received next week, will be .22 cal. Remington Master Match 513T's, instead of the .22 cal. Springfields as previously reported. Ammunition will be free to those who have signed up to shoot.

Everyone who is interested in small-bore target rifle shooting should see Major Renth at the AFROTC office in T-1.



Upper: Pajamarino fire.
Lower: Caltech Barber College.

Ten to see Denver for speech tourney

Ten Caltech students will attend the Western Speech Association's annual tournament, November 24-26, in Denver, Colorado. They are Tom Bergeman, Jim Short, Bob Ryle, Martin Roth, Jim Enright, Kim Malville, Miles Nesman, Ray Orbach, Bill Lindley, and Myron Black. According to Dr. Lester McCrery the other schools entering will be gunning for Caltech since it piled up the longest list of undefeated teams at the Santa Barbara tourney.

YMCA fund drive collects \$450 in first three days

\$450 of the \$2600 goal of the Caltech YMCA finance drive had been collected as of Wednesday, when this paper went to press. W. H. Hershney, Y Executive Secretary, announced the total, which represents contributions from both faculty and students. The drive ends tomorrow, and all faculty members, graduates and undergraduates will be approached

for contributions by then. Even if the goal is not reached this week much more is expected next week.

Irwin Rubenstein, the YMCA treasurer, is in charge of the drive. Solicitation is being handled on a house basis, and off campus men are being approached in the classes. Al

(Continued on Page 3)

Bloodmobile to come after Thanksgiving

On the Monday after the Thanksgiving weekend the Red Cross Bloodmobile will be on campus. Collections will be from 1 pm to 6 pm in Dabney Lounge.

Appointments may be made through the Personnel Office and appointment slips will be in all the houses and Throop Club and should be returned to the Personnel Dept. In the timing of appointments undergraduates will be given first preference because of the pressure of classes.

Almost everyone at Tech should be eligible to give blood since the requirements are not extremely rigorous. Anyone between 21 and 60 years old who meets the physical requirements may donate. People between 18 and 21 except married women must get the consent of a parent or guardian.

A brief examination will be given by nurses. If it is thought inadvisable for a person to donate at that time he will not be accepted.

Glee practice

There will be a Glee Club rehearsal in Culbertson Hall on Tuesday, November 25, at 7:30.

Bloodmobile again . . .

Over in Korea, the government is supplying the soldiers with almost everything they need for fighting a war: guns, tanks, ammunition, airplanes, playing cards, chess sets, chewing gum, cigarettes, candy bars, etc. All of these things come out of taxes; but there is one thing that cannot be supplied out of taxes. Neither chemists, biologists nor government economists have figured out a way of getting blood from money. The only way that blood can be supplied to those men who need it is to take it out of the arms of people here.

On Monday, December 1, the Red Cross Bloodmobile will be here on campus. Nearly everyone here at Caltech can give blood if they will take the time and trouble. Last year Caltech bled so generously that there was trouble keeping the blood in the truck that came.

Remember that all donations are credited to the Caltech Group Participation Plan so that if anyone from Caltech needs blood he withdraws from the account just like a bank.

When the bloodmobile comes let's all be good bloodhounds; let's bleed for the ladies!

Secretary's report . . .

AFTROC vs. athletics

All members of the student body are encouraged to attend the Board of Directors meeting tonight at 7:30 in lower Fleming. There will be a discussion of the interference with athletic practice caused by the weekly AFOTC drill period, now held Monday at 4:00. It has been suggested that a recommendation be sent to the faculty by the ASCIT, suggesting a change in the time of this drill period.

Respectfully submitted,
George Johnston,
Secretary, ASCIT.

LETTERS

Editor:
No one would think of arson and larceny as a member of the group of activities sponsored by a college, but this is exactly what the Board of Directors is

doing in sponsoring the bonfire which precedes the Oxy-Tech game each year. Thousands of boxes, brought back through the Institute-directed work of freshmen, are burned each year, with a consequent loss to local
(Continued on Page 6)



Some say that pianists are human, And quote the case of Mr. Truman, Saint-Saens, on the other hand, Considered them a scurvy band. "Apelike," said he, "and simian, Instead of normal men and wimian."

—Ogden Nash.

Angostura

Last Thursday morn we saw the official opening of the Ricketts Barber College, presided over by master tonsorial artist, Dick Van de Houten. Dr. Van de Houten gave a demonstration lecture on "T" calligraphy, —big "T," little "T," "T" with fringes, "T" without fringes, etc. Seven (count them, seven) Oxy men donated their hair for this worthy enterprise, despite such piteous (sob!) tales as, "But I'm going to a formal Saturday night!" (But who'd want to go with you, Baldy? Bzzzzzz). Due

to the invaluable service provided by these men, the RBC is offering continued free service to all Oxy men.

Gold stars

Golden plaques this week go to:

a. Bob Ryle, who almost succeeded in convincing the local contabulary that the Sunkist Co. was violating our sacred Constitutional rights by stealing our boxes.

b. The Ricketts Machine, which railroaded Tom Bergeman to second place in the Great Pajama Contest, despite the fact that his pajamas would have made Dr. Watson's suit real gone by comparison.

Eagerian geometry

On Tuesday, senior ME's made the annual trek to San

California Tech

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Mail boxes

Off campus Freshmen, ESPECIALLY, should check the mail boxes in lower Throop daily.

Francisquito Dam. One group drove in Eager's twelve cars (evaluated on the basis of fifteen horsepower units). On the way down he demonstrated his driving ability by almost remaining on the not so straight, but plenty narrow road. At one instant several wheels hung over the twenty thousand foot drop, but Eager, feeling secure in his knowledge that two points determine a plane, managed to get back on the road. When one of his passengers meekly pointed out that it takes three points, Eager was seen to turn pale.

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SEC'S AT TECH

No doubt, most of you have seen the young lady on the right many times. Just a short wait on the main floor of Throop Hall will do the trick, for she is bound to be, either dashing busily by, or in her office preparing to rush out again.

Her name is Patty Stephen. Contrary to what I have just said, Patty remarked, "My favorite occupation is going to the coffee shop." As to her other interests, Patty "would like to be able to play golf," and she also loves to shop, as all of her friends will testify.

Miss Stephen is officially secretary to Mr. Green, the comptroller. A native Californian born in San Marino, she came to Tech in 1944, after graduating from Pasadena JC.

Patty is an "Ike" fan, and so was quite satisfied with the recent election. She claims she spends most of her spare time watching television, but with the shopping, golf, and all the rest, I wonder how much spare time that is.



Tau Beta Pi starts tutoring program

In an attempt to improve its tutoring program, TBPI has instituted a new service, one of extended help as opposed to aid on individual problems. The program, as explained by president, Earl Jacobs, is designed to give help to students who are having trouble with one particular course in the form of organized

man for sophomores and Jerry Pixton for the frosh.

Money collected on campus by the Y is used for the expenses of its large program. The Y budget this year is \$11,230, the balance is collected from friends, families, local Pasadena churches and the Institute.

YMCA services to those on campus include services offered at the Y headquarters in lower Dabney as well as the many discussion groups and similar services. This includes freshman and graduate luncheon clubs, faculty firesides, religious fellowship groups and forums. Last year over 150 meetings and discussion groups were sponsored by the Y. The YMCA also sponsors the student book exchange and the loan fund, and takes care of the campus lost and found. YMCA services to new students include the Frosh Tea Dance and the welcoming service for incoming freshmen.

scheduled sessions between tutor and student.

Although it is anticipated that fewer students will be reached by this method, it is hoped that those who need more help will get the greater attention. Anyone interested in taking advantage should contact the Deans or Bob Wood in Fleming House.

New Pamphlet Published

Another program which should interest most students, seniors in particular, is the proposed pamphlet, "The Next Few Years." This booklet is to contain a subjective survey made by the local chapters of the major graduate schools of Engineering and Science.

The plan is to give students who are trying to decide upon some grad school a little inside information, something not in the catalog, about the various institutions. Included in this report will be the results of a "Local Industry Survey" in which leaders of industry in this area were questioned as to the types of men they wished to employ, the job opportunities in their field, summer job possibilities and other pertinent information. This report should be out by the first of the year.

CAMPUS BREWINS

(Continued from Page 2)

On the way home Vidal fell in love with two wenches who passed his car on the road. When the driver, at Vidal's request, caught up again, our French lover was strangely quiet. A new desire had pervaded his whole being. On arrival at the student houses, he was seen madly rushing.

Luck out

Jerry Van Hoven falls in again. Seems he called up a girl for a date to the ASCIT formal, and received the information that she didn't have an appropriate dress. Most people would have been left at this

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YMCA DRIVE

(Continued from Page 1)

Helgesson and Van Walkley are in general charge of student house contributions. Van Walkley is chairman for Blacker House, Dave Clark is in charge for Dabney, George Moore for Fleming and Bill Gardner for Ricketts.

Ken Lunan and Kai Kristensen are in charge of the canvassing of all faculty members for the finance drive. Bob Stanton is handling the publicity, and Frank Dryden the speakers.

Contributions from off campus men are being handled by classes. Dave Stevens is in charge of senior contributions, Leon Shameson for juniors, Miles Nes-

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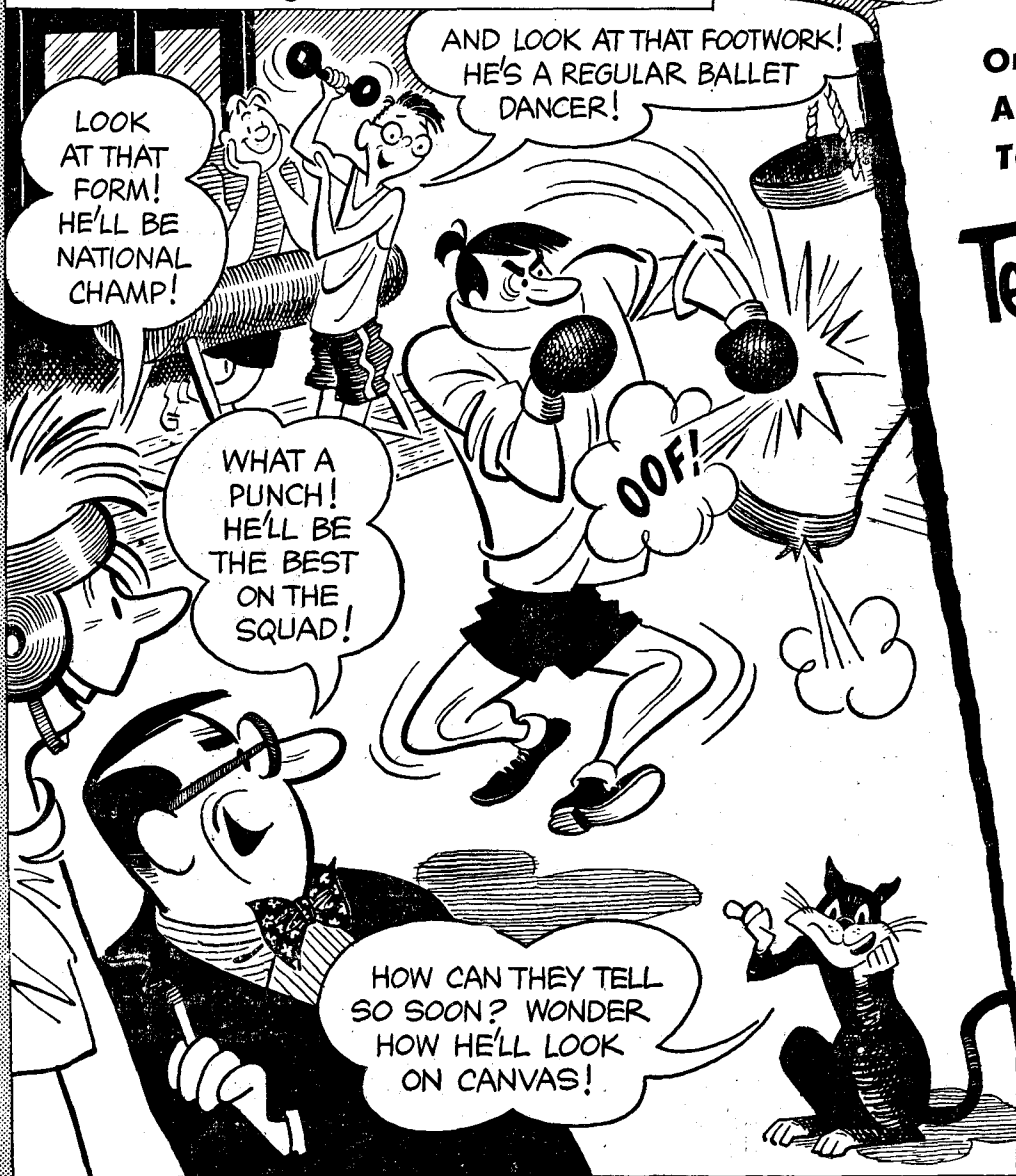
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(Continued from Page 3)

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point, out of luck, but not our boy Jerry. He wangled from her an invitation instead. We would like to know what the secret of this boy's success is. Stainless Stephanides was also present, and he and Frank Dryden set the criterion for impeccable behavior.

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Interview Schedule

Mon., Tues., Wed., DEC. 1, 2, 3. Dr. Glenn W. Giddings of Schenectady, New York will be on campus to interview PhD candidates. He is interested in interviewing men in the following fields: Chemistry, Mathematics, Physics, Electrical Engineering, Chemical Engineering, Mechanical Engineering.

Please sign for an appointment in the Placement Office, 120 Throop, as soon as

possible.

* PhD/Ae, EE, Ph, Ma. U.S. citizenship necessary. Mr. Robert O'Brien of Johns-Hopkins University Research Laboratories would like to discuss employment needs, opportunities, research projects, etc. with PhD candidates.

If interested please sign for an appointment in Room 120 Throop as soon as possible.

SPECIAL NOTICE

Mr. Edward Jones of the 12th Regional District - Civil Service Commission will be

on campus Friday, November 21.

Mr. Jones is interested in discussion opportunities and advantages in Civil Service employment. He will be glad to answer any questions—such as filing applications, salary scales, benefits, draft status, etc.

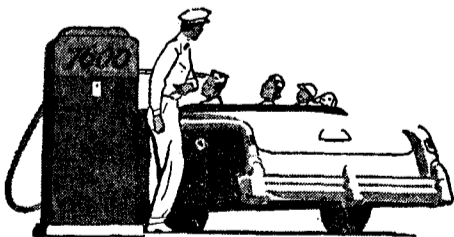
This is **not** an interview but a chance to become acquainted with all phases and possibilities of Civil Service.

Interested students are asked to see Mr. Jones in Room 150 Throop between 12:00 and 4:00 p.m.



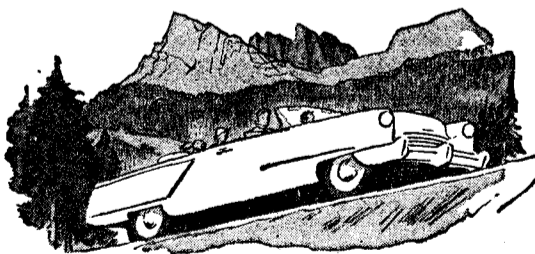
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Beavers lose spirited game to Oxy breaks

Defense and Ward sparkle to hold Tigers for three quarters

Caltech's Beaver football team lost another tough game last Friday night with Occidental College. The game was played on a sloppy, muddy field at Oxy's Patterson Field, with the final score being 22-12 in favor of the Tigers. The game ended the Beavers conference season with a record of no wins and four losses, thus putting them in last place.

Beaver defense

The Beavers played a rough, hard-fought game and again, as has been the case throughout the season, lost the game because of fumbles and mistakes. However, outside of their errors, they played the Tigers to a standstill and could easily have won the game. It was without doubt the Beavers' best effort of the season, and hopes are high this week end for a win against Cal Poly in the final game of the season.

The game started off with a bang as Matt Kurilich, the Tigers' star of the evening, returned the opening kickoff 85 yards for a touchdown. After this mistake the Beavers really settled down to play ball, completely smothering the Occidental offense the entire first half. While the defense was stopping the Tigers, offense went to work also. After having two drives stopped because of a fumble and an intercepted pass, the Beavers took the ball after Kurilich had missed a field goal try. Starting on their own 20-yard line, they marched 80 yards for a touchdown, the drive being highlighted by passes from Eric Ward to Moose Henderson. Ed Gehle went over from the 1 for the touchdown. The conversion try was blocked and the half ended 6-6.

Tech came out for the second half, took the kickoff, and marched 67 yards for their second touchdown. Ward passed to Neil Stefanides for the touchdown from 13 yards out. The score stood 12-6 for the rest of the quarter, when Oxy recovered a fumble on the Beavers' 8-yard line and immediately passed for the touchdown which tied the score.

This broke the Beavers' backs, and they faded in the last quarter after completely outplaying the Tigers for the first three quarters. Oxy scored twice more on a 54-yard touchdown pass and a 22-yard field goal by Kurilich just before the game ended.



Soccer men didn't win this week

No Game!

Due to inclement weather conditions Caltech vs. Thatcher Soccer game to have been played last Saturday, has been cancelled. This Saturday, however, Tech must rule a definite underdog to a powerful Cal Poly team from San Luis Obispo. Tech is still suffering from several infirmities to key men and the visitors are one of the most powerful teams in the perennially strong north.

Wednesday, November 26, will find Tech tackling UCLA in a crucial, on the UCLA field.

Pigskin Prognostications

	George Patraw	John Wall	Hal Musselman	Pete Merhinger	JJim Nerrie	Bert LaBrucherie
UCLA vs. SC	SC 3	UCLA 6	SC 7	SC 1	UCLA 7	UCLA 7
Minnesota vs. Wisconsin	Wisconsin 14	Wisconsin 1	Wisconsin 7	Wisconsin 3	Wisconsin 6	Minnesota 7
Michigan vs. Ohio State	Michigan 9	Ohio State 7	Michigan 7	Michigan 9	Michigan 13	Michigan 3
California vs. Stanford	California 28	California 14	California 14	California 7	California 13	California 17
Georgia Tech vs. Georgia — Nov. 29	Georgia Tech 30	Georgia Tech 21	Georgia Tech 7	Georgia Tech 6	Georgia Tech 7	Georgia Tech 14
Army vs. Navy — Nov. 29	Army 6	Navy 13	Navy 14	Navy 3	Navy 6	Navy 3

Bowlers!

Those interested in forming a bowling team should see "Moose" Henderson in Room 17 Ricketts as soon as possible. If he isn't there at the time leave a note

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Over the wall

By John Wall

As far as most are concerned the '52 football season is over at Tech. We lost to Oxy (and to five other teams). It is hard to give a reason for this poor season. All fall we, the sports staff, have blamed it on spirit, but this doesn't account for last Friday's defeat. I would like to blame it on lack of material, a key weakness, an unfamiliarity with a new formation, or a poor coach, but I can't.

Our coach has impressed the press, the team, and even the managers as one of the finest in the business. At Tech he doesn't win awards for "coach of the year" as at UCLA, but for my money the fault is not his. Tech just doesn't win enough games.

The team has looked like a unit all season and hasn't displayed rough spots that could be blamed on a new formation. Last week Tech showed it had everything: a pass defense, a running defense and offense, and a passing offense. The answer is not here. The only hope left is a lack of good material, but I fear I'll see few teams at Tech with better manpower. The line was big and experienced, the backs were fast and shifty.

What is wrong? I wish I knew. Maybe the gods had it in for Tech. Anyway, good luck on the last one, varsity!

Tips-N-Tails

by Dickl Millard

Winter has come to this area with surprising suddenness. The reports are confused and contradictory, but there is skiing of sorts at most of the local areas. There is still some warm weather due and the snow may be gone within a week or so.

The north

The picture for the Yosemite area is much cheerier. Mammoth, Squaw Valley, and Yosemite all have several feet of snow which should provide some good skiing for the present and a good base for the future.

Best buys

While the season isn't here to stay yet, it is time to patch up the old equipment and buy some new. The best wooden ski on the market is the Oslo model Kneissl: Laminated, perminate bottoms, plastic top edges and steer edges for \$57.50 or \$62.50 with hollow ground, interlocking, offset edges. For those that are financially unable to get a good boot Sandler has a new model for \$20 that is patterned after the better boots and is the best buy in this price range.

No Tech

Since next Thursday is officially the first day of Thanksgiving vacation, there will be no TECH next week.

San Antonio next

The Whittier cross country meet was postponed indefinitely after heavy rains flooded the Tourney Park course.

Both varsity and frosh will journey to Mt. San Antonio for a four and three-mile meet respectively with Pomona. Since we beat Redlands 20-42 and Pomona beat the Bulldogs 28-20, we should take the meet handily and show a 2 win 1 loss record. The frosh should also show the same conference record.

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LETTERS

(Continued from Page 2)

groceries of several hundred dollars annually.

The original intent of the pajamarino and bonfire, a copy of similar traditions in other colleges, was to create spirit for the Oxy-Tech football game. I hold that it does not. It has been evident that it is very difficult to create spirit for any athletic contests at Caltech, and it should be equally evident that the pajamarino and bonfire cannot—and will not—create spirit for anything more than the pajamarino and bonfire themselves.

This year's Sunkist episode is an example of the extremes to which a thing of this sort can go. It should be obvious that this event is mob violence. It would be fool hardy to say that this is the end of all such occurrences, and certainly it would appear ludicrous to have the Institute issue a ruling which would ban some types of stealing but allow others less inclined toward prosecution.

Caltech, as a privately endowed institution, is forced to maintain the respect and approval of the community for its existence. Can it afford to support a pastime which lends itself so easily to unfavorable publicity and local vilipendency? The only road left open to the Board of Directors is to renounce this spectacular exhibition which has become little more than a perfunctory annual obligation.

Will the panacean excuse of "tradition" maintain an activity which has been proved—even more this year than in the past—to be potentially dangerous to the Institute, or will Caltech, under the leadership of the Board of Directors, remove their support and place instead its disapproval on this disadvantageous diversion—just as it has done with the policy of raiding—before it is too late?

FIRE, MARCH

(Continued from Page 1)

Tom Bergeman and Joe Graetch. After a last "To hell with Oxy" the Tech men returned home. Credit for this memorable event belongs to John Merrill, rally commissioner; Dick Jaffe, cheerleader, and Bob Lynam, ASCIT first representative.

Prizes for Pajamas

The prizes in the Pajamarino Flashiest Pajama Contest last week were very generously donated by three of Pasadena's

leading haberdashers. The pull-over sweater was given by Fowler's, of 526 East Colorado; the tie came from Phelps-Terkel, across from Bullock's; and the belt was from Atkinson's, at the corner of Green and Lake.

25 Years—Serving Techmen
Same Location
Carl's Caltech Barbers
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CAMPUS BREWINS

(Continued from Page 4)

We hear that Darb Jerry Pixton, out on the prowl again after a fast shuffle behind the Great White Wall, is now making a

comprehensive study on the rumored broad European outlook on life and things. His first subject is a very comely refugee from Poland. From apparent indications, the program is continuing rapidly and may prove valuable material for a future thesis.

Korea-bound ex-Darb Bob Holbrook was on his pre-basic fling, and made the most of his last barn dance. To the casual observer it might have seemed that Bob possessed four arms.

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examination, including X-ray pictures, by the medical specialist and his assistants. The examination covered the sinuses as well as the nose, ears and throat.

The medical specialist, after a thorough examination of every member of the group, stated: "It is my opinion that the ears, nose, throat and accessory organs of all participating subjects examined by me were not adversely affected in the six-months period by smoking the cigarettes provided."

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