Students’ Day coming soon, speeches, tours planned

The 1954 edition of Caltech’s Students’ Day will be pre­

sented Saturday, December 4. Dr. DuBridge has

assured that this year’s event will have a full day of activities, which will include guided tours, speeches, and demonstration lectures. The program is being jointly planned by a student committee, headed by Jim Lewis and Rod Supple, and a faculty committee headed by Dr. C. W. McCormick.

The day will begin at 8 a.m. with registration of the visitors. They will be split up into groups of about 20 or 25. From 9 until 4 p.m. they will be given guided tours of the campus. These tours will include demonstrations and exhibits in the various departments. At noon the sightseers will take a break for lunch. The teachers will eat at the Atheneum and listen to an address by Dr. Hugo Benlof, professor of seismology. The visiting students will be served in the student houses. In order to make up for the lack of student activity, the Caltech students will eat at 11:30.

DuBridge speaks

Following lunch all those who attend Students’ Day will gather at the Atheneum lawn. On the stage will be Dr. DuBridge, who will give a short speech at this time.

During the afternoon the visitors will go on guided tours, those who are interested. There will be a number of demonstration lectures given by the various departments. These lectures will be in groups of five at 1:30, 2:30, and 3:30. The lectures being given include Physics, Chemistry, Dabney Hall, Marshall Cram’s orchestra, featuring a group of the college’s best instrumentalists, will provide music for the dance.

The dance will be a “sock hop” where dancing will be done to music provided by the student groups, and sweaters for the men, shoes for the women. The dancers may take a break for lunch. The program for the dance will be sent to those who wish to remain at home.

Blind dates for the dance are available. It will be seen that no partner will be close to a half-pound, but when it comes to dancing, some of the couples will be close to a half-pound, but when it comes to dancing, some of the couples will be close, and the dance will be a “sock hop” where dancing will be done to music provided by the student groups.

Dabney Hall holds modern art exhibit

“Elements of Design,” the third in a series of special art exhibits sponsored by the Caltech Humanities Division, will be shown in Dabney Hall, December 4 in the lounge of the humanities building.

Prepared by the Museum of Modern Art in New York, the exhibit features an original concept for the design of the lounge. The lounge was designed by Robert Jay Wolf, in collaboration with Elise Courtier, Victor d’Amico, and Alice Ota.

Dance will be done to music provided by the student groups, and sweaters for the men, shoes for the women. The dancers may take a break for lunch. The program for the dance will be sent to those who wish to remain at home.

Field Marshal Montgomery will talk in house next Monday

Tech president Lee A. DuBridge will speak in the student houses next Monday. He will talk informally on “Science and Government,” an event sponsored by the Student Council.

The ASCIT sponsored “Santa Sock dance” will be held Saturday, December 4, from 8:30 to 10 in Dabney Hall. Marshall Cram’s orchestra, featuring a group of the college’s best instrumentalists, will provide music for the dance.

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(Continued on Page 4)
Many foreign scholarships offer opportunities to grad

By Jerry Fried

Caltech students are usually "in the know" about scholarships and fellowships, but they seem to have overlooked one special opportunity, the foreign scholarship. As one scholarship holder has pointed out, "personal experience is the best way to learn about another country and culture, and one of the best ways to promote an understanding of American life and ideals."

Probably the best known of the foreign scholarships is the Rhodes Scholarship to Oxford. Valued at 600 pounds per year, the appointment is for two years, with a possible extension to three. Dr. Norman Davidson is the Caltech representative for this award.

Any underclassmen interested in spending their junior year studying in Switzerland are invited to compete for the award of round trip transportation to and from that country.

Sponsored by the American Society for Friendship with Switzerland, the contest is in the form of an essay concerning various aspects of Switzerland and her relations with the United States. The deadline date is May 31. Those interested should contact Prof. Horace Gilbert in Dasney Hall, room 104.

26 applicants for Fulbright

Another well-known scholarship is the Fulbright grant, covering all expenses and awarded to graduate students for work in any one of 22 countries. In the past, according to Prof. Gilbert, about half of those who applied from Caltech have been accepted (although until this year, there had been very few applicants). Of this year's record 26 applicants, most chose Germany, Great Britain, the Netherlands, and France as the countries they would like to work in.

A new scholarship this year is the Marshall Scholarship, sponsored by the British Government. These awards are for the words of the British Information Service, "an expression of the United Kingdom's gratitude for the generous and far-sighted program for European recovery."

Good for two years, the award is made to graduate students for tenure at any university in the United Kingdom for study of any subject which will lead to a British degree after two years. Marshall scholarships are valued at 500 pounds per year, plus passage to and from Britain. Due to insufficient publicity, only one Caltech student has applied for the Marshall grant. (The application deadline was September 30.)

The records show that Caltech students are generally successful in obtaining these foreign study scholarships, so if you are at all interested, check with Professors Davidson and Gilbert for more information.

Tech staff meets for picture tonight

There will be an important meeting of the California Tech staff tonight at 7:15 in the Tech office. Big T pictures will be taken, and all staff members should be there.

"Say, Coach, some of the boys feel you're making them warm up too long."
**Once Over Lightly**

*By Jay Glazer*

**Brave New World Dept.**

General Wm. Creasy, head of the California Tech meteorological warfare division: "Actually our weapons are the most powerful in the world. We can callor them to the exact needs of the situation. We can destroy the enemy or we can make him sick and knock him out for a fixed period of time, and we don't destroy property."

Vai Peterson, head of civil defense for the United States: "Just as a matter of practical consideration, there will be hell we will do with all the bodies?"

**On another tact (sic)**

On another tack, the December issue of Hi-Fi craze is the wealth of books and articles being published about music and musicians. Remember a few years back when it was art that was the rage? Accompanying this movement were books such as "Moulin Rouge" about, of course, "Toulouse-Laur-tree." Following this was the movie of the same name, and the people who had never looked at anything but the covers of Hi-Fi were buying books of reprints.

In short, he became a popular cocktail-hour conversation subject.

The musical mad has elected November 17 as the date for the permanent DEMISE OF PAJAMARINO

(Continued from Page 1)

the establishment of a theme. President Adams greeted the troops and implored them to be gentle with the up-and-coming forthcomers. It must have worked, there were no riots. Their majesty seemed to like the mighty voices in a couple of pulpits. The band and half of the guys were yelling.

The height of the frenzy was supposed to be the burning of a mock Oxy tiger. There wasn't much frenzy, but the orange animal had to be embarrassed because they must have been a tiger which had been created in the lab. It caught fire, but the clemation pit. After drowning the poor beast in kero­ sene, the firemen were able to put it out. The tiger looked like the mighty voices in a couple of pulpits. It was a pretty sight.

Cannibal Chief (to victim): "What did you do for a living?"

Victim: "I was an associate editor." Chief: "Cheer up. After tonight you'll be editor-in-chief."
WHAT DID IT COST TO CREATE YOUR JOB?

If you're an average U.S. factory worker—$12,000.
If you're a rough carpenter, it took approximately $350 worth of tools to set you up in your trade.
Tools for a garage mechanic cost about $5,000; for a Washington wheat farmer $12,500; for a secretary $300. But if you work for Union Oil, it took $77,000 worth of tools in the form of trucks, service stations, refineries, oil wells, etc., to create your job.* Obviously, some of our jobs require considerably less investment than $77,000 and some considerably more. But this is the average for Union's more than 9,000 employees. That's big money. But it accomplishes big things.
It brings Union's customers better products at lower costs. It enables each employee to produce more and therefore earn more. It creates better jobs and a higher standard of living.

*Even this figure does not include the "tools" Union must for its employees, such as office space, tanks, telephone service, etc.

This is one of a series by the people of Union Oil to explain how business functions. Your comments are invited. Write The President, Union Oil Company, Union Oil Bldg., Los Angeles 17, California.
Beavers lose to Oxy, meet LaVerne Saturday

Tech runners make long gains, Conley, McDonald hit paydirt

By Arne Kolm

The Caltech football team took it on the chin from Oxy for two quarters, then came back strong and won with some flashy running in the second half to salvage two touchdowns and make the score a fairly respectable 13-13. The game was held Friday night at the Coliseum.

Conley, George McDonald raced eleven yards for a first down on the initial scrimmage play. Ted Lang followed with a nine yard thrust, but the Tech drive stopped on the Oxy 21. After an exchange of punts Oxy found itself on Tech's thirty yard line and after a couple of fullback Downs Lyon bucked over from the one yard line for the Tigers' first touchdown.

Lang returned the ensuing kickoff to the Tech 41 yard line, but Conley got nowhere on three plays. On fourth down and 20 Mia Blasi snatched the ball from block Conley's punt and he recovered for Oxy on Tech's 26. On third down Jack Chamberlain went over for the second Bengal TD.

Tech drives

Early in the second period Vince McCullough passed one yard to Doug Corfman to make the score 7-0 on the third down drive going after the kickoff, but Conley's pass was intercepted and play started on the 24. Conley lost 10 to 0 in the first half scoring. Tech drove into Bengal territory again and Dick Mears took it on a five yard line with a Conley pass for a first down on the Oxy 10. How- ever, three Tech players took another pass interception to end the threat.

On the fourth play of the second half Kemp passed to Mora for 27 yards and a touchdown. Tech took the kickoff and marched back to its own 46, but Lyon intercepted Conley's pass and ran it back 51 yards for Oxy's final touchdown.

Fine running attack

For the remaining quarter and a half the Tigers never got inside of Tech's thirty yard line and Tech's defense held the midfield stretch attack nighted two touchdowns. Next Friday night the third period Phil Conley took an Oxy punt on the thirty and ran it back 58 yards down the sidelines before he was brought down on the one yard line. Though Okada was held for no gain and Walt Menetrety picked up eight as the ball got to the 34, neither time did a first down on the one and then Conley took over the top of the line for the TD. His conversion was good and Tech had seven points.

After several punts the Beavers took over on their twenty. Menetrety gained two and Marty Tangora went for 19 yards and a first down on the 33. McDonald took the ball on fourth down on the 33, and wasn't dowed down till he reached the one yard line. McDonald was held for no gain, McDonald scored on a sneak off tackle.

The Beavers fumbled away a few plays after the kickoff on the Bengal 35. Lukesh gained one and Lang picked up six and a first down. But Okada's学期 gain of 18 yards was intercepted and after two Oxy plays the final gun sounded with the score Oxy 35, Caltech 13.

X-country men stomp Poets

Caltech's varsity harriers romped to their third win of the season last Friday as they beat Whittier 18:37. Tech swept the first three places when Dave Crowther came in, first, Donald Lewis second, and Fred Witte- ther turned in a creditable 18:40 time.

Win by forfeit

Whittier forfeited the meet due to lack of young Poets. The Beaverbules, however, ran a time trial over the varsity distance. Mike Rusch and Reel Saunders led the way they tied in 31:57.

Powton tomorrow

The Beavers travel to Powton tomorrow for their toughest and the most important meet of the season, and the victory would put them in second place in final conference standings. From comparative scores, Tech is one or two points better than Pomona, but unfortunately this means very little.

CONLEY SCORES—Tech quarterback Phil Conley sneaks acres for the first Beaver touchdown as Oxy guard Manuel Martinez (44) comes up too late to stop him. Tech player on the left is end Luke Boboian (82). (Photo by Tom Bowen.)

Soccermen defeat Poly; Pomona next

By Al Helgesson

The soccer team trounced Cal Poly 5-1 last Saturday for their second win of the season. The Victory ended a series of disappointing games since Tech lost Pomona in the first game of the season.

Ralph Stenhausen was again the powerhouse in the front line as he scored all three of Tech's goals. The Beavers held a slim 1-0 lead at half time, having cracked the Cal Poly defense only once in the first 45 minutes. However, the constant pounding at the Cal Poly defense tired the Mustangs and goals came easier in the second half. Cal Poly broke through to score in the last five minutes of the game.

(Continued on Page 6)

Hoop schedule

Nov. 30—**Cal Poly (SD) 6-2, 5-4—Redlands Tournament
Dec. 7—**L.A. State
Dec. 9—Redlands
Jan. 8—Chapman
Jan. 11—**Long Beach State
Jan. 14—**Oxy
Jan. 15—**Cal Poly (SD)
Jan. 18—Pomona
Jan. 21—Whittier
Jan. 25—Pasadena Nazarene
Jan. 28—L.A. State
Feb. 5—**Edlands
Feb. 8—**Chapman
Feb. 11—**Whittier
Feb. 15—**La Verne
Feb. 18—**Pasadena Nazarene
Feb. 19—**Long Beach State
Feb. 22—**Oxy
Feb. 25—**Pomona
Mar. 1—**Away game

—Afternoon game at home

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PASADENA TIMES

Page Five

WHEN YOU KNOW YOUR BEER
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Frost Sports Roundup

By Bob Walsh
Tech's long football drought suddenly terminated Saturday when the Beavers exploded on to an easy 38-13 triumph over California Baptist, their first win in two years.

A fast-growing crowd was treated to a fine display of running and passing by quarterback Don Stocking as he rolled up 176 yards and scored o f f a seven-yard pass on the Knight 35 yard line. Stocking aided the cause with a twenty-yard run and Hilton had 126 yards in the first half.

Another fumble, on the Tech Stocking passed for 40 yards and ran for 34, scoring from the 16 yard stripe.

The Knights retained with a 56-yard touchdown run to close the gap to 12-7 but a forty-yard Stocking-to-Hilton pass play carried the pigskin to the Baptist 33 and three plays later Blackie took a seven-yard pass on the 19 and weaved across for the score. Hilton, making his third straight conversion and when the Knights needed a forty-yard run for their second touchdown and an 18-3 half-time score, the extra point looked important.

Early in the third quarter end Hugh Hopkins recovered a Knight fumble on their 31 and Blackie scored from the 16. Stocking decided to run the extra point and Hilton swept left end for the marker.

A 48-yard score by fullback Ed Krehbiel several minutes later led the game, the extra point.

Tackle Bob Mitchell blocked a punt on the Knight 35 yard line and Hilton took the ball across on the next play for the 49, initiated a drive in which Tech scorers as reserves played a good part of the game.

The victory gives Tech a 3-1 record in conference play and leaves them in a first place tie with Oxy.

I. H. Sports

By Paul King
Caltech's powerhouse basketball team swept through an unbeaten season to easily win the Interleague basketball championship.

The Beavers, however, still trail Blackie in the Interleague trophy race as first term sports were concluded last week. Blackie landed in second spot in the hoop sport, while Fleming, Throop, and Ricketts followed in that order.

Blackie downed Throop, 89-35, in a game featured by the shooting of George Epstein. Epstein hit for twenty points while Throop's Stan Manatt had 17, including seven free throws.

In the season's final contest Caltech easily outclosed Fleming, 59-22. Ron Marion scored 19 points to lead the Darbies.

Dabney forward Marion was the league's high scorer with 71 points for four games. Throop's Manatt was second with 60.

Standings after first term:

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<td>Blackie</td>
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The JV will meet UCLA JV this Saturday at 7:15 p.m. in 206 Dabney. The meet will be the subject of this Friday's demonstration lecture to be held at 7:30 p.m. in 301 Bridge.

Dr. A. J. Haagen-Smit, professor of bio-organic chemistry and consultant to the Los Angeles County Air Pollution Control District, will discuss past, present, and future research concerning the smog problems.

Professor Haagen-Smit, by analysis of air samples and laboratory production of "artificial smog," has been able to determine the nature of smog components and thereby help to clarify the Los Angeles County smog problem.

A member of the Caltech faculty since 1937, he has also engaged in research on plant hormones, essential oils, and protein synthesis.

MONTGOMERY TO SPEAK (Continued from Page 1)

During 1944 as Commander in Chief of the British and allied forces in North France. His commands also included that of the Eighth Army in Italy and Sicily and that of the British occupation forces in Germany.

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