

Techmen Go To Polls Today; Elect Vice-President, Treasurer

Urge All Students to Vote at Noon

Two vacancies which have recently arisen on the A.S.B. Board of Directors will be filled in a special student body election today. Members of the A.S.B. will vote for a new Student Body Vice President and Student Body Treasurer at polling places located in the courts of the student houses and Throop Club between 12:30 and 4:30.

The importance of these elections in the trend of future A.S.B. policies stems from the duties delegated to these two officers by the by-laws of the Corporation. In addition to being members of the Directorate, the Vice President and the Treasurer hold additional power: the former as Chairman of the Board of Control, and the latter in the management of the financial affairs of the Corporation.

Candidates for Vice-President are DONALD D. MON, RICHARD FELBERG, NORMAN LEE, and CHARLES McDUGALL.

DICK ALEXANDER, DONALD GRANICHER, and BILL KARZAS are nominees for the post of Treasurer.

Participation in recent class elections was notably small; confusion as to time and place of class meetings may have been largely responsible.

Due to the large amount of responsibility connected with each of the offices to be filled in today's election, it is urged that voters weigh the qualifications of nominees carefully and cast ballots accordingly, thereby demonstrating their interest in the quality of student government at Tech during the coming year.

Counterattack!

"If we can't sleep, they can't either." That was the spirit early Thursday morning when some of our Eager Beavers raided Tigerland, and roused the entire Oxy campus with "Tech-made" bombs. Each charge was set in a box filled with Beaver colors and the Oxy campus was showered with flakes of orange and white.

To the surprise of all, the Tiger campus was not patrolled this year and the Oxy men have shown little of their traditional spirit. Only one attempt was made on our Pajamarino woodpile. Although the Oxy men greatly outnumber our freshmen guards, eight of their men were captured and our losses were held to a half-dozen charred boxes.

All agree that the nicest sight of the year was that of our captives parading up and down the campus proclaiming the greatness of Caltech.

CAMPUS CALENDAR

Friday, October 25—

Election of Vice President and Treasurer

Lecture by Dr. Pickering on "Microwave Phenomena" in 201 Bridge, 7:30 P.M.

Caltech vs. Oxy in Rose Bowl, 8:00 P.M. Bring Student Body Cards.

After the game—Take your choice: Fleming Open House Dance; Ricketts Exchange Dance with Orr Hall, Oxy; Throop Club Record Dance. Everyone invited.

Sunday, October 27—

Tau Beta Pi picnic.

Monday, October 28—

Lecture by Mr. Flannery, CBS Correspondent, on "Eyes

Front in a Cockeyed World" in 119 Kerchoff, 8:00 P.M.

Wednesday, October 30—

Frosh Luncheon Club, at the Training Table, 12:00.

Thursday, October 31—

Tau Beta Pi election.

Halloween Dancing Class, 7:30 to 9:30 P.M., Dabney Hall.

Friday, November 1—

ASB Assembly, 11:00 A.M. in Culbertson Hall, Dr. Sterling on "Russia."

Dabney Exchange Dance with PJC, 8:30 P.M.

Blacker Sophomore Stag. Ricketts House Stag.

Throop Club Halloween Dance, Throop Club, 8:00 to 12:00.

Saturday, November 2—

Caltech vs. Whittier, there, 8:00 P.M.

Dr. Lacey Appointed Dean of Grad School

Dr. Tolman Resigns;
Returns To Research

The appointment of Dr. William Lacey, professor of chemical engineering, to be Dean of the Graduate School at the Institute, was announced this week by James R. Page, chairman of the Caltech Board of Trustees. Dr. Lacey's appointment followed the resignation from the deanship of Dr. Richard Chase Tolman, wartime vice-chairman of the Government's National Defense Research Committee.

Dr. Tolman, who served his country in both World Wars, said his resignation was made necessary by a desire to return to research work in physical chemistry, plus the press of new duties as technical advisor to Mr. Bernard Baruch, United States representative on the United Nations Atomic Energy Commission.

A member of the Caltech faculty since 1916, Dr. Lacey has become widely known for his award-winning work in chemical engineering. Recently he was presented the Hanlon Award by the Natural Gasoline Association of America for outstanding accomplishment in the development of processes for the gasoline industry. He has also been selected as the recipient of the Anthony F. Lucas Gold Medal of the American Institute of Mining and Metallurgical Engineers, for similar work.

During the war, Dr. Lacey was attached to the Eaton Canyon rocket project. He received his bachelor's degree at Stanford in 1911, his master's and doctorate degrees at the University of California in 1913 and 1915. He was a research associate at M.I.T. before coming to Caltech.

Hypersonic Tunnel To Fill "Hole"

By late 1947, the pit now being excavated at the east end of Guggenheim will house one of the first hypersonic wind tunnels in the world.

First indication of activity at the site of the new project came when passersby were startled to see large holes being opened below the windowsills of the two-story wood and plaster addition which had been appended to the East end of Guggenheim in 1940 and 1942. Giant beams were set in the holes under basic frame

Continued on Page 2

Soph Class Elects 1946-47 Officers

The following officers were elected for the Sophomore class on Wednesday, October 16:

PresidentDave Browne
Vice Pres.C. Forrester
SecretaryDon Hibbard
TreasurerBob Walquist

The previously elected members of the board of control, Heath and Funk, were not voted upon as a change was thought to be unnecessary.

JOBS

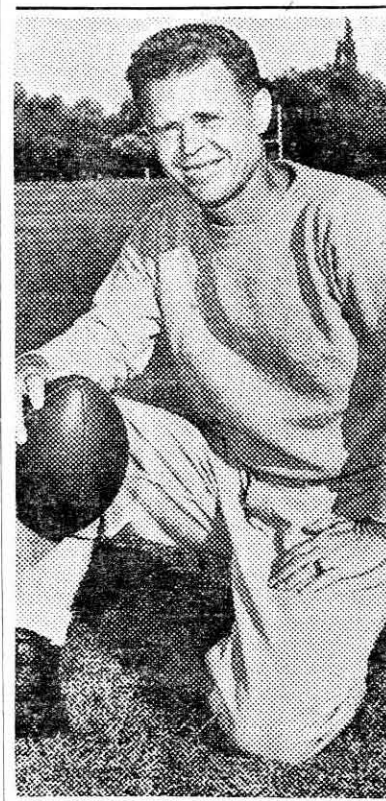
If you are looking for a part-time job come to Room 120 Throop and file an application. Requests are being received continually and the Placement Service will be glad to assist you.

Football Season Underway Tonight With Oxy Tigers

Oxy men Favored Over Untried Beavers;
Rose Bowl Is Setting for Old Rivalry

Tonight, with the thundering of flying cleats, and the backing of an enthusiastic student body, Caltech will introduce its first postwar football team to the Southern California sporting world. The Beavers of Tech will meet the Occidental Tigers of Los Angeles at the Rose Bowl for the thirty-third game of the traditional series. Head Coach J. Mason Anderson, having kept his team pretty much under cover, hopes to spring some surprises on the favored Tigers that will send the Tech rooters home in gay spirits.

The game this evening will be the climax to a week of preparation, which included the traditional Caltech Pajamarino, held Thursday night with all the trimmings.



MASON ANDERSON
Cal Tech Coach

This annual event started with a student body dinner, given in Tournament Park, and was followed by a bonfire, a victory rally, a pajama parade, and some suitable entertainment at a local theatre.

Hitting a new high this weekend is the student spirit, which has soared since the beginning of the present term. Evidence of this gratifying event is the large turnout for sports at the Institute this fall; the appearance tonight, for the first time in several years, of the Caltech band; and the successful rallies and student projects upon the campus this term.

The team which Tech will field this evening will be green. Only six of the men in the starting line-up have had any college football experience, and the majority of these have had only one year. Starting practice a full month later than the other schools of the conference, the Techmen have, as usual, been hampered by lack of time to drill, and strict academic regula-

Continued on Page 3

Tech Welcomes New Instructors

The California Tech wishes to take this opportunity to welcome the 50 new members of the teaching staff here. All of these men are particularly qualified for their posts and have been active in research.

Physics

Dr. Christy, who is replacing Dr. Oppenheim in the Physics department, spent a year in the metallurgical lab at the University of Chicago designing uranium piles, followed by 3 years at Los Alamos, after which he became an assistant professor at the University of Chicago. The West Coast had too much of a hold on him and he accepted C.I.T.'s invitation.

Chemistry

Also from the Manhattan Project is Dr. Davidson, of the Chem department, who spent his time in Chicago studying the chemistry of trans-uranic elements. A Rhodes scholar, Dr. Davidson obtained his Ph.D. in Chem at the University of Chicago in '41, worked on the electron microscope in the R.C.A. labs at Princeton, N.J., and taught for a short time at the Illinois Institute of Technology. He, too, is well impressed with the quality of the students here.

Applied Mechanics

The Applied Mechanics department has been fortunate enough to secure the services of both Dr. Byrne and Dr. DePrima. Dr. Byrne is a Caltech man himself ('33), and is returning here after teaching at U.C.L.A. before the war, then doing fire-control research for the govern-

Continued on Page 4

Throop Club Dance After Game Tonight; All Students Invited

There's no need to look further for a good time after the game tonight. Throop Club invites all students and their dates to attend a dance at Throop lounge. The proceedings start immediately after the end of the game. Music will be from records. A cozy, friendly, and perhaps romantic atmosphere will prevail as a log burns in the fireplace and refreshments are served in that distinctive Throop Club manner.

It is evident that the club's spirit of hospitality has been greatly encouraged by the tremendous success of its social program this term. Last Friday, the Oxy exchange dance drew well over two hundred people, which was the largest crowd to bulge the clubroom walls for several years. The stag party held two weeks ago was an equally successful affair.

Westinghouse Jobs Discussed Nov. 6

Westinghouse employment opportunities will be discussed by Mr. George D. Lobinger on Wednesday, November 6th, at 4:30 P.M. in Room 206 Dabney. Mr. Lobinger is Supervisor of Student Recruitment for the Westinghouse Corporation.

Since interviews will be held on the campus next Spring, all men who expect to receive Mechanical and Electrical Engineering degrees in June should attend.

The California Tech

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Frosh Class Sets Pace

The Freshman class has shown a spirit of enthusiasm far above the other three undergraduate classes combined. When the Freshman class officers call a meeting, the entire class shows up. The atmosphere seems charged for action.

The other classes have taken little interest in their class activities and this is inexcusable. At the recent Sophomore and Junior class elections approximately twenty-five per cent of each class was interested enough to cast ballots.

It is realized that the students attending Caltech are not rah-rah boys. Over seventy-five per cent of the undergraduates are veterans and are not here to fool around. The students here directly from high school also mean business. BUT—this does not mean that they should neglect their house, class, and school activities. For those who are so insistent upon burying their noses in textbooks every waking hour, it might be well to remember there is more to college life and preparing for the future than just studying.

The Freshman class has indicated that it will continue to participate as an active part of the student body. Will the upper classmen be able to follow the pace so aptly set? The answer should not be long in forthcoming.

HYPERSONIC TUNNEL

Continued from Page 1

members, and the addition was then lifted up by its windowsills, so to speak, rotated ninety degrees, and set on jacks immediately south of its former location.

When the excavation is completed, and obstructions such as concrete piping, foundations, and the like have been removed, construction of a new, five-story addition will begin. In keeping with the general plan throughout

the Institute, two stories of the structure will be below ground level and three will be above ground.

As soon as the two basement floors have been completed, work will commence on the wind tunnel, which will occupy this space. Six motors and compressors, furnishing 1500 horsepower, will power the project. This machinery, obtained from the Kaiser Shell plant at Fontana, will be housed in the second basement.

The new wind tunnel, which will be government property, will be used in guided missile research, projectile study, and wind tunnel theory experimentation. It will generate air speeds from five to ten times the speed of sound. Previously, speeds up to four times sound speed have been the highest obtained for large-scale testing tunnels. The prefix "hyper" is used arbitrarily to designate velocities above four times the speed of sound.

The new addition will measure 50 by 50 feet; the old structure measures 46 feet in length, and was rotated so that this side could be attached to the new portion of the building.

Mr. Ray Gerhart, a Caltech graduate, and contractor for the

Wynn Mace

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THE SQUARES' CIRCLE

In regards to the comments in the October 18 issue of the paper about the campus secretaries not turning out for the dancing classes, most of the girls on the campus are married and are either still in the starry-eyed honeymoon state or if they would like to come to help out in developing the personalities of the Tech men, have very intolerant husbands. Could it be that the husbands might think that the wives might have ulterior motives instead of purely a desire to assist in the adjustment of all the poor lost Tech men?

A Campus Secretary

Items Of Interest For Caltech Vets

The California Educational Act

You may be eligible for educational benefits under the California Educational Act which is designed primarily to be of some assistance to veterans over and above their rights under Public Law 346 or 16.

Qualifications for eligibility

You are eligible if you were a bona fide resident of California when you entered the military or naval services of the United States, and if you served 90 days of active duty, receiving an honorable discharge or a release from active duty under honorable conditions. Time spent in college training programs does not count as active duty.

If you were a minor at the time of entering service, your parent or guardian must have established residence has not and you must have been living here also; if you were of age, you must have established residence yourself. A minimum period of established residence has not been specified, but you should be able to prove that you were actually a resident and not merely a visitor in the state.

Cash Benefits Available

The amount expended on the account of any one veteran under the provisions of this law shall not exceed \$1000. The maximum monthly allowance that can be paid is \$40. The monthly allowance is deducted from the total of \$1000. The \$1000 can be expended for maintenance, tuition, fees, books, and supplies. There is no time limit on when the \$1000 may be used as long as funds are available. There is no limit on the amount of outside work that can be done as long as grades are not suffering as a result.

A veteran cannot use both federal and state aid at the same time; however he may use the state aid either before or after using the federal aid. It is advised that a veteran pursuing his

Worlds' Problems Cut In Three

Life should become a simple process for students at Caltech, for the impossible is possible. Late last week Dr. Salvatore Cavelli of Camden, New Jersey, announced to the world his unique method of trisecting the angle by common means, a problem unsolved by the past 25 centuries' mathematicians, and in spite of the fact that it can't be done the thing still works.

This leaves 2 of history's 3 famous unworkable problems (the squaring of the circle, the doubling of the cube, and the trisection of the angle by common means) still unsolved, and correspondingly life should become simpler for students, with only 2/3 as much to worry about now as before.

For example, lights will go out 1/3 earlier in the student houses (2 a.m. instead of 4:30. Not only that, but also the amount of midnight oil burned by the students should decrease by 1/3. Anyone can tell you that the heat evolved by the burning of this midnight oil is the cause of Southern California's fair winter climate and fruit growing season. Since it has been shown that an average drop in temperature of only 6 degrees would start another ice age, winter will come early this year and we will have a food shortage.

The only bright spot to the picture is that with the forthcoming shortage in food, 1/3 of the students may die of starvation, thus relieving the congestion in the student houses.

Lost--One Fire Helmet

On the night of September 19, the Pasadena Fire Department answered a call from Caltech for a fire in Throop Hall.

While the firemen were within, someone took Fireman Nelson's helmet from the truck and made off with it. As a result, Mr. Nelson is out \$7.50 and the Institute gets a black eye with a service which has hitherto been friendly and cooperative.

If the miscreant will return the helmet to the California Tech office, there will be no questions asked, and Caltech will redeem its tradition of honor.

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recently constructed Mechanical Engineering building, is contractor for the project.

Construction of the wind tunnel itself is expected to begin by next spring.

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Hear Ye! Hear Ye! Student Federalists To Discuss UN Wed.

Techmen View Future As Key World Citizens

EVERYONE is invited to the coming meeting of the Student Federalists next Wednesday evening at 8:00 P.M. in 206 Dabney. The Student Federalists will discuss the United Nations, with special regard as to how it can be changed so as to include the principles of federalism.

The local group, started last May, intends to hold student polls in the near future, as well as throughout the year, in an effort to stimulate thinking on our campus about a future world government. They will also attempt to hold some debates, in addition to the several speakers to be scheduled.

If there is enough interest in the propositions outlined by the Student Federalists for a federal world government, there will be a petition circulated on campus to affirm the interest of scientists and engineers in this important cause.

education under the G. I. Bill continue to do so for his full period of eligibility before changing over to the state aid. Additional state funds will almost certainly be appropriated in the future to make these benefits available when the veteran needs them.

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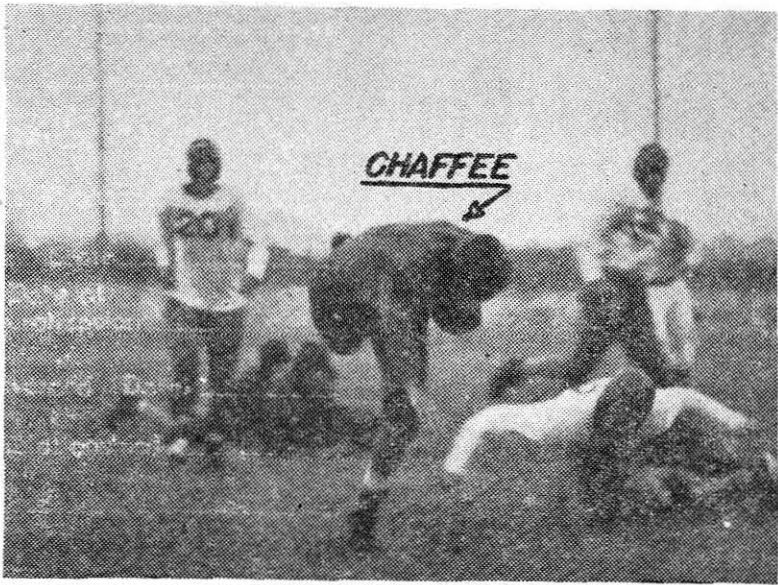
Beavers Face Tough Opener

Continued from Page 1

tions.

Occidental, on the other hand, seems to be loaded down with returning lettermen, and "big name" high school stars. Leading the Tiger attack will be Tom Fleishman, 190-lb. fullback transfer from Cal; Hank Wright, 210-lb. all-league center from South Pasadena High School, and Roy Vernoy, 170-lb. All-Conference back of 1942. Oxy Coach Roy Dennis has been working his men since early September, and the Tigers will be out to avenge last year's defeats by the Beavers.

Three weeks ago, Oxy opened the season by gaining a thrilling 7-7 tie with favored Cal Poly at San Jose, but lost last week to Redlands, 6-0, with the Bulldogs getting all the breaks. To date, the Beavers have played only one practice game, in which they rolled over the La Verne Col-



First TD of '46—Glenn Chaffee dives for paydirt in the first quarter of last Saturday's contest at La Verne, as standing Leopards and grounded Beavers look on. Tech won the game, 40-0.

lege Leopards, 40-0.

Tech students are reminded to pick up their student body cards for admission tonight, and that Tech will sit on the west side of the Rose Bowl. Game time is 8 p.m.

Probable Starting Lineup

Caltech	Wt.		Wt.	Occidental	
9 Parode	180	R.E.L.	196	Coots	46
40 D. Long	200	R.T.L.	185	Osterman	44
31 N. Long	175	R.G.L.	169	A. Fain	52
25 McKenna	175	C.	180	Bailey	51
39 Lee	175	L.G.R.	160	Lauricella	38
48 Walquist	220	L.T.R.	200	B. Fain	53
8 Hibbard	180	L.E.R.	190	Pearson	45
14 Winters	155	Q.	182	Tassey	34
33 Funk	165	R.H.L.	160	Carter	26
30 Chaffee	170	L.H.R.	170	Vernoy	42
45 MacLean	180	F.	195	Fleishman	65

ROSTERS

CALTECH—

1—Houser, f; 2—Stockton, t; 3—Felbeck, t; 4—Hamilton, h; 5—Coons, h; 6—Lanz, q; 7—Marshall, g; 8—Hibbard, e; 9—Parode, e; 10—Marks, e; 11—Simons, e; 12—Lund, f; 13—Shaller, h; 14—Winters, q; 15—Anderson, t; 16—Clark, h; 17—Johrde, g; 18—Hartman, q; 19—Brown, h; 20—Mendes, f; 21—Manning, g; 22—Boutelle, h; 23—Zwick, t; 24—Bochanski, g; 25—McKenna, c; 26—Dahm, g; 27—Rypinski, g; 29—Lyon, g; 30—Chaffee, h; 31—N. Long, g; 32—Mauldin, c; 33—Funk, h; 34—Powell, t; 37—Allinder, g; 38—Parten, e; 39—Lee, g; 40—D. Long, t; 41—Morgan, t; 43—Graham, t; 44—Bass, t; 45—MacLean, f; 46—Felberg, e; 47—Caldwell, t; 48—Walquist, t; 49—Baker, q; 50—Muehlberger, f.

OCCIDENTAL—

20—McIntosh, q; 22—Rhodes, h; 24—Smith, h; 25—Middleton, g; 26—Carter, h; 27—Lamb, e; 28—Freize, q; 29—Trump, h; 32—Bertness, e; 33—Price, h; 34—Tassey, q; 35—Huycke, e; 36—Baly, g; 37—Stinstrom, t; 38—Lauricella, g; 39—Anderson, t; 40—Rock, e; 41—Briggs, e; 42—Vernoy, h; 43—Jesson, h; 44—Osterman, t; 45—Pearson, e; 46—Coots, e; 47—Evans, t; 49—Thompson, q; 50—Melee, g; 51—Bailey, c; 52—A. Fain, g; 53—B. Fain, t; 54—Cooper, t; 55—Wright, c; 56—Boggs, e; 57—McLean, e; 63—Cates, g; 64—Sanders, h; 65—Fleishman, f.

OFFICIALS—Jim Tunney, referee; Frank Hess, umpire; Ed Laurenson, head linesman; Harry Brubaker, field judge.

Football Forecast

Game	Musselman	Goldsworthy	Anderson	Sorenson	Kilroy
Cal Wash	Cal. 7	Cal. 13	Cal. 7	Cal. 7	Wash. 6
Ore. St. Wash. St.	Ore. St. 6	Wash. St. 7	Wash. St. 12	Wash. St.	Ore. St. 13
USC Stan.	Stan. 1	Stan. 7	Stan. 1	USC 8	USC 1
UCLA St. Cla.	UCLA 13	UCLA 20	UCLA 20	UCLA 20	St. Clara (upset)
Ore. U. Idaho	Ore. U. 27	Ore. U. 13	Ore. U. 18	Ore. U. 6	Idaho 2
Mich. Illinois		Ill. 7	Mich. 12		Tie

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Fleming Wins Discobolus; Blacker Casabamen Fall

The Discobolus, symbol of interhouse athletic supremacy, which has rested on the Blacker mantle since last semester, started its wanderings again last Tuesday when Fleming challenged Blacker to a basketball game.

The game was played in the PJC Gym, where the powerful Fleming team swamped the Blacker five, 54-17. With no substitutes available, Blacker fought gamely against a strong Fleming outfit, which boasts three lettermen—Saltman, Stokley, and Lewis.

The coveted statuette is now on the Fleming mantle, but the possessors are subject to challenge in any sport in which teams are composed of five or more men. Reports from the other houses and Throop indicate that Fleming will face stiff competition in its drive to regain prewar athletic superiority.

Chess Team Wins; L. A. Club Next

In their opening match with the Pasadena Chess Club, the Caltech Chess Team, led by Dr. Weinbaum, pulled through with an 8-6 victory last Monday evening at the All Saints Church.

Although 15 members had signed up, the team was short a man, as the match started at 7:30 P.M. However, a player was borrowed from the opposing team to give a total of 15 games. One game was left unfinished, as Tech copped 8 of the 15 games before it could be completed.

Tech's winning players included: Weinbaum, Smith, Barnett, Davison, Paine, Altman, Dimond, and Ettlinger.

Dr. Weinbaum indicated that he would like to see a few more good chess players at the brief organizational meeting to be held tonight at 7:30 P.M. in Dabney Hall.

There is a good chance that the team will meet the Los Angeles Chess Club, a very strong club indeed, in the near future. A tournament may also be held among the members.

Cross Country Tuesday

The inter house cross-country run takes place next Tuesday, Oct. 29. Promising performers, expected to make the competition interesting, are Doug Brown, Bud Carol, Bill Lundy, Ken Shauer, Stan Barnes, and Joe Curray.

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Beavers Roll Over LaVerne Leopards 40-0 In Easy Tilt

Green Beavers Show Scoring Punch; Anderson Uses Many Substitutes

With a grinding roar, and a few stray parts flying here and there, the Beavers rolled over the La Verne College Leopards, 40-0 last Saturday afternoon. Getting off to a comparatively slow start, the men from Tech led, 14-0, at half-time, but got their second wind and managed to score 26 more points in the third and fourth quarters.

The Techmen broke into the scoring column in the first quarter when, after a sustained drive, Glenn Chaffee took the ball around his own right end for ten yards and the score. The game was then a see-saw battle until late in the second period when Lowell Parode latched onto a pass from Chaffee, good for about 30 yards, and the second score.

Second Half

The last two periods of the game featured a great deal of Bill Muehlberger, who moved down the field like a vast machine, leaving piles of would-be tacklers in his wake. Tech scored four times in the second half, the first six points coming on a short pass to Muehlberger, while Coach Anderson's various backfield combina-

Sports Here 'n There

Before too many of us start picking the winner in tonight's game on the basis of previous results, we should give the matter some very serious thought. To the overconfident, I'll pass the information that the Oxy backfield is one of the fastest that we will meet this year.

The Tigers are lining up on the T, and then either running from this formation, or shifting into the left or right. With the new ruling in effect, regarding the quarterback's position, they pull some very fast plays directly off this T. Tom Fleishman, 190-lb. transfer from Cal, will do most of the Oxy passing, and the boy can really throw. We'll have to be on our toes to stop him. Oxy could have won last week, as they had several scoring opportunities, but the breaks all went to the Bulldogs of Redlands.

On the other hand, every one of our forty points in the La Verne game came the hard way and the Leopards never let up in giving us some tough opposition. A victory tonight would be an upset worth working for, so be on hand to cheer the fellows on.

—Stiles

BASKETBALL!

Men who are going out for Varsity or JV basketball will meet in the Tournament Park baseball bleachers at 4:15 p.m. Monday.

Eager Beavers

Playing a lot of ball for Tech were Doug MacLean, Chuck Shaller, Bob Funk, Ed Winters, Hubie Clark, and Don Baker in the backfield, while Don Hibbard, Norm Lee, Gerald McKenna, and many others worked like mad up front.

Game Notes

The game was played at Bonita High School, prep school of the famous All American, Glenn Davis. Line Coach Pete Mehringer, who maintains that football just isn't football unless it can be heard, looked a little happier during the second half. He'll be working to make the Oxy game as noisy as possible. The Leopards really have school spirit. Although small, over one-quarter of the male population has turned out for football.

Ice Skating

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Halloween Party For All Students' Wives

Throop Club Lounge;
8 p. m. Wed., October 30

Not to be outdone in social activity, the Throop Club wives auxiliary invites all wives of Caltech students to a very informal Halloween party on Wednesday, October 30, at 8:00 p. m. The girls are asking their guests to wear their husbands' old clothes, and masks if possible. New members have been welcome to any meeting since the club organized last spring, but this party offers a special opportunity for prospective members to become acquainted with the present members of the club. However, attendance at the party obligates no one to join the club.

Clubhouse Improvements Planned

Throop Club members will be surprised and pleased to learn that appropriations have been approved for improvements in the club lounge. Some new furniture will be purchased, and the old furniture is to be renovated. Fluorescent lighting may even be installed. New drapes for the windows have already been ordered, and the wives auxiliary has promised to install them when they arrive. The wives especially will be delighted to learn that a kitchenette is being fixed up in the club office room, but there goes their excuse for those dangerous sallies into Fleming in ostensible search of hot water for coffee on meeting nights.

Campus Brewins

Traffic streamed bumper to bumper last Friday night on route 66 as Techmen took advantage of the Scripps Open-house to survey prospects for a renewal of the Scripps-Tech alliance. Prospects look good.

Harold Baugh and Bob Haufe spent most of last Friday night on a marathon, taking turns cutting in on each other with the same girl. Midnight found them wandering out toward the gate alone muttering, "Who is this guy, Markowitz?"

At a recent Ricketts house meeting, the question came up as to whether to schedule an exchange dance with PJC or just have a stag. Part of the house was solidly in favor of combining both.

Dick Alexander is really going whole hog in his campaign for ASB Treasurer—a beaver personified. He is cutting all of his classes now and devoting his time to making election posters.

Remarkd one blase Scripps lass to another recently, "Ricketts boys! Oh, they're so immature." What about that, Rowdies?

Bob Levy has lost his faith in economics; a recent investment bore him no interest. Alas, alcohol makes some women emotional and others it just makes sleepy.

Bob "Longjohn" Stokely and date disappeared from Scripps at a nearly hour last Friday night in Tom Stix's car. Nobody knows quite when they got back. He claims he got lost. What's the matter, Bob, didn't they teach you map reading in the Signal Corps?

Clayton Englar was so absorbed with his date at the Ice-House that he left his overcoat there. Apparently the atmosphere was very warm.

Leading Blacker's invasion of Browning were Dave Caldwell and Jep Wade, president and social chairman, respectively, of Blacker, who seemed to be getting along famously with Jeanne Johnson and Afton Strong, president and social chairman, respectively, of the Scripps Hall.

Who's doing anything in Throop Club? Why don't you fellows talk about yourselves a little more, so this scandalmonger can print it?

Back next week with more dirt. Meanwhile, don't let Math interfere with your Biological studies.

Musical Baedeker

After three long years devoid of large-scale extra-curricular activities, Caltech is finally getting back its collegiate atmosphere. With football season here, the band has resumed its activities after a long dormant period, and the turnout has been larger than expected. At press time, there has been no news about the resumption of the Glee Club, but the Orchestra had its first rehearsal a few days ago, and the Caltech Musicales will put out a call for new members as soon as new record playing equipment has arrived. The record instrument for general use has been repaired and is now accessible to old Musicales members.

As soon as reorganization has been completed, the Musicales again will present regular Sunday evening concerts featuring the world's greatest music. If enough interest is shown by the general public, there may be even regular noontime concerts; the first of these is scheduled for Monday, October 28th, from 12:15 to 12:45. Monday noon concerts will be reserved exclusively for the presentation of jazz music.

Because of dense crowds, the Palladium is never too good a place to dance in, but with the current appearance of Jerry Wald's danceable but only average ork the mobs may be small enough to allow the jazz enthusiasts to listen to PeeWee Hunt's intermission band. PeeWee plays excellent modified New Orleans music that is both great listening and dancing. His popularity has been surprising, and even during the successful Les Brown and Tex Beneke engagements couples crowded the dance floor during intermission.

Rex Stewart, Caltech's outstanding jazz musician, is busy with plans to organize his campus dance band. At present his books consist of some 35 specials of his own, half slow and half jump. Rex's contacts with such outstanding arrangers as Kai Winding and Eddie Finckel promise to bear fruit in the form of original additions to the books. Stewart's biggest need at present is a reed section and a rhythm section; however, anybody playing a musical instrument and reading well is welcome. Dance band experience is not essential but is preferred. Rehearsals will take up about four hours a week and will probably take place Saturday afternoons in Culbertson Hall. Anybody interested should drop into 34D or leave a note.

J. F. Valle-Riestra.

NEW INSTRUCTORS

Continued from Page 1

ment. Dr. Byrne says the school has grown considerably since he was here, and he considers the new required math courses an important improvement.

Dr. DePrima taught at N.Y.U. and Cooper Union, and was on the O.S.R.D. math panel during the war. He considers the "Caltech atmosphere," with its intimate student-faculty relationship a great aid in teaching here.

Mathematics

Professor H. F. Bohnenblust, the new sophomore math head, taught at Princeton University and Indiana State. He was connected with the N.D.R.C. group at Caltech during the war, and has done important work in analysis, especially in using modern abstract methods practically. Dr. Bohnenblust expressed an especially high opinion of the life and quality of the work of the graduate school.

We regret that space requirements do not permit a listing by name of the many other new instructors at this time, but to them all we wish to extend a hearty welcome.

Col. Goldsworthy Sparks Luncheon Club Debate

Col. E. C. Goldsworthy, with a penetrating sense of humor and provocative remarks, guided the first meeting of the Frosh Luncheon Club into a lively debate on the subject of "Can You Get an Education at Caltech?"

The Colonel stressed definition of the word "education."

"Education is not a matter of sitting in classrooms for four years, nor is it only the graduation from Caltech," said the Colonel, "but just as important is the social and athletic life open to each student."

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