

# Spaulding Drives Bruins Through Final Drill Before Webfoot Contest Tomorrow

## U. C. L. A. Coach Uncongenial as Duck Game Nears; Captain Duncan May Not Start

By STUART WELLS, Sports Editor, Daily Bruin

LOS ANGELES, Nov. 19.—(Exclusive to the Emerald.)—Coach Bill Spaulding closed up his Westwood grid shop late tonight, after driving his Bruins through one of the stiffest practices they have undergone this season.

It was the last workout for the Bruins before they meet Oregon U. in the Olympic stadium Saturday, and Spaulding made sure that his men knew thoroughly everything that he had taught them. The head coach drove his first string unmercifully, now on offense, then on defense. He fairly roared at little Johnny Fletcher, 155-pound quarterback, who must take the place of Field General Bergdahl on Saturday. Bergdahl is out for the rest of the season, and it is upon Fletcher, hitherto a second string man, that Spaulding is basing the Bruins' hopes for victory.

The rest came in for their share of instruction from the for-once ungenial head coach. Spaulding wants to win that Oregon game Saturday more than anything else. Ever since 1929, his Bruins have managed to win one conference game, and Oregon is their only chance this season. Spaulding also wishes to retaliate for that 7-0 Oregon victory last season.

Lineup Not Given Out While Spaulding will usually divulge his starting lineup at the conclusion of final practice, he would not do so tonight. He says nobody is sure of their position, and reserves the right to make changes right up until game time. However, on the basis of the way the Bruins have started in past games, the following team should start for U. C. L. A.:

Left end—Dick Mulhaupt. Left tackle—Lloyd McMillan. Left guard—Fred Haslam. Center—Homer Oliver. Right guard—Gordon Jones. Right tackle—"Fat" Norflert. Right end—Lenny Wellendorf. Quarterback—Johnny Fletcher. Left halfback—Joe Keeble. Right halfback—Bobby Decker. Fullback—Captain Norman Duncan.

Duncan May Not Start There is a possibility that Duncan may not start. The Bruin pilot sustained a deep gash over his eye in the St. Mary's game, and Spaulding is reluctant to start his best backfield man with this handicap. A hard blow in the head region would surely open the in-

jury, and Spaulding does not wish to risk that. In case Duncan does not start, "Red" Lowe, third string fullback, will be shoved into the breach, since Aubrey Grossman, Duncan's understudy, is also down with an injury. The game is the homecoming affair of the season for the Bruins. Tomorrow night a huge bonfire on the Westwood campus will get the grads and alumni in the proper spirit for the game.

### Powerhouse



Angel Brovells, plunging fullback of the St. Mary's eleven, who will have a chance to show his stuff against the Webfeet on Thanksgiving day.

### Thacher To Present Next Of Readings Sunday Night

Professor Goodwin Thacher will present the next of the series of campus readings from great literature at the Phi Delta Theta house next Sunday at 7:30. His selection is "A Source of Irritation," a short story by Stacy Aumonier. These programs are sponsored by the Free Intellectual Activities committee, and are held in the various student houses through the courtesy of these organizations. All students interested are invited to attend.

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## Hodge Tells Story of Buried Fossil Forest Upon Mt. Hood

### Geology Professor Writing Report on Study of Glacial Activity

A fossil forest of splintered, twisted, battered and scarred trees lies buried beneath a smooth slope of glacio-fluvial material on the northwesterly side of Mount Hood. This buried mass of timber promises to throw light on the life of the distant past and furnish valuable data of great importance to mankind through an extensive study being made by Dr. Edwin T. Hodge, professor of geology at the University of Oregon.

Discovery of the buried forest was made early in July, 1926, by Judge Fred W. Stadter of Portland, for whom it has been named. Judge Stadter communicated with Dr. Hodge, who has compiled a report after conducting a comprehensive program of research in the Mount Hood area.

The ancient forest lies entombed on the south side of Illumination Rock, which was part of the last crater of Mount Hood. During or shortly after the time of activity of this volcano, the trees grew on the slopes of the towering Mount Hood at an elevation of about 7000 feet, obtaining their nourishment from the soft volcanic debris on the slopes.

The geographical conditions at this time were such that the trees were able to grow at a higher elevation than at present. They received their warmth and moisture from steam ejected by a slightly active mountain, which produced many fog clouds and occasionally a rain.

In his report, Dr. Hodge wrote: "When vulcanism ceased, the warm, moist blankets of fog disappeared and the warm rains ceased. After that the usual winter cold rains or snowfall on Mount

Hood produced snowfields which were too large to melt during the summers. Hence, annual residues of snow accumulated and in time were compacted and transformed into glaciers.

"The glacier grew headward and moved down the mountainside. Growing headward, the Zig Zag and White Water glaciers cut into the sides of the crater, cut through the crater wall and into the crater pit, where now they are still at work tearing down the north and east walls—that is, the top of Mount Hood.

"The downward movement of Zig Zag glacier," continued Dr. Hodge's report, "advanced upon the helpless forest. The high mass of ice moved against, froze around, and then buried within itself the trees of the former rain-forest. The icebound trees were twisted and wrenched in the ice which moved foot by foot down the mountainside. The boulders and other debris which the Zig Zag glacier had picked up on its march were used to further batter and gouge the trees. Some 30 to 40 feet of glacial till entombs the forest. Evidently the buried mantle was laid not gently on the mangled trees, but roughly and as an after event.

"Evidently the trees were killed, bruised and overridden and for a long time lay buried beneath the ice. They were not buried where they stood and died, but were dragged a long distance, perhaps several thousand feet, down the mountainside. This is proved by the absence of soil on the lava on which the trees lie and by their mutilated condition when exhumed."

Dr. Hodge hopes to determine the exact age of the primal forest through a series of studies. His great hope is that he will find some venerable tree which is still living, or even the body of one that has long since fallen, but started growing soon after the retreat of Zig Zag glacier. By comparing the rings of this tree with those of some of the living trees, Dr. Hodge would know exactly

when the Zig Zag glacier began its retreat.

"It is hoped that we shall find an ancient tree whose rings correspond with the outermost ring of the Stadter buried forest. If such be found, we shall know exactly how long ago the forest lived. I venture the guess that its age will be numbered in thousands of years. The fact that the wood of the fossil forest is not decayed does not prove that it might not be 5000 years old," said the etugeologist yesterday.

### Student To Speak of Life In Australian Metropolis

Douglas Andrews, sophomore in biology, a former resident of Melbourne, Australia, will speak on his observations and experiences in that metropolis, at a supper to be given at 5 o'clock at the International house on Sunday.

Andrews' father is connected with a wool industry concern in Melbourne and is living there at present. Andrews himself thinks of Melbourne as his home and goes there every summer. Although born in this country, he had acquired Australian citizenship as required by law there. There will be no Sunday supper at the International house next week because of the Thanksgiving vacation.

### HEALTH WEEK TEA IS SLATED AT GERLINGER

(Continued on Page Four)

teams in the volleyball tournament. The finals of the ping-pong ladder will be played today.

A new feature is the bicycle ride scheduled for Saturday. All day Saturday beginning at 9 o'clock there will be 12 "bikes" at Gerlinger hall. These may be rented for 10 cents an hour. Houses wishing to reserve bicycles for certain hours should call Katherine Bisbee at 688.

A hike to the Braes to start at 1 o'clock will be led by Dorothy Lou McMillan.

Special rates for horseback riding are arranged for Sunday morning. The bus will start at 9:30 o'clock and the ride will be two hours for \$1. Kathleen Horton at 1599-M, is in charge.

## ATO, Yeomen, Delts, Phi Psi Win Contests

### ATO Squad Gets Title in Donut Hoop League III

### Phi Delt, Pi Kap, Kappa Sig, Alpha Upsilon Defeated Yesterday

#### TODAY'S SCHEDULE

3:45 P. M.  
S. P. T. vs. Sherry Ross Hall  
4:30 P. M.  
S. P. E. vs. Friendly Hall  
5:15 P. M.  
International House vs. Yeomen

The Alpha Tau Omega aggregation won the right to enter the playoffs for the intramural basketball tournament championship yesterday by winning their game and the title in League III. The Yeomen, Phi Psi, and the Delts also captured victories.

The A. T. O.'s overwhelmed Alpha Upsilon, 31 to 3. Two subs for the victors, Ralph Ray and Bill Lake, scored at will, the former tallying 11 counters and the latter garnering 10.

#### Yeomen Win

The Yeomen, facing a supposedly serious threat in the Pi Kap quintet, showed the railbirds that they thought nothing of the menace and walked off the floor with a 31-13 win. Ingram Kjosness and Bob Miller, scintillating Yeomen hoopsters, coaxed shots into the hoop from all angles of the floor to the tune of 11 and 10 points, respectively.

The Phi Psi quint took the measure of Phi Delt, 18 to 8.

#### Delts Victors

The Delts emerged victors in a close, hard-fought game over Kappa Sig, 12 to 10. Homer Stahl, stellar Delt tipoff man, scored 11 tallies, all but one of the total of his team.

#### Alpha Tau Omega-Alpha Upsilon

A. T. O. (31)—McKim (4), f; Vaughn, f; McCulloch, c; Edwards, g; Hine, g; Lake (10), s; Ray (11), s; Reynolds (4), s; Knowlton (2), s.

#### Alpha Upsilon (3)—Call (1), f; Kirby, f; Boyd, c; Mauzey, g; Anderson (1), g; Elliott, s; Overhulse (1), s; Dolph, s.

#### Phi Kappa Psi-Phi Delta Theta

Phi Psi (18)—Gadwa (1), f; Starr (5), f; Thompson, c; Johnson, g; McCulley (6), g; Ringrose (6), s.

#### Phi Delt (8)—Clausen (4), f; Bauer (2), f; Fletcher, c; Kneeland, g; Laurin, g; Minnaugh, s; Meyer (2), s; Olsen, s; Hunter, s; Ambrose, s.

## Webfeet Who Face Bruins



Three Oregon football representatives and their coach, who will take the field against the University of California at Los Angeles tomorrow. Upper left, Doctor Clarence W. Spears. Upper right, Red Bailey, end. Lower left, Don Watts, halfback, and Jack Rushlow, fullback.

#### Yeomen-Pi Kappa Alpha

Yeomen (31)—Miller (10), f; Thom, f; Kjosness (11), c; Tinker, Pi Kap (13)—Prouty (2), f; Watson, g; Holden (4), s; Wicks (6), s; Jacobs, s.

#### Lindstrom (4), f; Bevans, c; McCarthy (4), g; Pepelnjack (3), g; Aldrich, s.

#### Delta Tau Delta-Kappa Sigma

Delt (12)—Garrett, f; Reymer, f; Stahl (11), c; Holmes, g; Hoagbrose, s.

(1), g; Lees, s; Paxton, s. Kappa Sig (10)—Terjeson (1), f; Watts (6), f; Woodin, c; Olsen, g; Garnett (3), g; Palmer, s.

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