



## FRESHMEN TO MEET "PREPS"

**FIRST YEAR TRACK MEN TO COMPETE WITH EUGENE HIGH TOMORROW**

## 1917 CLASS CLAIMS STARS

**Payne, Telford, Bostwick, Langley, Nelson, Bandy and Runquist Entered. Hayward Will Pick Squad for O. A. C. Meet.**

A track meet will be held tomorrow afternoon on Incaid Field between the Varsity Freshmen and the Eugene High School teams, in order that Bill may pick from his material a team to meet the O. A. C. Freshmen next Saturday. The meet tomorrow will begin promptly at 3:30.

Oregon Freshmen hope to win the meet from the Aggies and they should be able to do so with over half the Varsity track team among their numbers. Payne, Langley, Telford, Fitzgibbon, Lake, Sheahan, Nelson, Bandy, Watkins, Bostwick, Tracer and Runquist form a nucleus around which Bill should build a team that would rank well with any Freshman aggregation.

Payne, the olive-skinned "Mose" from Athena, is capable of running the two-mile in at least Coast record time and if he is not in California Saturday he will make the Aggie fans sit up and take notice.

Langley's record of 4:30 in the mile—a record established as a prep—should enable him to make the event interesting for his opponents.

Nelson has run the half in around two minutes and, as he has had no real tryout as yet in an outdoor meet, just what he can do this season is yet a mystery.

Sheahan and Lake are good as Freshman material and have both done the sprints in fast enough time to make Kadderley of the Aggie team run his best to take firsts.

Bandy is still in very poor condition, owing to his injured knee, and a lack of conditioning makes his performance uncertain. However, when in good shape he can run the high stocks in 15 2-5 seconds.

The track team will leave for Corvallis with the baseball team Saturday evening.

## MUST FIND INSTRUCTORS FOR NEW DEPARTMENTS

**Pres. Campbell Looks for Commerce and Architecture Men in Eastern Schools**

For the purpose of finding instructors for the newly-created departments of Commerce and Architecture, President P. L. Campbell leaves Eugene tomorrow afternoon for a three weeks' visit among eastern colleges and universities.

The departments of Commerce and Architecture will be opened next year and before that time a director for the Department of Commerce and a director and an assistant for the Department of Architecture must be chosen. President Campbell has not definitely decided upon any one for any of the positions, although several applications have been received. President Campbell reports that Architect Ellis F. Lawrence is making considerable progress in preparing plans for the School of Architecture.

While in the East, President Campbell will visit Johns Hopkins University of Chicago, Harvard University, Pittsburgh College, and the Massachusetts Institute of Technology.

Chester Washburne, '04, is visiting his mother, Mrs. Minnie Washburne. Mr. Washburne is a Kappa Sigma. He is now in the employ of the Government Geological survey.

## JUNIORS DISCUSS PLANS FOR ANNUAL WEEK-END

**Committee Heads Report to Class Progress They Have Made**

Matters connected with the Junior prom and the week-end, were taken up by the Junior class in a special meeting held this afternoon at four o'clock in Dr. Schmidt's room in Deady. Reports from Boylen, Blackaby, Hill, Donaca, Allen, McGilchrist, Jaureguy and Lombard, chairmen of the different committees for the prom and the week-end festivities, were heard.

Treasurer Jaureguy of the class made a financial report and urged that all committees cut down their expenses. Jaureguy is also chairman of the finance committee for the Junior week-end, and is taking care of that end of the proposition.

The class also discussed plans for a class picnic, which will be held some time soon after the Junior week-end. President Jerard will put a committee in charge of the affair and complete arrangements will be made so that every member of the class can attend, and the committee will see that all do attend, if possible.

## BASEBALL GETS THREE OUT OF FOUR PRIZE CUPS

**Inter-Fraternity League Trophies Decided Upon. Track Will Get One**

The inter-fraternity athletic league has four cups up as trophies for the victorious teams in the sporting events to be staged by the league this spring, and valuable prizes for individuals in the track meet. These cups will be presented by the proper officials of the league, and are the property of the team winning them for one year, or if won two successive years, the cup is the permanent property of the holder.

The first place trophy in the "Doughnut" baseball series is a large cup given by Stall & Dean, through the Eugene Gun store. Second place cup is a handsome loving cup offered by "Obak" to the team ending the season with the second best percentage. Another cup goes to the highest individual batter in the "Doughnut" series.

For the inter-fraternity track meet, to be held May 15, the executive committee has secured a loving cup, offered by the D. & M. Co. through the Red "W" Store. This cup will be given to the club obtaining the highest number of points in the meet. A medal will be given to the individual point winner, while ribbons will be presented to first second, third, and fourth place men in the various events. Only eight men from each organization belonging to the league, can be entered and all men who have won their "O" on the track will be barred.

Last year the meet was won by Delta Tau Delta, then Zeta Phi, and this year an effort will be made by the other clubs to wrest the title from the Deltas. Hayward's track squad has been considerably augmented lately by the number of so-called Mexican athletes, who are training for the coming affair. The university track team will be in Seattle on the date set for the interfrat meet, so a clear field will be enjoyed by the league for its annual meet. It is possible that the baseball team may be away on a trip at the time and this will affect materially the chances of some for the first cup, as some of the stars entered from the different houses are baseball players, who have track ability but are unable to go out for track on account of baseball work.

Coach Hayward, and also the executive committee of the league say that men who intend to enter the meet, particularly in the distance events, must put in a certain amount of time in training. This rule was passed last year but was not well enforced.

## STUDENTS TO AID PROGRAM

**WISH TO SHOW MORE INTEREST IN COMMONWEALTH CONFERENCE**

## UNDERGRAD SESSION ADVISED

**Professor Young Favors the Scheme. Seniors Would Take Over Conference But Claim That They Lack the Time.**

That the students of the University should take an active part in the Commonwealth conference is the unanimous opinion of Professor Young's class in Social Reform. Up to last year but little interest had been manifested by the students in the program offered. Last year, however, undergraduates were given prominent parts on the program, and whether for this reason, or for some other not taken into consideration, the attendance was markedly increased.

In the discussion of the subject this morning, the following points were brought out: the necessity refuting the charge that the students are not interested in state problems; the necessity of dismissing classes during the days on which Commonwealth exercises are to be held in order to do away with the fear of cutting which might otherwise deter the undergraduates from attending.

Under the first point, it was stated that the University must show the people of the state that the students feel their obligation and duty toward the state.

Professor Young advises. Professor Young himself advised that the students hold sessions of their own to discuss state problems. "There is an abundance of material on hand for such discussions," said Professor Young.

It was suggested that the upperclassmen take the initiative and start the ball rolling. A new branch of the Commonwealth exercises for the students might be taken over by the Seniors, just as the Junior class handles the Junior week-end. "The only objection to this," stated one of the Seniors this morning, "is that the Seniors' time is largely taken up in preparation for Commencement affairs, but some plan might easily be formulated whereby the students take over a certain part of the Commonwealth program."

Some of the Senior opinions expressed are as follows: Delbert Stanard: "I think this is an excellent scheme. The students by all means should take a greater interest in such things."

Otto Heider: "It is a fine idea. It will have the effect of interesting the students more thoroughly in state questions. We must exhibit some definite results of our University work. However, if Commencement affairs prevent the Senior class from taking charge of things, the student body as a whole might carry it through."

Vernon Motschenbacher: "If such a plan could be worked without taking too much of the Seniors' time, I think it would be highly advisable."

OREGON AGRICULTURAL COLLEGE, April 27—Walter E. Morris, '12 was one of the leading orators who have attended O. A. C. has brought home honors again, by winning the state Peace Oratorical Contest in Michigan, representing the University of Michigan. He used the same oration that brought fame to him in local circles, "The Price of Peace."

Professor F. S. Stetson, of the Department of Education, has been elected a member of the chapter of Phi Beta Kappa, national honorary scholarship society, recently installed at the University of Washington.

## DRAMA PLAY IS BEST YET

**"PROFESSOR'S LOVE STORY" GIVEN IN PROFESSIONAL STYLE**

## CLEVER COMEDY PLEASURES

**Student Actors assisted by Professor Reddie put an Pleasing Show Before Large Audience at Eugene Theatre.**

"The Professor's Love Story" produced by the Drama League of the University at the Eugene theatre Monday evening proved to be the best University play this year, as the five days on the road, during spring vacation gave a professional flavor to the play which was not attained in either "Getting Married" or "Strife".

The play is a comedy by Barrie. It is the story of an absent minded Professor who falls in love without knowing it. There were two sub plots one, the love story of a Scotch girl and her two suitors, Pete and Henders, and the other that of Agnes Goodwillie whose long awaited letter comes after lying years in a broken letter box.

Comedy "Gets By." The comedy is clean and it "got passed" with the audience. Nearly every speech drew a laugh, and the large crowd was well pleased.

Professor Reddie as the Professor was of course the star. The three Scotch parts played by Ellice Shearer, Earl Bronough and Edison Marshall were big favorites with the audience. All three played their parts with cleverness and seemed to enter into the spirit of the play. Mr. Bronough's Scotch dialect was almost perfect, and he drew many big laughs. Mr. Marshall carried his part in a most satisfactory manner. His facial expressions were by far the biggest hit of the evening. The acting of the stolid character of Effie as interpreted by Miss Shearer was clever and showed thoroughly consistency.

Janet Young showed to even better advantage than in previous plays this year. She had the heaviest part and carried it to perfection. Beulah Stebno and Effie Rhodes took the parts of Lady Gilding and her mother in the play, and gave a consistent clever interpretation.

## Norma Doble Pleases.

Norma Doble was the leading lady. Dressed in white, out in the hay field she acted the clever, girlish secretary in a pleasing manner.

Her work was above criticism. Henry Howe and Ralph Ash and George Colton had the other three men's parts and there was not a single weak spot in their acting. Howe as the Englishman drew many big laughs. He showed to better advantage than in any other play he has appeared in this year. Ash was a genial, middle aged doctor. The audience was with him from the start to finish. George Colton was a quack doctor. He gave a clever interpretation and made a big hit.

The cast is as follows: Professor Goodwillie . . . A. F. Reddie Dr. Cosins . . . . . Ralph Ash Sir George Gilding . . . Henry Howe Pete . . . . . Edison Marshall Dr. Yellowleaves . . . George Colton Agnes Goodwillie . . . Janet Young Lucy White . . . . . Norma Doble Lady George Gilding. Beulah Stebno Lady Emily Gilding . . . Effie Rhodes Effie . . . . . Ellice Shearer

Claire Ogle, '16, was taken suddenly ill with an attack of acute appendicitis yesterday and was operated upon at once. He is reported to be in a serious condition.

John Welch was in Portland Sunday, returning yesterday evening.

## WILL SEEK NEW MARKETS FOR OREGON PRODUCTS

**Commerce School Will Conduct Investigation Through U. S. Bureau**

At a meeting of the board of advisers of the new University School of Commerce held in Portland yesterday it was decided that the school begin an industrial survey for the purpose of formulating statistics that will be of use in finding markets for Oregon products.

In order to reduce the expense of such a survey to the minimum, the survey will be made mainly through the established bureaus of the United States government.

The board of advisers intends to ask the government to send a special representative abroad to investigate the lumber market.

The survey will be under the direction of H. B. Miller, formerly United States consul in China, Manchuria and Ireland.

Those present at the meeting of the board of advisers yesterday were: H. B. Miller, chairman, R. E. Strathorn, C. C. Colt, W. D. Skinner, W. K. Newell, A. H. Harris, R. W. Raymond, and President Campbell.

"The industrial survey that is to be conducted will be of great value to Oregon industries," said President Campbell today. "There is a considerable over-production now, and if markets can be found for the surplus products it will be a great boon for the manufacturers of our state."

## FINAL TOURNAMENT FOR TENNIS TOURNAMENT ON

**Brooks, Bond, Oberteuffer, and Trowbridge Are Main Contestants**

Four new men have been chosen this week to compete for places on the Varsity team for the coming season. The men are Walcott, Church, Farris and Trowbridge. The new men will draw and play an elimination tournament between themselves first, and the two winners will play Bond and Oberteuffer for places on the Varsity, which will be composed of Captain Brooks and two other men.

In competing for Varsity places, two tournaments will be played. The winner of the first tournament places for the Varsity team, and the follow-up, or he man defeated by the winner in the finals, will place in the finals of the second tournament. The preliminaries of the second tournament will be played between the losers of the first tournament.

Who will make the Varsity team seems to be a difficult question with the different players, and no one is willing to stake a certainty on any one man. Trowbridge is showing up better than any other of the new men and will make a heavy bid for the Varsity.

Walcott, the only Freshman eligible, has identified himself with the Varsity athletes on the basketball floor, and is also making himself a prominent figure on the tennis court.

The first of the semi-finals of the handicap tournament was played on Monday afternoon between Trowbridge and Brooks. In the first set Trowbridge played a consistent game, defeating Brooks 6 to 3. Brooks rallied in the second set, after allowing Trowbridge two games, and won the set 7 to 5. At the beginning of the third set the wind came up, making the playing all the more uncertain. Brooks allowed Trowbridge only one game, winning the match. Brooks was handicapped 30.

One more match remains to be played of the semi-finals, between Scafe and Church, the winner to oppose Brooks in the finals.

President Campbell is in Portland where he is scheduled to have a conference with Hon. H. B. Miller regarding the school of commerce to be established at the University next year.

## NITROGEN IS AID TO SOIL

**PROF. STAFFORD SHOWS HOW ELEMENT MAY BE TAKEN FROM AIR**

## LEGUME BACTERIA TOO SLOW

**Chile Nitrates Chief Available Source of Fertilizer, Says Professor. Electrical Process Now Commercial.**

Nitrogen removed from the atmosphere by means of electrical currents is the solution for continuing the productivity of the soil as advanced by Professor O. F. Stafford, of the Department of Chemistry, before this morning's assembly. His subject was "Chemical Utilization of Atmospheric Nitrogen."

"It is estimated that there are 1,700,000,000 people in the world at the present time," said Professor Stafford.

"Practically all of the available agricultural land has been taken up. The frontier is rapidly disappearing and there is scarcely any place where new lands can be found to substitute for worn-out soil. Consequently the world is being brought face to face with the problem of supplying the needed elements to the soil.

## Nitrogen Element Needed.

"The principal element needed by plants is nitrogen, and when this gradually becomes exhausted the productivity of the soil is greatly lessened. There is wheat land in the Willamette valley the productivity of which has been reduced from 40 bushels per acre to 8 or 10 bushels per acre because of the exhaustion of nitrogen from the soil. As it is essential to the world's food supply that the productivity of the soil be maintained, the world is confronted with the problem of supplying the much-needed elements."

There are 34,000 tons of nitrogen in the atmosphere for every acre of land and if this could be utilized the productivity of land can be kept up.

## Plants Work Slow.

"Very recently it has been found that certain leguminous plants have bacteria which gather free nitrogen from the atmosphere. When these plants are planted they furnish quantities of nitrogen to the soil. But this method is too slow.

"In Chile there are large deposits of the nitrogen compound, sodium nitrate. This compound is found in sand and is separated by a refining process. After being removed from the sand, the nitrogen is crystallized, placed in bags and put on the market. These deposits, although of great extent, are being taken out in such large quantities that they cannot last a 100 years longer. The Chilean deposits are used in the manufacture of most of the ammunition and explosives now being made.

## Electricity Is Means.

"Because of the limited amount of nitrogen available, we must depend upon the air for our future supply. It has been found that by means of electricity, nitrogen can be separated from the oxygen of the air. The main difficulty has consisted in being able to get an electrical arc of a size that will be sufficient to separate a quantity of nitrogen from the atmosphere. An arc six feet in diameter has now been produced and the practical removal of nitrogen from the air has become a reality and the manufacture of nitrogen has become an industry, principally in Norway, where an abundance of cheap water-power is available.

"The arcs are placed in a watch-shaped furnace and air is admitted. An electrical current, sufficient to produce 3500 horsepower, is introduced into the furnace and free nitrogen is the result. After being crystallized, the nitrogen is ready for fertilizing purposes."