

FRENCH CLUB TO HOLD THIRD MEETING TODAY

Germaine Cornier to Speak on Montmartre

The third meeting of the French club will be held tonight at 7:30 at the Y. W. C. A. Bungalow. There will be a short program before the meeting. Miss Germaine Cornier, a French instructor of the University, will speak on "Montmartre." Montmartre is a northern section of Paris, situated on an eminence overlooking the city. It is a favorite resort for the Parisians and contains numerous places of amusement. The oldest burial ground of modern Paris, the famous cemetery of Montmartre, is located there.

The French club is open to all French students, or visitors acquainted with the French language. The meetings are conducted in French and Eloise Bueh, the president, will conduct tonight's meeting.

Sports Banquet to End Football Season; Victory Celebration Is Planned

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boys all they want in the way of vaudeville entertainment." A special block of seats will be reserved for the football men and their escorts for the second show.

Features Are Planned
Special features are also being planned by the committee in charge for the banquet, and these will be announced as the "bust" proceeds. Dean Walker, former Oregon football star and present student adviser, is to serve as toastmaster of the affair.

Every football man who went out for the whole season is entitled to attend the banquet, it is announced, and the men having "dates" for the theater party are asked to notify George H. Godfrey today, so that seats can be arranged in pairs. The tickets will be given out at the banquet.

The College Side Inn promises the men the best in culinary art for the meal, and the "house" will also provide special features during the affair.

Invitation Given
The banquet was made possible through the sale of the "Oskie Wee Wee" at the rally dance just before vacation.

"Every football man must be there," says Fred Martin, chairman of the banquet committee, "and we especially want the sport correspondents, for it was the combination working together that 'put over' Oregon sports in such good style this fall."

No other invitations other than this notice are needed for football men and sport correspondents, and it is expected that every man who was in moleskins this season will be present.

FINE ARTS BUILDING FUND TO BE RAISED

A committee which will suggest plans to raise money for the fine arts building fund during the Christmas holidays was appointed at a meeting of the general committee yesterday.

Each Oregon town represented at the University will be canvassed by a member of the general committee, which was named last week. The general plan of the campaign will be carried on in somewhat the same manner as the Woman's building campaign, and was outlined by Dean Esterly at the meeting. Members of the ways and means committee appointed are: Pauline Bonduant, Mary Donaldson, Marie Gilkeson, Margaret Vincent, Alta Smith and Marian Horsfall.

GEOLOGY FIELD TRIPS STUDY ROCK FORMS

All sections of general geology will be taken to Springfield this week to make the last field trip of the term. Types of sedimentary rocks will be studied in and around Springfield. Dr. E. L. Packard announced to all classes that an effort would be made to set the time of the trips so that it would not conflict with regular geology laboratory periods. Trips will be made today at 1 and 3 o'clock, at fixed times on Friday, and possibly the last trip Saturday morning.

WARNER TO ADDRESS GROUP ON OREGON CRIMINAL LAW

Professor Sam Bass Warner of the law school is scheduled to address the District Attorney association of the state of Oregon at the annual meeting in Portland, December 11 and 12. His talk will cover a review of the criminal cases that have been decided by the Oregon supreme court during the past year, and will take place Thursday afternoon, December 11.

GRAVITY BALANCE INSTRUMENT USED IN DETECTING OIL FIELDS

Delicate Apparatus Makes Necessary Accurate Calculations; Companies Consider Project

San Francisco.—(By Science Service)—Oil, liquid wealth, located beneath the ground without the risk and cost of drilling! This has been the promise of a long list of fakors who have been credulous in their eagerness to realize on the rosy promises to locate oil pools with absolute certainty, tell the depth to the oil, whether the wells would be pumps or gushers and the amount of oil they would produce. "Doodlebugs" is the contemptuous name that has been won by the mysterious contraptions used by these fakors.

Yet now comes a scientific instrument that promises to be a sort of divining rod for oil. It is the Eotvos Torsion Balance, now being tested by certain progressive oil companies in California as an aid in locating new oil fields.

This instrument was developed over thirty years ago by the great Hungarian physicist Eotvos who found he needed some super-sensitive means of measuring the force of gravity so as to detect its minute variations from place to place. However, it was a great many years later that the first suggestion was made that the balance could be put to practical use and it is only within the past few months that oil companies have become interested in its possibilities.

Essentially the mechanism consists of a light aluminum bar suspended from a fixed point by a fine platinum wire about a yard long. On one end of the bar is fastened a little platinum weight while an equal weight attached to the opposite end hangs down two or three feet below the bar. The weighted bar tends to rotate under the influence of the force of gravity until it comes to a certain position of equilibrium. This position of rest is either read off on the scale provided or in the case of newer models registered photographically. The whole instrument is then turned in another direction, the new position of rest recorded and the process repeated until enough data have been secured to calculate the exact value of the

force of gravity at that station. Similar observations are made at other stations judiciously spaced over the area being investigated.

The torsion balance gives no direct indications of the presence of oil-bearing rocks underground. It gives only an accurate picture of the variations of the force of gravity in the locality. It is then up to the oil geologist to use this gravity data to help in working out the location of structures in the underlying rocks which are favorable for oil accumulation. Most of the important oil fields have been found to occur where the underlying strata have been arched upward. Where such conditions exist the older and generally heavier rocks approach nearer the surface and bring about a slight local increase in the force of gravity. It is in this roundabout manner that gravity measurements aid in the search for oil.

In actual practice a lot of troublesome corrections have to be made for the force of gravity is influenced by distance from the equator, elevation above sea level and especially by the proximity of hills and mountains. The Torsion Balance is so sensitive that even the presence of the observer is registered by a deflection of the beam. It bears much the same relation in sensitivity to the delicate balance used in chemical analysis as that instrument does to the railroad scales used for weighing freight cars. Extraordinary precautions have to be taken to prevent disturbances other than those due to gravity. The swinging parts, consisting of wire, beam and weights, are enclosed in a double-walled metal case. Even then, the sun's rays might set up tiny currents inside which would cause temporary deflections of the beam and so the observations are customarily made at night with the instrument housed in a tent with insulating walls.

Experiments are still in progress and commercial considerations make the oil companies reticent in disclosing the successes and failures of the new method for predicting oil.

NEW SCIENCE BUILDING WILL BE SOUND-PROOF

The new science building will be practically sound-proof, according to the plans. The walls are to have filled-in partitions and all of the floors are to be covered with linoleum.

In spite of the fact that the rain has delayed the work, the building will probably be ready for use about April 1. The work is reported progressing very well. The plumbing in the basement is completed.

The size of the building is 48 by 128 feet. The first floor will be devoted to the geology department. The second floor will house the reserve department and the third the psychology laboratories.

Record Crowd Attends Oxford Debate; Oregon Takes Tilt By Big Odds

(Continued from page one)
cies for which these parties stand. The electorate is unable to make decisions on the minor details of legislation that the referendum allows them to decide, he said, but are fully capable of deciding which of the programs of the various parties they desire. The details of legislation, he contended, should be left to the legislators elected for that purpose.

"Only six measures out of the 400 passed by the Oregon legislature last year were referred to the people," said Walter Malcolm, second speaker for the affirmative, "proving that only the major issues are given the electorate to decide, under the referendum." The corruptness of the representatives in their gerrymandering, log-rolling and lobbying was pointed out by the speaker and the referendum was quoted as being the only measure able to stop it.

The referendum deals with the larger programs of the legislative bodies, said J. D. Woodruff, speaker for the negative, and the petty crookedness of the representatives cannot be stopped by such a measure. The only way to get good representation is to trust the men elected and make them feel that they are holding a dignified position, he said. The referendum may work in smaller countries like Switzerland and Oregon but in larger countries, it is best to elect the men with their policies.

Success Pointed Out
Paul Patterson, of Oregon, and M. C. Hollis, of Oxford, made the concluding constructive speeches. Patterson pointed out that 22 states are at the present time employing the referendum with success, which proves, he said, that it can be used by large countries.

"One can't vote for one measure and against another by voting for a man who is against both," said

CLASSIFIED ADS

FOR RENT—Apartment at Campa Shoppe. Call 229-R.

THE PARTY who took the wrong pea jacket from the library, November 20, please return and get his own. Newton, 322 E. 11th St.

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YULETIDE REVEL

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FRIENDLY-PSI KAPPA CLASH IN GAME TODAY

What promises to be one of the fastest basketball games of the season in the doughnut league will be played this afternoon when Friendly hall and Psi Kappa mix in the struggle to prove which will be the logical team to enter the final contest, December 11. Both teams have played through the season so far without a defeat to mar their records.

Friendly hall has defeated Sigma Pi Tau and Delta Tau Delta so far while Psi Kappa handed a defeat to Phi Delta Theta.

In a preliminary game the Kap-pa Sigma and Oregon club will furnish a few thrills for the spectators. The winner of this contest will play Phi Kappa Psi, December 9, in the other semi-final game.

STATE EDITORS ARRIVE TO AID IN CONFERENCE

Hal E. Hoss, managing editor of the Oregon City Enterprise and president of the Oregon State Editorial association, and N. J. Levinson, editorial writer of the Portland Telegram, both of whom will participate in the program of the Oregon State High School Press association Friday, arrived on the campus last night. Mr. Hoss will discuss the general subject of high school publishing. Mr. Levinson will assist Dean Eric W. Allen in conducting a round table on the subject of the editorial page in the high school newspaper.

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LECTURE ON EGYPT TO BE RADIO-CAST

The Rev. Bruce J. Giffen, student pastor, will radio-cast the lecture Friday evening at 8 o'clock from broadcasting station KGW of the Morning Oregonian. His subject will be "The Egyptian Situation." This is the regular Friday evening radio-casting of the University extension division.

"The Rev. Mr. Giffen is well qualified to speak on this subject," said Mary E. Kent of the extension division, in commenting on the topic. "He was born in Egypt. He has always been a student of Egyptian affairs.

"When the recent discoveries were made in the tomb of King Tutankhamen, Mr. Giffen was called on to make several speeches about the state," said Miss Kent. The recent situation in Egypt and the Sudan has attracted the attention of the world. Press dispatches have been carrying news stories about the killing of the Sirdar and about how the new, conservative British government has been handling the situation.

YELLOW SLICKERS GARB OF WASHINGTON ROOTERS

University of Washington.—Yellow slickers with purple collars will be the official garb at football games. The proposition of wearing yellow slickers was passed on the recommendation of the graduate manager whose attention was first called when he saw 20,000 people wearing them at the Olympic try-outs in the Harvard stadium last spring.

RUTH NEWTON HAS POEM ACCEPTED BY MAGAZINE

Ruth Newton, a freshman in the English department, has had a poem, "Night and the Fog," accepted for publication by "The Lariat," a poetry magazine published by Col. E. Hofer at Salem. Miss Newton is from Klamath Falls and lives at Susan Campbell hall.

Patterson in criticizing the system of voting on a whole program at one time. Hollis summarized the arguments of the negative stating that the election system was checked enough on the legislatures.

Patterson and Woodruff, captains of their respective teams, made the rebuttal speeches, outlining the arguments of their opponents and their arguments against them.

Oxonians are Witty
The speeches of the Oxonian were full of wit and humor, jokes being made on members of their own team and their opponents.

Woodruff apologized to the audience for his colleague, Hollis, who did not appear in dress clothes. Hollis in his turn explained that the style of his apparel was due to the fact that Woodruff had borrowed his trousers.

"A member of the royal house on her way to the guillotine during the French revolution," said MacDonald in his reply speech to Frazer, the first speaker of the affirmative, "speaking the deeds that were done by the revolutionists, cried out, 'Oh, what crimes are committed in the name of liberty.'"

Of course she did not refer to Mr. Frazer's speech but if she had been permitted to do so, she would undoubtedly have added it to the list of crimes."

The decision in this debate was not emphasized, according to the English system of debate, and the audience was instructed to vote according to its own personal opinions on the question as well as the presentation of the arguments.

Beautiful Xmas Gifts of Chinese embroideries — colored cross stitched linens, distinctive neck-laces and earrings, bits of brass, bronze and cloisonne—may be found in the display of Chinese novelties at the home of Mrs. Gifford Nash, Towns—Ker Annex, 1143 Oak St.

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