

How Many?

Fair weather when winter dawns often drives a student from his studies. How many, we ask, labored conscientiously over his text books all day yesterday.

VOLUME XXXII

Unger Makes Scientific Find In Spectrums

Boynton Thinks Discovery Very Wonderful Piece Of Research

Invisible Rays Subject of Study Covering Over Year's Time

Research carried on for over a year by H. J. Unger, teaching fellow in the department of physics, has just resulted in a discovery in the field of spectroscopy which is regarded as one of the most significant ever made here.

Working in the infra-red, or invisible portion of the spectrum, Mr. Unger has discovered that the wave-length of the longer waves of the benzene spectrum shift toward the visible wave-lengths when the benzene is in a vapor state instead of a liquid.

It has been suspected that this might be true, but this is the first definite proof of its validity ever advanced.

Dr. W. P. Boynton, head of the department of physics, considers the research to be of a very high calibre and points out that it leads to further knowledge as to the difference between the liquid and vaporous states.

Special Apparatus Used

The apparatus used for this discovery was designed by Dr. E. D. McAlister, former professor of physics, and now doing research work at the Smithsonian Institution in Washington, D. C., but has been much improved and modified by Mr. Unger. So far as is known, there are only two other of these machines in existence—one in the Smithsonian Institution with Dr. McAlister, and one at the University of Michigan. The one at the University of Michigan requires several weeks to do the work that can be accomplished by Mr. Unger's machine in two hours.

In the construction of his machine, Mr. Unger was obliged to manufacture a thermo-couple, an instrument for the production of minute currents. So minute were the pieces of metal from which it was built that a microscope had to be used to see them. These were welded together by the current from a six-volt dry battery, while the process was observed through the microscope.

Paper Disc Records

In the operation of the machine, a revolving disc of photographic paper records the variations of the vapor spectrum from the liquid. The recording is thus automatic and tends to be more accurate than the University of Michigan apparatus, which has no automatic recording device.

The final proofs of the discovery were obtained after several recordings of the drum. The first pictures were mailed to Dr. McAlister but were deemed by him not graphic enough for undisputed acceptance, so a second set was made and is believed to be sufficient evidence.

"The actual results of this discovery," said Dr. Boynton, in commenting on the investigation, "cannot be immediately determined. So far as is known, there is no (Continued on Page Three)

Old Packing Around Books Reveals 1845 London News

Rare indeed is the man who stops to notice the usual crumpled sheets of newspaper used for packing, in a box of books, and the rarer the books, the rarer the man who pauses. Luckily, however, while unpacking a shipment from England of the rare volumes now on exhibition in the Co-op window, some fragment of the packing caught the worker's eye. The papers, when properly unfolded, smoothed and read, proved to be: (1) portions of the London Illustrated News for August, 1845; (2) Record of Proceedings of the House of Commons, 1850; and (3) a brief but tantalizing section of "The Young Crofters," Chapter XII, entitled "Teachers and Telegrams."

Editorial opinion in headlines apparently meant nothing in 1845. In the London Illustrated News, just below a steel engraving mod-

'Find Your Name' Contest Begins in Today's Emerald

The "find-your-name" contest begins today in the Emerald under the auspices of the recently developed classified department, of which Dorothy Hughes is manager.

The name of some student appears in the midst of the classified advertisements today. If the lucky person brings a copy of the Emerald to the Emerald business office today, that individual will receive a free ticket to the Colonial theater. This novel contest will be conducted regularly from now on, the name of a certain student being printed in the want-ad section each day.

In line with the "find-your-name" contest of the Emerald, the Oregon paper has announced new reduced rates for classified advertising, effective today. For the first three lines, there is a charge of 20 cents; for every additional line, 5 cents. The minimum charge is 20 cents. Contract rates may be had by arrangement with Miss Hughes or any officials of the business staff of the Emerald.

Pan Xenia, Trade Honorary, Pledges Eleven Members

Greatest Number Chosen at Once Since Group's Installation 1925

Eleven men, seven juniors and four seniors, were pledged to membership in Pan Xenia, international foreign trade fraternity, Wednesday evening. This group was the largest ever pledged at one time by the local chapter since its installation at Oregon in 1925.

All of the men pledged are enrolled in the school of business administration and are either specializing in foreign trade or have shown an aptitude in that field. Those pledged are: Frank Beistel, senior, of Eugene; Wayne Emmott, junior, from Hillsboro; Orville Garrett, junior, Grants Pass; Fred Kerr, junior, Eugene; Lionel Lane, junior, Portland; Francis Moon, junior, Eugene; Richard Stevenson, senior, San Mateo, California; Carey Thomson, senior, Vida; Carroll Watson, junior, Trail; Hal Johnson, senior; and Fred Norton, junior.

Increased interest in the field of foreign trade was the reason given by Spencer Raynor, president of the local chapter, for the large number of men taken in at this time. The return to the campus this year of Professor Hawkins, he said, has been a decided factor in the greater interest shown by the students in this branch of learning. Professor Hawkins has specialized in this study for a number of years and has returned only this fall from Washington where he has been connected with the department of state in the treaty division. The class in foreign trade has more than doubled over last year.

Rae Goes South

Arne G. Rae, professor of journalism, left the campus Thursday afternoon for Roseburg, where he will visit the Roseburg News-Review print shop. He is at present reading proof on the rate book.

Better Radio Season Finds Talent Change

New Emerald Entertainers Make Either Debut Over KORE

Sunday Night's Broadcast To Be Next Program In This Series

First of the "Better Radio Season" programs, last night's broadcast of the "Oregon Daily Emerald of the Air" promised to live up to its name. An almost complete change of campus talent was made in the studio at the College Side Inn, in the first of the special season broadcasts. Outstanding among the array of performers were the "Emerald Entertainers," new staff orchestra, who presented the latest dance tunes in original arrangements. Dale Brown, Wilbur Thibault, Bruce Higby, and Sheldon Dunning are the members of the band.

Maurice Kinney, a deep-voiced crooner, sang "Year From Today" for the pleasure of all. Another man, who did some splendid soloing, was Bob Holmes who paid his first visit to the studios this year.

Give Bedtime Story Ione Anderson, absent from the air the past few weeks, was back again with "What's the Use" and "Three Little Words."

Art Potwin, director of the broadcasts, and his assistant, Chet Knowlton, interviewed "Slug" Palmer on things in general about campus life.

Barney Miller, continuity editor, and Vinton Hall, editor of the Emerald, presented another one of their popular bedtime stories. This time it was "The Three Bears" done in modern style. Miller and his assistant, Willie Johnston, had their usual parlor propaganda to offer.

Old favorites on the program included the girls' trio and Johnny Smedberg. Maxine Glover, Sally Holloway, and Marvin Jane Hawkins harmonized on "Japanese Sandman" and "I'm Yours." Smedberg sang "My Mad Moment" in pleasing fashion.

Next Sunday night the second program in "Better Radio Season" will be broadcast from the radio parlors of College Side Inn. Special features are slated for this tea hour broadcast. Outstanding among these will be an interview with Hugh Biggs, dean of men.

Crusade Leaves Infirmary With 7

Health Campaign Fails To Check Illness

With such a rigid campaign going on as is being waged on the campus at the present time by the health week committee, University health officials are expecting a gradual decrease in sickness at Oregon. Nevertheless there were seven students confined to the infirmary yesterday. Though this number is a slight increase over that of last week, according to infirmary records, the majority of patients are at the infirmary as a result of ailments beyond the preventive power of health officials. These ailments are chiefly nervous breakdowns, broken limbs, appendicitis, etc.

The students confined to the care of the health service over yesterday were Betty Prindle, Ruth Van Schoonhoven, Zelpha Houston, Phyllis Wold, Virgil LaClaire, Graham West, and Marion Hall.

Hall, who is a member of the football team is confined as the result of an attack of appendicitis. His condition is not serious, however, and he expects to be able to make the trip to San Francisco for the Thanksgiving game with St. Mary's.

Dr. Spann Gives Lecture On Germanic Civilization

"Early Germanic Civilization and Medieval Civilization" was the subject of an address given yesterday evening by Dr. Meno Spann. Although the lecture was open to anyone interested, it was mainly for the purpose of giving members of his classes a better understanding of early and medieval German life.

Oregon To Meet These Gaels Thursday



Running from right to left ready to stiff-arm an imaginary opponent in the lay-out above is Dick Boyle, St. Mary's quarterback, who helped defeat the Fordham eleven. At Boyle's toe is Peebles, center, said to be the coast's best defensive player. Slip Madigan, coach, is next, and Stennett, halfback, follows Madigan. Angel Brovelli, fullback, didn't play Oregon last year. The whole St. Mary's team is pointing toward the Oregon battle this year on Thanksgiving day.

Filipino Students Come to America For Socialization

Desire To See U. S. Causes Many To Leave Home; 33 On Campus

"The Filipino students come over to an American college because they desire to get the best socialization. Sometimes they get the worst, but their ideals are all right nevertheless," says Mrs. Charlotte Donnelly, who for the past ten years has handled, through the Y. M. C. A., the placements of foreign students coming to the campus. "In the Philippines, the high schools and the universities are of the finest type, but the desire of the students to see this country and to learn under American professors causes them to break away from their families and take their chances here in America."

"There are 33 Filipino students here at the present time. They are about 21 years old when they come and are eager for general education courses. Biology, political science, sociology, and business administration are some of the favorite courses. If the student is planning on going back to his country to teach he usually works toward a degree in education."

Mrs. Donnelly pointed out the interesting fact that the Filipino students must wait nearly two months before they receive answers to the letters mailed back home. The time taken for a letter going one way is 28 days.

"These students are plucky, steadfast little persons," added Mrs. Donnelly, "and are determined to make good. I enjoy watching their progress in the University."

Biographies Are Received By University Library

"Rutherford B. Hayes" and "Life Story of Brigham Young" are two new biographies which have been received by the library.

The biography of Mr. Hayes was written by H. J. Eckenrode, who throughout the book recalls the problems of President Hayes both in his campaign and during his administration as president. It also gives a detailed explanation of how they were attacked and solved by the president.

The "Life Story of Brigham Young" was written by one of his own daughters, Susa Young Gates. In the book the author gives a vivid and romantic picture of the career of Brigham Young, and also the reflection of the lives of the multitudes who with him hoped and toiled to conquer the desert.

Caswell Makes Own Survey Finds Saturday Classes Fail

Classroom Congestion Is Not Relieved Through Adding Sixth Day

Saturday classes. Do they accomplish their object of relieving the congestion in classrooms? To discover if they do, Dr. A. E. Caswell, professor of physics, conducted a survey of 110 students, and the results obtained, he thinks, indicate that they fall far short of their object.

In a group of 77 students the number of classes taken on Saturday is 3.005 per cent of all the classes. The percentage of all classes, excluding laboratories, which are held on Saturday is 2.86. The average number of classes per student on Saturday is only .506 or slightly more than one for every other person.

More classes are held on Wednesday than on any other day of the week. Monday is next, then Friday, Thursday, and Saturday, the survey shows.

For a representative group of freshmen taking a survey of physical science course, 22 per cent of all classes are held on Wednesday, then Monday with 20 per cent, Friday with 18, Tuesday with 16, Thursday with 15, and Saturday way down in the list with only 9 per cent.

Saturday, in this group, had an average of 1.67 classes for each student. Wednesday again was favored with the highest, with 4.3 classes per student. After that the number per day is distributed fairly closely until it reaches the 3.08 average on Thursday. Then it takes a big drop to the Saturday figure.

"The results of this inquiry would show, I think," said Dr. Caswell, "that Saturday classes fall short of their objective. I would account for the evident failure of Saturday classes on the basis that there is a natural resistance of the students against them."

Sigma Delta Chi Awarded Honors

Fraternity Places Fourth in Professional Work

After placing second in the efficiency contest, the University of Oregon chapter of Sigma Delta Chi, journalistic honorary, won fourth place with 70 per cent in professional achievement, at the national convention at Columbus, Ohio, it was revealed in a night letter yesterday from Neil Taylor, president of the Oregon chapter and a delegate to the convention.

The activity of the Oregon chapter was highly commended upon by the officers of the convention. Earlier it was announced that Oregon was second in the efficiency contest, losing out to Illinois only because the secretary and treasurer sent in their reports too late.

North Dakota was first in professional achievement with 76 per cent, only 4 per cent more than Oregon. Four northwestern schools invited the convention to Seattle for the meeting in 1932. Next year the convention will be held at Minnesota.

Total Registered In Extension 4458

Oregon Students Number 7000 Altogether

According to a report issued November 1, by the University of Oregon extension division, 4,458 students are enrolled in extension classes and correspondence courses throughout the state.

Of these, 2,040 students are studying in the Portland center classes. The University sponsors extension classes in Astoria, Bend, Eugene, Roseburg, Salem, and Silverton, and correspondence students numbering 2,079 people represent every county in the state of Oregon.

Portland students alone are carrying 7,617 term hours of work, while the correspondence students are taking a total of 9,527 term hours. Extension and correspondence students together represent a total of 18,283 term hours which mean that 1,218 extension students are carrying work equal to that of the average student on the Oregon campus.

From one-third to one-half as many men are enrolled in the courses as women.

If the total number of extension students was added to the number of students studying on the campus, it would mean that the University of Oregon offers instruction to approximately 7,000 people.

'Holiday' Will Be Given Tomorrow

A SPECIAL performance of "Holiday" will be given on Saturday night to provide for those who could not get seats earlier in the week. The popularity of the play has filled the house to capacity twice and a large advance reservation has already been made for tonight.

There are still a few seats to be had for tonight and reservations may be made by phone for both evenings. Call \$300 and ask for Guild theatre box office. Seats reserved by phone will be held until 7:45 o'clock. If not claimed by then they will be put back into the rack to be sold at the window.

The curtain will rise at 8:15 sharp.

Men Will Try Out For Debate Squad On November 25

Entrees Will Speak for Six Minutes on Free Trade Policy of America

The debate season is getting under way with all the tryouts coming within the next few weeks. The way with all the tryouts coming off within the next few weeks. The men's varsity tryouts will be held on Tuesday, November 25, in Villard at 4 o'clock. The entrees will speak for six minutes on either side of the question: Resolved, that the United States should adopt a policy of free trade.

Following the varsity tryouts, comes the oratory and extempore speaking tryouts on December 2, at 7 o'clock in Villard. The orations will be 15 minutes long, and on optional subjects. The extempore speakers will be assigned some phase of free trade to speak on for 10 minutes. The assignments will not be made until about two hours before the participants are to speak.

The freshmen will vie for places on the team, December 4, in Villard at 4 o'clock. They will speak on the same question used at the varsity debate tryouts: Resolved, that the United States should adopt a policy of free trade. Those who make the freshman team will have a good chance for varsity next year.

There will be no tryouts for women debaters this year. Instead, all freshman women and women interested in varsity debate are asked to report to the speech division office in room 4, Friendly hall by November 25.

Wife of Frosh Halfback To Arrive Here Monday

Mrs. Joe Lillard, wife of Oregon's sure-fire, frosh halfback, is on her way to Eugene from Minneapolis, Minnesota, to join her husband who came here this fall following "Doc" Spears' acceptance of the position of football coach.

Lillard is awaiting a wire from his wife stating the definite time of her arrival which he sets as Monday noon. Mrs. Lillard is aboard the Northern Pacific train coming by way of Portland. She will establish a permanent residence with her husband here.

Howe's Beach Home Makes Secluded Summer Retreat

A rare bit of primitive forest land, still habited by bears and other wild creatures, is the summer home of Professor H. C. Howe, professor of English. The place is located about a mile from Waldport, Oregon, and is accessible only by ferry. It is so secluded that it cannot even be seen from the beach, being hidden by bluffs and dunes.

"In this day of autos, when you can just step on the gas a little harder to avoid an incoming wave," stated Mr. Howe, "it isn't so hard to reach my place. But in the days when horses and wagons were the chief means of transportation, there were difficulties."

Mr. Howe says that he himself was never in any danger, but that his son was caught there one winter and had to wade through flood waist deep for several miles before he could get out.

Health Week on Campus to End This Afternoon

Program at Gerlinger Hall For All Women To Start At 4 o'clock

Winners in Back and Legs Contest To Be Chosen After Stage Review

A social afternoon with a program of musical numbers, modeling of sports clothes, and selection of prize winners in the week's contests, will take place today from 4 to 5:30 o'clock in the gymnasium of the Gerlinger building, as a conclusion to "Health Week," the first period of its kind to be held on the University campus.

"A cordial invitation is extended to all women on the campus to attend this event," Miss Ethel Mason, general chairman, announced. After the program there will be dancing and refreshments will be served.

All the sororities are represented in the menu contest. Selection of the winning menu will take place at 1 o'clock today.

Beauties in Review Winners in the beauty contest which emphasizes posture as a good health measure, will be chosen after a review of them, on the stage which has been arranged in a southern scene.

"Any effort towards bettering our health is desirable," Dr. Nelson L. Bessing of the school of education observed yesterday in reference to Health week, and continued, "However, I haven't very much faith in the educational significance of the program, health is something that isn't developed in a week."

Health a Habit "The whole problem of health is not a problem of a moment, but a problem of habit, but you do not develop habits in a week," he explained, mentioning that people are prone to keep health rules for a while, and then let down, like some athletes who train vigorously for a season and then be glad it is over."

"The aspects of health should be the daily problems of every person, and are not going to be solved by devoting a special week alone to them," Dr. Bessing declared. "I think most of these week fads we have rest a lot on the expenditure of energy that doesn't bring much return from an educational point of view," he remarked. "In America we have a great tendency to move into a weekly fad—a week of this, a week of that with no great educational significance."

Mrs. Edison Speaks

Mrs. Thomas A. Edison was a guest of honor at the meeting of the Women's Intercollegiate association for Student Government November 13 to 15, held at New Brunswick, New Jersey.

Mrs. Edison believes that a good education should take both practical and cultural subjects, including in her curriculum economics, sociology, psychology, chemistry, philosophy, biology, genetics, literature, history, art and music. She does not consider higher mathematics necessary.