

# Newberg Graphic

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THURSDAY, AUGUST 31, 1916

The Graphic is pleased to announce that the Fernwood band will give a free concert at the city park on next Sunday afternoon from 2:30 to 3:30 o'clock. The boys not only deserve a good audience, but they should have the thanks of the public for their generous offer. Music is elevating and inspiring, and an open air concert on a pleasant afternoon is a great source of pleasure.

It is evident from the fact that the petition for the brewers' amendment had nearly 50,000 signatures that the wet forces have their voters well registered, much better, in fact, than the dry voters. If you are interested in keeping Oregon in the dry column, no more efficient service for the cause can be performed than to see that your neighbors, who will vote with you, are registered. Take the matter up at once and have it over with.

Before departing for the National G. A. R. Encampment at Kansas City last week, William Clemmens raised a Hughes banner to the top of his tall flagpole, large enough to be "read of all men" at long distance, and to remain there until after the election, he said. On last Sunday night somebody carried into effect threats that had been made, by pulling the banner down. The Graphic hazards the suggestion that this would not have taken place had Mr. Clemmens, the G. A. R. veteran, remained at home.

In an address delivered at the Sunday evening union meeting of the churches of Newberg, held at the city park, which was attended by 500 or more people, R. P. Hutton, superintendent of the Anti-Saloon League of Oregon, made a strong plea in the interest of the dry forces in seeing that the voters are registered and then aroused to the necessity of helping wage a strong and vigorous campaign for the defeat of the brewers' amendment, which is being pushed by men who are well supplied with money. He showed that with only six weeks more for registering voters there is yet much to be done, if the day is saved, for the registry list is far short of

what it was two years ago. If the brewers' amendment is carried it will be because dry voters remain asleep at the switch. There is much to be done, and it behooves all who are interested in keeping Oregon in the dry column to beatir themselves.

Many people are being fooled by the argument that is being put forth in the interest of the brewers' amendment. They are caught with the statement that since drinkers are allowed to send out of the state for booze, we might as well let it be made in the state and keep the money at home. They are not aware that if the amendment passes the brewers will be able to run wagons all over the state and deliver booze from house to house. There is a joker in the measure that will put Oregon in a much worse position relative to the sale of beer than we were in under the old license system.

## THE FIGHT FOR MAINE

There is a nationwide interest in the Maine election September 11, at which the state and legislative officers and the congressmen and two United States senators will be chosen, says the Globe-Democrat. Ever since 1840, Maine has been looked upon as a political barometer. The victory of Edward Kent in the gubernatorial election was the first omen of the national Whig triumph. Not the least feature of a campaign noted for its picturesqueness was the song, containing the still enduring lines: "Maine went hell-bent for Governor Kent." The result in Maine is always indicative of the trend. In 1880 the republican candidate for governor was defeated by 169 votes, and the fusionists elected two of the five members of the house. This was a salutary warning, and Garfield's victory in November was due to the arousing of the republican forces. The barometer was less headed in 1884, for Blaine of Maine was republican candidate for president. Yet the republican plurality was ominously small. In 1892 the republican candidate for governor had only 12,612 plurality. It was a straw that showed the direction of public sentiment.

Four years ago the republican governor was elected by only 3295 plurality. The progressives had no ticket, but the defection was manifest. In November Wilson carried the state by 2620. The progressives had a gubernatorial candidate in 1914, who received 18,225 votes, giving the election to a democrat, although his vote fell 5709 short of that of the defeated democratic gubernatorial candidate of 1912. The passing of the progressives made a republican victory probable this time. The chief interest will be in the size of the plurality. If the republicans should win, on the senatorial vote, by as much as 12,000, it would indicate normal republican sentiment. Maine is generally republican, but so is the nation.

Both parties are throwing their best speakers into the campaign. The democrats are especially active. Several of the cabinet members, the speaker of the house and the leading democratic orators of both branches of congress are trying their hypnotic powers on the hard-headed voters of the Pine Tree State.

## C. Y. P. U. NOTES

The young people of Friends church are off for a good social time next Friday evening. All members are requested to meet at the church at 7 o'clock, bringing along with them a quantity of good things to eat, and the social committee will do the rest. They have planned to escort the whole bunch to some place where everybody will have a good time. Remember the time, the place and don't forget the cats. The same band of young people will meet at the

church Sunday evening at 8:45 and go in a body to join with the Chehalem Center young people in their Sunday evening service. Everybody come with us and make this little hike. It will do us all good, both physically and spiritually. The subject for consideration at Chehalem Center will be "Consecration of the Home Life."

Our Presbyterian young people will consider the same subject, with Miss Norma Harvey as leader. Special vocal music will be furnished and a good lively meeting is anticipated. Three of the young ladies from the Friends society visited the Presbyterian society, rendering a special musical number, which was greatly appreciated and added to the life and spirit of the meeting. This is good business—let's do more of it.

Eva Parrett will have charge of the meeting at the Methodist church next Sunday evening, considering the topic, "My Use of the Bible." Mrs. Dart will render a special musical selection at this service.

Bert Miller will lead the meeting at the Baptist church, the subject being the same as our Friend and Presbyterian societies have for thought and discussion. This is a good practical subject and worthy of special thought among our young people.

Let's all begin to pull our forces together for the coming fall season and make our activities in our different societies this winter count for much in real genuine service and uplift to the young people of the community. If your society isn't represented in these notes, you get after your reporter, viz: Friend, Miss Louise Hodgkin; Methodist, Miss Effie Pinney; Christian, Miss Ruby Martin; Springbrook, Richard Haworth; Chehalem Center, Miss Edna Everest; Presbyterian, Miss Miua Lutz; Baptist, Omar Fendall.

## REAL ESTATE TRANSFERS

S T Bently et al to Harry and Emma Wilson, lot 14 Wynooski subdivision, and lots 1 and 2, blk 52, Edwards Add, \$10.

Wm Burg and wife to Paul Fundman, 80 acres in ne 1/4 of nw 1/4, sec 23, tp 5 s, r 8 w, \$800.

P R Fendall and wife to Etta Patriquea, 304.78 ac in Chas E Fendall and Patrick Lynch d l c, tp 5 s, r 7 e, \$1000.

Beratha May and S J Goffard, heirs of, to Fidelity P Sully, e 50 feet of lot 6, blk 3, Newberg, \$959.76.

F E Jansen to Granderson and Mary L Wilson, n 1/2 lots 1 and 2, blk 1, Central Add Newberg, \$10.

Jeremiah Kenoyer and wife to Franklin Yocum, 320 ac in secs 2, 3, 10 and 11, tp 6 s, r 6 w, \$900.

Alic Robertson and wife to CL Fowler and wife, 29.525 ac in Enoch Cooper d l c, tp 5 s, r 3 w, \$400.

F A Turnbun and wife to Berent Severin and Ragna Hinderlie, n 1/2 of ac tract No 10, Hurley's Sub, \$500.

Ashma J Vedder to Cora Vedder Owens, 12 ac in A G Henry d l c, sec 34, tp 3 s, r 3 w, \$1.

Ashma Vedder to Nik and Pearl Pederson, 24 ac in A G Henry d l c, sec 34, tp 3 s, r 3 w, \$1.

Franklin Yocum and wife to Jeremiah Lamson, 420 ac in secs 2, 3, 10 and 11, tp 6 s, r 7 w, \$600.

## LADIES, ATTENTION!

The Woman's Auxilliary to Pacific College wishes to make up a carload of waste paper, magazines, newspapers and clean waste paper. Any donations of paper will be gratefully received. Notify the president, Mrs. Pennington, phone blue 5, and your paper will be collected Wednesday, Sept. 6.

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## MYSTERY OF MERCURY.

An Unknown Factor That Causes the Planet's Erratic Motion.

The planet of Mercury is the smallest of the major planets and the nearest to the sun, which it circles in a little less than three months. It reaches its greatest distance from the sun at periods about sixty days apart. During the year Mercury is morning star three times and evening star three times. Owing to its nearness to the sun it is never visible for more than a period of about two hours after sunset or the same length of time before sunrise.

The eccentricity of its orbit is greater than that of any other major planet. Its greatest and its least distance from the sun differ by nearly fifteen million miles. According to A. W. McCurdy of the Royal Astronomical Society of Canada, the most remarkable characteristic in the motion of Mercury is that when it is nearest to the sun it travels faster than it should if it moved only by the attraction of the known bodies of the solar system.

Astronomers have long sought an explanation of the accelerated motion. Some believe that there are other planets at present unknown between Mercury and the sun—bodies that although numerous are too small to be seen. The movements of Mercury indicate an influence that might be accounted for by the presence of another planet revolving within its orbit. If such a planet really exists, there should come a time when it will appear as a dark spot moving across the face of the sun.

Another way to detect the presence of new planets in the vicinity of the sun is to take observations during a total eclipse. If there are no clouds at such a time the stars become visible as the sun disappears. During the total eclipse of the sun in 1875 one observer saw an object that he thought might be the long sought planet, but no other astronomer has been able to confirm the discovery, and many now believe that the hidden source of the unusual movement of Mercury must be looked for elsewhere than in the orbit of the planet.

## GEOMETRY ON THE BROILER.

As a Study It Is Pretty Well Reached by This Caustic Critic.

Such is a gentleman from whom credentials ought to be required. He has long held a prominent place in education as a matter of tradition. (Just

Why should John and Sally study plane geometry, and indeed how does it come about that they are studying it? That is a question which cannot be put too plainly to teachers of mathematics.

I shall consider for a moment two possible answers: Geometry is useful. You may be told, or geometry affords excellent mental discipline. Geometry is useful. Well, how useful and in what ways? Professor David E. Smith, professor of the teaching of mathematics in Teachers' college, tells us, "Not more than 25 per cent of the propositions (in geometry) have any genuine applications outside of geometry." And a distinguished physicist has assured me that the 75 per cent of propositions that are of no use are it even needed to prove the 25 per cent that are of some use. The teachers of plane geometry have therefore a very considerable task if they are going to justify the time spent on geometry on the ground that geometry is useful.

Nor is their task easier if they take the other horn of the dilemma. Suppose one did get "mental discipline" from geometry. Is it the sort of mental discipline that life calls for and gives?

Geometry as taught is a deductive science. That is, from certain assumptions called axioms and postulates a long series of propositions is developed. If the study of geometry really developed that kind of thinking, whom would it help but lawyers? For practical life calls for a very different type of thinking.

In actual life people observe, or they should observe, and on this basis make a limited inference which leads to action. If the action taken fails, they observe further, construct other hypotheses and act again. It is the method of trial and error.

If there is to be any mental discipline, ought it not to be of the type represented by science rather than the type represented by the conventional treatment of geometry? — Abraham Flexner in Atlantic Monthly.

The whales that swim about the islands which lie off the coast of Norway and Finland in March and April travel immense distances. In May they turn up at the Azores or even at the Bermudas and sometimes pay a visit to the Antilles. They swim fast, for in June they are back again off Norway. Some of these whales have been known to bring back evidences of where they have been, for harpoons of the peculiar kind used off the coast of South America have been found stuck in them.

## LIFE OF THE GUNS.

It Depends Upon How Long the Linings Can Resist Erosion.

The life of a gun depends upon the progress of erosion, which sooner or later is certain to impair the accuracy of fire. Erosion is caused by the action of the explosive gases at high temperature and pressure.

According to the Iron Age, the hot gases cause a thin film of steel to absorb heat. The film expands and becomes set. Upon the release of the pressure it contracts, which causes minute cracks that grow larger with every discharge. As they increase in size they form passageways for more hot gas, and that tends to enlarge them still further. The inner surface thus becomes roughened and the bands begin to corrode. Finally the bore becomes so enlarged that it allows the gases to escape. The shell does not then acquire its proper rotation, and its flight becomes erratic.

All guns except small ones are now constructed with linings in the tube which, when the bore is worn out, are removed and replaced by new ones. The cost of relining a gun is approximately 30 per cent of the cost of the gun. There appears to be no limit to the number of times that a gun can be relined.

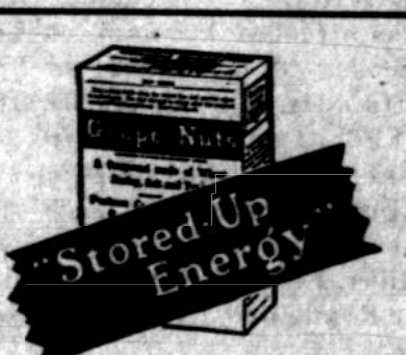
The small arms used in this country are considered to be worn out after 5,000 to 7,500 rounds have been fired. Small naval guns can be fired about 1,000 times before they are regarded as worn out. Large twelve inch and four teen inch naval guns are considered to have a life on one lining of from 150 to 200 rounds.

Low velocity guns, such as howitzers and mortars, have correspondingly longer lives than high velocity guns of the same caliber, because the pressures they develop, and hence the temperatures, are lower.

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