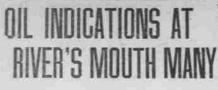
### THE SUNDAY OREGONIAN, PORTLAND, JUNE 1, 1919.



Lower Columbia District Has Great Latent Possibilities.

### HIGH GRADE NEAR ILWACO

Ledge of Limestone on Farm in Pacific County, Washington, Saturated With Paraffin Petroleum.

ASTORIA, Or., May 31 --- (Special)-The lower Columbia river district is noted far and wide for its many natural resources, some of which have been partially developed while others are lying latent. Not the least valu-able of the latter in an industrial sense are the supposed reservoirs of oil and gas thought to underlie this entire section, the one question remaining to be solved bing their discovery in deposits of paying quantities.

Most paying oil fields have been dis-covered by the finding of leaks, which in districts like California are sur-rounded by a residue of black asphalt. There are numerous oil leaks in the section bordering on the lower Colum-

section bordering on the lower Colum-bia river, but they are not so easily des-carnible because the oil here is lighter in color, quickly evaporates and leaves no discoloring substance behind. Largest Leak in Pacific County. The largest and most pronounced petroleum leak in this district is on the Howkan farm in Pacific county, Washington, just four miles north of liwaco, near Chinook, and within 1000 feet of the county highway leading to

Washington, just four miles north of liwace, near Chinock, and within 1000 feet of the county highway leading to Willapa bay. The leak is a ledge of limestone that is fairly saturated with paraffin petroleum, the highest grads oil known to the world and worth in the open markets from four to five times as much per barrel as is the asphaltic petroleum of California. The ground in the immediate vicinity gives out a strong odor of kerosene and when heated bursts into flames, while the pools of water glisten with oil. The combination of the oil with the limentone has formed a soapy sub-stance that when treated in a retort or by the gasoline process produces a liberal percentage of oil that tests have shown to be a paraffin petroleum of the highest specific gravity. Oil Odor Noticeable.

#### Oil Odor Noticeable.

Oil odor Noticeable. The oil odor so noticeable at the Howkan farm is no more pronounced than that noticed by loggers and hunt-ers in the forests both north and south of the river, but only a comparatively few of the leaks have been discovered and reported because the oil is so vola-tile that it evaporates quickly and

and reported because the oll is so vola-tills that it evaporates quickly and leaves no trace, excepting at points where it comes in contact with a lime-stone formation, becomes emulsified and is therefore retained. The investigations thus far con-ducted indicate very strongly that the oil which underlies this section carries in its base what is known as Nehalem becowax. The wax unearthed at the Howkan farm is similar in texture, but several shades lighter in color, than the wax deposits found at Nehalem, which a legendary tals de-soribed as the cargo of an old mission ship wrecked there hundreds of years ago, but which science has proved to be a deposit of oxocerits or mineral wax.

### Only Two Attempts Made.

Only two real attempts hade. Only two real attempts have been made to tap the oil reservoirs of this district. Both met with disaster as the result of unforeseen obstacles, but in each case traces of oil were found. The first one was on the Nelson place at Deep River, where a well was drilled a few hundred feet with every indication of a successful outcome, when work was suddenly suspended for lack of funds, resulting from the alleged de-falcations of the man in charge. The other attempt was at the Hess farm on Young's river, where a well



And Young Men

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> lrafting a constitution which will be ubmitted for ratification to the various organizations represented at the meet-"The purpose of the council will be to infuse the profession with larger ideals of democracy and to ald in any movement, seeking the betterment of schools," said W. J. Sanders, of the North Central high school, a member of the conneil



We Sold Dozens of Duplex Alcazar Ranges Last Week-Demonstration Week. If You Do Not Own a Duplex Alcazar, You

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farm on Young's river, where a well was sunk to a depth of 600 feet, right in the tide lands. This well was filled with water. Dippings made at the top, with water. Dippings made at the top, middle and the bottom of the hole gave a liberal percentage of light colored oil of the same nature as that found at the Howkan ranch. Unfortunately, at this depth the drill punctured the well

of lof the same nature as that round at the Howkan ranch. Unfortunately, at this depth the drift punctured the well and conforence of the organization, nucleon of drifting operations. The past few years, six exported the unquestionable press ence of high grade petroleum and still in the face of all these, aside from the the succeeded the late Joen partial attempts mentioned above, no organized effort has been made the organization of findustrial plans and make the entire district a teeming hive of industrial activity. Statistical district a teeming hive of industrial plans and make the entire district a teeming hive of industrial plans and make the entire district a teeming hive of industrial plans and make the entire district a teeming hive of industrial plans and make the entire district a teeming hive of industrial plans and make the entire district a teeming hive of industrial plans and make the entire of the western states had gathered to night for the opening day of the conference will also vote to sust the western states had gathered to night for the opening day of the conference will also vote to sust the sust the liftle automobile could climb the grade with so heavy a load. Upon being assesses the and the western states had gathered to night for the opening day of the conference will also vote to sust the sust the liftle automobile could climb the grade with so heavy a load. Upon being assesses the angines several times threatened to night for the opening day of the conference will also vote to sust the angines several times threatened to angine several times thereatened to angine several times threatened to angine several times thereatened to angine sever

MILL IS DAMAGED \$20,000 Main Section of Aberdeen Plant

Main Section of Aberdeen Plant

### Narrowly Escapes Burning.

ABERDEEN, Wash., May 31 .-- (Spe-cial.) -- Twenty thousand dollars damage was done to the Donovan Lumber

company's sawmill in South Aberdeen by fire this morning. The loss is fully covered by insurance. Surprise is felt liver his keynote address during the conference. It is understood that the chief aim of his administration will be that the entire mill was not destroyed as the flames were carried through the central portion of the plant and charred heavy timbers and damaged machinery and saws. Had there been to spread the Mormon doctrine among the different nations of the earth. Ac-cording to Mormon authorities, the war drove most of the Mormon missionaries a strong wind the mill could not have out of Germany, Austria, Turkey and Greece and hundreds were recalled from England, France and Switzerland. Now that the war is over, it is under-stood these missions are to be re-estabbeen sayed.

As soon as the fire was discovered the pumps of the Donovan company were started and with the help of employes the flames were held partially n check until the fire departy motorship fireboat was ordered to the fire but its services were not neces-COLT Y

#### Freight on Gravel Reduced.

ABERDEEN, Wash., May 31.-(Spe-chul) - A final reduction in freight rates for gravel and sand hauled for road purposes in Grays Harbor county amounting to about 20 per cent, is an-nounced in a latter received by J. T. Elson, chairman of the chamber of commerce committee handling the mat-ter, from the Portland district freight

Red Cross Makes Appeal. PARIS, May 30.-(Havas.)-The league of Red Cross societies has ad-dressed an appeal to the societies in the United States, Great Eritain, France, Italy and Japan and to 24 national societies for aid in the cam-paign against typhus in eastern and

until all the organizations have rati-fied the constitution. Melvin J. Mallard as Member of Council of Twelve. SALT LAKE CITY, May 31.—Mem-bers of the Church of Jesus Christ of Latter Day Saints (Mormon) gathered here tonight for the eighty-ninth an-nual conference of the organization, Butte With Brakes Set. EDITOR HAS GOOD AUTO

lished and hundreds of young

monism

called to preach the principles of Mor-

River Friends.

to take things easy. However, when the engines several times threatened to stop on the grade the dean made motions as if he intended to get out and puch. When the top was reached to fill the vacancy created by the elevation of President Grant to the presi-dency. He has been president of the northwestern states mission of the church, with headquarters at Portland, and it was desired to set the brake. the discovery was made that it had been set all the way up the hill, the editor explaining that he usually did that so as to make certain he would not forget to do so coming down. President Grant is expected to de-

# California Teachers Organize.

SAN FRANCISCO, May 31.—Prelimi-nary organization of the school teach-ers of the state under the American Federation of Labor was effected here today at a meeting of teachers from San Francisco, Sacremento, Stockton, Vallejo, Benicia, Fresno and other California points.

Frank Hubbard Injured.



HOOD RIVER, Or., May 31.—(Spe-cial.)—Misses Pauline Goldmark, Dor-othy Pope and Genevieve Halleck, of the United States bureau of labor, at-tached to the railroad administration, passed through here yesterday en route from a visit at Mount Hood lodge, Miss Goldmark will also visit the family of Ridgefield Reports Flood. RIDGEFIELD, Wash., May \$1 .--RIDGEFIELD, wash, may al-(Special)-The water has reached a high stage in Lake river and the bot-tom lands used for pasture are all flooded. All live stock has been moved from Bachelor's Island until the water goes down.

> Scattle's Mayor Is Home. SEATTLE. May 31-Mayor Ole Hanson returned home today after making a trans-continental speaking tour in support of the Victory Loan.

And the sentence of the senten

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