

Coquille City Herald.
TUESDAY, AUGUST 13, 1895.
For God, and Home and Native Land.
 EDITED BY THE
COQUILLE CITY W. C. T. U.
 The Coquille City W. C. T. U. meets at the Methodist church, south, every Friday at 3 o'clock p. m. All interested in the work are invited to attend.

Temperance Notes.
 [From the National W. C. T. U. Bulletin.]
 Over 250,000 persons have signed the special appeal to the house of commons in favor of woman suffrage.

The saloons of Iowa capital are all closed on the ground of insufficiency of the petition under the Martin mulct law.

Wisconsin Loyal Temperance Legion has graduated 313 members in its course of study and sixty-three are expected to graduate this year.

A reception to the school board and teachers of Madison, Wisconsin, was given recently by the W. C. T. U. at the home of Mrs. Gor. Upham.

The New Jersey house has concurred in the senate resolution providing for an amendment to the constitution granting school suffrage to women.

The Congregational Monday Club of San Francisco, after being addressed by Miss Anthony and Rev. Anna Shaw, unanimously endorsed woman suffrage.

The W. C. T. U. home for women at Eau Claire, Wisconsin, has been established eight years and in that time has helped 149 young women to a better life.

One of the beneficent works of the W. C. T. U., of Wheeling, West Virginia, during the past year is the establishment of a home for the shelter and restoration of fallen women.

The state convention of the Wisconsin Loyal Temperance Legion was held July 10 and 11 in Berlin. An increase of thirteen Junior and Senior Legions in the past year is reported.

Miss Jennie Smith, national railroad evangelist, is quite ill at her home in Mountain Lake Park, Md., the result of unsparring overwork in the interests of the men to whom her life is devoted.

On Memorial Day over a hundred railroad employes and G. A. R. veterans were hospitably entertained by the W. C. T. U., of Kane, Pa., the Y. M. C. A. having granted the use of their rooms. A liberal lunch was served, two hundred bouquets given and hundreds of pages of literature distributed.

In compliance with the suggestion of the state superintendent of railroad work the graves of railroad men killed while on duty were decorated.

Highest of all in Leavening Power.—Latest U. S. Gov't Report

Royal Baking Powder

ABSOLUTELY PURE

SANDS OF GOLD AND GEMS
 Wonderful Seabeach Deposits of Oregon Explored by a U. S. Survey.

The Sands Are Red With Rubies and Garnets in Beautiful Crystals, and They Bear Gold Also.

Even Platinum in the Grains—Scientific Experts the Beaches May Be Profitably Worked.

[From the San Francisco Examiner, Aug. 4] Washington, Aug. 1.—The metallic treasures of the seabeaches of Oregon have just been made a subject of investigation by the geological survey. Two experts—H. V. Winchell and F. F. Sharpless—were sent three months ago to explore these wonderful sands, concerning the possibilities of which as a source of wealth there has been much speculation.

They contain not only gold, but also considerable quantities of platinum, as well as other rare and precious metals. So rich are they in rubies and garnets as to be actually red in places from the presence of these gems. In one spot there are at least 50,000 tons of sand that holds two to five per cent of garnets and rubies in remarkably perfect and beautiful crystals.

The experts report that in their opinion the gold and platinum might be extracted profitably from these beaches, while the rubies and garnets would be valuable in the manufacture of emery wheels.

The sands of the seashore are rich in gold all along the Pacific coast from Point Mendocino in northern California to the mouth of the Umpqua river in Oregon. Cliffs on the ocean front commonly contain gold, and where washed by the waves the shore for miles actually glitters with speckles of the yellow metal.

What appears today is either washed away or deeply buried tomorrow. Many attempts have been made to extract the precious stuff from the sands, but, as a rule, they have been unprofitable. The metal-bearing strata is some distance below the surface, and the overlying material is apt to be washed back by the sea as fast as it is removed.

In a few places such work is still carried on at intervals, and each year these beaches contribute something to the world's store of gold.

The locality upon which Messrs. Sharpless and Winchell bestowed their chief attention was near the mouth of the Coquille river, in the southern part of Oregon. The tract here explored extends along the seacoast for two miles and runs about an equal distance inland. Digging discloses the fact that the sands are divided into well-defined layers, and in them are embedded many trunks and stumps of trees, some of them of the gigantic redwood. Naturally, the metals being heavy, occur in the deeper strata.

Gold and platinum are found mostly in a layer of black sand, which varies in thickness from a few inches to 12 feet. On top of the black sand is a stratum of gray sand, which is not so rich.

The gold in these sands occurs in the shape of minute scales. These yellow flakes are so extremely small and thin that frequently they will float in water, on account of minute air bubbles which collect upon them. Some of them are almost microscopic, and often they have the form of small cups or basins. Here has been a fruitful cause of disappointment to miners. When a prospector under ordinary circumstances finds 20 or 30 specks of gold in his pan he assumes that the material will yield at least \$2 or \$3 to the cubic yard. These seabeach scales are so very thin that the average value of 600 "colors" is only one cent. It is a remarkably large "color" or scale that measures an eighth of an inch in diameter.

At present market rates it is worth \$6 an ounce. A couple of years ago a big syndicate bought up the entire visible supply of this metal, actually setting out to purchase all the scrap platinum existing in the world. But there was more of the latter than had been counted upon, so it was found impossible to control the market. This speculation carried the price of the substance up to \$18 an ounce—a circumstance very annoying to scientific men, who use it for instruments of precision, and especially for chemical apparatus, inasmuch as it will stand the fire of the blowpipe and does not corrode. Electricians also utilize quantities of platinum—an inch of wire for each incandescent lamp, in connection with telegraphic instruments, and in every place where the passage of a spark creates ozone to oxidize the metal points it passes between.

Messrs. Winchell and Sharpless express the opinion that platinum could be extracted from the sands at the mouth of the Coquille river coast. It is found on the Pacific coast wherever gold occurs, though its distribution is not uniform, much being discovered in some places and very little in others. Samples submitted to test yielded two ounces of platinum to the ton of sand, which is enough to pay. Four-fifths of the platinum that applies to the world is obtained from two mines in the Ural mountains, Siberia. They are gold mines, the platinum being a by-product. Both metals are got from "placer" deposits, being found mingled with the sands that have been worn away from the hills by running water.

Twenty-nine hundred carloads of earth must be washed to yield 15 pounds of platinum. Nuggets are very rare, the biggest on record being now in the Dresden museum. It is about as big as a tumbler. Samples of sand assayed by the two experts yielded small quantities of those rare metals, iridium and osmium, but it is very doubtful whether they could be extracted profitably. Iridium is now quoted in the market at \$15 an ounce, and osmium at \$60 an ounce. The latter, it will be observed, is nearly three times as precious as gold. Iridium and platinum are the only metals that are heavier than gold. The former is utilized to some extent for making scientific instruments, not being susceptible to corrosion.

In the beach sands described are found considerable quantities of a very extraordinary white metal, or rather mixture of metals. This natural alloy, known as "iridosmium," is composed of iridium, osmium, rhodium, platinum and ruthenium. Rhodium, by the way, is quoted at \$12 an ounce; but it is by no means the most precious of metals, gallium being worth \$3000 an ounce. These metals are more laboratory curiosities, however; the prices are nominal, inasmuch as there is almost no market for them. The only important use for iridosmium is in tipping gold pans. It is employed in this way because it resists acids. For the purpose mentioned the grains of it, which are flat like gold-dust, are picked out from the sand with magnifying glasses.

It should be mentioned that the sands of all beaches contain gold, though the quantity is usually too small to pay for separating it. There is so much gold in sea water that a single bucketful of it reveals a yellow trace on analysis. Every ton of water in the ocean contains about one grain of gold, which is enough to gild 56 square inches of surface, or it may be drawn out into 500 feet of wire. In the Indian Ocean is a volcanic island, the sands along the shore of which are filled with gold-colored crystals of chrysolite or "gold stone." These crystals glitter in the sun, and about a century ago a crazy Frenchman, struck with the brilliancy of the pebbles, supposed that he had hit upon unlimited wealth. He collected quantities of them, heated them in a crucible, and fancied that he produced ingots from them. Only a few years ago a lot of chrysolite-bearing sand from the same

island was shipped to France and made a great sensation. People went wild about it and companies were organized to begin mining operations along the strand of the golden isle. Much money was wasted in the enterprise.

The suggestion to the effect that the rubies and garnets of these sands might be utilized in the manufacture of abrasives is an important one. In 1893 there were 1713 tons of emery produced in this country, worth \$83 per ton. The value of the emery imported during the same year amounted to \$127,767. Rubies are better than emery as a material for emery wheels. The sands all along the coast of Oregon hold a large percentage of magnetic iron. This is easily separated by means of magnets, and the invention of the electric furnace has made it practicable to smelt it. Eventually it may become feasible to concentrate the sands for the iron-producing steel of exceptionally fine quality or for certain purposes and saving the gold and platinum as by-products.

The difference between Pills and Simmons Liver Regulator is just this: Pills don't go down very easy with most people, and you feel them afterwards. While Simmons Liver Regulator in liquid or powder is very pleasant to take, and the only feeling that you have afterwards is the great relief that it gives from Constipation, Biliousness, Sick Headache and Dyspepsia. It is a mild laxative and a tonic.

Of course—the supreme court handed down a decision in the case of J. B. Eddy, railroad commissioner, vs. H. R. Kincaid, secretary of state, affirming the decision of the lower court. This is a victory for the commissioners, who will now be paid their salaries.

The graduate may now calmly step aside and wait for the world to catch up.

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The big log raft left Astoria on July 27 and was transferred to the steamer Mineola off the mouth of the river at 5 o'clock that morning, and started for San Francisco. The weather was favorable. The tug Relief took it to the mouth of the river. The raft drew 20 feet of water and is 580 feet long. The raft has since arrived safely at San Francisco.

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G. A. R. NOTICE.
 We take this opportunity of informing our subscribers that the new Commission of Pensions has been appointed. He is an old soldier, and we believe that soldiers and their heirs will receive justice at his hands. We do not anticipate that there will be any radical changes in the administration of pension affairs under the new regime. We would advise, however, that U. S. soldiers, sailors, and their heirs, take steps to make application at once, if they have not already done so, in order to secure the benefit of the early filing of their claims in case there should be any future pension legislation. Such legislation is seldom retroactive. Therefore it is of great importance that applications be filed in the department at the earliest possible date. If U. S. soldiers, sailors or their widows, children or parents, desire information in regard to pension matters, they should write to THE PRESS CLAIMS COMPANY, at Washington, D. C., and they will prepare and send the necessary application, if they find them entitled under the numerous laws enacted for their benefit. Address: PRESS CLAIMS COMPANY, P. O. Box 386, Washington, D. C.

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DRUNKENNESS AND MORPHINE HABIT destroyed by the use of our SPECIAL FORMULA GOLD CURE TABLETS. During treatment patients are allowed the free use of Liquor or Morphine until such time as they shall voluntarily give them up.

We send particulars and pamphlet of testimonials free, and shall be glad to place sufferers from any of these habits in communication with persons who have been cured by the use of our TABLETS.

HILL'S TABLETS are for sale by all first-class druggists \$1.00 per package.

If your druggist does not keep them, enclose us \$1.00 and we will send you, by return mail, a package of our Tablets.

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DO NOT BE DECEIVED into purchasing any of the various nostrums that are offered for sale. Ask for HILL'S TABLETS and take no other.

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THE OHIO CHEMICAL CO.
 DEAR SIR:—Some time ago I sent for \$1.00 worth of your Tablets for Tobacco Habit. I received them all right and, although I was both a heavy smoker and chewer, they did the work in less than three days. I am cured. Truly yours, MATTHEW JOHNSON, P. O. Box 45, PITTSBURGH, PA.

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 GENTLEMEN:—It gives me pleasure to speak a word for your Tablets. My son was strongly addicted to the use of liquor, and through a friend, I was led to try your Tablets. He was a heavy and constant drinker, but after using your Tablets but three days he quit drinking, and will not touch liquor of any kind. I have waited four months before writing you, in order to know the cure was permanent. Yours truly, HELEN MORRISON, CINCINNATI, OHIO.

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