

Crook County Journal.

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CROOK'S GEOLOGY

From the Pen of Thron Thronson.

Also Mineral Resources.

He Gives Some Facts Acquired by Personal Experience and Study That Are Now.

The region is mainly a broken plateau lying in the great lava field of the North-West, the Quaternary outbreaks of Basalts and Dolerites being the characteristic rocks with minor Rhyolites, Trachytes and Andesites. The canyon of the Deschutes traverses the county from north to south and the uplift forming the western Blue Mountain spur crosses from east to west, terminating at the canyon, while the eastern boundary line is formed by the north and south Blue Mountain spur and the Western by the Cascade range. The rock characters referred to are generally unproductive of metal bearing veins, yet here and there occur as local developments, not intrusions, tracts of productive rocks, usually Porphyrites, and this feature is characteristic of the entire outbreak, due to lack of rock making elements.

ASHWOOD AND TROUT CREEK DISTRICT.

In the northern portion of the county on Trout creek, a tributary of the Deschutes river, is found a tract of Porphyrite, the productive rock alluded to. A number of veins occur as fissures of the Porphyrites, the principal development rock as yet being the "Silver King", one of the properties of the Oregon King Mining Company. A shaft on the dip of the vein exposes the ores to a depth of 600 feet, good volume and values showing. The ore oxidized at the surface consists of sulphides of iron, zinc, lead and copper, carrying good values in gold and silver, the gangue being more or less altered Porphyrite with some quartz constant, and occurring along a line of injury, a hinge faulting movement incident upon foldings. Other veins have been developed but none to the depth merited; some work is being done, but the camp is practically tied up, due to the litigation over the Silver King. In the Axe Handle district five or six miles to the east, some exploration work has been done at numerous points, but none have reached a depth sufficient for demonstration, although good values have been encountered. Eight miles to the south, at the Morning Star Mine, work is being actively pushed on a vein from which good values were had in the upper levels.

Ochoco.

On the south slope of the Blue mountain spur near the headwaters of Ochoco creek, occurs another tract of Porphyrite, and here likewise are numerous strong veins, fault-fissurings due to folding movements. Considerable development work has been done, but only in a superficial way, yet from these shallow workings a great amount of ore has been extracted, some of which has been shipped at great expense, never-the-less yielding good profits. These properties have recently changed hands for a large amount, the new owners intending to permanently develop the ground with deep workings, to follow up with a plant for the treatment of the ores. The ores are Sulph-Arsenides of iron with slight Antimony Sulphides

and carrying high values, chiefly in gold, and occur as replacement of the Porphyrite along lines of faulting. The placer deposits of this district have yielded large amounts of gold, ground having been worked which yielded as high as \$50 per day per man by the old ground sluice method.

LOOKOUT MOUNTAIN.

To the south of the Ochoco camp a distance of six or eight miles, on Lookout Mountain is a type of Serpentine as a transmutation from fine grained Basalt. Cinnabar has been found. Bitumen is associated with the ore under conditions proving an origin other than organic for this substance.

But slight development work has been done although the region merits exploration, and careful search to the east and south to main Crooked river may reveal large bodies of this ore, the peculiar rock development warranting this conclusion.

BEAVER CREEK.

In the north and south Blue mountain uplift on Beaver creek and tributaries are extensive deposits of gold bearing gravels and veins of gold, silver and copper ores. Conditions here are different. Limes, Shales, Quartzites and Conglomeration prevailing over great areas. But little attention has been given to this region and the prospector who will go over this country carefully and understandingly will discover valuable ground. On the lower slopes among the foot-hills has been found coal of fair quality and the conditions near by suggest the existence of profitable measures. Coal has also been found on the divide between Trout creek and

to be of importance.

THREE SISTERS.

Crossing the south end of the county from this point we meet the immense fields of fossil life of the post tertiary buried by the vast outpourings of lavas, animal life over whelmed in the waters where safety had been vainly sought, going out in a catastrophe likened to which the passing of Pecos is but an incident. Beyond, the stretches of scoriaceous lavas reach to and from the Cascade range, on the north slope of the Sisters the river of black lava giving to the region an air of the desolation of death, strange and weird, but abounding in object lessons in Dynamical Geology. Tracts of productive rock occur in the vicinity of Three Sisters, but the prospector, under the mistaken impression that the region is unproductive, has not given it the attention he should, more especially on the southerly slopes. Near Mt. Jefferson is another region deserving attention.

Returning to the interior. On Trout creek, Cherry creek, Crooked river and its tributaries, in Dolerites and overlying sheets, at points having much in common with Rhyolites, occurs a substance which is the subject of much difference of opinion. The Smithsonian Institute holds that it is "Bat's Guano," while the department of agriculture maintains that it is a Resin-fossil allied to the the Ambers. Much local opinion is with the former. However, after a careful investigation of the conditions under which the substance originates, the conclusion is definite that the occurrence is allied to the ordinary fuel and illuminating oils, forming through a process of leaching setting up in the rock's mass as a result of extreme injury, the rock being pri-

(CONTINUED ON PAGE FIVE.)

THE COUNTY NEWS.

Our Correspondents Are Punctual.

News From All Quarters.

The Journal Has the Best Correspondents Of Any Paper In Interior Oregon.

Home and Items.

We had a slight snow fall yesterday, which brings many a frown to the stockman's face.

Geo. Beatty and his little grandson are confined to their beds with la grippe.

D. A. Findley is feeding a bunch of cattle and horses for Mayfield Bros.

The road supervisor says some one is enjoying himself by destroying guide boards, but hopes with close scrutiny to catch the miscreant.

Born, February 26th to Mrs. Frank Rease, a son. Mother and child doing well and with careful nursing Frank will recover.

Wm Bogue is quite sick with the la grippe.

Geo. Sly came up from Bend last Friday, but will soon return.

D. Wilhelm returned to your city last Friday with a crowd of timber people.

Chas. M. Willey and S. P. Donkel returned from Silver Lake last week. Mr. Donkel has sold his property here and contemplates moving to Bend in the near future.

WILLIE.

March 9th, 1903.

Willow Creek Items.

About two inches of snow fell Saturday night.

Grass is beginning to show signs of appearance.

Hay seems yet to be legal tender. While the treasured article is scarce no one is altogether without.

Mr. C. Montgomery is a Prineville visitor this week.

Sunday school every Sunday at 10:30 a. m.

Mr. Wm. Joslin has moved his family home. They have resided here to give their children a chance to attend school. They are greatly missed by us.

We have now begun the work of the fifth month of school. Two months yet remain. An entertainment is anticipated at the close of the term.

The Willow Creek Live Stock Association held its annual meeting last Saturday. An interesting meeting is reported. Mr. W. C. Wills presided, who is said to have delivered an interesting and valuable talk to those members present. The following officers were elected: Wm. Quinn, president, George Dee, secretary, and Henry Montgomery, Wm. Joslin, M. Wheeler and Joe Smith directors.

A very enjoyable evening was spent at the home of Mr. and Mrs. C. Waurinofsky last Friday. The evening was spent in games after which refreshments were served. Those present were: Misses Dora Allen, Carrie and Jane Hamilton, Julia, Stella and Ethel Newbill, Lizzie Degner Florence Montgomery, Eva Hussy, Mesdames Mary Pitzer, C. Montgomery, Henry Montgomery and Messrs. Roy Chitwood, Roy Joslin, Harry Pitzer, Joe Montgomery, Lambert Langdon, Johnnie Backman, Ward Jamison, Printice Pitzer, Clair and Port Quinn, and John Edwards.

WILLOW CREEK SCHOOL.

Howard Items.

Claud Wright started for Dawson city on March 10th.

James Zevely and Mrs. Rose Klum, were visitors at Clyde Hon's home last Sunday.

W. J. Wright and wife were visitors at J. J. Pierson's last Sunday.

Hawkin Bros. intend to commence sawing about the first of April.

Lewis McCallister has been up at the Ochoco mines the past week making active preparations to start work at the mines in the near future.

George Herford spent the past week at Antelope.

James Hawkins made a flying trip to Prineville last week.

James Dyer and wife have bought what was formerly known as the John Hon ranch.

Ashwood Gleanings.

"Long Bill" Short was a visitor in town last week.

K. Dean Huston and wife were visitors in town last Monday.

"Frenchy" Estebenet of Shaniko was a visitor in town Tuesday.

Lyn Nichols of Hay Creek was a visitor in Ashwood last Friday.

Rev. S. E. Hornbrook, of Antelope preached two interesting sermons here last Sunday.

W. A. Powne of the Morning Star camp was visiting in Antelope several days last week.

O. M. Riser and D. F. Germain, Knights of the Grip, were interviewing our business men here last Saturday.

Arthur Stubbing, of The Dalles, was in town yesterday, in the interests of his father's wholesale liquor house at The Dalles.

H. Clay Grater and wife have been visiting at the Griffiths place, on the John Day River, during the past week.

We are glad to learn that C. M. Cartwright, who has been quite ill in Portland, is improving and on the road to recovery.

Dr. Harold Clark and wife are visiting in town this week. They are the guests of Mrs. Clark's mother, Mrs. Joe Breeding.

John Knight is doing the assessment work on the Umatilla claim, which belongs to Saylor and Duncan, of Umatilla.

A. V. Buffington, who has been prospecting for Thron Thronson for some months, on the West side of the mountains, returned to this camp several days ago. He has located some very promising property about 35 miles from Springfield.

J. W. and J. C. Robinson returned last Wednesday from Shaniko, where they spent several days in the interest of their new mining company, the Gold King. They were successful in floating considerable stock in the company, and expect to proceed immediately, with the development of the property.

Thron Thronson returned last Thursday from Shaniko, and left next day for Prineville and the Ochoco country. Mr. Thronson expects to begin at once, the development of his mining property in that region.

Lumber \$10 Per M.

After January 1, 1903, we will sell lumber at our mill on the Ochoco for \$10 per M.

NEWS BRIEFLY TOLD

Items of Interest Gathered Here and There

Some Stolen, Others Not

Cullings From Our Exchanges—News Notes of the Week—Timely Topics.

The new United States cruiser Baltimore is to be fitted with steel furniture throughout.

Sealskin dog blankets made to order are on sale in New York. The cheapest have no handkerchief pocket, and cost \$50.

Editor Charles Emory Smith, late Postmaster General, says newspaper work is a delightful change from "listening to the plaints of disappointed office-seekers."

A United States Fish Commission expert has decided that fish can hear. This may make fishermen more careful of the stories they tell.

Last week the Z X stock people of Paisley, started 2200 head of cattle for the desert range, their hay having run out. This lot was preceded by 1200 the week before.

The President expects to go west on the 26th of March. He will be accompanied by Secretary Root and possibly other members of the Cabinet.

Free Trade with Porto Rico has resulted in increasing American exports to the island from \$2,000,000 to \$12,000,000 in five years. Imports from Porto Rico have increased from a little less than \$2,000,000 to \$9,634,000.

Mr. Hearst, the father of yellow journalism, and of nothing else legitimate, has been in Washington coddling his presidential boomlet. He has a retinue composed of the despairing and the desperado element of the late democratic party.

The Burns city election held last week, was a quiet one, according to the papers from that place. The principal fight was centered on the office of Marshall. Dyke Jamison was elected by a majority of one, on the no-whiskey to Indians platform. It seems that our sister city is a good way behind Prineville in her method of dispensing whiskey.

A negro in Mississippi, who has just been discharged by President Roosevelt from a federal office, has established a newspaper with at least thirty circulation. His editorials, without reading between the lines indicate that the fate of the country depends upon the election of another man in 1904. Things in his office look shaky for Roosevelt.

It is noteworthy that the roll call of senators is largely a roll call of former governors of states. This is true of Stone of Missouri, Clark of Arkansas, McCreary of Kentucky, Perkins of California, Foraker of Ohio, Tillman of South Carolina, Wetmore of Rhode Island, Nelson of Minnesota, Bate of Tennessee, Dietrich of Nebraska, Warren of Wyoming, both Proctor and Dillingham of Vermont, Foster of Louisiana, and others.

The Retail Lumber Dealers' Association, of San Francisco, has made another advance in prices. Six months ago the price of rough Oregon pine was from \$10 to 12 a thousand, and now ranges from \$19 to \$21 a thousand. Finishing pine, which is clear and free from knots, is worth today from \$30 a thousand upwards. Last year No.

2 flooring cost \$20 a thousand; it is selling at from \$30 to \$31 a thousand feet. Comparatively little sugar pine is used, and then only for doors, sashes, etc., for it costs from \$70 to \$75 a thousand.

Lately a man from the east and a man from the west were arguing about the speed of trains in their respective parts of the country. Naturally, each wished to claim honor for his own section. Said the Westerner: "I was traveling on the Pacific Railroad, when on the side of the track we passed a snow shed a mile long, which flashed past us like a telegraph post—we were traveling so fast."

"Oh," said the other, "we go a lot faster than that. Why, last week my wife came to see me off from my place, and as I leaned out of the train window to kiss her the train started, and I kissed a cow looking over a fence fourteen miles away, instead of kissing my wife!"

Report of District No. 18 for a term of six months ending February 27, 1903.

Total No. of days taught, 113; total No. of Holidays, 7; average No. belonging, 16; total No. of girls belonging, 8; total No. boys belonging, 8; total No. days attendance, 1759; total No. of days absence, 49; No. of visitors, 22.

B. F. WILHOTT,
Teacher.

A Wonderful Discovery.

One of our leading western physicians on being interrogated as to what he regarded as the best remedy for all diseases that the human flesh is heir too, and what is the best preventive promptly replied, Portland Club whiskey, as I know it is a pure bourbon, well matured, and aged in wood—for sale by all first class dealers.

Coal Discovered.

Coal has been discovered in the eastern part of the county in considerable quantities, and reports keep reaching us of the fine prospects had by several parties. The coal indications seem to be general from the Heppner country south, and extends for a distance of perhaps 200 miles, varying in width. A partial analysis by Dr. W. W. Taggart of this city, shows the coal to be very rich in volatile carbon showing quantities from 40 per cent to 75 per cent, and is about 40 per cent coke. The prospects show the vein to be superceded by a layer of shale, and indications would suggest a thickness of five feet of coal of at least six feet. It is only a matter of time until development work will commence on these properties. When they do we predict that Crook county will take her place among the coal producing sections of the west.

Genius and Drudgery.

Paderewski, when told by her royal highness, Princess Victoria, says an exchange, that he was "surely inspired" answered:

"Your royal highness will, I dare say, be surprised when I tell you that I remember the day when I was quite an indifferent player. I was determined, however, to be what the world calls a genius, and to be a genius I well knew that I must first be a drudge, for genius and drudgery always go hand in hand. Genius," and Paderewski spoke excitedly, "is three quarters drudgery; that's what genius is. I at one time practiced day after day, year after year, till I became almost insensible to sound—became a machine, as it were. Now 'Paderewski is a genius,' says the world! Yes, but Paderewski was a drudge before he was a genius!"

We have a tenant for a farm from 160 to 640 acres. Anyone having such a place would do well to call at this office.

JOURNAL REAL ESTATE AGENCY.