

MINES AND MINING

GENERATION OF KNIGHT SMELTER

Camp of Tintic Arranging Big "Blow Out" to Mark "Blowing In."

The people of Tintic are to be given an opportunity of celebrating the opening of the new Tintic smelter. The celebration, which is being arranged by the Tintic Commercial club, promises to eclipse anything of the kind ever undertaken in Utah—it will not only be a red letter day in the history of Tintic, but the entire state, says the *Europa Reporter*.

The "blowing in" of the new smelter, with a capacity of about 1,000 tons of ore daily, and the promise that the plant will be in operation by the end of the month, marks the opening of a new and more prosperous era for the greatest mining district in Utah and the people of Tintic. The anxious showing their appreciation of the splendid work which a small bunch of capitalists is doing for this district. Tintic mines have been pouring their wealth into the lap of the state and nation for two score years, and yet they are in their infancy. The deepest mines have failed to get below the ore zones, and there appears to be absolutely no limit to the camp's possibilities. New mining camps are continually springing up, some of which make good, while others occupy the center of the stage for a short time only and then their brilliant careers fade away and we hear no more of them, but Tintic goes plunging along producing millions upon millions of dollars for its owners and among the mines for years is just beginning to realize the wonderful merits of the district.

When "Uncle Jesse" Knight started in to erect a smelter here the majority of the mining men of Utah said that it would never be completed. People who would bluff to bring the smelter trust and railroads to look. One by one they have been forced to look at the proposition in a different light. Mr. Knight started in to erect a small independent smelter, and as the work progressed he and his associates realized that a much larger plant would be needed, and consequently the original plans were altered. In addition to putting up a smelter, which will be an important feature in the smelting industry of the state, they have constructed a railroad for the purpose of connecting their smelter with the mines from which it will draw its supply of ore. That they displayed great wisdom in selecting this district as a site for the plant is manifest upon every hand. All the different characters of ore needed in smelting are to be had here, the facilities are good, there is absolutely no danger of a clash between the smelting and farming interests and instead of sending the Tintic ore away for treatment, the railroads will soon be bringing ore into Tintic.

It is quite probable that the celebration and barbecue in honor of the opening of the smelter will be held on July 4, although the date has not yet been fixed. Last week George McCune and S. J. Schmitzer, the committee appointed by the Commercial club, called upon and consulted Jesse Knight regarding the proposed celebration. Mr. Knight was highly pleased to see the organization and the people generally taking an interest in the matter, and promised them all the assistance possible. Excursions will be run to Bureka and the program of the day will be an interesting one. The crowning feature will be a big barbecue in the evening. Mr. McCune was in Park City on Monday to secure information regarding this part of the program, as a similar celebration was held in that camp but a short time ago.

OPENING UP MINES WEST OF BLAIR, NEVADA

A gentleman just in from the Silver Peak district reports great activity around the various camps and particularly at Coyote Springs, which is about five miles west of Blair. One of the Los Angeles companies has invested extensively near the springs. They have sunk a shaft and are drifting from the bottom of the shaft. They have encountered a fine body of ore and are getting the stuff to the surface by means of a gasoline hoist. This company will shortly install a forty-stamp mill.

Miss Lillian K. Malcolm, who is known as one of the most progressive mining women in the state, who not only puts her own capital into development, but who works in large measure among financiers and investors in the United States, is doing considerable work on her property, the Scotch Lassie, which is located at Coyote Springs. She has sunk a shaft to a depth of forty feet, at which point she has encountered a vein of ore that carries fine gold. The people interested with Miss Malcolm, as well as herself, are highly jubilant over the find.

PROCESS TO COMBINE COPPER AND STEEL

For many years an effort has been made to combine copper and steel whereby steel would offer resistance to corrosion. All efforts in the past have been futile, but a recent find has shown that between the two metals a film of moisture is impounded which in time causes the steel to corrode and the copper to oxidize. The Scientific American now announces that a solution of the problem has apparently been successfully made by drawing one metal over the other, he welds the two together. Broadly stated, his process consists in thoroughly cleaning a band or a welding temperature without permitting access of air and consequent oxidation during heating; contacting with it on the

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cleaned surface a highly heated or "superheated" mass of molten copper, segregating from the mass in immediate proximity to the base a layer of the thickness desired in the subsequent compound ingot; allowing the base and coating layer to be chilled from the base, the compound drawing the drawn wire desired. The steel core or base used may be an ingot bar, bloom, billet or other commercial form, and may be of any desired cross-section, as round, square, oval, etc., and any size.

If the billet is to be made into structural steel wire or rods, where resistance to the corrosion of the elements is alone desired, the coating layer may be very light, indeed as low as 10 per cent, by volume, of the steel. If, however, the wire is to be used for the transmission of electric current, the coating is made heavier, in order that it may present less resistance to the current. Hence 20, 30 or 50 per cent of the conductivity of a copper wire of the same size is produced with consequent great increase of tensile strength because of the presence of the steel.

OLD MEXICAN MINE WORKING AT FLORENCE

Another great proof of the vast mineral resources of the Nevada district is the discovery of an old Mexican mine about six miles southwest of here, says a *Florence, Nev.*, correspondent of the *Winnebago Statesman*. The Ferguson party made the lucky discovery yesterday. There are 42 inches of ore in place at the mine, and a 300-foot tunnel, estimated from panning to be worth at least \$60 per ton. The ledge is almost a perfect blanket.

The old landmark in the country is an old abandoned Mexican arrastra down near Leonard creek. Judging from the heavily worn rockbeds it can be seen that this arrastra has handled a vast amount of ore in its day. The mystery naturally has been: Where did the Mexicans get their ore? The mystery is now partially solved, as it is believed other Mexican diggings will eventually be found in this district. Mexicans would not work cheaper ore than \$5 or \$10 per ton.

It might be proper to mention here a little of the history of Mexican arrastra mining during the early part of the last century. In 1825 there lived in Los Angeles a wealthy Mexican named Salvador Rodriguez. Los Angeles was then the Mexican capital of California, and California then embraced the country of Nevada and much of the southern portion of Idaho and Oregon. At this time Rodriguez was governor of California, and he conceived the idea of sending into the interior at his own expense prospecting parties for a period of two years at a time. His return from the first party, 25 per cent of the bullion brought back to Los Angeles. It is known he profited largely in the transaction.

This enterprise flourished until 1846, when American occupation began. In this year General John C. Fremont in his report to Washington stated that the amount of gold bullion was in the Los Angeles mission, though no gold mines were to be had.

"DENVER MUD" MINE IN DEATH VALLEY

It is said that Professor and Mrs. G. L. Bossemeyer, who left Blair, Nev., for Chicago, where Mr. Bossemeyer, who is an experienced chemist, will start a company to exploit a deposit of antiphotogenic which he has discovered in Death Valley, near the Grapevine springs. From tests made it has been shown that the product is one of the most superior in the country. Chemical analysis proves that it is even better than the Colorado deposit, from which the main world's supply has hitherto come. It is an admirably aluminum tuff, which it is claimed possesses great medicinal properties. Professor Bossemeyer has talked with old Indians and they tell him that there are traditions to the effect that tribes from various parts of the country frequented the springs and were cured of various and sundry ills. It is the intention of the professor to organize a company at once to handle, reduce the stuff and prepare it for the market.

Tintic Mining Notes.

(Eureka Reporter.)
The Opeks mine at Mammoth was closed down last Saturday. The shut-down is only temporary and the development of the mine will probably be taken up again within a week or two. In the meantime some repairs are being made to the boilers.

When asked regarding the progress now being made with the tunnel at the Black Jack, Superintendent John Roudy said that work is now being carried on at one end only. This tunnel is being driven under contract and there is a 200 feet of drifting to be done before the work is completed.

James Creighton, superintendent at the Dalton and Lark mine near Bingham, and E. J. Ziglar, a well known mining expert, have been here for several days examining some of the mines in the area. The recent assessment upon the Victor Consolidated stock is undoubtedly for the purpose of paying off the judgment against the company. The suit, which was recently compromised has been pending for several years and when the Victor company pays over \$3,500 to the heirs of Joseph Hartman, who brought suit for stock which they alleged was due them, the litigation will be brought to a close.

SUMMER SCHOOL.

Commencing June 1 and continuing for ten weeks, the L. D. S. Business College will give courses in Bookkeeping, Business Arithmetic, Short-hand, Typewriting, English and kindred subjects. Special drill will be offered in those subjects required for examinations in Civil Service. Tuition, \$10.00 for the term. Send for catalogue.

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MINE IS SOLD FOR \$108,206

Sevier Consolidated Goes Under the Hammer to Richfield Operator.

Richfield, May 30.—The Sevier Consolidated Gold, Silver & Prospecting company was sold yesterday at the front door of the court house in Richfield under the hammer. The property was bought by W. H. Seegmiller of Richfield, who acted for the creditors. The amount it was sold for was \$108,206. This amount includes the mortgage of \$25,000, which is held by Charles Lammerdorf of this city.

This property is considered to be the richest in the Gold Mountain district. It has on it a new mill and power plant which has been in commission only about a year. The richest ore that has ever been found in that camp has come from the Sevier mine, and people who are acquainted with the property claim that there is any amount of rich ore still in sight to run the mill for several years to come. The property has been idle about a year, or ever since it went into the hands of a receiver.

WORKING TO THE DEEP IN MONTGOMERY-SHOSHONE

The big triple-compartment shaft at the Montgomery-Shoshone Consolidated is nearing the 700-foot point, 95 feet of sinking having been accomplished, says the *Rhyolite Herald*. Work with two shifts of miners is in progress, and in a few days the work of cutting a station on the 700 will be started. Just as soon as possible, laterals will be run to explore the ore bodies, and it is hoped that the sulphide zone will be developed at this level, which is 200 feet below water.

The big mill is keeping up its usual gait, two shifts working. Another carload of rich concentrates has been shipped to Salt Lake City. Lateral work is being continued on the lower levels.

SHAFT TO BE SUNK ON THE LOST JOSEPHINE

Provo, May 21.—Mr. Drury of Springville has taken the contract for sinking a shaft 125 feet on the Lost Josephine mine, on Currant creek, in the Strawberry valley, region, and located by a Provo company. He will go out with twelve men to begin the work Thursday.

J. OBERDORFER, Stock Broker, Tel. Bell 792, 161 South Main St.

TEACHERS' EXAMINATION.

An examination for Salt Lake City teachers will be held in the Lafayette school building on Monday and Tuesday, June 1 and 2, beginning at 9 a. m. of the first day. All teachers and candidates not holding certificates valid for 1908-1909 are expected to take this examination. Candidates for high school certificates will please notify the undersigned not later than Thursday, May 28. Pens, ink and paper will be furnished. Very truly, D. H. CHRISTENSEN, Chairman Board of Examiners.

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Salt Lake & Ogden Railway Co. Time Table in Effect May 31, 1908.

Trains leave Salt Lake and Farmington

5:50 a. m. 10:30 a. m. 11:30 a. m. 12:30 p. m. 2:30 p. m. 4:00 p. m. 7:30 p. m. 9:30 p. m.

Trains leave Lagoon and Farmington

7:15 a. m. 10:30 a. m. 12:30 p. m. 2:30 p. m. 4:15 p. m. 7:30 p. m. 9:30 p. m.

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The Herald can be bought at the following places in Nevada: Lovelocks—Charles H. Baker. Tuscarora—Mrs. A. L. Clark. Reno—Rosen & Armanak. Yerington—G. E. Leavitt. Goldfield—Palace News Stand and Hunter & Pub. Co. Ely—Harville Stationery Co., G. B. Faxon and Walden & Burnett. Rhyolite—Goodrich Book & Stationery Co.

Caliente—John Shier. Delamar—J. M. Kelly. Potosi—Fleche Drug Co. and A. A. Carthan. P. M. Cobre—Richard Richards. Rawhide—Louie Polin. Las Vegas—The Drug Co. Schurz—World News Co., Hal Crigler. Smelter—Arthur E. Heartwell. Gold Circle—C. R. Reed.

VULCAN STOPS SHIPMENTS TO WAIT FOR RAILROAD

P. A. Danaher of the Vulcan mine at Hunter states that his company will not ship any more ore from the property until transportation facilities are more convenient, says the *Ely Mining Reporter*. From this it must be inferred that there is a prospect for railroad connection to the mines in the near future, as it is a well known fact that the company has been trying for a long time to induce the Nevada Northern to build to Hunter, and also that surveys for an independent road, to be controlled by the company, were made some months ago.

The company has been shipping at the rate of one carload a week for some time and has large bodies of shipping grade ore developed from which regular production can be made at any time. There are several routes over which a railroad could be built to Hunter to furnish an outlet to the smelters. It is quite likely if the Nevada Northern builds the new road, it will start from Ely and run through Butte valley to Hunter and would probably be extended on to the northwest part of White Pine county, which section will some day produce a large tonnage of copper ores that ought to come to the smelters here.

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- E. L. Terry, Granger, Utah.
- Smoot Lumber Co., Provo, Utah.
- E. W. Reese, Goldfield, Nev.
- Wright Pickering, 46 So. 21st E., City.
- E. P. Deal, 156 E. 3d So., City.
- H. C. Montier, Atlantic Tea Co., City.
- Geo. A. Hill, 319 Lincoln Ave., Ogden, Utah.
- Mrs. C. W. L. Stevens, 116 Center St., City.
- F. Cooper, West Jordan, Utah.
- Edw. A. Munsey, Ogden, Utah.
- W. H. Dunn, Bingham Canyon, Utah.
- Utah Light & Railway Co., City.
- Dr. W. J. Browning, Ogden, Utah.
- Mrs. M. A. Brough, Riverton, Utah.
- Vogler Station, 400 So. 21st E., City.
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- Mrs. Sarah Hart Harns, 97 W. 2d So., City.
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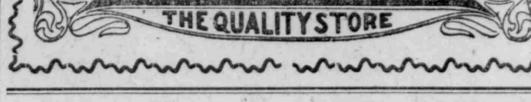
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