

JEROME'S SNEER ZONE COSES NAME

Formerly Despised Area Becomes Proved Mining Field in Verde District.

Jerome, Ariz., Nov. 18.—Every mining district is supposed to have its "sneer zone"—a section in which everyone, or nearly everyone, agrees that there is no chance for ore.

Until recently the Verde district had its "sneer zone." It was that vast area lying in the north end, between Jerome and the Verde river—a bleak, forbidding land with little vegetation except a few stunted pines, a little oak brush, and acaci.

The Verde north fault runs right through that sneer zone to Jerome. It is on, or beside, the fault that the United Verde Extension's ore body was discovered.

From the U. V. Extension it runs on through senator Clark's United Verde, curves westward, trends again to the northward, passes through the Arkansas & Arizona, Jerome Daisy, Verde Copper Development, and Jerome Copperfields properties.

The fault is really a contact between the line on the east, the malpais and porphyry on the west. There are few better defined contacts anywhere.

Around Jerome one must dig down through many layers of sandstone and limestone to reach the copper-bearing schist. And it is said that never has an ore body been uncovered in this district that did not have an iron caping above it.

Further north, beyond the A. & A., a great deal of erosion has taken place in ages past and a wide belt of iron-stained quartz is found right along the contact.

The quartz in many places is more than half iron; it all carries traces of copper, silver and gold. At several points, as on the Jerome Daisy, shallow shafts have been passed through the quartz and penetrated schist or quartz-schist, all heavily impregnated with iron and bearing evidences of copper having leached through.

First To Invade Sneer Zone. The first company to invade the sneer zone was the Arkansas & Arizona. It was organized in 1904 with a group of claims on the fault just north of the United Verde. J. E. Leeper, the organizer, raised the money to build one of the finest surface plants in the southwest and did a great deal of development work before the money gave out.

For several years the A. & A. was idle. Last spring a controlling interest in the company was purchased by the Goodrich-Lockhart syndicate, a New York firm, headed by David M. Goodrich. Just how much Goodrich and his associates had advanced for the investment the A. & A. is not known, but it must run up into the hundreds of thousands.

Goodrich was a rough rider in Cuba. His captain and friend was John C. Greenway, now executive head of the Calumet & Arizona. In September, 1915, when the whole Arizona mining force of geologists and engineers, looked over the A. & A. for Goodrich.

Immediately after the visit of the Calumet & Arizona party increased activity was in evidence at the A. & A. New electric pumps, a new compressor hoist were purchased. Carloads of timber and other materials were delivered.

The 1640-foot shaft, which has drifts and crosscuts on various levels, was unwatered. Work was started in two or three places. The first shaft was sunk from the 1640. That was about a month ago.

It was during these years that Mr. Hiatt gained the knowledge that enables him now to make the very positive statement: "I know what I am talking about when I say that the ore in these claims is an extension of the RAY CONSOLIDATED and RAY HERCULES ore bodies."

ARIZONA RAY is listed on the Los Angeles and San Francisco Exchanges—it is an active trader. We predict higher prices for this stock—not in the distant future, but now, TOMORROW.

We believe that ARIZONA RAY will go to \$1.00 a share when the news comes that the ore body is reached. Place your orders with your own broker or with us. Use the wires, for tomorrow ARIZONA RAY should sell higher.

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ALSO: Guy Birdsong, Broker, 102 Pioneer Plaza. Tom B. Johnson, Broker, Lobby Hotel Sheldon.

SAN XAVIER'S HEAVY SHIPPER

Month's Output of District, Shipped to El Paso, Is 7000 Tons.

Tucson, Ariz., Nov. 18.—San Xavier district mines are shipping about 7000 tons of ore a month, mainly to El Paso furnaces, realizing about \$175,000. The working force approximates 400, giving a material boost to Tucson industry.

Most of the work is being done on the Planned Knight, San Xavier, Vulcan and Mineral Hill properties. In the same locality the Red Oxide group of five claims has been purchased of M. P. Freeman, S. M. Franklin and W. M. Roberts, of Tucson, by the San Xavier Extension Copper company. In the west shaft of the Extension property a fine body of sulphide copper ore has been struck within the past few days.

Stink Well, Strike Copper. A pleasant sort of disappointment lately was experienced at the camp of the Empire Zinc company, where a well being sunk for much-needed water, at the depth of 150 feet, ran into rich copper ore.

The well known Jack Rabbit property, 23 miles from Casa Grande, appears to have been abandoned, as tenders have been asked for the moving of 250 tons of its machinery to the railroad.

A mill is being installed on the property of the Royal Blue Mining company, in the Santa Rita mountains, in Tyndall district.

Merion has come an estimate that the New Cornelia, by means of steam shovels, will be able to deliver ore to the crushers at a cost of about 15 cents a ton.

Miami Con. Is Shipping Ores. Company Expects to Ship Carload Daily; Double Shift Starts Monday.

Globe, Ariz., Nov. 18.—Shipments of six per cent oxidized copper ore are beginning today from the property of the Miami Consolidated Mines company. A carload of ore from the Sculze compartment shaft has been started by the company, will be sent to the Old Dominion smelter and the company expects to continue shipments at the rate of a carload a day.

For the last week a single shift has been taking out half a carload a day and beginning Monday a double shift will be worked. The ore has been unwatered in large quantities and the mineralization is most promising.

Profit Taking Causes Drop. Yesterday's decline in the price of Miami Consolidated shares on the curb and in the market was due to profit taking by the brokers. C. F. Seidel, of the Wall Street bureau of the New York Mining Telegraph, sent the following wire to Louis Lefkowitz regarding the situation:

Miami Consolidated opened at 25 and sold down to 21, then it recovered and sold up to 26, closing strong at that price. Thirty thousand shares were traded in. There was big excitement in Globe. Monster sold down to 24. This was a big profit taking day. Pioneer Motors sold down to 20. There was a general feeling of confidence both in Miami Consolidated and Inspiration Needles and hope that sulphides will be encountered on the needles quickly. Needles closed strong at one and one-eighth. On looking at your district map both properties look encouraging and the stock should seek higher levels.

The V. C. D. have been taken over by another new company, the Jerome Copperfields, Inc. It is understood that two or three other companies are to develop property still farther out on the fault.

Though the Jerome Superior Copper company does not own any claims on the fault its property is all within what was once the Verde district's sneer zone. The claims were located last spring by employees of the United Verde, who traced the trend toward the northward. About 80 claims are included in the group.

Recently the Jerome Superior was taken over by a California syndicate represented by George Mitchell, once superintendent of the U. V. smelter and later with the Greene-Cannons. George B. Case, former superintendent of the Boston & Montana and Tennessee Copper, was engaged to direct operations. Surveyors were placed on the ground and it was discovered that a fraction of a claim near the V. C. D. should be included in the Jerome Superior holdings.

Several of the new companies in the north fault country are discussing the installation of a joint power plant at First View.

The ordinary cost of a Want Ad in The El Paso Herald is 25 cents. It reaches an average of about 160,000 readers each issue.

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INSPIRATION OUTPUT LACKS SMELTING FACILITIES

Is Felt in Yavapai District; Mines Active.

By WILLIAM F. DE WOLF. Prescott, Ariz., Nov. 18.—The Commercial mine, in Copper Basin, owned by the Phelps-Dodge interests, is shipping from 80 to 100 tons of copper ore daily to smelter, and could increase the daily tonnage considerably were it not for the fact that smelting facilities are not keeping pace with the output of Arizona's mines. Either in this or the other mining counties of the state.

Adjoining the Commercial mine is the property of the Luna Prieta company, where a body of ore carrying a general average of 2 1/2 per cent copper to the ton is being developed. A small tonnage of sorted ore on the dump samples about 10 per cent copper. The property is to be equipped with a modern plant of machinery and developed at depth.

Commercial Hill Promising. The property of the Commercial Hill company, a corporation dominated by E. S. Clark and John S. Jackson, of Prescott, is another Copper Basin mining enterprise for which a highly productive future is predicted. Next to the Commercial mine, the Commercial Hill has been developed to a greater extent than any mine in the basin. Commercial grade copper ore is exposed on three acres and has been stepped to some extent above each. Several shipments of ore have been made at a good profit.

Harvest Has Been Promising. Mineral conditions continue to improve as development work progresses in the district. In the case of the Harqua Hala Bonanza mine, a Yuma county property in which H. William Stevens and other mining men of Prescott are heavily interested. Harqua Hala is a good proposition, solely, it now appears probable the mine will in due course come to the fore as a copper proposition. Sulphide ore carrying 5.8 per cent copper was opened some time ago on the eighth level in connection with a large body of oxidized ore carrying high values in gold. This ore body, it is said, is standing the test of development, both as to copper and gold values.

Will List Boston & Jerome. Early December will record the calling of the shares of the Boston & Jerome company in the New York curb. The Boston & Jerome is one of the early day propositions of the Verde district. This estate consists of 10 claims, a number being patented, and is located in the recognized productive area of the famous Jerome copper belt. It lies two miles south of the camp of Jerome and adjoins the Verde Central Copper company on the west.

Reorganization of the company and refinancing of its treasury has been perfected through the efforts of S. E. Balentine, of Jerome. Balentine has interested several well known mining men of Arizona, and a number of wealthy easterners in the proposition.

E. V. C. to Be Held. Before the close of the current month the shares of the United Verde Consolidated Copper company will be listed and called on the New York curb. Representatives of the company are now in New York making the necessary arrangements.

Venture Hill Annual Meeting. At the annual meeting of the Venture Hill company, held a few days ago in this city, W. H. Fisher, Ed. Keen, J. Jolly, Phil Pecharik and Ed Shumate were elected directors for the ensuing year. The officers of the company are: Ed Shumate, of Prescott, president; C. T. Jolly, of Clarkdale, vice president; W. H. Fisher, secretary; and Ed Keen, of Prescott, assistant secretary. The annual report of the company, soon to be issued, will show the company with a total cash and 437,900 shares of stock in its treasury.

Will Double Mine Output. The operations being prosecuted in conjunction with the Verde Apex company are on a joint expense sharing basis. A force of 25 men is employed in erecting camp buildings and in grading a site for the joint three-compartment shaft. As soon as the cook house and sleeping quarters are completed the working force is to be doubled. The Venture Hill tunnel has been driven to the line of the Verde Apex ground and a crosscut is now being driven from its face to the site of the shaft. This tunnel has a total length of 808 feet and shows native copper and copper sulphides.

INSPIRATION OUTPUT FOR ONE DAY 21,300 TONS OF ORE. Globe, Ariz., Nov. 18.—Inspiration is climbing up steadily in the way of production. In a single day the mine hoists and crushing plant handled 21,300 tons of ore. The mill is concentrating around 16,000 tons a day, though capable of much more, if driven. In October the copper product approximated 12,000,000 pounds, the record up to date.

The Miami Consolidated Mines company has just made the largest cash payment ever known locally to prospective owners of mining property. The sum was \$50,000, divided between nearly 20 individuals. It happened that many of the beneficiaries preferred to take their payment in stock at the pre-organization price set, but the company had a cash alternative contract.

GOLD AND SILVER PRODUCED AT BISBEE AS WELL AS COPPER. Bisbee, Ariz., Nov. 18.—A fact little known is that Bisbee ores produce much more than copper. For years the Copper Queen worked the claims first up on the hillside above the town for silver carbonates, and much gold and silver is found in connection with some of the copper ores. The Shattuck mine is producing about 50 tons a day of ore that averages 14 percent lead and 8 to the ton gold and silver, making daily shipments.

Cananea seems to have recovered from the effects of the war and is producing at the rate of 6,000,000 pounds of copper a month, of which 1,000,000 pounds are from the rich little Democratic and other district properties not owned by the big corporation.

DISCUSS SYSTEMATIC PLANS TO GET BEET SUGAR GROWERS ORGANIZED. Organized effort to bring sugar beet growers to the Mesilla and El Paso valleys will probably result from a special meeting of the board of directors of the chamber of commerce Friday afternoon. The advisability of sending a representative to sugar beet growing sections of Utah and Colorado to procure tenant growers for the beet sugar industry in the valleys was discussed at length.

Chairman E. Bart Orndorff appointed W. G. Roe, Otis Coles, John M. Wyatt and H. M. Andreas on a committee to meet with Phil Ericson, of the Holly Beet Sugar company, to ascertain if he will take charge of the work of colonization of the beet sugar fields of the valley.

A proposition for the colonization of the lands under the Elephant Butte dam was presented by A. E. Burton, of Chicago. No action was taken on plan.

TWO SMALL FIRES; OIL EXPLOSION KILLED FOR ONE. Explosion of a coal oil stove in a residence at 504 South Campbell street caused a slight fire Friday evening at 5:30 o'clock. The blaze was extinguished by the Central department shortly after their arrival. Practically no damage was done other than the burning of a stool.

A small fire of unknown origin on the second floor of the Stevens building, Texas street and Moss avenue, took place late Friday night. No damage was done.

AERIAL TRAMWAY WORK FINISHED

Pacific Mine at Mogollon Will Abandon Burro Hauling Method.

Mogollon, N. M., Nov. 18.—The aerial wire rope tramway from Pacific Mine to Socorro Mining & Milling Co.'s plant, one mile distant, has been completed, tried out the past week and found to operate perfectly. The adoption and placing in commission of this system of transporting the Pacific product marks the end of an era of operation during which 11,162 tons of ore carrying a gross value of \$171,285 were mined in a crude way and shipped to local custom mills by the time-honored burro train. While the general average of ore mined in the Mogollon district for same period has been around \$12 per ton, that from the Pacific had an average of \$12.27, and with the more adequate mining facilities now employed, in connection with modern tramway delivery to mill, the property may be expected to soon eclipse its past record and take rank with the best producers in the camp. Operations are being conducted by the Socorro Mining & Milling company under agreement with The Oaks company.

Road Being Macadamized. The road through Mogollon is being macadamized and in shape to accommodate heavy traffic in winter without inconvenience.

D. E. Bearup, owner and operator of the Eureka mine, in which a rich body of copper is being developed, has the camp for burros to pack on accumulation of mill ore to local custom works. The richer ore is being sacked for shipment to smelter.

Timbering of new shaft below the 500-foot level in Last Chance mine is progressing rapidly, the work being conducted from two different points.

The shaft is 369 feet deep. Development will be pushed from both 300 and 500-foot levels as soon as timbering will permit. The Mogollon Mines company is operating the property.

The Socorro Mining & Milling company has installed an automatic scale at mill terminal of aerial wire rope tramway from the Pacific mine for weighing all ore received from latter property. A belt conveyor is being placed to handle this ore between the receiving bins and crusher.

Working on Drainage Tunnel. The Oaks company is breaking ground in its main drainage and transportation tunnel on Mineral creek, which will eventually tap the leading vein systems of the camp at various depths up to 1300 feet. The road to the tunnel site has been overhauled to facilitate traffic to that point. At the Eureka mine, drifts are being advanced both north and south from the 50-foot level in exploratory shaft, which is equipped with a Fairbanks-Morse 25 horsepower gasoline hoist and compressor plant. Present development on the Clifton mine consists of driving the south drift from the adit level and raising on No. 1 ore body.

\$18,250,000 SUITS FILED IN MOTION PICTURE DISPUTE. New York, Nov. 18.—As a result of a dispute between motion picture firms seven suits, asking treble damages approximating \$18,250,000, were filed in the federal court here Friday by the Colorado Film Exchange, the Chicago Film Exchange and several other film agencies of the middle west, against the Motion Pictures Patents company and various motion picture companies and agencies.

The plaintiffs complain that as a result of what is asserted to be a conspiracy among the defendants, they were excluded from competition, their business rendered unprofitable and that they have been otherwise damaged.

COPPER--The Maker of Millionaires

COPPER has taken its place with STEEL—the great "barometer of trade." "STEEL"—it is but a few years ago that the steel industry was turning out fortunes in America at a rate that staggers belief. COPPER—today stands supreme as the GIANT among fortune builders for all time. The new wealth which this industry has given to the world runs into figures that are simply inconceivable. COPPER has built new fortunes and MADE MILLIONAIRES at a rate that eclipses the record of STEEL. If you will refer back to the stock exchange sheets in 1915, you will note the following:

- Anaconda \$49.50, now \$102.62.
- Chino \$32.75, now \$71.50.
- Inspiration \$16.62, now \$71.87.
- Miami Copper \$17.00, now \$47.00.
- Nevada Consolidated \$11.75, now \$30.62.
- Ray Consolidated \$15.00, now \$35.50.
- Utah Copper \$48.50, now \$122.25.

This range of price covers only a little over a year. Again about three years ago United Verde Extension was being peddled—and peddled at 15c a share. Those 15c shares are now worth \$40.00 in gold. The Calumet and Hecla has distributed to its stockholders a total of \$132,000,000.

**A BOOM IN THE RAY CAMP**

Are you taking advantage of the Ray opportunity? A month ago the first announcements appeared in the public press of the organization of the great ARIZONA RAY COPPER property. These announcements called attention to the Ray camp. Ray Consolidated, the big Jackling property and the investment group of the camp, was then selling at \$24.50, today's market \$35.50 bid.

RAY HERCULES, the second property in the camp, with 10,000,000 tons of ore blocked out, was selling in New York on the Curb at \$3.50, now \$5.62. Think of the percentage on this. We predict \$40.00 a share for RAY CONSOLIDATED—this camp's big dividend payer.

We predict \$7.50 for RAY HERCULES.

If you did not take advantage of our advice on these two stocks before, do so now.

ARIZONA RAY made its start at 25c a share, today's market is 27 1/2.

**Buy ARIZONA RAY Before ARIZONA RAY Strikes the Ore**

You will note from the cut the location of the churn drill, now down 140 feet. Another 60 feet should put us in ore. Note the location of the ARIZONA RAY property, adjoining the RAY CONSOLIDATED and RAY HERCULES.

First churn drill is in operation on the Juarez claim; three shifts of men working. Two shifts are at work sinking a shaft on Copper Zone No. 7. The property of the ARIZONA RAY COPPER COMPANY consists of twelve claims—the company owns the claims. There is no mortgage—no indebtedness; the claims are deeded to the company.

**Edmund L. Hiatt's Past Achievements Assure Big Results for Arizona Ray**

The development campaign of the ARIZONA RAY property is under the direction of Mr. Edmund L. Hiatt, who, for six years, was the Chief Engineer of the RAY CONSOLIDATED, and it was during these years that RAY CONSOLIDATED was brought from a position similar to that of ARIZONA RAY to its present position as one of the great copper mines of America.

It was during these years that the RAY CONSOLIDATED blocked out with churn drills—the same method already adopted by ARIZONA RAY—more than 80,000,000 tons of copper ore.

It was during these years that Mr. Hiatt and some associates recognized the remarkable value of the property now under development by the ARIZONA RAY.

It was during these years that Mr. Hiatt gained the knowledge that enables him now to make the very positive statement: "I know what I am talking about when I say that the ore in these claims is an extension of the RAY CONSOLIDATED and RAY HERCULES ore bodies."

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Send me Free colored map of Arizona copper camps, showing the location of all the famous copper districts of the State and valuable information from United States Geological Survey, designating the mineral-bearing territory in colors.

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Herald

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**You Pay Only One Commission**

The minimum Commission Rate Adopted by New York Curb Association October 1st, 1916, which is as follows:

Stock Selling From—

- 25c to \$1.00; 2 percent of money involved.
- \$1.00 to \$3.00; \$3.12..... per 100 shares.
- \$3.00 to \$5.00; \$5.00..... per 100 shares
- \$5.00 to \$10.00; \$6.25..... per 100 shares
- \$10.00 to \$200.00; \$12.50..... per 100 shares

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