

MINES, MINING AND PROSPECTS IN GREAT SOUTHWEST REGION

NEEDLES MINES BECOME ACTIVE

COOL WEATHER SEES RETURN OF MINERS

W. A. CLARK, JR., INSTALLS PLANT ON PROPERTY

Equipment Sufficient to Sink a Double Compartment Shaft Eleven Hundred Feet in Being Set Up. Experts Praise Camp

BY DESERT RAY
With the approach of cooler weather renewed activity is being shown in the vicinity of Needles and northward along the line of the Santa Fe railway. Among the most notable properties now being developed are the copper properties of W. A. Clark, Jr., and D. E. De Lappe, S. E. Barron, Fred C. Roble, T. J. Wills, J. A. Darragh, G. P. Lesseur, Thomas Rosenberg, Eugene Corcoran and the gold-copper properties of Charles Kane, Roble and Van Slyck, C. Ferguson, J. F. Main and the California Hills company, owned by Woods Bros.

The Clark property, under the supervision of Nick Jahress, is now being equipped with a powerful gasoline engine, hoist, blower and compressor, sufficient in size to sink a double compartment shaft to the 1100-foot level. About 250 feet of work has been done on this property, showing increased values in gold at the 100-foot level, where crosscutting developed a large amount of ledge matter carrying both copper and gold values. Work was suspended June 19 to await the new machinery, which is now on the way, and work will be resumed about September 15. Much favorable comment is heard about this property, which is being splendidly equipped by the owners; W. A. Clark, jr., Nick Jahress and Eugene Corcoran.

Claims to North and West
Adjoining this on the north and west are several groups of claims owned by D. E. De Lappe, Clay Peters, A. L. Briggs company, C. B. Chittenden and others. Mr. De Lappe, who was the pioneer locator in this camp, has opened up much copper that shows high percentages in carbonates and he will start October 1 on a 700-foot tunnel to open several veins of ore on his Gateway group. He will also sink a shaft to the 100-foot level on the flat about 1500 feet easterly from the Santa Fe railway at Klinefelter, Cal., where there is an immense deposit of hematite iron and copper. John Wagner and associates are now at work on a shaft about one mile south of Klinefelter and are down about 100 feet, having gone through the iron gossior and capling. This company is now getting some fine copper ore which carries good values in gold and silver.

Long Beach Man Interested
Work will begin shortly on the Le Roy group of eight claims about four miles southwesterly from Klinefelter, owned by Fred C. Roble, T. J. Wills and J. A. Darragh. The formation here is an altered rhyolite. About 135 feet of work has been done on the principal copper claim of this group. A shipment of ten tons shows 2.10 per cent, with 22 gold. Samples from another vein on this group, taken at a depth of fifty feet and along a twenty-five-foot drift, showed 38 in gold.

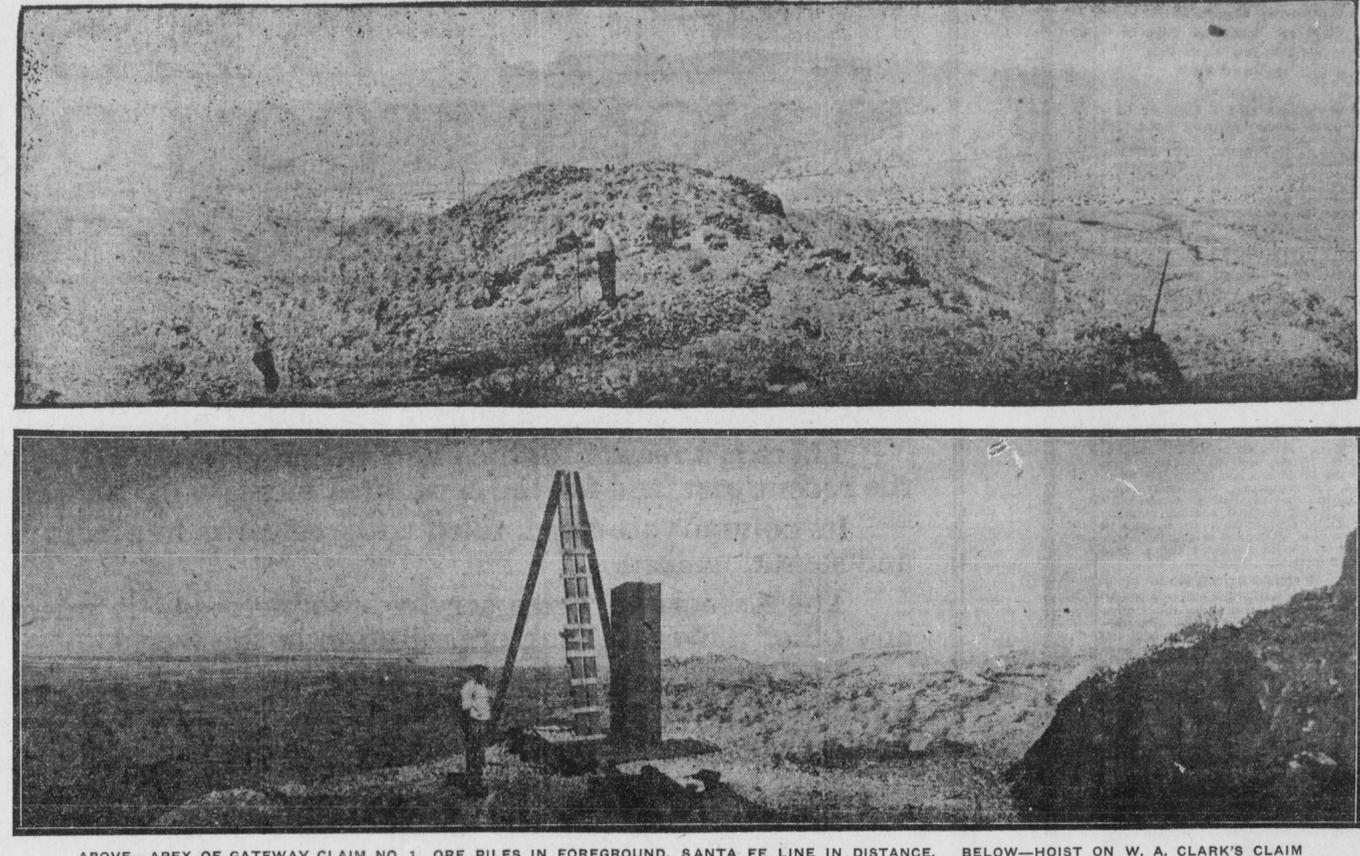
Rose Quartz at Depth
Some rose quartz struck early in the summer gives promise of rich developments as depth is gained, and reports have it that the faith and pertinacity of the owners will soon be rewarded by another producer of the Tom Reed Gold Roads, variety. Rich ore has been found at all depths on the California Hills property. The latest reports have it that near the 300-foot level four feet of quartz is in evidence that assays better than \$40 ton gold, giving foundation to the belief shared by so many who are familiar with the mine that it will develop into a big dividend payer in the near future.

At Camp Signal
The Leiser Rea Mining company is sinking for water west of its main shaft. Steady development work is going on at the Homer claim, where they are taking out rich ore. A hoist is being installed and leaching plant have been shipped from Los Angeles and will be put in operation at once.

American Mining Congress Program Includes Noted Men

GOLDFIELD, Sept. 12.—From the secretary's office it is just announced that the program for the twelfth annual meeting of the American mining congress, which convenes in this city on September 27 and continues throughout the week. Questions of real importance will be discussed by noted speakers. The reading of technical papers will be largely dispensed with, such documents to be read only by title and printed in the official reports, while the time of the sessions will be largely devoted to the practical discussions of mining problems. The following speakers will attend and deliver addresses on the subjects assigned: "A Federal Bureau of Mines," by D. W. Brunton of Denver and Congressman W. F. Englebright of California. "The Need of a National Laboratory for Research Work in the Domain of Mining," by Thomas F. Walsh of Colorado. "The Future of the Copper Mining Industry," by Horace J. Stevens of Houghton, Mich. "The Movement for Greater Safety and Efficiency in Mining," by Dr. Joseph A. Holmes, Washington, D. C. "Federal Land Policies as They Affect the Mining Industry," by Senators Weldon B. Heyburn of Idaho, Reed Smoot of Utah and George E. Chamberlain of Oregon. "Mine Inspection," by Courtenay DeKalb of California, Harry A. Lee of Utah and Dr. Joseph A. Holmes of Washington, D. C. "Electricity—Its Relation to the Min-

Mineralized Country in Vicinity of Needles Now Being Developed



ABOVE—APEX OF GATEWAY CLAIM NO. 1. ORE PILES IN FOREGROUND. SANTA FE LINE IN DISTANCE. BELOW—HOIST ON W. A. CLARK'S CLAIM

Horan of the Needles is opening one of the largest and richest copper properties in this district. Sensational values in both copper and gold are reported from these claims.

It is reported that the C. & A. people of Arizona are to do some extensive exploration work on and around some of these properties last referred to, operations to begin some time this month.

Out on the flat midway between the Klinefelter camp and the Sunrise district is a new prospect that is unique for this section. The Joe Cannon group of claims is owned by De Lappe and Wilson, where a ledge is being exploited by both shaft and tunnel. This ledge gives returns of from 15 to 58 per cent lead, 10 to 40 ounces of silver, 5 to 10 per cent copper and from \$2 to \$5 in gold. The ledge crops out boldly for several hundred feet, appearing between the old conglomerate, which forms the hanging wall, and a black lime footwall, the vein-filling being soft lime and barium sulphate. Four miles of substantial wagon road have been built connecting this group with the railway at Klinefelter. The owners expect to begin shipping at an early date.

West of the Needles work has been going on without interruption at the California Hills Company's mine, the Woods brothers having let a contract to James Malone, who is sinking the main shaft to the water level.

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ing Industry," by I. B. Potter of Goldfield. "The Paralysis of Mining Districts," by L. B. Kirby, St. Louis. "The Mining Man's Interest in Land Classification," by George Otis Smith, Washington, D. C. "The Application of Steel in Mining Operations," by Prof. R. B. Worth, Utah Carnegie Steel company, Pittsburg. "Smelter Rates," by James H. Fox, Seattle. "The Zinc Mines of Southern Nevada," by Douglas White, Los Angeles. "Old Comstock Days," by William C. Ralston, San Francisco. "The Purchase of Coal by the B. T. Method," by Samuel A. Taylor, Pittsburg. "Government Co-operation with the Mining Industry," by Senator Charles Dick of Oregon and Congressman George A. Bartlett of Goldfield. "Why Unassessable Mining Shares Are a Drawback in the Development of Mining Camps," by Herman Zadis, San Francisco. "The Mining Stock Exchange as a Factor in the Development of the Mining Industry," by A. B. Ruggles, San Francisco. "Mine Accidents and a Coal Tax Insurance Fund," by Samuel A. Taylor, Pittsburg; Glenn W. Traer, Chicago; John H. Jones, Pittsburg; David Ross, Springfield, Ill. "Relation of Silver Values to American Trade Possibilities with Silver Producing Countries," by Moreton F. Lewis, London, England; James J. Hill, St. Paul; John Hays Hammond, New York city; Judge C. C. Goodwin, Salt Lake City; Joseph A. Heckman, New York city.

Other claims at this camp are the J. F. Main properties. Mr. Main, who was the original promoter, owns eleven claims, chief of which are the east and west extensions of the Homer claim, surface showing on one claim running from \$8 to \$500 gold. On another tungsten ores have been found that run from 40 to 70 per cent tungstic acid or tungstic tri-oxide. Colorado parties are preparing to take over some of these claims, and a Pasadena syndicate is preparing to develop another.

OLD VULTURE MINE A TREASURE VAULT
NEW OWNERS OPEN RICH ORE SHOOT
Samples Averaging Fifty Dollars a Ton Taken Daily from Breasts of Drifts—New Machinery on Ground

PRESCOTT, Sept. 12.—As development progresses the old Vulture mine is proving to be the real treasure box as in years gone by. It is characterized by a succession of large and rich ore shoots in the vein which vary in length from 200 to 500 feet and were mined for a total length of 2000 feet. Several of these shoots have been opened in the west end of the mine. A large shoot, already known to exist, has recently been opened in the deeper workings, samples from the breasts of the drifts, which are taken every day, averaging about \$50 a ton. One running from \$100 to \$160 a ton is a common occurrence. This shoot is about 200 feet long and from 20 to 30 feet thick.

On the 300-foot level the shoot is 18 feet thick at the crosscut. The drifting follows the hanging wall, but it is a fact that the values on the foot wall are the richest.

W. Spencer Hutchinson, consulting engineer for the company, has just returned from Prescott with an air compressor and concentrating machinery which the company proposes to install.

A gratifying circumstance in connection with the ore in this mine is that they are running into sulphides and were very much surprised to learn that their sulphide ore amalgamates as well as their free gold, amalgamating 80 per cent of the values, which is considered high.

NEW BONNIE CLAIR WILL FIGURE ON 100 TON DAILY CAPACITY
S. F. Owen, vice president of the New Bonnie Claire Mining company, accompanied by Arthur Forrester of the company, left Saturday for a week or ten days' stay at the mine in Esmeralda county, Nevada. The purpose of the visit is to determine the exact changes to be made in the mill to bring it up to a capacity of 100 tons daily. The directors will authorize the installation of the machinery recommended by Mr. Owen and Mr. Forrester.

Hoist at Goldbanks
The Goldbanks Merger Mines company at Goldbanks, Nev., forty miles south of Winnemucca, will install a hoist. The company was recently incorporated for \$1,000,000. Directors: Ed Reinhart, W. G. Adamson, W. J. Merchant, E. A. Stauffer and A. P. Smith of Winnemucca.

FARMER FINDS GOLD NUGGET
STORMS DIG SPECIMEN FROM BEDROCK

PRESCOTT BANKS RECEIVE BIG BULLION CONSIGNMENT
Estimated Total Receipts of Bricks and Placer Dust for Shipment Are Seventy-five Thousand Dollars a Month

PRESCOTT, Sept. 12.—Receipts in gold bullion in this city last week were heavy, and for a single day reached the maximum in amount for some weeks past. The first consignment was a fine bar that went in value to over \$700 to the Bank of Arizona, and it will go to the mint. It was deposited by A. D. Barnhart, the assayer. The property that produced it was not given.

At the Prescott National bank one shipment of a single bar that weighed 230 ounces from the Congress mine, was received, and another that registered 175 ounces from the Poland was also placed in the care of that banking house. With the Congress bar was a carload of high grade concentrates that was sent to the El Paso smelter.

In another line of gold receipts was the clean-up of several placer miners, some of the shipments of this yield passing through mercantile channels, while the banking houses and the express company handled the remainder.

A farmer coming into the city Saturday picked up a nugget on Lyrix creek that weighed \$18. It was washed up from the bedrock by the terrific rush of water in the recent storm that swept that section. The finder said he saw it lying on the bank, and was agreeably surprised at his good fortune.

Reports from the Arizona city field on being taken up this discovery, and several men are engaged in the work of placer mining. Up and down that old stream several men are at work sluicing and rocking, an abundance of water being available.

LEDGE RUNS INTO HASSAYAMPA RIVER
TUCSON, Sept. 12.—J. H. Alward, a well-known mining man who is in the city from Wickenburg, is exhibiting samples of ore from a new property owned by him and William Moffett of Phoenix, fourteen miles above Wickenburg on the bank of the Hassayampa. As yet the property has not even been given a name, though a shaft has been sunk a hundred feet and the well defined ledge has been uncovered for several hundred feet by open cut work.

The mine was discovered by an old prospector who disposed of his find to Messrs. Alward and Moffett at a price which they considered extremely low. It was nothing more than a prospect at that time, however, and now it can safely be termed a real mine. The ledge shows on the surface for about 1500 feet and the ore taken out of the open cut runs high in gold for surface rock. At the bottom of the

shaft the ore is far richer and the ledge, which averages about three and a half feet in width on the surface, has greatly widened out.

Assays of samples taken from the open cuts and the shaft show an average value of about \$12 a ton in the yellow metal. There are indications that silver ore may also be encountered.

The ledge runs right into the river and just below a great deal of placer gold has been found. The location is exceptionally favorable for the erection of a mill. Being right on the river, there is no lack of water.

TOMBSTONE GROUP PREPARES TO RESUME CHICAGO COMPANY ACQUIRES BUNKER HILL PROPERTY
Mine with Early Production Record Lies Between the Grand Central and Emerald—Large Ore Body in Sight

TOMBSTONE, Sept. 12.—Word has been received here of the probable early resumption of work on the Bunker Hill group of mines in this district. This property has a record of early production and is regarded as one of the valuable properties of the district, being located between the Grand Central and Emerald mines of the T. C. M. company, and is claimed to have large bodies of ore in sight which can be profitably worked.

Henry A. Allen & Co. of Chicago are believed to have secured a bond or control of the property and it is reported that steps will be taken to reopen the famous Tombstone producers. The property is equipped with hoisting works and double compartment shaft timbered throughout.

The arrival of several prominent stockholders who are heavily interested are expected here from Chicago within the next ten days and preliminary steps taken for resumption of work on the mines.

EUREKA ANNEX WILL EXHIBIT FANCY ORE
GOLDFIELD, Sept. 12.—Oscar J. Lee, who has just returned from the Gold Mountain district, says he recently took over the property of the Eureka Annex, which is recognized as one of the best properties of that section, and from which selected specimens for exhibition at the American mining congress would easily run from \$100 to \$5000 to the ton.

The ore is gold and silver, and comes from the fifty-five-foot level, where a crosscut eighteen feet discloses the width of the ledge and indicates permanency. While the ground is recognized as much broken, it is the intention of the management to drop to the 102-foot level, where drifting and crosscutting will be started in the hope of picking up the vein as it appears on the upper levels.

CLAIM ON WINNEMUCCA MOUNTAIN YIELDS ORE CARRYING FREE GOLD
WINNEMUCCA, Sept. 12.—While doing work on the Roosevelt claim, owned by F. C. Robins on Winnemucca mountain, ore showing large colors of free gold has been uncovered. The rock not only shows the yellow metal, but has high silver values as well. As the ore is of the shipping grade, the owner will put men to work and develop the ledge, which has every evidence of being permanent.

The claim where the rich ore was disclosed is situated in what is known as Spring canyon, northerly from the bridge across the Humboldt river at this place.

The finding of this ore with free gold is important and may lead to other discoveries of the yellow metal on the mountain. This district is thoroughly mineralized from one end to the other, and there are many claims showing high grade gold ore, but few have rock with visible gold, as is shown in the ore exhibited by Mr. Robins.

For years float has been picked up in the gulches along the east side of the mountain, but this is the first time that a powerful concentrating plant or a leaching plant and the running of a 1500-foot tunnel in the southern part of the mine to the hanging wall are among the projects to be furthered within the next few weeks. It is said that at present more than 500,000 tons are blocked out. Shipments averaging 22 per cent copper are being made by the Southern Pacific Railroad company's lines to the Phelps-Dodge smelter at Douglas, seventy miles away.

SHOSHONE CLEANUP FOR THIRTY DAYS AMOUNTS TO \$50,000
RHYOLITE, Sept. 12.—The big monthly cleanup at the Shoshone has been completed and the melting is now under way. It is adjudged that the resulting bullion will amount to about 13,000 ounces. This, together with the saving from the midmonthly cleanup, will bring the total for the month of August up to about 20,000 ounces. This bullion is worth a little better than \$2 an ounce. The production for the month was between \$40,000 and \$50,000. The amount of ore handled for the same period was 5800 tons. This shows an average saving from every ton handled of about \$8.

Mr. Lee is hanging up an account of the break in one of the main sockets at the base of the machine. Otherwise the mill is working properly.

Preparations About Complete
GOLDFIELD, Sept. 12.—Preparations for the handling of the ores to be raised from the Clermont have rounded almost to completion. The grading for the spur which leads from the nearby railroad back to the shaft, the finishing of a unique chancery room in which many of the old arrangements have been done away with, all mean that within a short time this shaft will be one of the wonders of the Goldfield district, and the wealth soon to pour from its ore bins sufficient to stagger the skeptical, omnipresent knocker, who has doubted from the beginning.

Cutoff Work Begins
PRESCOTT, Ariz., Sept. 12.—Since the letting of the contract to grade the Arizona & California railroad from Parker to Bouse September 1 J. A. Jaeger, chief engineer of the S. F. P. & P. and leased lines, has been engaged in organizing his forces and attending to the many preliminaries of the work. He left with a corps of surveyors for Parker Saturday morning to start the work.

CARIDAD SELLS FOR A MILLION

LOS ANGELES MEN PURCHASE PROPERTY

DEAL SHOWS TREND OF HOME CAPITAL IN MEXICO

Large Sum Has Already Been Spent in Improvements, and New Owners Expect to Invest Heavily for Development

TUCSON, Sept. 12.—Details of the sale of the Caridad property in Mexico, which sale was ratified in this city recently, show that the mines brought more than \$1,000,000. The terms of the sale were agreed upon in Los Angeles, but the transaction was really consummated at a meeting in Tucson. In addition to the local interest, the new deal is of importance to the general public as showing the progress of American interests in Mexico. The Caridad and surrounding claims, covering a total area of 1,027 acres, located within two miles of the Pilares mine, near Nacozari, Mexico, sold by the Harris Copper company to the Maria Copper company, recently organized at Los Angeles.

The Maria is capitalized at \$10,000,000, with 1,000,000 shares, par value \$10. Its officers, all Los Angeles people, are: Gustav Werner, president; T. J. Whelen, secretary; S. T. Godbey, consulting engineer. Among the directors are Oscar Werner and William J. Hunsacker. W. J. R. Cowell, formerly connected with the Baranca Copper company, operating in Chihuahua, is general manager. The transfer of more than 200,000 shares of the new company was effected, besides a large cash consideration.

May Become Great Mine
It is expected that the property will become one of the great copper mines in the world. The Pilares mine adjoining, owned by the Harris company, employs some 3000 men, and with the new concentrators just installed, the capacity of the plant has been increased to 2500 tons a day. The property, comprising 2000 acres, was bought from the Guggenheims, and the average value runs from 3 to 4 per cent copper.

At the Maria's mine the mineralized section is more than 3000 feet in width and about 10,000 in length. The average values are from 2 1/2 to 4 per cent copper, with high grade streaks up to 25 and over. Three thousand feet of development, consisting of five tunnels, has been done. The main tunnel, which is at about water level, opens 1500 feet below the apex of the mine. Drilling has been carried to a minimum depth of 300 feet.

The ore-bearing formation is an eruptive rock, between granite and andesite. The strike is east and west, and the dip is north, at an angle of about 60 degrees. The main wall is granite and the hanging wall andesite. About ten ounces of silver and \$1 in gold accompany the copper values. The ore is considered the most peculiar specie and is best defined as tennantite. Pockets of ore have been found in the breccia formation, which is about 600 feet in width and 2000 feet in length, and in this mass large bodies running 6 and 7 per cent copper are expected to be uncovered.

Expect to Spend a Million Dollars
Several hundred thousand dollars have been spent upon the property, and if the company carries out its proposed plans, more than \$1,000,000 additional will be spent within the next year.

A railroad twenty miles in length from the Caridad camp to Nacozari, connecting with the Southern Pacific railroad now being built from Guaymas to Nacozari, the installation of a powerful concentrating plant or a leaching plant and the running of a 1500-foot tunnel in the southern part of the mine to the hanging wall are among the projects to be furthered within the next few weeks. It is said that at present more than 500,000 tons are blocked out. Shipments averaging 22 per cent copper are being made by the Southern Pacific Railroad company's lines to the Phelps-Dodge smelter at Douglas, seventy miles away.

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It's Just Like Finding Money

Only a small amount of this absolutely safe stock left. No one can knock this proposition unless they tell an untruth. We are well informed of the knocker, but we don't mind them. We have the goods and the knocker has nothing. If you'll notice under the tree where the most clubs are usually the best apples. Respectfully,

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