

LIVE OAK INSTALLS SECOND DRILL AT MINES

Indications Point to Northern Trend of Great Ore Deposits

The Live Oak Development company is now devoting most of its attention to prospecting its property with churn drills in advance of the underground work. To hasten the prospecting, a second churn drill has just been secured and set at work. Drill hole No. 2, located about 700 feet west of the vertical shaft, has just passed into chalcocite at a depth of 230 feet. As was published some time ago, the first churn drill hole put down on the property passed through 175 feet of chalcocite ore of commercial grade as high or higher than the average estimated by the management. The third churn drill location, where the second drill has just been set at work, is 300 feet west of the second hole, or about 1,000 feet west of the vertical shaft, where chalcocite ore was first encountered.

From all indications, the greater part of the ore zone lies to the north and west of the present underground workings, and so far as can be determined at the present time, the ore body has a vertical extent of between 150 and 200 feet.

While the churn drilling is proving greater extent of the ore west of the shaft, the underground work is steadily extending the underground boundaries of the proven ore body to the eastward. Drift No. 208 is being constantly driven east on the 200-foot level, where rapid advances are being made with the aid of machine drills. This drift is now 69 feet long and from its starting point has passed through sulphide ore of good commercial grade. A noteworthy feature of the development in this part of the mine is that, as the work advances eastward, the vertical extent of the ore is apparently increasing. The east line of the Live Oak property is about 900 feet from the present face of drift No. 208.

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SUPERIOR & GLOBE WORKING STEADY

May Use Diamond Drills to Prospect Downward from Winze Bottom

Exploratory work is being steadily prosecuted at the property of the Superior & Globe Copper company, located about five miles northeast of Globe. From the bottom of the eighty-foot winze, sunk from one of the drifts on the 650-foot level, crosscutting has been done to explore both the foot-wall and hanging wall of the fault. The foot-wall was reached with about ten feet of crosscutting and with about eight feet of driving the hanging-wall was encountered. The cross-cutting was attended with some difficulty due to the amount of water prevailing at that depth. So far as explored, the fault contains only vein matter, carrying a high percentage of iron, but no copper.

The crosscut driven north from the working shaft on the 650-foot level is now being extended. A few weeks ago, the driving of this crosscut was discontinued temporarily at a distance of 350 feet from the shaft. The crosscut has now been driven about fifty feet further, thus making its total length approximately 400 feet. As has been the case previously, the formation in the face is diabase containing little mineral.

The management is still contemplating the use of diamond drills in prospecting downward from the bottom of the eighty-foot winze mentioned above and in exploring the ground horizontally in advance of the north crosscut on the 650-foot level. Arrangements for this drill work have not yet been perfected, however, but doubtless will be made soon.

ITALIAN LIBRARIES ROBBED BY SYSTEM

ROME, May 14.—Just how rotten departmental administration is in Italy is shown by the investigations of a Royal commission into the state of the national libraries. Beginning with the shelves reserved for priceless treasures in the Victoria Emanuel library here, the commissioners found extensive thefts had occurred and other works of immense value had been recklessly mutilated.

Catalogues were in chaos, the treasurer's books in confusion and the principal ledgers were missing. So a rigid muck-raking movement set in and further waste was soon discovered. Precious sets of reference works are gone, nobody knows where.

SUPERIOR & BOSTON COMPLETES ALL EQUIPMENT

Completion of Railroad Is Impatiently Awaited by Management

The building of an addition to a boiler-house just completed at the Superior & Boston mine marks the end of all the construction work on the company's plant, which is one of the most modern and efficient mining equipments in Globe district.

The sinking of the McGaw shaft has reached a point 118 feet below the sixth level. At a depth of 112 feet below the sixth, station sets have been put in, preparatory to cutting a station and establishing the seventh level at a later date. Meanwhile, the sinking of the McGaw will be continued indefinitely.

At the Gardner shaft, on the end of the property opposite the McGaw, greater vertical extent of the ore body is being proven by work in the two winzes put down from the 400-foot level. The west winze from the fourth level drift has been sunk continuously through ore for seventy-five feet. At this winze, a small hoist is in operation. The bottom of the east winze is forty-six feet below the level, and here also an excellent grade of ore has been developed.

The average copper content of the material taken from both winzes is eight per cent. The distance between the two winzes is 125 feet and the drifting has shown that the ore between them is continuous. The high iron content of the ore makes it a better fluxing material than that now being mined in the slopes on the Great Eastern vein in the northern part of the property.

About ninety tons of ore from the Great Eastern hole is being shipped every day to the Old Dominion smelter and the smelter returns show an average of nine per cent copper. Some ore for shipment is also being obtained from the tunnel being driven on the Black Oxide vein directly over the fourth level drift of the Gardner workings, where leasers are now at work extracting ore carrying seven per cent copper.

As the rails of the Arizona Eastern railway have been laid to within 1500 feet of the McGaw shaft, the Superior & Boston mine will soon have greatly increased transportation facilities, which will, of course, prove a valuable asset. The grading for this railroad has been completed as far as the Arizona Commercial property, west of the Superior & Boston mine.

RIVAL LOVERS IN SWIMMING DUEL TO GRIM DEATH

BELGRADE, May 14.—Milendo Ignatice and Todor Neslesish were suitors for the hand of Satsia, one of the prettiest maidens of the village of Zaboya, in Serbia. She was unable to make up her mind, and after waiting for five months the two lovers told her that she must decide or see them fight a duel.

She begged them not to fight, and at last said she would marry the one who proved himself to be the better swimmer. The contest took place in the cold waters of the Morava, a large crowd witnessing the event. For two hours the two men swam together. Then Milendo sank and was drowned. Todor, who was nearly exhausted, was taken from the water more dead than alive, and is still in the hospital. He declares now that he will not marry Satsia under any circumstances.

BIG FORCE WORKING ON KEYSTONE

Great Body of Two Per Cent Ore Known to Occur on Miami Property

At the property of the New Keystone Copper company, consisting of about twenty-one claims, some of which are fractional, located in the Miami mining district, between the Inspiration and the Live Oak groups, a force of about sixty men is continuing development work by drifting and raising underground and by churn drill work at the surface.

Although the management of the company declines to give out any information concerning the mine or permit anyone to go underground, a conservative estimate of the ore body so far developed may be placed at 2,100,000 tons. The management estimates that this ore will average two per cent or better in copper.

The churn drill work which has been in progress north and west of the vertical shaft for the past year, indicates that the average thickness of the ore body is from 70 to 100 feet. As the ore lies well above the level of the gulches, extraction by means of adits should prove an inexpensive method of mining. From all general indications, there is reason to believe that the continuance of the churn drilling and drifting will develop greater quantities of ore north and west of the present scene of operations.

SELF DEFENSE PLEA FOR ANTONIO BRAUD

Many Small Matters Have Attention of District Court Yesterday

Antonio Braud, charged with having committed an assault with a deadly weapon upon Charles Saenz at Miami several months ago, was on trial yesterday in the district court.

The trial of this case occupied the greater part of the day and as the testimony of the defense had not all been taken at 5:30 yesterday afternoon, an adjournment was taken until tomorrow morning, when the trial will be resumed.

According to testimony introduced yesterday, Braud was occupying a tent with Saenz's sister, when Saenz entered the place. Braud, it is claimed, asked who was coming in and receiving no reply, fired at the intruder, seriously injuring him.

The defense, represented by Attorneys Johnson and Flannigan, introduced evidence yesterday to show that Saenz had made threats to kill Braud, self defense being the motive for the crime, according to the testimony introduced on behalf of the defendant.

John H. Davis, who pleaded guilty on two counts of simple assault, was assessed \$200 on each count, in court yesterday morning. Davis has not as yet paid his fine, but it is probable that he will do so within a short time.

Tom Hansen, who was found guilty of simple assault, as the result of his participation in a tulapai fight in the Spring Creek district several months ago, was sent to jail for three months.

Ivory Fraser, who was to have been placed on trial yesterday decided to enter a plea of guilty to a charge of simple assault, rather than stand trial on a charge of assault with intent to commit murder. He received three months in jail, sentence to date from March 26.

In one of the indictments against J. C. Phillipon, upon which a change of venue was not granted, a motion of Counsel F. S. Nave for dismissal was denied yesterday. This case will probably be tried within the next few days.

P. E. Pullen, in whose case the jury disagreed, will be retried early next week.

Prompt relief in all cases of throat and lung trouble if you use Chamberlain's Cough Remedy. Pleasant to take, soothing and healing in effect. Sold by all druggists.

NATIONAL CROSSCUT NOW 85 FEET

Assays Show High Grade Copper Carbonate in Form of Stringers

At the Williams shaft of the National Mining Exploration company, whose property is located about four miles east of Globe, the crosscut being driven southeast from the shaft on the 660-foot level measures 85 feet and at that length is in quartzite such as forms the hanging-wall of the Black Hawk lode on the Arizona Commercial property adjoining. The chances, therefore, for striking a vein in the near future seem very favorable.

Another development now under way at the Williams shaft is the driving of drifts east and west on the stringer of high grade ore which was encountered at a distance of 50 feet from the shaft a few weeks ago. Assays made of this ore at the time of the strike showed a copper content ranging from thirty-two to thirty-nine per cent. This ore occurs in the form of copper carbonate. So far as the drifting has been continued, the filling of the stringer has proven of about the same grade as was first encountered. It is not improbable that a small test shipment of this ore will be made to the smelter.

Superintendent H. W. Woodward is employing about twenty-five men in development work. With this force, rapid progress is being made in the crosscut from week to week.

BETTER FED ARE CANCER VICTIMS

Dr. Curtin Does Not Credit Fish Theory

WASHINGTON, D. C., May 14.—In a paper presented to the American Climatological association, Dr. R. G. Curtin of Philadelphia took issue with those who have contended recently that cancer was caused by eating fish, particularly trout.

He argued that statistics showed that cancer was more common in centers of population, where not one person in fifty ate trout. Among other conclusions he drew in his paper were that cancer was increasing, that it seemed to be hereditary; that it was more common in temperate regions; blacks and dark-skinned peoples seemed somewhat immune and that it was more common among the better fed.

In connection with the last point, Dr. Curtin said that during the hard times, when the poor had to live on a scant amount of food, cancer among them decreased.

NEEDLES GROUP OF CLAIMS SHOW GOOD ORE

Altered Schist, Similar to Live Oak, Thought to Run 6,000 Feet

In G. L. Walkers' recently issued weekly letter, regarding the copper situation throughout the country, it would appear as if he intends conveying the idea that all large deposits of low grade porphyry copper ores have been discovered and are now under process of development. While this, to a certain extent, is probably correct, there still remains one in the western part of the Miami district, about midway between the Miami and Cactus grounds, that promises to develop into a larger proposition than anything in the district. The Needles group of twenty-seven claims takes in all the altered schist area, as shown on the Globe folio of the United States Geologic Atlas, in the immediate vicinity of, and surrounding the Needle Mountain.

Recent assessment work has penetrated this altered schist, mineralized, at a depth of thirty-five feet that is similar to the schist in the Live Oak mine. This altered schist area apparently extends 3,000 feet in each direction and terminates on the southwest side in the fault that extends from the Continental mine to the southern base of Needles mountain. This ground, taken in connection with the 8,700 feet in length of the fault on which the Continental mine is located, gives promise of developing into the largest copper mine in the county. The fault has the appearance of being from 50 to over 300 feet wide. In the four adits that have been driven, no hanging wall has been encountered. A well defined fissure vein, filled with gossan, is exposed, as far as penetrated, from 25 to 50 feet. Float, undoubtedly from this fault, gives promise of high grade ore. So far, the only work on this group of claims is the annual assessment work, which has produced highly satisfactory results.

A KNOWKZE

Is a man who can't see good in any person or any thing. It's a habit caused by a disordered liver. If you find that you are beginning to see things through blue spectacles, treat your liver to a good cleaning out process with Ballard's Horebalm. A sure cure for constipation, dyspepsia, indigestion, sick headache, biliousness, an liver, stomach and bowel troubles. Sold by Palace Pharmacy.

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ARIZONA BUSINESS COLLEGE

Annoucement Free Scholarship Award

School Opens Monday Morning, May 16th

At 9 o'clock, at which time the DAY SCHOOL classes will be organized. NIGHT SCHOOL classes will be organized Monday evening at 7 o'clock. The Night School will be in session three nights each week, Monday, Wednesday and Friday.

STENOGRAPHIC COURSE

includes instruction in Benn Pitman Short-hand, Touch Typewriting on modern visible typewriting machines. In addition to teaching real touch typwriting without looking at the keys, the course covers instruction in billing, legal forms, tabulation, composition of business letters, spelling, punctuation, typographical arrangement and proof reading.

BOOKKEEPING COURSE

consists of single and double entry book-keeping, covering various lines of business, arithmetic, penmanship, spelling and actual business practice.

SUCCESS OF TUCSON SCHOOL

A word about the success of our school at Tucson, Arizona, will not be out of place here. During the past six months the enrollment there has averaged eighty students, and upon the close of the high school and grammar schools the latter part of this month, the attendance promises to be a record breaker.

Miss Ethel Herndon, of 315 South Devereaux Street, City, wins the Free Scholarship. The following is a copy of her letter:

(COPY)

Globe, Ariz., May 11, 1910.

Arizona Business College,
Globe, Arizona.
Gentlemen:

There never was a time when well trained office help was in greater demand than now. To fill these places one must know how to take up the duties of a modern business office with intelligence and ability. Natural ability is of little use unless strengthened by proper training. A business college can give better results than any school.

It takes little time and money to complete the business courses. Then one is qualified for a more successful career.

To be the employer or employe one must be properly trained to be successful.

Yours truly,
(Signed) ETHEL HERNDON.

The committee of business men who passed upon the letters submitted, selected the letters of the following contestants as being worthy of special mention:

MRS. SARAH E. LIGHTLE
MISS NELLIE H. ALLEN
MISS ELIZABETH HOOVER

EUGENE RUBOTTOM
ROSENA HARMESON
ARTHUR PAVITTE

The management of the Arizona Business College is highly pleased with the interest evinced by the contestants and congratulates Miss Herndon.

ARIZONA BUSINESS COLLEGE

Globe Office Bldg. P. O. Box 808 Phone Main 262 Globe, Arizona

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DEMAND FOR OUR GRADUATES

The demand for Arizona Business College graduates to fill positions with the business men at Tucson has been so insistent that several advanced students have taken positions before completing the course, and over thirty of the students are employed at good salaries, all within a period of six months.

SCHOOL EQUIPMENT

The Globe school is fully equipped with fifteen of the latest model visible typewriters, complete with tabulators, back space key, paragraph key, speed escapements, two color ribbon device, etc., and the touch system can be learned on machines of this class much more readily than has heretofore been possible on the old style machines.

SHORTHAND SYSTEM

The system of shorthand—the Benn Pitman—is acknowledged to be a system easy to learn and hard to forget and is used by the majority of expert shorthand writers of the world, and adapts itself readily to the Spanish language, which is of great advantage in some sections of Arizona.