

# The Flagstaff Sun-Democrat.

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### SECRET SOCIETIES.

**A. O. U. W.—FLAGSTAFF LODGE No. 12.** Meets every Thursday night, in G. A. R. hall. Visiting Workmen are cordially invited. C. A. BUSH, M. W. LOUIS SPISSA, Recorder.

**COURT COCONINO, I. O. F., NO. 888.** Meets every Tuesday evening in G. A. R. hall. Visiting brethren cordially invited to attend. DR. D. J. BRANNEN, C. R. LOUIS SPISSA, H. S.

**FLAGSTAFF LODGE NO. 7 F. & A. M.** Regular meetings on the first Saturday night of each calendar month in Masonic Hall, Kilpatrick building. Sojourning brethren cordially invited. W. H. ANDERSON, Master. J. GUTHRIE SAVAGE, Secretary.

**FOREST CAMP, NO. 1, WOODMEN of the World.** Meets the first and third Sundays in each month, in the G. A. R. Hall. Visiting Sovereigns cordially welcome. T. B. BUNCH, Counsel Com. T. E. POLLAK, Clerk.

**G. A. R.—REGULAR MEETINGS OF** Banner Post, G. A. R. No. 4 Department of Arizona, will be held in G. A. R. hall on second and last Saturday in each month. E. R. JONES, Commander. E. H. CHES, Post Adjutant.

**I. O. O. F.—FLAGSTAFF LODGE NO. 11** Meets every Friday evening in Masonic Hall. Visiting brethren cordially invited. J. E. JONES, N. G. J. L. DUGHERTY, Secretary.

**MOUNTAIN LODGE, NO. 18, K. OF P.** Meets every Wednesday night in their castle hall in G. A. R. hall. All visiting brothers invited to attend. W. A. MAYFLOWER, G. C. C. H. COBLE, K. of R. S.

### CHURCH DIRECTORY.

**CATHOLIC CHURCH, REV. F. DILLY,** Pastor. On Sundays: Low Mass at 7:00 a. m.; High Mass at 10 a. m. Sunday School at 11 a. m. Evening services at 7:30 p. m. On week days: Mass at 7 a. m. On the second Sunday of each month, prayer meeting at 10 a. m.; Sunday School at 11 a. m. All cordially invited.

**FIRST M. E. CHURCH, CORNER OF** Church and Laramie Streets, U. P. Wilson, Pastor. Preaching at 11 a. m. and 7 p. m. Sundays; Sunday school at 10 a. m. Oscar Gilson, Superintendent. Class meetings at 11:15 p. m. Epworth League 6:30 p. m. Prayer meeting Wednesday evening at 7:30. Everybody welcome.

**FIRST PRESBYTERIAN CHURCH,** North San Francisco street, H. P. Corner, pastor. Sabbath services: Preaching 11 a. m. and 8 p. m.; Sunday school, 10 a. m.; Y. P. S. C. E. prayer meeting, 7:15 p. m. Mid-week conference and prayer, Wednesday evening at 8 p. m. A cordial invitation is extended to all.

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## THE GRAND CANYON DISTRICT.

### More Information of the Wonderfully Rich Copper Mines.

Development Work Going on Rapidly on the Claim—One Frequently Runs to a Value of 10 per cent—A New District.

George H. Smalley, Phoenix correspondent of the Republican, visited the Grand Canyon copper district two weeks ago and writes as follows:

The great copper belt running from the Grand Canyon to a point twenty-five miles to the south is not a new discovery. The first settlers of northern Arizona knew it was there. But they did not disturb it. It might just as well have waited until this time to be discovered for the small unit of wealth it has added to the world's riches in all these years. It has been known that it contained valuable deposits of copper. The surface indications were proof of that. A little work in a favorable spot was convincing. The drawback to the development was due to its location in the Coronado forest reserve. The act of Congress opening the reserve to mining operations has just been signed by the President. This makes it virtually a new district.

On the 26th of January of this year Gen. W. O. O'Neill began the first work on his claim in the district. Up to that time the district had seen barely any life. The assessment work of a number of locations was about the extent of it. The Rollises were doing some work in the lower end of the district, and Hogan & Ward were operating in the canyon. This was all. Cameron & Berry have been working some years on some property up the river twelve miles from the Hogan & Ward's claim, but they are not in this belt.

The change has been rapid. Today we find eight camps sprung up since Mr. O'Neill installed the district with life and activity only a few months ago. And they find the district even larger than was supposed. It seems to grow as new work is done. Its boundaries are chiefly a matter of conjecture. It is believed that the belt belongs to the great copper belt which contains the Anaconda in Montana, traverses Nevada and Utah and was first tapped in Arizona by the United Verde at Jerome and afterward a Bisbee. From the Grand Canyon the little belt takes a southerly course with a slight tendency to the west. The width varies. It pinches from about 500 feet. The outcroppings are sufficient to guide you over the most of it if you take a hammer with you. The copper stain is not always present on the rock's surface, but it is invariably found upon breaking it. The formation is limestone from a crumbling state to a hard, fossiliferous rock. The contour of the district is peculiar. There are hundreds of small, low hills with plateau surfaces and gulches and ravines with wide bottoms. The copper vein keeps its general north and south course without regard to the topography of the region it traverses.

General O'Neill has associated with himself Messrs. Lombard and Gunde of Chicago, New York and London, to develop his claims here. The company is adding to its interests here as fast as it can, and the claims now in their possession are being developed rapidly. The company has four camps here at the present time. The first is Anita camp, fourteen miles south of the canyon; the Marshall F. McClure camp, eight miles from the canyon; Rowe's well, where Superintendent Timmons lives, together with other employes of the company, and the Hogan & Ward camp on the rim of the canyon.

Camp Anita is situated in a sheltered basin in the low hills. The cedars and pines grow thickly all about and serve to break the force of the cold winds of the fall and winter months. It is a robust camp for one so young. A long, low log building has been constructed which is used as a dining hall. It has one of those generous fire places in one end which gives it a cozy appearance even at this time of year. A tent is used as an assay office, another is the quarters of Mr. Frank W. Vorse, foreman of the work here, and the third is the sleeping apartments of the miners. A comfortable frame building completes the little camp, and this is the home of the officers of the company when they are here. Just below the camp a large dam has been built which will hold the water coming off the mountains in a natural reservoir. At present water for Anita camp is hauled from Rowe's well. Some rich bodies of copper ore have been opened here. The greatest development is shown at the Short-cut claim. The vein bends with the hill which contains it. The ore is extensive and averages in value about \$20. Several piles containing as much as sixty tons have been taken out. The method of mining is somewhat novel. The nature of the ore bodies and the topography of the country has led Mr. Vorse into a departure from the customary procedure. There is no shaft. Curving about the hill on the slope and just touching the ore vein he has run an open cut. This is made wide enough for a wagon to pass through it. The cut is now 180 feet, and is being extended along the vein. A portion of the side hill runs to a greater height and here for a distance of 210 feet a drift has been made. Out of this drift some 125 tons of ore was taken. Some of it is still here on the dump, and part has been shipped to Pueblo to be smelted. Mr. Vorse will press work from this open cut into the ore bodies in the hill. In this way the greatest time is gained, and the ore can be shoveled into wagons as fast as it is mined. The denuded vein as far as the cut is run shows the entire length of excellent value. It is a limestone formation, and contains enough iron to be self fluxing. The formation is broken and crumbling, thus adding to its value in mining. From the entire development work in the Short-cut 225 tons of ore have been realized up to this time. This ore carries no gold or silver. Pockets are frequently encountered with bunches of ore running to a value of 70 per cent. A striking feature of the ore is its inferior outward appearance when it is contained in the hard formations of lime. No signs of copper are at all apparent, until the rock is broken.

The Hard-up and North Star claim run parallel, and are a mile distant from the Short-cut. A vertical shaft has been sunk on the Hard-up to a depth of fifty feet. Near the surface ore was found, but the work to the present depth has been fruitless. The shaft will be sunk 100 feet, and from that point drifting will begin to reach the course of the ore vein. The North Star has an open cut of forty feet with two tunnels. A shaft is being sunk on the vein near this cut from which twenty-six tons of ore are now on the dump, taken from a depth of ten feet.

All this work has been accomplished with a working force of eight and ten men since the latter part of January. The value of the ore settles the permanency of the camp, and the future is bright for the development of large mines here. The company owns five claims at this point, two of which have not been developed to any extent up to this time. Those opened are remarkable for their richness when you consider the extent of the work done on them.

The Tucson company has purchased the Marshall and McClure claims, which are north of the Anita group

about ten miles. A number of men are working here on good ore. The result of the development work presents another possibility for future greatness among the mines of the camp.

The Hogan and Ward mine, which is among the company's properties, is shown in the canyon nearly 2,000 feet. From the camp on the rim of the canyon a trail has been made to the mine, and it is now being extended to the Indian gardens in the depths of the canyon where some property is also owned by the company. The Hogan and Ward claim is one of the best of the company's properties. There is a great swollen ledge lying in a slide between two points of the canyon's outline. A small tunnel is being driven into this ledge to the south. The ore encountered is exceedingly rich. Sample assays show copper value as high as 70 per cent, but of course this is far from the average. The exact proportions of the ledge are involved in mystery as it is hidden behind the walls of the canyon. In a direct line out in the canyon to the north a large denuded ledge of the same character can be seen. The inaccessible nature of this ledge robs it of its value. Outcroppings between the canyon deposit and the mine near the south wall are prolific. A large boulder with inferior outward appearance was broken and found to contain considerable copper. The depth of the deposit places it in a formation where the white sandstone turns into a bright red. It is very hard, but the copper is in such quantities as to render the difficulties of mining it a matter of small concern. Another point on this claim is being prospected and only yesterday a deposit of rich galena was found.

The company has re-elected Colin Timmons for its superintendent. Mr. Timmons has his family here at Rowe's well from which point he goes to the different working places. In the southwest and Colorado Mr. Timmons is regarded as a thorough mining man. His opinion of a prospect or a mine is valuable among mining men. Mr. and Mrs. Timmons resided in Phoenix last winter and made many friends here.

### Rescued Stevens.

John Stevens, the miner who was entombed in a cave-in of the Mammoth mine at Goldfield July 4, was rescued Saturday morning. The Phoenix Herald says:

Yesterday William Kimball came down from Goldfield to Tempe after Dr. Hart that he might be on the ground to render whatever professional services that may be necessary when the rescue party that has worked so faithfully for the past thirteen days, reached Mr. Stevens the imprisoned miner. All possible preparation had been made and a number who were curious as to the circumstances and the final result went up to the mine last night.

Last evening they had reached a point within a few feet of him, so near in fact that they could converse. "Hurry up and give me some water, I am burning up with thirst," were his first words.

About 7 o'clock this morning the shell was broken between the workmen and the unfortunate below and before they had fairly recovered from the cloud of dust and smoke prepara-

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tory to descending into the drift Mr. Stevens was seen crawling up through the newly made crevice his was and haggard features depicting the awful tortures he had endured since the afternoon of the fourth of July.

The physician descended the shaft and took charge of the man and though he is seemingly in better condition than was expected at last report he had not been taken to the surface.

Mr. Stevens was in full possession of his reason and well kept his bearings and record of time. Though his awful confinement has left him but a shadow of his former self he has suffered no relapse and it is believed no difficulty will be experienced in bringing him back to health and strength. It is estimated that he has lost about forty pounds during his imprisonment. He ate his lunch just before the cave in occurred on July 4th, consequently he has been entirely without food. He had but one gallon of water and that was exhausted on Tuesday, July 6. Since then he has not only endured hunger and thirst but heavily held out against a seeming cruel fate, maintaining his reason and self possession, signaling with regularity and precision and though withering away kept up both faith and works. When they reached him it was discovered that he had heard the sounds above him and dug up toward them a distance of six feet. Probably no case in this vicinity has ever excited both sympathy and curiosity to such an extent as the awful ordeal of Mr. Stevens and his experience is a marvellous illustration of the resources and strength of a brave and determined man. There is universal happiness over his deliverance and the breaking of the awful suspense.

### Murdered Her Family.

LONDON, July 16.—Emma Symonds, the wife of an engine-fitter, cut the throats of her four young children and then her own last night. Symonds returned home about 10 o'clock this morning and as he entered the bedroom he stumbled over the bodies of his two children dead and found his wife and the others dying. Mrs. Symonds, after a period of abstinence, broke the pledge on the diamond jubilee day and had been drinking heavily ever since.

Yavapai county has sixty-eight organized school districts, and last year employed twelve male and thirty-six female teachers. The highest salary paid was \$125 per month, and the least \$60, the average being \$73.50 per month. Total amount paid teachers was \$29,376.12.

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