

## Two Mining Strikes Made During Past Week

### New Ore Bodies Are Proved in Developments of Tonopah Mines

#### ORE SHIPPED AND TREATED DURING THE WEEK

A table of the ore shipped or treated by the various mining companies of the Tonopah district during the last week as follows:

	Tons
Tonopah Mining Co.	3425
Belmont	3083
Montana Tonopah	1075
Tonopah Extension	1071
West End Consolidated	980
MacNamara	430
Jim Butler	300
Midway	50
North Star	40
<b>Total</b>	<b>10,454</b>
Estimated value	\$261,350

#### IMPORTANT DEVELOPMENTS OF THE WEEK

High-grade ore opened up on 1250-foot level of North Star. New find on 600-foot level of Jim Butler greatly improves. Belmont ships 56 bars of bullion. West End Con. ships 20 bars of bullion. MacNamara ships 8 bars of bullion. Tonopah Mining ships 34 bars of bullion. Tonopah Extension ships 25 bars of bullion.

## JIM BUTLER FIND ON 600 LEVEL IS BEING EXPLORED

Through its exploration during the last week, the find of a body of broken-up quartz of good value, cut about ten days ago in a crosscut 45 feet from the end of a 200-foot drift to the north on the 590-foot level of the Wandering Boy shaft, has developed into one of the most important discoveries made in the Jim Butler mine for some time past. When first encountered, it was the belief of Superintendent W. J. Pike and other mining men familiar with the ground, that the find constituted the exposure of the downward extension of the old Fraction ledge, which pinched out at a point about 250 feet below the surface several years ago.

During the last week, however, the discovery has proven up in such a satisfactory manner that it has become somewhat of an enigma, with the result that Superintendent Pike is not altogether certain as to the accuracy of his first theory. He is inclined now to think that it is either the downward extension of the old Fraction ledge or an entirely new blind vein. At any rate, the discovery is one of vast importance and its further development will be watched with the keenest interest.

By means of a crosscut the new find has been explored for a width of about 20 feet, the working having penetrated that thickness of mixed ore and waste without revealing a second wall. As the crosscut advanced, the showing steadily improv-

ed in appearance, the vein becoming more solidified and assuming a proper form, pitching to the north and striking northwest and southeast. Several days ago the crosscut work was temporarily suspended and drifting to the east in the vein was begun. The new drift has advanced about 6 feet with the most pleasing results. Exclusive of the waste, the quartz, encountered in the crosscut, as a good grade and that extracted in the exploration work has been sent to the old Belmont mill at Millers. Work in the crosscut will be resumed in a few days to determine the exact extent of the vein.

In the bottom of the present face of the crosscut, there is 18 inches of very good ore and there is every condition present to indicate that the apex of a vein and rich shoot has been revealed. The find presents a rather peculiar and interesting condition, especially when its depth is taken into consideration. The ore is both sulphide and oxide in character. Some of the pieces of rock extracted show an abundance of horn-silver and ruby silver.

On the 190-foot level, drifting to the east continues on 2 feet of low-grade ore. Raise No. 190 has been temporarily stopped about 100 feet above the drift. On the 300-foot level, north crosscut No. 419, is still going ahead in trachyte. Operations in the stopes continue to yield their quota of ore, the usual 300 tons having been shipped to the old Belmont mill at Millers during the last week.

## MONTANA MILL INCREASES TONNAGE FOR PAST WEEK

The tonnage treated during the last week by the mill of the Montana Tonopah Mining company was slightly greater than during the previous week, 1,075 tons as against 1,034 being handled. An extraction of 91.5 per cent was made, which was a half a per cent better recovery than the previous week.

The production of a gratifying quantity of high grade ore and a noteworthy improvement in the general yield of rock of the stope on the South vein on the 465-foot level, especially in the eastern portion of the stope, continues to hold the principal interest in the work underground. The 18-inch streak of picture ore, recently encountered in the three foot vein, is still showing up in good shape. Highly satisfactory conditions continue to prevail in the western portion of the same stope, as well as in the various other stopes and drifts throughout the mine. A total of 225 feet of new ground was broken on the various levels of the mine during the week.

The details of the work during the last week follows:

162-foot level—Stope No. 162 continues to produce a large tonnage of good rock, with no change in the size of the ore bodies. In the eastern section of the stope, the ore measures from 8 to 10 feet wide while in the western portion there is 5 to 6 feet of good rock. The yield from the eastern section of the stope continues to occasionally give high-grade values. The north crosscut in the hanging wall of the vein, advanced 14 feet and cut about 2 1/2 feet of low grade quartz. The crosscut from the east end of the main drift was extended 25 feet

in thachyte.

390-foot level—The drift on the eastern portion of the Shaft vein which was picked up in a raise just west of the shaft, advanced 15 feet in low grade ore, with occasionally spots of good ore. Stope No. 120 continued to produce a large tonnage of ore. The east end of the stope is working up under the 162 foot level. The vein is the same as foot in the hanging wall north crosscut on the 162-foot level. Work was resumed in the old stope on the east end of the MacDonald vein on 4 to 5 feet of good ore. The stope is about 100 feet long and is at present only from 20 to 30 feet high. At a point about 70 feet south of the shaft from the main south crosscut, a crosscut to the east will be started toward the Mizpah fault for the purpose of picking up the eastern extension of the shaft vein.

465-foot level—Stoping operations on the South vein, immediately west of the shaft continued to produce very good ore. The western section of the stope, in particular, continues to improve in width and value, the ore measuring in some places 5 feet. High grade ore continues to be found in the average 3 feet of good ore.

515-foot level—Operations on this level are being confined to stoping on the Shaft vein which continues to produce a very good ore. A crosscut is to be started northeast from the east end of the drift on the MacDonald vein toward the Mizpah fault to determine whether or not there is any extension of the A. B. K. vein.

565-foot level—The crosscut from the western portion of the MacDonald

#### BELMONT TONNAGE AND EARNINGS FOR AUGUST

The tonnage bullion production and earnings' report for the month of August of the Tonopah Belmont Development Co. follows:

Dry tons milled	11,736.000
Net value	\$298,566.12
Gold bullion, ounces	3,272.115
Silver bullion, ounces	329,000.29
Net profit	\$151,074.18

## BELMONT MAKES SECOND SEPT. BULLION SHIPMENT

With the shipment Thursday of 56 bars, weighing 96,788 ounces, the bullion production of the Tonopah Belmont Development company from ore treated in its new mill thus far for this month was brought up to 177,254 ounces, which is about a quarter of a ton less than 6 tons. Thursday represented the second clean-up of this month and the fourth since the mill was placed in commission. The first shipment this month was made Thursday of last week and weighed 80,466 ounces. Figured at 75 cents an ounce, the total of 177,254 ounces, extracted from ore treated up to the time of the second clean-up this month, has a value of \$134,713.94.

That the various stopes and drifts are steadily maintaining their usual output and that there is excellent foundation for the prevailing belief that the production of the company this month will be of the record breaking character is clearly evidenced by the fact that the new mill last week handled a total of 3,983 tons, from which the usual satisfactory recovery was made. Aside from preparations for the resumption of sinking operations in the shaft by the cutting of a pump sump on the 13th level, and the starting of several new raises on the deeper levels, the work and development in the mine during the last week were of a routine nature. They follow:

900-foot level—While no development work was done on this level during the last week, the stopes

produced their usual tonnage of ore. 1000-foot level—North crosscut No. 1008 was extended the usual distance in thachyte. The northeast drift from crosscut No. 1001 was discontinued and the machine used there is now prospecting the hanging wall of the Belmont vein. North crosscut No. 1039 was also discontinued and its machine is also being used at present in prospecting the walls of the Belmont vein.

Intermediate level below 900-foot level—The usual headway was made on fair ore in the west drift from raise No. 9.

Intermediate level between the 1000 and 1100-foot levels—West drift No. 2 from raise No. 8 on the Shaft vein was extended the usual distance in good ore.

1190-foot level—North crosscut No. 4 in the hanging wall of the Belmont vein was discontinued and work in south crosscut No. 2 was resumed, the face showing very promising looking trachyte. The west drift on the Middle vein made the usual progress, the face revealing low grade ore, with occasional bunches of good milling ore. No. 1 crosscut on the Desert Queen side made the usual headway. A new raise, No. 12 was started in the east drift on the Shaft vein. Its face is in low grade milling ore. Work was resumed on the Shaft vein in raise No. 11 to connect with the intermediate level a short distance above.

1165-foot level—The east drift from

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## SEPTEMBER SHIPMENTS OF M'NAMARA TOTAL \$30,000

The second bullion shipment for September was made by the MacNamara Mining company last Monday when eight bars, valued at between \$12,000 and \$13,000, and representing two weeks' run, was shipped, bringing the total for this month to date up to approximately \$30,000, 12 bars valued at \$17,000 having gone forth the early part of the month. Due to repairs, the treatment of ore in the mill during the last week was slightly less in tonnage than the previous week, 430 tons being handled during the last week.

A notable improvement in the ore showing in the new drift No. 27 was the principal development in the mine during the last week. To the west, drifting has been temporarily suspended and a raise, which will later become a stope, has been started, while to the east drifting advanced a distance of 20 feet during the week. In all, the drift work has to date been prosecuted to a total length of about 100 feet, ore of a good grade being exposed the entire distance. The raise started recently on the north side of the MacNamara Extension fault, which last week exposed quartz believed to be the north segment of the Lower Contact vein, made good progress. It has penetrated the quartz diagonally a distance of 30 feet, which is equivalent to 20 feet of the thickness of the ledge. The rock being extracted is low grade value. The manner in which

the quartz body is showing up more than ever supports the belief of Superintendent Sherwin that it is the north segment of the Lower Contact vein. However that point will not be entirely settled in his mind until the hanging wall, which should be Tonopah rhyolite, is revealed by the raise.

A detailed account of the work in the mine during the last week follows:

200-foot level—Stope No. 2 continued to show up a good width of mill ore and yield its usual tonnage.

275-foot level—Work to the west in new drift No. 27 was stopped to put up a raise, which will later be made a stope. Work to east advanced 20 feet in a good grade of ore.

300-foot level—No changes occurred in stopes Nos. 5, 8 and 10, the work making good headway and yielding the usual tonnage of a good grade of ore. The ore in the new raise from crosscut No. 32, now up more than 50 feet, widened out to eight feet of very good ore, and signs of the hanging wall appearing have not yet been encountered.

375-foot level—Operations on this level continue to be confined to old stope No. 11, where 5 feet of ore on the hanging wall is being taken down and 2 1/2 feet against the footwall is being extracted, both being good grades of ore.

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## HUGE BULLION SHIPMENT IS MADE BY TONOPAH MINING

The Tonopah Mining company on Wednesday shipped 34 bars of bullion, valued at \$50,000.00 and 18 tons of concentrates, valued at \$10,000.00.

On an average of 99 of the 100 stamps of the mill were kept dropping during the week, with the result that 3,425 tons of an average value of \$18.50 a ton were treated, from which an extraction of 99 per cent was made.

New work on the 540, 640 and 740-foot levels of the Silver Top shaft, with an improvement in the width of the ore in the west drift off the south crosscut, west of the shaft, on the first named level, were the principal developments in the extensive workings during the last week. On the 540-foot level on the shaft and in the workings named, the ore widened out from 1 to 3 feet of a mill grade. A new raise was started on the west end of the Valley View vein on the 540-foot level to connect with the level above. Work was resumed in the main east drift on the 640-foot level to encounter the downward extensions of the veins above, while a new drift was begun on the 740-foot level west from the north crosscut, just north of the shaft, on a stringer of average grade ore.

The development work performed in the various mines of the company during the last week measured 173 feet, distributed as follows: Mizpah, 7; Red Plume, 65; Silver Top, 161.

A detailed account of the work in the various mines follows:

Mizpah Shaft  
200-foot level—Operations continue to be confined to stoping on the Mizpah footwall vein on 2 feet of average grade ore.

400-foot level—Stoping was continued on the Mizpah footwall vein, yielding a good tonnage of ore.

500-foot level—There was no development work done on this level during the last week. Stoping continued on the Valley View vein on 3 to 4 feet of mill ore and upon the Mizpah vein, west of the shaft, on 5 feet of average grade ore.

600-foot level—No development work or stoping is being prosecuted at present.

Red Plume Shaft

600-foot level—With no change in conditions, the west drift toward the Sand Grass shaft made the usual progress. The usual headway was made in the two raises in the footwall crosscut from the main drift on the South vein. The east raise, showing a full face of quartz, will probably connect with the stope above in the next few days. There was no change in the west raise. Stoping on the South vein advanced the usual distance on a 6 to 8 feet of mill ore.

700-foot level—The customary headway was made in the east in-

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