

Chauncey Florey, Box 26, Medford, Oregon, and associates plan to start a small mill next September at their Little Arctic gold mine on King Mountain in Jackson County, Oregon. Three men are currently employed at the property and three more will be added. Bert McTimmonds of Grants Pass and John Reter of Clinton, Iowa, are interested in the mine with Florey.

(The "Mining Journal" July 30, 1945)

CUDDY MOUNTAIN MINING COMPANY has commenced the development of the Little Arctic mine near Medford, Oregon. This mine has yielded spectacular visible gold, and high grade assays have been obtained from present exposures. The sinking of a shaft has been undertaken.

Taken from Modern Prospector, September, 1948, page 3.

LITTLE ARCTIC

State Department of Geology and Mineral Industries

1069 State Office Building

Gold Hill Portland 1, Oregon
Jackson

INVESTIGATION OF MINERALIZATION IN Secs. 7 & 8, T. 33 S., R. 4 W.,
NORTHEAST OF KING MOUNTAIN, DOUGLAS & JACKSON COUNTIES, OREGON

Introduction:

This investigation was made at the request of the State of Oregon Forestry Department to determine the extent and amount of mineralization adjacent to the King Mountain Truck Trail, especially in the SW $\frac{1}{4}$ of sec. 8, T. 33 S., R. 4 W.

The area was visited on April 25 and a reconnaissance along the existing (King Mt. Truck Trail) road was made. The land adjacent to the road in sec. 8 has been logged and soil and brush cover the bedrock in most places. More detailed investigations were made of the Little Arctic Mine in the SW $\frac{1}{4}$ of sec. 8, and of 2 mining claims in the SE $\frac{1}{4}$ of sec. 7, T. 33 S., R. 4 W.

Ownership:

The south half of sec. 8 in which the Little Arctic Mine is located is reported to be owned solely by Mr. Chauncey Florey and/or his wife of Medford, Oregon. The mine which is in the SE $\frac{1}{4}$, SW $\frac{1}{4}$ sec. 8 is presently under lease to Nelson Florey of Medford, Oregon.

The mining claims in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7 are the Flying Squirrel and the Little Arctic Claim and are at the present time claimed by: (1) Mr. Bert McTimmonds of Grants Pass, who originally located the claims in 1936; (2) Mr. Chauncey Florey of Medford who obtained an interest in the claims about 1940; and (3) Mr. W. F. Kernin of Roseburg who relocated the claims in 1959. A check of the records at the Douglas County Court House shows that annual assessment work affidavits have been filed separately by the

3 parties for 1960 and 1961.

Location:

The Little Arctic Mine is in the extreme NW corner of Jackson County in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. 8.

The mining claims, Flying Squirrel and Little Arctic Claim, are in the extreme southeast corner of Douglas County in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 33 S., R. 4 W. This area is accessible from the King Mt. Truck Trail which follows the ridge between Grave Creek and Upper Cow Creek drainage (see enclosed sketch map for location of mine and claims).

History:

The Flying Squirrel and Little Arctic claims were staked in 1936 by Bert McTimmonds and Roy H. Edwards. At about the same time they discovered gold at the Little Arctic Mine and found that the S $\frac{1}{2}$ of sec. 8 was patented as timber claims. The S $\frac{1}{2}$ of sec. 8 was purchased by McTimmonds from Jackson County sometime in 1937 or 1938(?). About 1940 Chauncey Florey obtained a part interest in the Little Arctic Mine and in the 2 mining claims in sec. 7. McTimmonds operated the mine during the late 1930's and early 1940's and has reported a production of \$5,000 to \$6,000 in gold. No records of production were kept. Numerous high grade ^{ore} specimens were sold.

In 1948 the Little Arctic Mine was leased and operated by the Cuddy Mountain Mining Co., Spokane, Washington.

In 1950 the mine was under lease to Byron Harmon of Roseburg who reports that the total production (all operators) from the Little Arctic Mine has been closer to \$10,000.

In 1952 the King Mt. Mines Oregon, Ltd., was leasing the mine and after a long idle period it is presently (1962) being leased by Nelson

Florey of Medford who is operating in a small way on surface exposures.

Development work:

Little Arctic Mine: At the time of the inspection all of the workings except a small glory hole shaft were inaccessible. Mr. Nelson Florey was at the property and showed us the old workings. The mine was originally opened by a vertical shaft about 70 feet deep and later a west-trending tunnel about 300 feet long was projected to connect to the bottom of the shaft. There are numerous small overhead and underhand stopes and cross-cuts from this main tunnel. A glory hole just north of the main shaft follows an irregular east-west sheared talcy zone that dips steeply to the south toward the main shaft. Mr. Florey is planning to rehabilitate the old workings through the main shaft. No mine maps are available but the old workings are spotted on the enclosed sketch map.

Flying Squirrel and Little Arctic Claims:

The only development noted on the Little Arctic Claim is a shallow open cut that exposes a narrow (12") east-trending shear filled with talcy serpentine.

To the northeast and up the hill on the Flying Squirrel claim there are 4 bulldozer cuts that all trend about E-W, and a caved tunnel that trends S. 50° E. The tunnel is reported to extend for at least 100 feet to the east. The remains of a small mill were found down the hill on the west edge of the claim.

Geology:

General: Regionally the area is underlain by a northwest-trending belt of serpentine and metavolcanic rocks. Diller (1924) mapped a north-east-trending contact between serpentine on the northwest and greenstone on the southeast through secs. 8 and 15. This contact is roughly parallel

to the ridge and the existing road. A closer look in the immediate area shows that serpentine and greenstone are irregularly and complexly mixed. The greenstone occurs as large blocks, lenses, and masses, like islands in the sheared serpentine. Serpentine appears to be more abundant to the northwest and greenstone predominates to the southeast.

Metavolcanic rocks: The metavolcanic rocks are extremely heterogeneous. They vary from light to dark, fine-grained to coarse-grained and show various gradations of alteration. They are generally highly fractured, permeated with veinlets of quartz and complexly intruded by the serpentine. The metavolcanics are broadly classified as greenstones owing to the dull green color given to them by the minerals chlorite, hornblende, and epidote, which are common in the altered metavolcanics. In some outcrops recrystallization of the greenstone results in a texture similar to diorite. In other outcrops light gray fine-grained varieties are mainly silica and resemble quartzite or chert.

Serpentine: The serpentine belt that trends northeast across this area is rather broad and can be traced from Sexton Mountain on the southwest to Cedar Springs Mountain on the northeast. Near King Mountain the serpentine is extremely sheared and broken and locally highly altered to talc. One small mass of hard blocky serpentine was noted near the Little Arctic Mine workings. Alteration to serpentine is almost complete and only occasional minerals of the original ultrabasic rocks are present. Further hydrothermal alteration to talc is common and the gold and copper mineralization appears to be closely related to this alteration.

Mineralization:

Both gold and copper mineralization are present. Gold is the most important and occurs entirely within serpentine in the Little Arctic Mine.

Extremely thin coatings of gold are found on fracture surfaces and in talcy shear zones. Occasional thicker flat pieces of gold were reported. Most of the production is reported to have come from a lens of hard dark green serpentine that contained veinlets of gold up to $\frac{1}{2}$ " thick. Calcite is sometimes present with the mineralization and arsenopyrite containing gold is reported from below the zone of oxidation.

Similar gold mineralization is found at the Oro Grande Mine about 5 miles to the southwest and at the Warner Mine about 2 miles to the northeast.

The trend of the mineralized shears appears to be almost East-West. A strong N. 80° E. shear about 8' wide can be seen below the tunnel alongside of the mill building at the Little Arctic Mine. Subsidiary north-trending sheared zones filled with talc and clay are also reported from the underground workings.

In the bulldozer cuts at the section line between sec. 7 and 8 on the Flying Squirrel claim, irregular east-west shears contain occasional to abundant copper minerals (chalcopyrite, malachite, azurite). These occur as small lens shaped masses surrounded by iron-stained talc. No mineralization was seen adjacent to road crossing the SW $\frac{1}{4}$ of sec. 8, however, most of the land is covered with overburden and vegetation that masks any mineralized structures that may be present.

Samples were taken from zones of mineralization at the Little Arctic Mine, Flying Squirrel claim and Little Arctic Claim. These have been submitted to Portland for assay.

Visited: April 25, 1962.

Report by: N. Peterson, L. Ramp, April 27, 1962.

Informants: Byron Harmon, Bert W. McTimmonds, Nelson Florey.

References: Diller, J. S.; Kay, G. F., 1924, Riddle Folio Oregon: U. S. Geol. Survey Geol. Atlas, Folio Z18, 8 p.

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STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
PROJECT SAMPLE RECORDSAMPLES SUBMITTED BY: Len Ramp (DOGAMI) ADDRESS: P.O. Box 417, Grants Pass, Oregon DATE: 4/26/62

Sample No.	Mine or Prospect	Type	District	S.	T.	R.	Assay For
(1) WG - 57	Little Arctic Mine	8' channel	Gold Hill	8	33 S	4 W	Au, Ag
(2) WG - 58	Little Arctic Mine	grab	" "	8	33 S	4 W	Au, Ag
(3) WG - 59	Flying Squirrel Claim	grab	Riddle	7	33 S	4 W	Au, Ag, Cu
(4) WG - 60	Little Arctic Mine	12" channel	Riddle	7	33 S	4 W	Au, Ag
(5) WG - 61	Flying Squirrel Claim	grab	"	7	33 S	4 W	Au, Ag

Descriptions:

- Sample cut across 8' talc & serpentine gouge from 8' shear zone below mill at Little Arctic Mine — trend N 80° E.
- Dirt from near surface at upper shaft of Little Arctic Mine.
- Sample from copper prospect in sec. 7, T. 33 S., R. 4 W.—talc serpentine with secondary copper stain & iron oxides.
- 12" cut across sheared talc and serpentine from discovery cut of Little Arctic claim in SE $\frac{1}{4}$ sec. 7, T. 33 S., R. 4 W.
- Assorted chips of iron-stained talc & serpentine from prospect cut on Flying Squirrel claim in SE $\frac{1}{4}$ sec. 7, T. 33 S., R. 4 W.

Results:

	GOLD (Au)	SILVER (Ag)	COPPER (Cu)	NICKEL (Ni)
P-27413 (WG-57)	Nil	Nil	--	--
P-27414 (WG-58)	0.28 oz.	Nil	--	--
P-27415 (WG-59)	Trace	Nil	1.40%	Trace
P-27416 (WG-60)	Trace	Nil	--	--
P-27417 (WG-61)	Trace	Nil	--	--

Ryce Wilson, Star Route, Glendale, Oregon

Has done assessment work on the claims known as the Texan Group.

Operated in 1948 - by Cuddy Mountain Mining Co., Spokane Washington -

Also ~~operated~~ leased by a group from Montana later (?)
Also leased by King Mountain Mines, Oregon Ltd. in 1952.

The workings at the Little Arctic are reported to be a 45 foot shaft and short tunnels - possibly totaling several hundred feet - No reports or mine maps are available.

Barney Harmon, Roy Rannels, have investigated the property and possibly some information could be obtained from them.

Production by McTimmonds is reported to be \$5000 to \$6000.

Phone call to Chauncey Florey in Medford to obtain permission to go on property was granted & He was very specific about not wanting the State to cross his property with a buried cable. When asked if he was the sole owner he said he was the only owner that he knew of and said he had purchased the property about 20 years ago. Indicated that he has instructed his attorney Gene Brown to handle this with the State of Oregon.

The ownership of the $5\frac{1}{2}$ of sec. 8 appears to be a tangled web. McTimmonds has nothing in writing or on paper to show his share of the ownership and yet he is reported as the owner as late as 1950 and he claims to have a $\frac{1}{3}$ ownership now.

Information from Burt McTimmonds

April 23, 1962

3:00 P.M. to 5:30 P.M.

Burt McTimmonds prospecting near the head of Staveont Creek discovered gold-bearing serpentine on the Little Arter and Flying Squirrel Claims in the SE 1/4 sec. 7, T. 33S., R. 4W. in 1936. These 2 claims are in Douglas County. These are also known as the Texan claims as they were leased to a group of operators from Texas.

~~The~~ McTimmonds also discovered gold bearing serpentine in the SW 1/4 of sec. 8. T. 33S., R. 4W. The south 1/2 of sec. 8 was in 1936 County land, being 2 timber claims that has apparently reverted to the county for taxes. McTimmonds reports that he contracted with Judge Day to buy the S 1/2 of sec. 8 ^{for \$2 1/2 per acre} paying \$2500 down and other money from time to time.

Mr. Roy Edwards who was then a Forestry lookout on King Mt. obtained a working interest from McTimmonds this was a verbal agreement to the effect that for work performed he should receive 1/2 the profit. Mr. McT reports that Edwards frequently became drunk and spent all his money in ~~the~~ town of Rogue River and on one of these occasions he sold his interest to a Mr. Petticore (sp?) of Rogue River. Mr. Petticore subsequently sold his share to Mr. Chauncey Florey of Medford in 1942 (?) ^{time} A Mr. Neff also secured a 1/3 interest and ~~then~~ subsequently sold his interest to a banker in Medford and eventually this share went to Nelson Florey.

Mr. Florey also purchased a 1/2 interest in the Texan Group claims.

Timber sold from the S 1/2 of sec. 8 - \$24,000

Last year the Texan Group Claims were relocated by ~~Mr.~~ ^{H.W. Lidgley (?)} and Hagberg - this could be checked at the Douglas County Court House.

Little Arctic

NAME	OLD NAMES	PRINCIPAL ORE	MINOR MINERALS
335	4w Sw 1/4 Sec 8	<u>PUBLISHED REFERENCES</u>	
T	R	S	
Jackson		COUNTY	
Gold Hill		Mining District	
AREA			
4800' 4750'		ELEVATION	
King Mountain Truck Trail		ROAD OR HIGHWAY	
DISTANCE TO SHIPPING POINT			
PRESENT LEGAL OWNER (S)		Address	
Chauncey Florey			
Old Stage Road			
SP 3-1121			
OPERATOR (inactive)			
Name of claims	Area	Pat.	Unpat.
Name of claims		Area	Pat.
Unpat.			
EQUIPMENT ON PROPERTY			