247

Item# 51

4020 0028

Cu-0
Pb-0
Zn-0
Ag-1
Au-2

a. Round Mountain district, Nye County, Nevada.

b. Geographic coordinates: 38°41'N., 117°04'W.

c. Status of exploitation: Discovered in 1906. Production 1906-1921 was 188,398 oz. Ag., $5,048,876, Au., and 1½ tons Pb.

d. References: Lincoln, F. C., 1923, Mining districts and mineral resources of Nevada: Reno, Nev. Newsletter Pub. Co., p. 180-181; Kral, 1951, -----: Nev. Univ. Bull. 50.

e. Adequacy of present knowledge: Probably inadequate.

f. Topographic coverage: Inadequate, Tonopah, 1907, one degree, 1:250,000.

g. Major mineralogic and geologic features: Paleozoic sediments intruded by granite to east. Paleozoic and Tertiary beds intruded by rhyolite at Round Mtn. Gold deposits occur as primary and secondary veins in Tertiary rhyolite. Primary veins are narrow and consist of quartz, adularia, alunite, free gold alloyed with silver, auriferous pyrite, and realgas. The secondary veins are later fissures that follow or cross primary veins and contain iron and manganese oxides and gold. Tungsten deposits east of Round Mtn. are narrow veins of quartz, fluorite, muscovite, huebnerite, and tetrahedrite in Cretaceous granite.

Silver in the United States

(Data sheets for individual mining districts, prepared in conjunction with metallogenic map for 1960 International Geological Congress.)

Authorship:

E. T. McKnight - All districts west of the Mississippi River, except most of those silver-producing districts containing less than 1,000 tons of lead or zinc in the following states: Arizona, New Mexico, Nevada, Oregon and Washington. Also the following silver districts in 4 of the states mentioned: Vulture, Ash Peak, Miami, Globe, and Helvetia, Ariz.; Apache, Black Range, Chloride Flat, Georgetown and Lake Valley, New Mexico: Ashwood and Granite, oregon; Deertrail, Nespelem and Ruby-Conconully, Washington.

A. V. Heyl, Jr. - All districts east of the Mississippi River (except White Pine, Mich.) White Pine district, Michigan.

Harry Klemic and W. L. Newman - Silver districts not associated with lead or zinc, in Arizona, New Mexico, Nevada, Oregon, and Washington (except as listed above).

Size categories of deposits
(as penciled in left margins)

	0	1	2	3
Cu	Less than 1,000 tons	1,000 to 50,000 tons	50,000 to 1,000,000 tons	More than 1,000,000 tons
Pb	"	"	"	"
Zn	"	"	"	"
Ag	Less than 100,000 oz.	100,000 to 5,000,000 oz.	5,000,000 to 50,000,000 oz.	More than 1,000,000 oz. 50
Au	Less than 10,000 oz.	10,000 to 100.000 oz.	100,000 to 1,000,000 oz.	More than 1,000,000 oz.

(NOTE: Categories for Au are less certain than for others.)

District No. on metallogenic map penciled at lower right