Initials: JM

File Name: 42897

Commodity: Ag Au Cu Pb Zn

Country: USA

State/Province: Nevada

County: Elko

Project: New World Exploration Company Property

Date: 1953

Title/Subject: Correspondence and Report on the New World Exploration Company Property

Notes: In the Railroad Mining District.

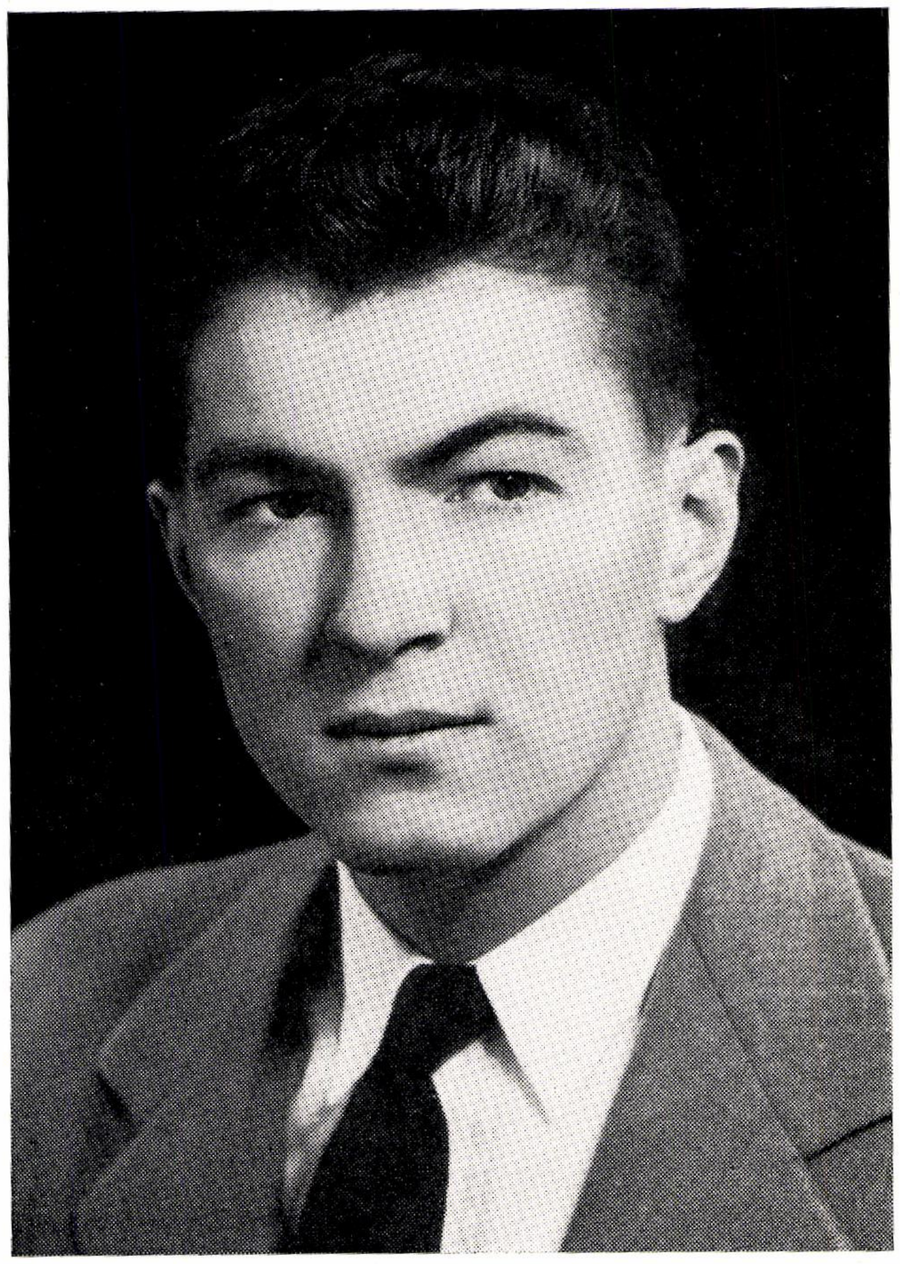
— Oversize Doc(s) ✓ Assay Data ✓ Log(s)

Map Scale: —

T: —

R: —

S: —

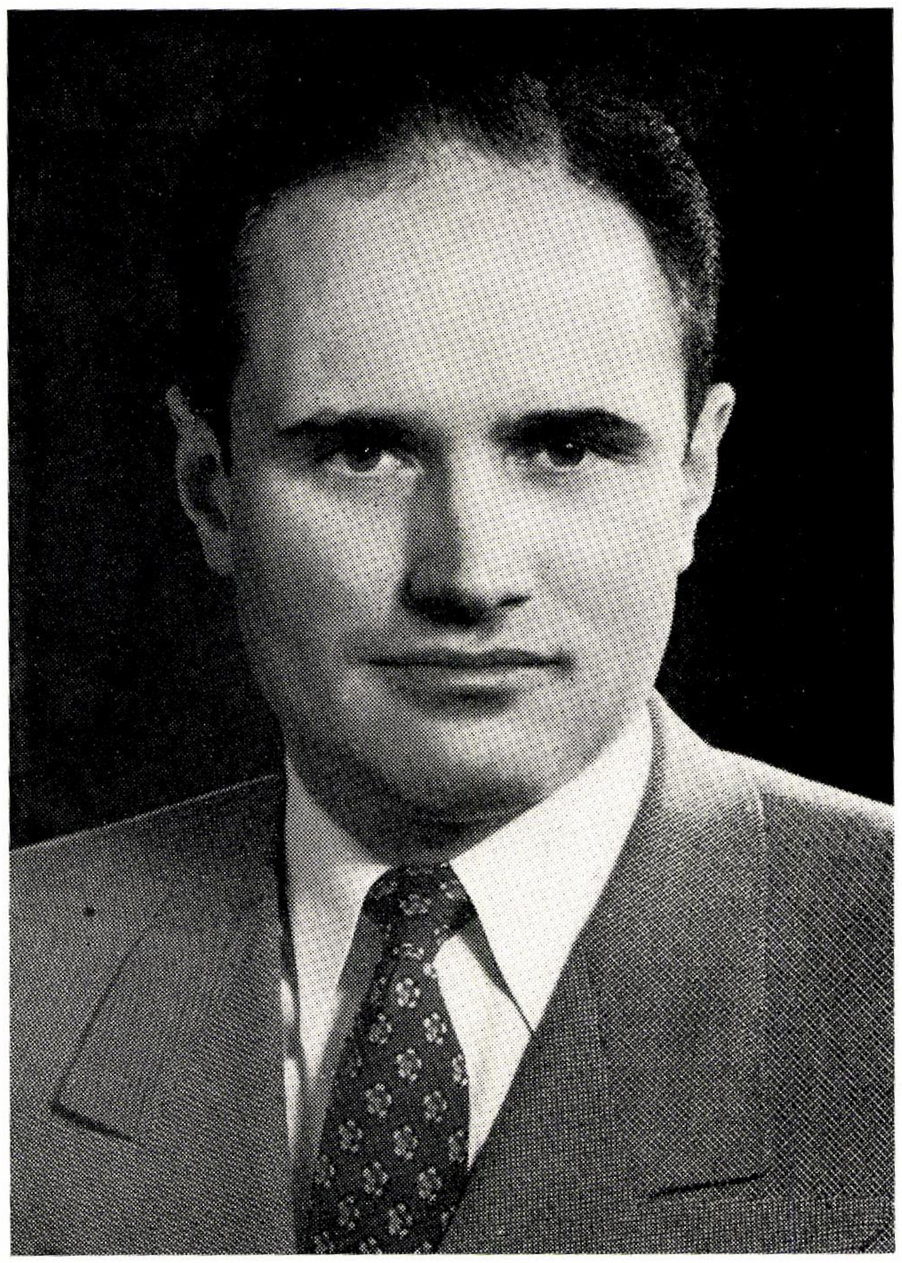


GEOLOGY DIVISION HEAD

Robert W. Decker and his staff handle all your exploration work in the geology field including literature surveys, reconnaissance examinations, geology surveys, sampling, evaluations and recommendations.

His experience in exploration geology extends from iron exploration in Venezuela to mineral and petroleum exploration in Nova Scotia, Canada, Pennsylvania, Oklahoma and the western states.

Behind this experience is a solid academic background with B.S. and M.S. degrees from Massachusetts Institute of Technology and a D.Sc. degree from the Colorado School of Mines.



GEOPHYSICS DIVISION HEAD

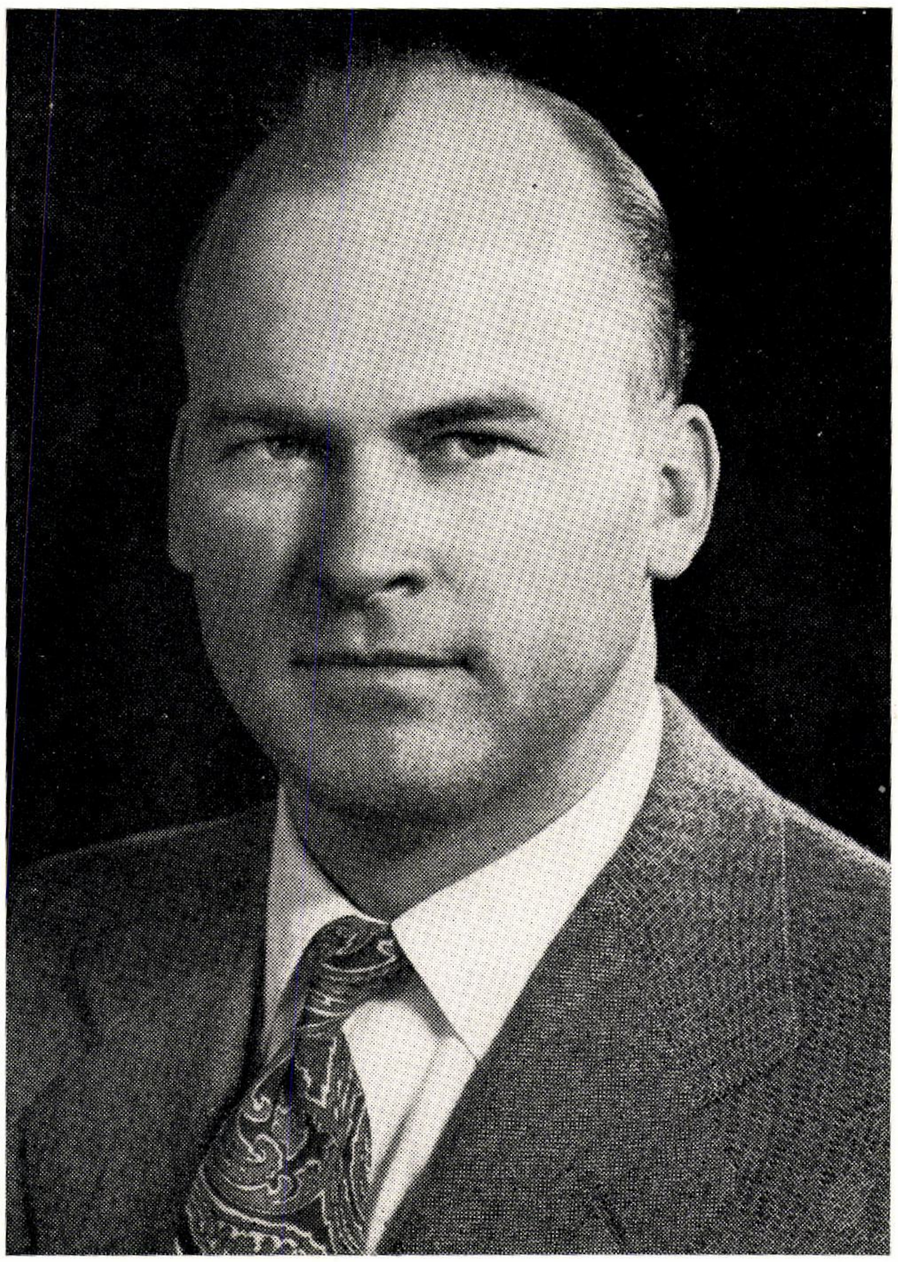
Russ Miller and his staff conduct all geophysical surveys recommended by the combined techniques. These surveys utilize magnetic, electrical, gravity and geochemical methods.

His experience includes exploration geophysics throughout the western states.

His academic background includes a B.S. degree from Massachusetts Institute of Technology and advanced geophysical work at Colorado School of Mines.

48

N NEW WORLD EXPLORATION SERVICES S W E



ENGINEERING DIVISION HEAD

F. T. Quiett and his staff operate New World's mining properties including iron, lead-silver and tungsten mines. Their experience will help you solve your operational and management problems. Also within this division is the contract diamond drilling department offering low cost, high speed diamond drilling.

His experience includes operation of placer properties, open pit and underground mines throughout the western states.

An engineering degree and a M.S. degree from the Colorado School of Mines constitute his formal education.

PERSONNEL

The key to successful mineral exploration is
ACCURATE INFORMATION
AT LOW COST

NEW WORLD EXPLORATION SERVICES

bring you this information accurately and economically in the field of geology, geophysics and diamond drilling.

Experience gathered in hundreds of surveys on all types of mining and petroleum projects in many areas combined with years of specialized training guarantees to you information and facts which are completely reliable.

Call on New World Exploration for these services in the mining and petroleum fields.

•

CONSULTANTS

Foreign and Domestic

Geology Geophysics

Mine Management

Contract Diamond Drilling

Phone 2-8213

Box 1206 Reno, Nevada

The Magnetometer

Method of Operation:

When a client indicates his desire for a New World Survey, the following plan is carried through:

Geology . . .

Library research on the area is started and an accumulation is made of all available literature on the property, as well as on the surrounding area and geologic province.

The chief geologist examines this information, and with it as a basis, institutes a program of reconnaissance geologic mapping. This program includes the use of aerial photos, maps, and preliminary field work. The information obtained is used to eliminate negative areas. The remaining areas undergo detailed field examination. Rock types, structures, mineralization and other pertinent data are all plotted so that an over-all interpretation can be made.

Favorable areas, determined in this manner, are outlined for further scientific examination.

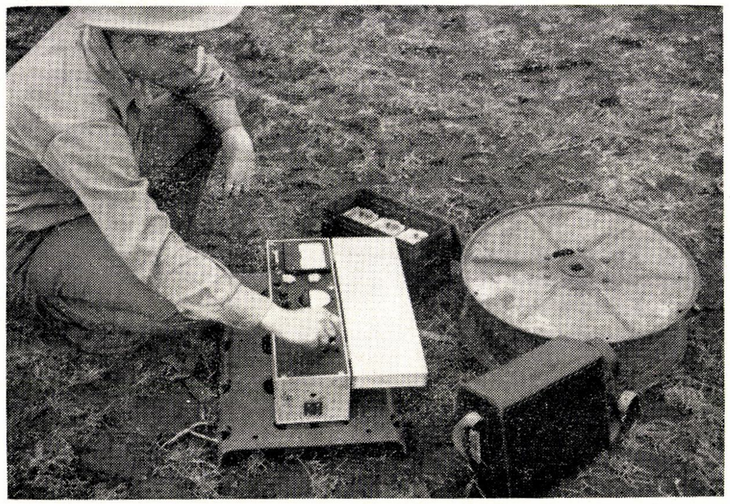
Geotechnicians . . .

The chief geophysicist and chief geochemist examine the findings of the geological staff. With this information and samples from the area they determine which of the many techniques at their command would be applicable to the location of the expected economic mineral deposits.

Geophysical Techniques . . .

Magnetic*

With the magnetometer, the geophysicist can measure minute variations in the magnetic field of the earth. Various rocks, minerals and formations have different magnetic properties, and from a surface measurement of these properties very definite information on subsurface conditions can be obtained.

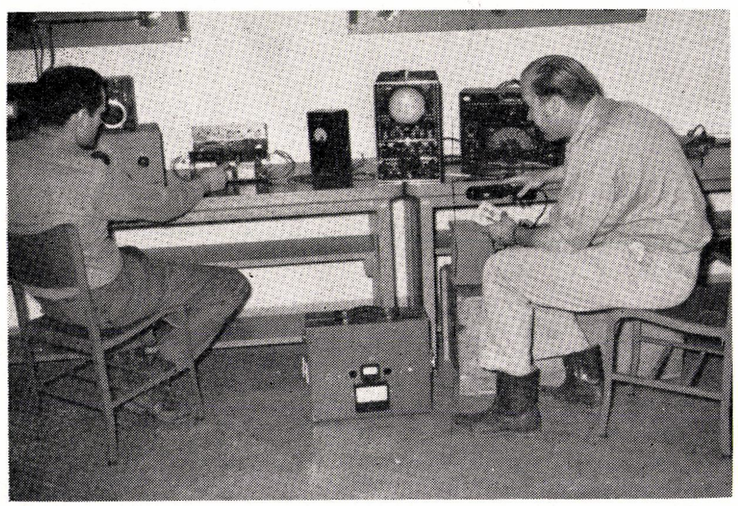


Earth Resistivity*

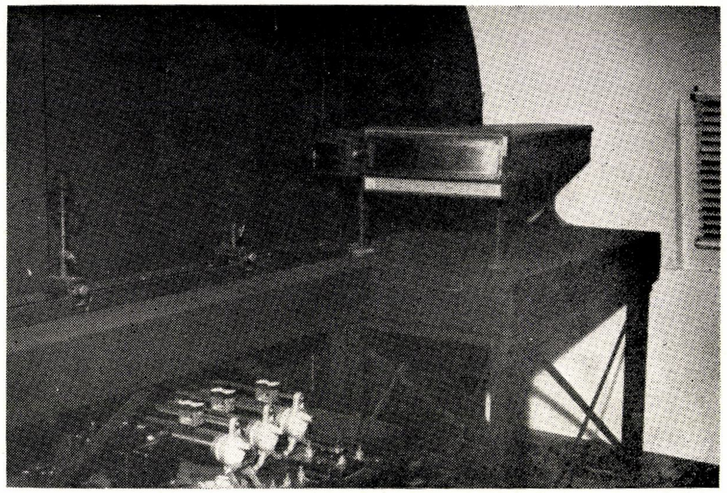
With earth resistivity measuring equipment, the resistance of the earth to the flow of an electric current may be measured. Water bearing formations, as well as certain mineral bearing formations, offer less resistance to current flow than the surrounding rock. Careful field measurements offer further information on subsurface conditions.

Other Geophysical Methods

Other geophysical methods available to our staff include spontaneous polarization* and potential-drop-ratio* measuring equipment. The latter indicates the relative resistance of adjacent sections of ground and gives additional information at depth. New World is also equipped to locate shallow deposits of conducting material by U. S. Army mine detection methods* Further services include radiometric surveys from aircraft or from the ground to locate radioactive minerals. These surveys utilize a new type scintillation counter* recently developed by New World.



Other Geophysical Equipment



The Spectrograph

It should be noted here that any one of these techniques by itself may give insufficient information for the location of economic deposits. However, this information often can be of great value when correlated with other techniques and sound geology. It is the purpose of New World to offer such combined services.

Geochemical Techniques . . .

The U. S. Geological Survey and others have been and are now working on methods for the location of mineral deposits by a study of the amounts of trace elements in water, soil, plants and rocks. New World uses newly developed and recently adapted techniques to locate mineral deposits by this method.

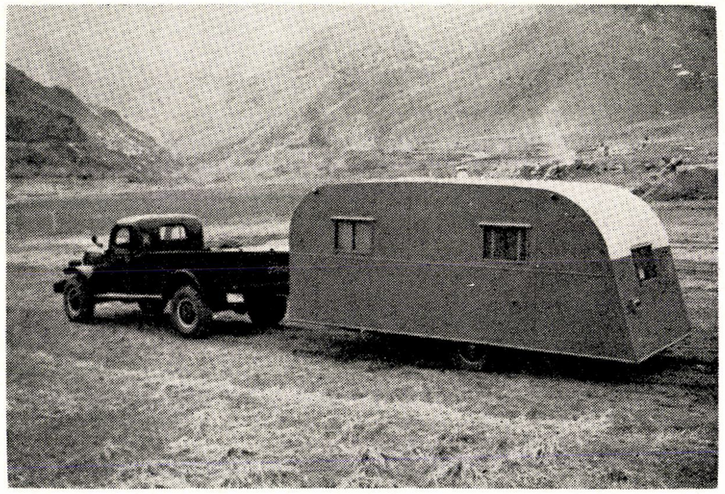
Spectrographic Analysis*

Samples of soil, plants or rocks are volatilized in a carbon arc. Each element present gives off a characteristic color even though the element exists in minute quantities. This colored light given off in the arc is analyzed by means of the spectrograph and from the data taken the amount and kind of elements present in the samples can be determined. Over certain types of mineral deposits much higher quantities of certain elements can be found than over barren areas.

Colorimetric Analysis*

The Geochemical Prospecting Section of the U. S. Geological Survey has developed some excellent tests for heavy metal content of soils, plants and rocks by the use of organic dyes. The color produced in a solution of a sample and a dye gives an indication as to the amount of the given element in the sample. These colorimetric tests are excellent indicators of a certain few metals while the spectrograph gives results on other elements. The two techniques tend to complement each other. (Our mobile trailer laboratory is stationed at or near the site of exploration activity and the results of the chemical investigations are available the same day the samples are taken.)

Obviously, local concentrations of certain elements do not always indicate economic deposits. It is only when these facts, plus facts produced by geophysical investigations, are correlated with the geology that one can locate very favorable areas.



Colorimetric Laboratory

Diamond Drilling . . .

The chief engineer, in conference with the geologist and technicians, examines the geological, geophysical and geochemical interpretations. With this information, he selects the drill hole locations or pattern which will most economically prove the property. This procedure greatly reduces unnecessary exploratory holes in barren ground and results in large savings in the over-all costs of any exploration program.

Core drilling is begun, and cutting samples as well as the cores are analyzed by the technical group for further information.

After the last hole has been drilled and the last sample analyzed all the information collected is sifted and discussed again. Interpretation by the entire staff is made, and a report is prepared giving recommendations for further development and exploitation of the property.

The entire program extends from the least expensive technique of surface geology down to the most expensive and almost certain technique of diamond drilling. The elimination of barren areas by much less expensive techniques reduces immensely the cost of a diamond drilling program.

For quick entry to otherwise inaccessible areas, and for aerial surveys of all types, New World maintains its own skilled aviation personnel.

*Additional technical information is available on request.

Teamwork and Speed within the New World group will go far toward reducing your exploration costs and increase your chances of success.

LOWER EXPLORATION COSTS

HIGHER EXPLORATION RETURNS

Through New World scientific teamwork and techniques.

GEOLOGY

GEOPHYSICS

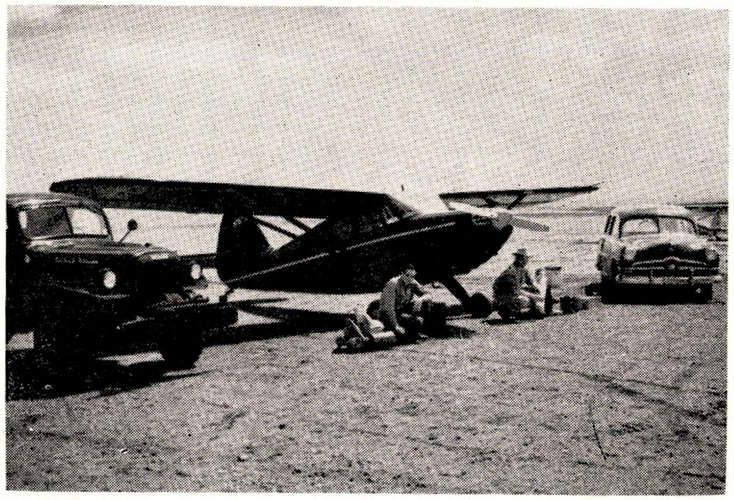
GEOCHEMISTRY

DIAMOND CORE DRILLING

Integrated Exploration by New World Exploration Services

TELEPHONE 2-8213
319 SOUTH VIRGINIA ST.
RENO, NEVADA

NEW WORLD EXPLORATION SERVICES



A New World Exploration Unit

New World offers to both domestic and foreign mineral industries an integrated program of scientific exploration combining and correlating the techniques of a group of highly trained specialists.

New World Exploration, Research and Development Corporation

TELEPHONE 2-8213
319 SOUTH VIRGINIA ST.
RENO, NEVADA

Bunkhouse, Engine-Store & Change 16 x 60.

Blacksmith & Store 16 x 30

Build. 2 bunkhouses 16 x 30

Henry Rockman 10 x 30

Office 14 x 16

Kitchen 16 x 44

3 buildings below camp

Store

Jackson

Kaufman

& Cabins

7/17/24

Nevada Bunker Oil

30 H.P. The Foos Gas Engine
No. 77-70 Speed 235.
drives 8x8 compressor -
Class NE, - Inguersol Rand

13 H.P. The Foos. Rev PM. 280
drives. fan + generator
fan - No. 5 for Cupola Furnace. +
forges - B.F. Sturtevant
Generator Westinghouse - DC G
7.5 KW. - 125 V. 60 amp 1200 RPM

Water storage tank Dia - height
3 x 12
3½ x 10

2 Distillate storage tanks 4 bbl.
Sugar
17d from Standard. 1¼ Extra Lubrics
1000 per Tom back Lane.

1 - Ingersol Lynn #18 air drill
& equipment.

Air receiver 3' x 8'

Power tools 3" - 1000
2" -
1½" -

Jul 20-1920

Gray Eagle Upper Workings

Slope strike N20W dip S W 40°

ore make with fractures pitching

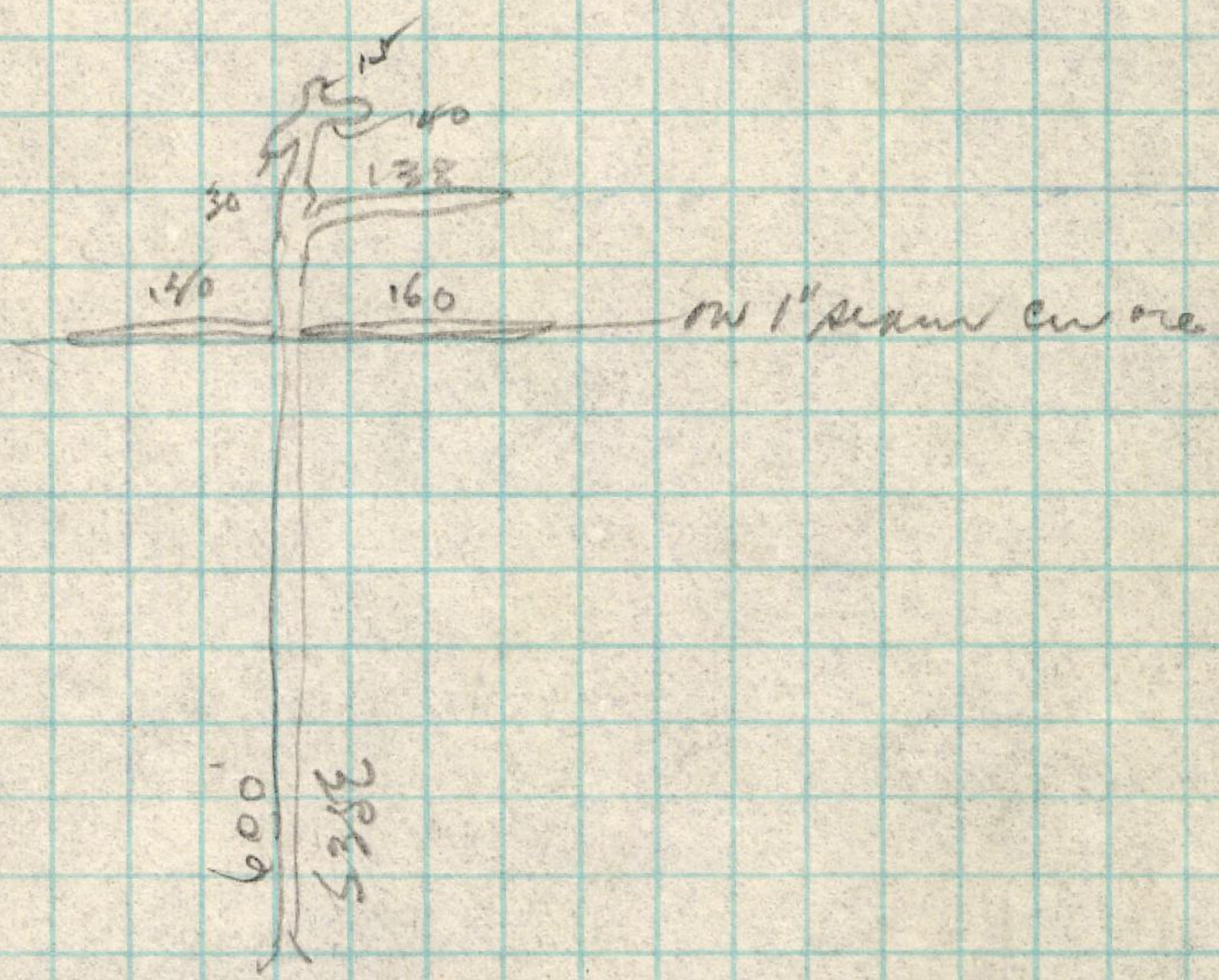
340W- mineralized

crosscut to S 30W Rake 20°

to So.

Lower - Main Tunnel.

S35E



Sulvorin

Strike S60W. 55° NW. LS #N

Pos FN - Contacts - 6" to 8'

July 7, 1953

Mr. Russ Miller
Box 1206
Reno, Nevada

Dear Mr. Miller:

Since you discussed the New World Exploration's mine out of Elko with Mr. Hunt, your Messrs. Uhalde and Decker have discussed the matter with me.

I find that we examined the property several times in the 1920's and therefore have some information concerning it.

After studying the matter of your proposed exploration, I find that the risk involved in driving the Davis tunnel appears too great considering the probable size of the orebodies that might be encountered. I therefore regret to inform you that we are not interested in your proposal, but we wish to thank you for offering us the opportunity.

Very truly yours,

Ralph Tuck

RT:jbr

(Copied from handwritten notes of R.N.H.)

6/27/53

NEW WORLD EXPLORATION, RESEARCH AND DEVELOPMENT CORPORATION

Bullion, Railroad Mining District, Elko County, Nevada

Aladdin - R. T. Miller

Elko - 28

Have shipped to Midvale:

46 cars @ ±$1500/day - oxide Pb-Zn - direct smelting ore
65 " to AS&R and International before shipping to Midvale

111 cars 7/51-7/53 mine worked during summer 6 mo. each year

#5 adit @ 7600'. 3 claims @ 7600'. Standing Elk. 3 others in Web Foot 7600'.
1 in #4 + 125'.

±400' of vertical development has produced 3,000,000 - 1870-1916 7600'.

800'

(John Uhalde, Supt.)

Can ship 24 cars to Midvale @ $1500 at present metal prices - out of Standing Elk.

Wish money to drive 800' in Davis 900' below 6 ore sills in or above Standing Elk Tunnel. 7 x 9' tunnel - 4" pipe, 2" water line, 20# rails - now into face @ 4500'. Have 40# rail for 800' drive.

Wish U.S.Co. put up $35,375 plus $15,000 to drive from 800' and DD 1200' @ $15,000 ($12.25/ft.) = $50,000.

This was R.T.'s project sold to Newmont. During war years Newmont did 400' work in Davis Tunnel - error in direction of work resulted in work going ±90° in wrong direction.

NSR after freight - Min. R. = $1000 7/31/54 & each year on or before
Hold 20-year lease. Terms: P.P. $350,000. Pay 9% royalty./ Royalty applies on P.P. 6000 man hrs./yr. work required (750 shifts)

Deal - Above work - 400' drift plus 1200' DD or $50,000 in work buys 50% in lease and option, and assets - comp., 650 cu. ft. compressor, cars, rail, pipe, etc.

high = whole operation charged to DD

President - Russell E. Miller

Vice Pres., Sec. & Treasurer - F. T. Quiett

Directors: Quiett) Own 55% stock outstanding. 55% of 24,500 of 54,000 @ 1.00
Decker)
Miller)
Uhalde)

Wash. Corp.

McCoy iron mine, Butte, Mont. - mined and shipped 30,000 tons to Japs and made a good profit. Japs no longer buying.

Have also an open-cut Mn property in Lander County, Nevada. 61,000 tons - 11% can be milled up 36.5% Mn 25% SiO_2

NE Blackbird #2

Developed by surface exam and one diamond drill hole.

65 mile haul @ 3.50/ton from mine to Butte, Mont.

$1.00/unit @ Geneva. Worth $1.00/unit f.o.b. cars Butte, Mont., if sold to Geneva Steel. Worth more/ton conc. @ Gen. Stockpile if above 33% Mn.

240 tons 11% ore makes 30 tons 36% conc.
25% SiO_2

44 tons 25% conc.
25% SiO_2

Geneva will pay $25/ton f.o.b. cars at Butte, Mont.

This company formed by graduates M.I.T. and Golden - pleasant, intelligent - but inexperienced young men.

R.T. to tel: Russ Miller, Reno 2-8213 (Box 1206) to make appointment to meet geologist at mine, if interested.

Eagle Service Sta. 143 Elko

MEMORANDUM - JUNE 22, 1953

Re: New World Exploration, Development & Research Corp.'s Activities in Railroad Dist., Elko County, Nevada

I visited the Aladdin mine in the Railroad District, Elko County, on June 13, 1953. At that time Mr. John Uhalde, who has been in charge of operations there, was in Reno. I talked with the two men he had working there, Messrs. Gaston Uhalde and John Borne. They told me that the mine had not been operated since it was closed last fall, but that it would be opened up this month. I gathered that the plans include production from the upper levels of the Standing Elk vein and also the extending of the Davis tunnel an additional 800 feet. This tunnel should cut the Standing Elk and the other orebodies about 800 feet below the five level of the Standing Elk. Some diamond drilling was done since my visit there last fall, and the results apparently were favorable enough to go ahead with the tunnel program.

to deep shaft in right

These men also said the last car shipped last fall ran 21% combined Pb-Zn. If so, it must have gone to A.S.&R. at Selby for their last car to us went 12+% Pb and 5.7% Zn.

I spoke to Mr. Blaine Watts about this operation, and he said he planned to get in touch with them.

- - - - - - - -

T. Q. Morris

T. Q. Morris

TQM:jbr

MEMORANDUM - SEPTEMBER 17, 1952

Re: New World Exploration Research & Development Corp.

TO: MR. RALPH TUCK

FROM: T. Q. MORRIS

This company was incorporated in Nevada over a year ago with its main office in Reno, Nevada. The principal stockholders are:

Russ Miller, graduate of M.I.T. with degrees in Chemical Engineering and Geophysics, President.

Bob Decker, graduate of M.I.T. with degree in Geology.

John Uhalde, graduate of U. of Nevada with degree in Mining Engineering.

Terry Quiet, graduate of C.S.M. with degree in Mining Engineering.

A Mr. Hoyt, a graduate of C.S.M. with a degree in Mining Engineering and some recent experience in diamond drilling, is being taken into the company, according to Uhalde.

The company is operating the Alladin mine at Bullion, Railroad Mining District, Elko County, Nevada. The property, consisting of 16 patented and 16 unpatented claims, is held by the present company under lease and option to purchase. I visited this property on September 3 and spent the day there.

A grab sample of several mine cars of ore assayed Au - Tr., Ag - 7.6 oz./ton, Cu - 0.65%, Pb - 2.7%, Zn - 5.0%. However, six lots totaling about 287 tons shipped to Midvale averaged Au - .0075 oz./ton, Ag - 14.49 oz./ton, Cu - 1.49%, Pb - 7.65%, Zn - 3.97%. The ore is oxidized with very minor galena. The width on the Standing Elk varies from about 2' to 4'. No ore appeared to be blocked out, but the raise was being driven to follow the ore.

Four ore zones or beds (?) on the property strike NW-SE and dip steeply (+70°) to the NE. These ore zones, from NE to SW, are: Tripoli, Hussey, Standing Elk and Webfoot. Work at present is being confined to the Hussey between the 2 level and the surface, where a set of two lessees is producing; and the Standing Elk between the 5 and 4 levels, a vertical distance of 140', where a set of two lessees is producing.

The company furnishes all equipment and supplies and works on some sort of split check arrangement.

Mr. Uhalde expects the snow to cause them to cease operations late in the year. Their plans are to then drive the Davis tunnel an additional 600 to 800 feet. This tunnel was started at sometime in the past, and the work has been conducted by three separate ventures. All were concentrating on undercutting

the four known structures about ±600' below the 5 level of the Standing Elk. The tunnel portal is located on the northwest slope of Bunker Hill just above the old town of Bullion. The three efforts to reach the down dip extension of the orebody resulted in a tunnel 5200' long, which, according to the survey conducted by New World, is about 400-500 feet short of cutting the extension of the most northeasterly ore zone--the Tripoli.

If the tunnel is completed and conditions found are such that operations can be conducted through it, the company will experience considerable saving in transportation and in improved camp conditions. At present the working adits in use are about 3 miles from camp over a very steep mountain road. Maintenance of the road in itself is a considerable cost item, and the nature of the road is undoubtedly reflected in the contract price of hauling the ore.

The ore, about 200-300 tons per week, is being shipped to A.S.&R. at Selby at a flat treatment charge of $5/ton. However, the differential in freight rate is $1.60 in our favor, according to what Blaine Watts tells me. Blaine has contacted Mr. Russ Miller in an effort to get some of this ore. New World has agreed to send us every other car for a period of several weeks, so we can determine just what advantages there can be to New World and to us by our treating the ore.

Mr. Uhalde states that there is some 20,000 tons of oxide zinc ore (18-20% Zn) in the Standing Elk ore zone. This tonnage, he says, was blocked out during the mining of the lead-silver ores.

- - - - - - - - - - - -

T. Q. Morris

T. Q. Morris

TQM:jbr

Leipoli. located - 1869 - (See - Van Barneveld
Examined. Van Barnevel.
H. L. Huston - 1916 for Ralph Arnold

Geo. Nelson 1907 for A & E.
Howard.
Smith

Adjoining Properties

North side Copper Bell - $300.000 cu ore
in porphyry - silicious ore - Develop 2000' x c hit striking.
North of Copper Bell - in the Bald Mountain
Chief - silicious cap $100 000.00

South Mayflower Group. 3 claims -
Porphyry & limit contact - $50.000 Copper ore.

Grey Eagle - Hallen M. & Gladstone - Enos.

At Marion - 15 miles south - Claim known
as Bell Lindsay - low grade lead selen - sulphide
milling proposition.

Ownership & Title.

Nevada Dunkin Mis Mg Co. is a Nevada Corporation, Capitalized 2 Million shares @ 10c per share of which 750000 shares owned in Treasury.

150,000 shares deeded for Trefoil & Trefoil East originally owned by Henderson Bank & Elko. Nevada

30,000 shares - for Storm King & Key Claims.

10,000 shares for the Burk claim
16,000 " " Eagle & Nevada claim
40000 " " Sky Blue & Mounded Lizzy
75,000 " " Web Foot

271,000

Shares.		
100,000	J. A. McBride	Elko Pres. Dir ✓
35,000	Judge Geo. S. Brown	Reno Nev. Director ✓
40,000	John Yowell	Merchant Elko
50000	R. H. Mallett	(dead) Elko. Director (Sister wife's Name)
100,000	L. H. Johnson	Minneapolis.
35,000	John Zelch	Saint Paul
30000	Charles E. Van Barneveld	St Louis Mo.
10000	F B Wright	Minneapolis
17000	A. A Mallett	Stockton Calif
13000	Dr Stewart	San Fran
400000	Fred Davis	Dir
70000	Stanley "	Dir
	H. W. Booher.	Elko Director
	Otto S. Williams	Elko Dir
	Robert Henderson	Elko, Dir - Sec
	Out standing total	1,220,156 shares