

# YMIR YANKEE GIRL GOLD MINES LIMITED

(Non-Personal Liability)

002933

## DIRECTORS' INTERIM REPORT

To the Shareholders of

YMIR YANKEE GIRL GOLD MINES LIMITED (N.P.L.):

Your Directors herewith submit an interim report setting forth progress and results of operations since the Company took over the Yankee Girl mining property on July 12, 1934.

Your Company was formed, in the spring of 1934, to acquire the Yankee Girl Mine, to equip it with a suitable mill, to provide for future mine development, and to provide an operating fund. The financing was arranged through a private sale of 1,000,000 shares that netted \$250,000 to the Treasury, the last block of shares having been taken and paid for in June, 1935. Of this amount, around \$180,000 has been spent for completing purchase of the property and new construction and equipment, including the mill and additions to mine plant. The remainder is used as an operating and development fund, including advances in connection with power contract and similar items.

Previous to the acquisition of the Yankee Girl Mine by your Company, it had a long record as a shipper of crude ore to smelters amounting to 97,000 tons, valued at \$1,370,000, so that it was the best well-developed mine with considerable reserves of shipping and mill grade ore, though it had never had a mill. As soon as your Company took over the property, an active programme of construction and development began.

**CONSTRUCTION**—Mr. W. L. Zeigler was retained as consulting metallurgist to design the mill and work out the flow-sheet, which was based on the results of several metallurgical tests made over a period of years by the leading firms on the continent and supplemented and checked by Mr. Zeigler's own tests.

Construction began in July, 1934, and the mill commenced operation on January 18, 1935. An office building and assay office were built at the millsite.

The aerial tramway from mine to mill was reconditioned, with new cables, towers and terminal bins.

The mine plant was increased by erection of an electric-driven compressor at the 1235 level, new haulage track on the 1235 level, storage battery locomotive and larger ore cars. Mine shops and buildings were increased and reconditioned, and many new tools purchased.

A contract for electric power from the transmission lines of the West Kootenay Power Company was entered into that brings electric power to both mine and mill, and the necessary transmission lines were erected.

**PRODUCTION**—Crude ore was shipped to smelter during the first months of mill construction; but after the end of 1934, the production was from the mill only.

	Tons	Assay
Ore shipped to smelter .....	2,891	0.65 oz. gold
Ore milled (to May 31st, 1935) .....	11,509	0.41 oz. gold 2.3 ozs. silver

**MILLING**—The mill has 100 tons nominal daily capacity and is capable of treating 125 tons daily. It is situated at Ymir, close to the Great Northern Railway station and also to the Nelson-Spokane highway.

It consists of a coarse crushing plant, in its own building, designed to crush the daily tonnage in one shift by means of a primary jaw crusher and secondary Symons cone crusher. Fine-crushed ore is conveyed on a travelling belt to fine-ore bins at head of main mill building.

The main mill building has a Hardinge ball mill in closed circuit with a Dorr classifier, the ground product going to two banks of Minerals Separation type flotation cells for concentration of the ore minerals from the gangue rock. Flotation concentrate, after thickening, is dewatered in Devereaux type agitators, with recovery of precious metals in the form of precipitate by a Merrill precipitation unit. The precipitate is sold to the smelter. Automatic samplers, reagent feeders and access apparatus are installed at suitable points in the mill. The mill and v-sheet are so designed that bulk or selective flotation, with or without cyanidation of concentrate, may be practiced.

Yankee Girl ore is complex, consisting of an intimate mixture of lead, zinc and iron sulphides carrying gold and silver.

During the first months of milling, lead concentrate was recovered and shipped to smelter and zinc-iron concentrate was cyanided. Later, it appeared that cyanidation of entire concentrate would give better results, and this is the present method of treatment. Recoveries of gold, during the early months of milling, did not come up to full expectations; flotation tailing losses averaged too high, and cyanide tailing losses also somewhat high. More recent results show a gradual betterment in both these operations, and it is confidently believed these difficulties will soon be overcome. Considering the fact that the ore is complex, it is not unusual that several months' experimental operating and adjusting of metallurgical methods is required.

From a mechanical standpoint, the mill has proved very successful. Milling costs also are satisfactory, averaging around \$1.70 per ton on a daily basis.

**MINING**—Both ore-breaking and development have been carried on continuously.

In the stopes, shrinkage methods are used and a broken reserve of two to three months' supply for the mill is maintained. Stoping has been mainly in areas between the 400 and 935 levels.

Mine development to the end of June follows (see accompanying plan for locations):

Drifts and crosscuts .....	1,954 feet
Raises .....	483 "
Winze .....	103 "
Total .....	2,540 "

About two-thirds of the footage was on the 250 to 800 levels, inclusive, and the remainder on the 1035 and 1235 levels, the winze work being below the 1235.

It has been the aim to concentrate most of the development in upper portions of the mine before undertaking a major programme below the 1235 level.

Mining costs have averaged, for recent months, around \$3.60 per ton, which includes all development and prospecting costs.

A diamond drill has been purchased and will be used to prospect undeveloped sections throughout the mine.

**ORE RESERVES**—A recalculation of ore reserves as of July 1, 1935, results as follows:

	Tons
Broken Ore in Stopes .....	9,300
Reasonably Assured Ore (Yankee Girl Vein) .....	127,500
Reasonably Assured Ore (Spur Vein) .....	58,800
Total Reasonably Assured Ore .....	195,600
Probable Ore (Yankee Girl Vein) .....	48,200
Probable Ore (Spur Vein) .....	1,600
Yukon Stopes .....	7,000
Total Probable Ore .....	56,800
Total Reasonably Assured and Probable .....	252,400

The blocks of ore in detail and the possible ore areas are shown on the accompanying maps.

The grade of the reasonably assured ore is estimated at approximately 0.41 oz. gold, 2.3 ozs. silver, 2.5% lead, 4.0% zinc per ton. The probable ore blocks are not sufficiently opened up to allow close estimates of values, but it is believed these will not vary appreciably from those of the adjoining developed areas.

The term "Reasonably Assured" indicates such ore as can be

reasonably expected to exist in the developed areas, as calculated, from accurate sampling of drifts, winze, raises and adjoining stope walls. Due to the somewhat erratic occurrence of ore deposition within the ore shoots, some variation in tonnage and grade, from the estimate, may be expected.

The term "Probable Ore" is used for such areas as have been but partially developed, but which indicate the probabilities of existing ore.

No estimates can be given as to tonnages of Possible Ore. The areas indicated on the maps have possibilities of appreciable additional reserves, particularly at depth below the McDowell ore shoot and to the surface above the 400 level.

The slightly lower grade of the present estimates, as compared with the estimates of January 1, 1935, is due to the near exhaustion of the large 785 Stope (which in previous calculations was taken as averaging 0.65 oz. gold per ton) and the recent more intensive development of certain areas which show a slight decrease in values from the original estimate. Also the present method of stoping, by shrinkage, is conducive to somewhat higher mining dilution of the ore than experienced in the open stoping and more or less selective method employed when extracting ore for direct shipment to the smelter.

**GENERAL**—Some additions to property holdings were made. At the millsite, a plot of several acres was purchased to provide tailing storage, and some additional surface rights were acquired on the hillside above the mill. An option on the Skookum Group of two mineral claims adjoining the Company's property on the northwest was taken over from the Wesko Exploration Company in consideration of 15,000 of Treasury shares issued to Wesko. The option price is \$3,000, spread over a period of years; one payment of this price has been made. These claims give additional protection on the vein dip.

Your Company has ample working capital to carry on its operations.

The Directors take this opportunity to express their appreciation to the Manager, Mr. H. W. Seamon, the staff and the employees for the loyal and efficient work they have done.

By order of the Board,

E. P. CRAWFORD,  
President.

W. A. SUTTON,  
Secretary.

July 31st, 1935.

YAKR YANKEE GIRL GOLD MINES LIMITED

MANAGER'S REPORT

JULY, 1936

Yair, B. C., August 24, 1936

Mr. W. A. Sutton, Secretary,  
Yair Yankee Girl Gold Mines Ltd.,  
525 Seymour Street,  
Vancouver, B. C.

Dear Sir,

The following report covers operations at the Yankee Girl Mine during the month of July, 1936.

MINE PRODUCTION:

Production of ore from stoping and development work is shown below:

PLACE	Broken July 1 Tons	July, 1936			Broken July 31st Tons
		Broken Tons	Drew Tons	Grade Oz. Au.	
<b>STOPPING:</b>					
400 L 401	77	-	-	-	77
402	224	-	-	-	224
403	-	269	56	0.25	233
540 L 501	455	-	263	0.25	172
543	103	-	-	-	103
544	247	51	164	0.36	112
545	259	295	307	0.49	247
800 L 786	1794	-	1048	0.21	746
801	154	206*	410	0.31	-
935 L 788	118	135	125	0.16	128
791	225	726	240	0.16	711
793	49	-	25	0.15	24
901	474	-	-	-	474
902	224	767	512	0.25	579
1035 L 1001	-	606	224	0.26	232
1006	88	-	-	-	88
1235 L 776	152	-	-	-	152
1207	1055	-	-	-	1055
1208	285	476	94	0.25	667
Total	6163	3561	3580	0.26	6174
		(*excess broken)			
<b>DEVELOPMENT:</b>					
250 L 232 Raise	-	82	6	1.00	76
540 L 546 Raise	106	-	-	-	106
935 L 902 Drift	-	48	48	0.38	-
793 Raise	-	110	88	0.23	22
1035 L 1001 Raise	-	36	36	0.54	-
1235 L 1207 #3 Rse.	294	-	-	-	294
Wings	-	16	16	0.15	-
Total	400	292	194	0.36	498
<b>MINE TOTAL</b>	<b>6563</b>	<b>3853</b>	<b>3774</b>	<b>0.27</b>	<b>6672</b>

The reserve of broken ore, estimated as of July 31st, is as follows:

Ore pass reserve, July 1st		1848	Tons
To ore passes during month		3259	"
Drawn from ore passes		3504	"
Ore pass reserve, July 31st		1603	"
Other reserves		6672	"
Total mine reserve, July 31st		8275	"
Ore bins, July 31st:			
Mine	70		
Crusher	60		
Mill	<u>140</u>	270	"

#### STOPING:

During the month Spur Vein operations were continued in the 544 and 545 stopes, above the 540 level; and in the 902 above the 935 level. The latter stope is being extended to the east to mine the ore recently developed in the 902 east drift.

On the Yankee Girl Vein, stoping was continued in the 791, 1001, and 1208 with no changes of importance in mining conditions.

#### DEVELOPMENT:

Development advance for the month is shown in the table on the following page.

Prospecting work on the Yankee Girl Vein, between the 250 and 400 levels, exposed several bodies of relatively high grade ore, though of limited extent. This work is being continued with the intention of prospecting the area, above the 400 level, between the 528 raise and the Hobson stope.

On the 935 level the extension of the 902 orebody, both east and west, has been proven by additional drifting. A branch vein extending from the 902, on the Spur Vein, to the 794 stope, on the Yankee Girl Vein, is being prospected. The west part of this vein is now being prepared for stoping through the 795 raise.

PLACE	Measuring Point	Measurements		Advance Feet
		1st	31st	
250 L 252 Raise	Track	8'	23'	15'
320 SL 320 W. Drift	φ 828 Res.	24	44	20
620 SL 620 W. Drift	φ 805 Res.	94	102	8
800 L 803 Raise	Track	131	176	45
935 L 795 Drift	φ Y.G. Dft.	95	105	10
795 Raise	Track	8	33	25
902 Drift (E. of)	φ 903 X-cut	4	44	40
902 Drift (W. of)	φ 903 X-cut	4	18	14
902 #6 Box Hole	Track	8	21	13
903 X-cut	φ Y.G. Dft.	45	63	18
1035 L 1001 Raise	Track	18	25	5
1235 L 1208 #10 Ch. Raise	Track	55	76	21
Winse	1235 L Track	134	188	<u>54</u>
Total development				288'
DIAMOND DRILLING:				
1035 L D.D.H. No. 52	Collar	47	95	48'
540 L " " " 53	"	0	127	<u>127</u>
Total diamond drilling				175'

The advance in the winse for July amounted to 54 feet. The winse is being carried in the footwall, not on the vein, to speed up the work by avoiding the extra timbering required to support the broken hanging-wall exposed at the start of operations. It is expected that the elevation of the proposed 1500 level will be reached early in September.

#### MILLING:

During July the mill treated 4108.5 tons of ore, having an average assay value of 0.28 ounces gold, and 1.1 ounces silver per ton. Flotation tailing averaged 0.25 ounces gold, and 0.2 ounces silver per ton. The total running time amounted to 30.77 days, with an average of 134 tons milled per day.

The gross value of Smelter sales was \$38,350.90. The total value of the mine production, before milling, was \$43,032.19. Operating profit amounted to \$7,297.43.

Further details of operations and costs are shown in the accompanying accountant's report.

Yours respectfully,



Manager

# YANKEE DUNDEE MINES LIMITED

(Non-Personal Liability)

## DIRECTOR'S REPORT FOR 1954.

To the Shareholders:

Your directors herewith submit the Annual Report on the operations of your company covering the year ended October 31, 1954, together with the company's Balance Sheet as at that date and the Auditor's report thereon.

Since your last annual meeting the Wildhorse Cross-cut tunnel has been completed to the Yankee Girl structures. This vein was intersected at 4650 feet from the portal and now ranks as one of the major mining cross-cut projects in British Columbia.

Where intersected, the Yankee Girl vein is 7 ft. wide, showing very strong structural strength. This vein has now been drifted on for 70 ft. in an easterly direction from the cross-cut. These new workings are approximately 400 ft. below the lowest workings of the old mine. The ventilation raise, which will later be used as an ore pass, was advanced 25 ft. from track level. This raise will be driven on the vein and in so doing will explore the vein to the old workings.

Drifting was started in an east-west direction from the cross-cut tunnel on the Bonus Vein. This work has proven very interesting and commercial ore has been encountered. Following are some of the assays that have been obtained since this drifting commenced:

From the Bonus Vein, east drift—0.72 oz. Gold, 1.35 oz. Silver, Trace Lead, 3.20% Zinc. From the Bonus Vein, west drift—0.92 oz. Gold, 1.55 oz. Silver, 4% Lead, 5.3% Zinc and 0.56 oz. Gold, 1.60 oz. Silver, .65% Lead, 1% Zinc. In the Raise—3.6 oz. Gold, 1.4% oz. Silver. From the drift on the Yankee Girl Vein—0.48 oz. Gold, 2.4 oz. Silver, 1% Lead, 5.1% Zinc.

Extremely interesting figures were received from official sources this last year. These figures are past production figures up to and including 1951 in the Yankee Girl and Dundee Mines, which now constitutes the property operated by your company. 411,475 tons were treated with gross metal content as follows:

Gold	- - -	124,745 oz.	Lead	- - -	14,107,197 lbs.
Silver	- - -	723,336 oz.	Zinc	- - -	14,740,083 lbs.

It is not very difficult to see that at present-day prices production would have grossed over \$8 million.

Negotiations have been completed whereby your company has arranged an underwriting contract in New York for 750,000 shares of its stock at the price of 40c per share, to gross \$300,000 pursuant to Regulation D of the Securities Exchange Commission. All documents are now at Washington, D.C. and it is hoped this should be completed and fully qualified at the latest by the end of January.

The programme set forth in view of this underwriting contract is as follows:

1. Raise on the Yankee Girl Vein to tap the old workings 400 feet above.
2. Drift on the Yankee Girl Vein to the east, approximately 700 feet.
3. On completion of the raise drift on the Bonus Vein for approximately 700 feet.
4. As drifting is carried out on the Bonus Vein drive on the Wildhorse cross-cut tunnel to intersect the Spur and Dundee Veins.
5. When the preceding work has progressed satisfactorily complete raises and sub-levels.

It is the intention of the company to hasten this development programme so they can take advantage of negotiations for the acquisition of a mill that has been offered to your Company.

We consider ourselves extremely fortunate that Mr. L. L. McLean of Spokane, Wash., well-known mining man who has had many successes in the past in the Mining Industry, showed interest in this company and joined the Board as President.

We would also like to mention that your management was pleased to announce late last year that Mr. W. S. Mole of Salt Lake City, Utah, who is a Director of the well-known mining company, Rico Argentine, also took considerable interest in this company personally and joined the Board.

With these two experienced mining men working together with the other members of the Board, we look forward to a progressive year for your company.

Respectfully submitted on behalf of the Board,

RALPH SOSTAD,  
Vice-President.



(Continued from opposite page)

If any of the properties held by the company were previously owned by an older company or syndicate please give its name and state whether its shareholders had any equity in the property at the time of acquisition by this company; if there was an exchange of shares, please outline.

YMIR YANKEE GIRL MINING CO. LTD.

YMIR DUNDEE MINING CO. LTD.

No former shareholders have any equity in present company

Properties: Please give acreage, number of claims, number of groups, township, mining area in which located, province, distance from railway, distance from power, etc.

3 groups — YANKEE GIRL — DUNDEE & Lakeview — 29 claims

approximately 1100 acres — NELSON MINING DIVISION OF B.C.

KOOTENAY DISTRICT — 2 mi. from R.R. & Power lines of West Kootenay Power & Light Co. (Right of way already in) No roads to construct.

What metals are sought or mined? Gold - Silver - Lead - Zinc

Is property owned or held under option? Part owned & part under option

Is your company carrying on active property development operations at present? Commencing February 1953

If "yes", what type of work is in progress?

If "no", when are activities likely to start, or be resumed? Feb. 15<sup>th</sup> 1953

Development: Please give brief summary of current activities and work to date, mentioning number of shafts and depth, depths at which levels are established, amount of lateral work, diamond drilling, etc.

Immediate objective is to finish & cut started in 1928 by Stobie Fur long. This tunnel advanced 3250' — 8'x10' — approx 1500' left to drive to intersect structures 800' below old main haulage level — or 400' below a winze sunk on ore from main haulage level — some stoping done below main haulage level.

Interest in other properties and companies, if any.

Financial position: (Please also send copy of prospectus or annual report, if available)

Cash, \$

Other current assets, \$

Current Liabilities, \$

Name of person supplying above information (Please sign).

*Ralph ...*

Office or connection with company. Vice President Telephone No. TA 6535

(For additional space please use reverse side of form)

COMPANIES ACT "

No. 29369.

NOTICE is hereby given that "Yankee Dundee Mines Limited (Non-Personal Liability)" was incorporated under the "Companies Act" as a Specially Limited Company on the 26th day of November, 1952.

The authorized capital of the Company is one million five hundred thousand dollars, divided into three million shares of fifty cents each.

The address of its registered office is 1004 Credit Foncier Building, 850 West Hastings Street, Vancouver, B.C.

The objects of the Company are restricted to the following, namely:—

(a) To acquire by purchase, lease, hire, discovery, location, or otherwise, and to hold, mines, mineral claims, mining lands, prospects, licences, and mining rights of every description, and to work, develop, operate, turn to account, sell, or otherwise dispose thereof:

(b) To dig, drill, or bore for, raise, crush, wash, smelt, reduce, refine, amalgamate, assay, analyse, and otherwise treat gold, silver, copper, lead, iron, coal, petroleum, natural gas, and any other ore, deposit, metal, or mineral whatsoever, whether belonging to the Company or not, and to render the same merchantable, and to buy, sell, and deal in the same or any product thereof:

(c) To engage in any branch of mining, smelting, milling, and refining minerals:

(d) To acquire by purchase, lease, hire, exchange, or otherwise, timber lands, leases, or claims, rights to cut timber, surface rights and rights-of-way, water rights and privileges, patents, patent rights and concessions, and other real or personal property:

(e) To acquire by purchase, lease, hire, exchange, or otherwise, and to construct, operate, maintain, or alter, trails, roads, ways, tramways, reservoirs, dams, flumes, race and other ways, watercourses, canals, aqueducts, pipe-lines, wells, tanks, bridges, wharves, piers, mills, pumping plants, factories, foundries, furnaces, coke-ovens, crushing-works, smelting-works, concentrating-works, refining-works, hydraulic, electrical, and other works and appliances, power devices and plants of every kind, laboratories, warehouses, boarding-houses, dwellings, buildings, machinery, plant, and other works and conveniences, and to buy, sell, manufacture, and deal in all kinds of goods, stores, provisions, implements, chattels, and effects:

(f) To build, purchase, lease, hire, charter, navigate, use, and operate cars, wagons, and other vehicles, boats, ships, and other vessels:

(g) To sell or otherwise dispose of ore, metal, oil, gas, or mineral product, and to take contracts for mining-work of all kinds, and to accept as the consideration shares, stock, debentures, or other securities of any limited company, whosoever incorporated and carrying on any business, directly or indirectly, conducive to the objects of a specially limited company, if such shares (except the shares of a company having non-personal liability), stock, debentures, or other securities are fully paid up and to sell or otherwise dispose thereof.

S. W. TAYLOR,  
Registrar of Companies

1977-de4

## YANKEE-DUNDEE CONSOLIDATION

A group of B.C. mine developers is preparing to initiate an underground program on properties including several well-known prospects and former producers in the Ymir area, near Salmo, B.C. Consolidation of the properties formerly comprising the Ymir, Yankee Girl and the Dundee mines, together with adjoining claims, has now been effected. The individual properties were worked intermittently during the past 50 years as gold mining operations.

Yankee-Dundee Mines Ltd. now controlling the groups of claims, plans exploration and development at lower horizons than previously tested. Directors, including Ralph Sostad, A. B. Goodridge, Len Belliveau and L. F. Jamieson of Vancouver, and H. J. Lloyd of Williams Lake, have placed \$20,000 in the treasury. Further monies will be raised as required.

The history of the properties included in the Yankee-Dundee consolidation shows that 350,000 tons have been mined, chiefly from the Yankee Girl vein systems, with an average recovered grade of \$10 in gold (\$35 per oz.). Little or no effort was made to recover the base metals contained in this ore, probably due to the low metal prices then prevailing. A recent re-sampling of the ore remnants in old stopes gave a weighted average from 174 channel samples indicating a combined grade of 6% lead-zinc, plus 2.0 ozs. silver per ton.

A winze sunk on one of the main showings from the 1,235, or main haulage, level of the Yankee Girl-Dundee vein system indicated that ore persists to the 1,600 level. Most of the mining done by previous operators was above the 1,235-level horizon. Previous operators drove a cross-cut for 3,250 ft. projected to intersect the vein system. The new company plans to complete this drive, 1,500 ft. remaining to intersect the projection of the vein system at a point 800 ft. below the 1,235 level and 400 ft. below the bottom of the winze. Work has now started on this program. The Yankee-Dundee property is well situated for an economical development program.

## YANKEE DUNDEE GETS FUNDS FOR NEW WORK

The initial issue of shares of Yankee Dundee Mines Ltd., Ymir, B.C., has been oversubscribed and more than \$50,000 is now in the treasury. This money will be utilized to commence February 1 on the extension of the 8-ft. by 10-ft. adit driven for a length of 3,250 ft. in 1928 and 1929 to explore the Ymir, Yankee Girl, Dundee, and Lakeview veins at a depth of 800 ft. below the former main haulage level of the Yankee Girl mine. The adit is at elevation 2,875 ft. and is situated 150 ft. above Wild Horse Creek. Extension of 1,600 ft. will reach the downward projection of the Yankee Girl vein system and anticipated drifting on the main vein will bring the face close to the Dundee and Lakeview veins.

The initial issue is to be followed by a second offering of 200,000 shares per share and the total amount of shares offered is estimated at 30,000.

Origin of the Yankee Girl section NO is proposed through exploration that indicated persistence of the Dundee and Lakeview orebodies by crosscutting and drifting. Ore reserves estimated at 30,000 tons, in

The Dundee mine will be extracted and transported through the new low-level tunnel. It is hoped enough ore will be developed in the Yankee Girl section to commence milling, possibly in 1953.

## Brief Comments

E. J., Detroit, Mich. — The property now under underground exploration by Yankee Dundee Mines Ltd. is a consolidation of the properties of Ymir Yankee Girl Mining Co. Ltd. and Ymir Dundee Mining Co. Ltd. Shareholders of the last named companies, however, have lost all equity in the mines and they have no interest whatever in Yankee Dundee.

Ymir Yankee Girl was succeeded by Alana Mines Ltd. on a share basis of four old for one new. Alana is reported to be without property but with a little cash in the treasury. Address is Room 1502, 372 Bay St., Toronto.

## YANKEE DUNDEE

Yankee Dundee Mines Ltd., a British Columbia company now well advanced with a development program at its precious and base metal mine at Salmo, has acquired an 18-claim uranium prospect in the Charlebois Lake district of Northern Saskatchewan.

As of July 8, the low-level adit to the Yankee Dundee mine at Ymir, had been advanced 484 ft. The first objective is approximately 1,000 ft. ahead.

## NEW ARLINGTON TO START MILL

New Arlington Mines, Ltd., has plans to open its new 100-ton mill near Salmo, B.C., Aug. 15. With a large stockpile of broken ore adjacent to the mill, the early stages of operation will require a crew of only 15-20 men, of whom nine will be employed in the mill and the balance on underground development.

The Arlington mine, situated seven miles southwest of Salmo, has a record of 50 years of gold production. In 1943 it was purchased by the Golac brothers and Albert Shrieves of Nelson, who operated it on a small scale until the formation of New Arlington Mines in 1951. During the years of operation the mine produced 47,800 ozs. gold and 113,000 ozs. silver from 24,500 tons grading 1.936 ozs. gold and 4.62 ozs. silver per ton. Recovery was also made of lead and zinc.

AUG 13 1953

Due to the sorting methods employed in previous operations, 125,000 tons of lower grade ore was stockpiled for future treatment. The stockpile is valued at \$875,000 as a result of numerous assays taken by various interested parties including Premier Gold Mining Co., Ltd., during the period of the operation of Relief-Arlington Mines, Ltd. It is this ore that will provide initial mill feed for the current operation.

In the opinion of Walter Maybank, consulting engineer, the four-year supply of ore will give ample time for development of additional tonnage. Exploratory work has disclosed new ore 80 ft. long over an average width of 3.5 ft. and grade of 1.0 oz. gold and 6.0 ozs. silver per ton with 1.4% lead and 2.3% zinc.

New Arlington will be the sixth of the currently operating gold mines in British

Columbia and the only producer in the Kootenay district. The only other activity in the area in gold mining is the deep development nearby of Yankee Dundee Mines, Ltd.

Directors of New Arlington are: J. A. Russell and T. M. Haggerty of Edmonton and Robert Golac, Kuzma Golac, and Albert Shrieves of Nelson. Mr. Russell is president; R. Golac, vice-president, and Mr. Shrieves secretary-treasurer.

Yankee Dundee Mines — Temporary registration to issue 780,000 shares as vendors' consideration to Albert Bruce Goodridge and Ralph Andrew Sostad (to be escrowed), and to sell 200,000 shares at 25¢ to public.

Yankee Dundee Mines — Temporary registration to sell 300,000 shares at 40¢ to public.

## YANKEE DUNDEE POSITION

Yankee Dundee Mines, Ymir, B.C., reports issued capital at 230,005 shares of the 4,000,000, 50¢ par, shares authorized. Vendor consideration for properties was 780,000 shares while 200,005 shares were sold for cash. The company is offering 300,000 treasury shares at 40¢.

FEB 12 1953

## YANKEE DUNDEE

Soon Resume Low-Level Tunnel—Other Chances

Preparatory work has been in progress since Feb. 11 by Yankee Dundee Mines, Ltd., before resuming the long drive to penetrate the Ymir Yankee Girl and Dundee orebodies at depth. The low-level tunnel is situated in the valley of Wild Horse Creek near Ymir, B.C.

Some difficulty was encountered in the reclamation of the tunnel because of caving at the portal. This was overcome by converting the first 70 ft. of the entry into an open cut and then square-setting the next 50 ft. to a height of 22 ft. A. B. Goodridge, president, states the remainder of the 2,980-ft. adit is in good condition. Advance of the drive will be commenced within the next 10 days. The company has purchased a complete mining plant to pursue the advance. The tunnel will reach the projected downward extension of the Ymir Yankee Girl veins at a depth of 400 ft. below the lowest previous development.

Ralph A. Sostad, managing director, has made further investigation of a surface exposure on the Parker claim. A grab sample assayed 0.4 oz. gold and 11.6 ozs. silver per ton with 19.10% lead and 16.3% zinc for a gross value of \$109 per ton at present metal prices.

Goodridge and Sostad attach some importance to three strong shears cut by the Wild Horse tunnel within its present length. It is proposed to do some diamond drilling on these structures once the main objectives have been reached.

J. H. M. Greenwood, of Nelson, B.C., has joined the board of directors.

## EXTEND TUNNEL YANKEE DUNDEE

Following preparatory work including road building and bridge repairs, rehabilitation and reconditioning of the old tunnel, and the laying of track, water, air, and fan-pipe lines, the driving of the extension of the tunnel was commenced by Yankee Dundee Mines, Ltd., Ymir, B.C., on Apr. 2. The original tunnel driven for 2,950 ft. in 1928 and 1929 is 10 ft. by 10 ft. The extension is being driven on a two-shift basis at 8 ft. by 6 ft. The distance to the projected downward persistence of the former Ymir Yankee Girl orebodies is estimated at 1,500 ft. Ralph A. Sostad, managing director, is in charge of the work and states a rate exceeding 300 ft. per month will be maintained with the expectation of reaching the first objective late this summer.

Maximum efficiency is anticipated as the result of purchase of a completely modern mining plant.

After drifting in the Yankee Girl section and preparing for production, it is proposed to continue the tunnel to reach the Dundee section of the mine.

## YANKEE DUNDEE PROGRESS

During the fiscal year ended Oct. 31, 1953, Yankee Dundee Mines, Ltd., spent \$101,395 on the exploration and development of its property at Ymir, B.C. The balance sheet listed cash on hand at \$6,709 against current liabilities of \$33,864. Of the 4,000,000 shares of authorized capital, 1,149,489 shares were issued.

The annual meeting, held in Vancouver, recently, was told by R. Sostad, managing director, that a further sale of 200,000 shares of treasury stock after the end of the fiscal year had realized sufficient funds to carry current work and reduce liabilities to less than \$5,000.

Operations by the present company commenced Feb. 11, 1953. In his report to shareholders, A. B. Goodridge, president, stated the Wild Horse tunnel had been advanced 1,438 ft. during the period to Dec. 31 and the face was then 4,388 ft. from the portal. As of Jan. 22, the face

had been advanced to 4,500 ft., within some 50 ft. of the anticipated downward projection of the Ymir Yankee Girl structure. The Wild Horse tunnel is at elevation 2,800 ft. and the horizon is 800 ft. below the former main haulage tunnel.

### New Vein Cut

Mr. Sostad said that at 4,092 ft., a vein five feet wide and averaging \$25 gross value in preclous and base metals had been encountered. Since the operators have been unable to correlate the occurrence with any development at higher horizons, the vein has been named the "Bonus." At a point in the Wild Horse tunnel, 120 ft. beyond the intersection, a diamond drill station was established with a view to exploring the Bonus vein. The first hole intersected the upward projection of the vein at a point estimated to be 90 ft. above the crosscut, where a true width of 8.0 ft. yielded value of \$19 gross in preclous and base metals. The second hole, directed to reach the objective 100 ft. to the east, encountered a mineralized vein at a length of 65 ft. The hole is being continued in

the hope of intersecting the Bonus vein.

The president's statement advises that sufficient funds are on hand to complete the first phase of the program, that of reaching the Yankee Girl structure. Negotiation for further funds is now advanced to a point where officials believe ample money will be provided to carry on the program thereafter.

Directors were elected as follows: A. B. Goodridge, Ralph Sostad, Lester Weinreb, Thos. H. Wilkinson, and S. D. Falder. Mr. Goodridge was subsequently re-elected president and Mr. Sostad, vice-president and managing director. J. R. Lakes, 918 Rogers Bldg., 470 Granville St., Vancouver, is solicitor and secretary.

## YANKEE DUNDEE ENCOURAGED

A diamond drill intersection of eight feet of "obvious" ore grade is reported by Yankee Dundee Mines, Ltd., some 80 ft. in advance of the face of the long Wild Horse Tunnel. The vein is construed by the management to be the downward persistence of the Yankee Girl structure which has been the principal objective of the long drive, commenced a year ago. Ralph Sostad, managing director, states the tunnel will be extended to the intersection after which a raise will be driven to connect with former workings of the Ymir Yankee Girl. At the same time drifting will be undertaken in both directions on the vein.

As soon as satisfactory ventilation is provided through the raise, drifts will be driven in both directions on the Bonus vein, which was encountered at 4,092 ft. in the long drive. The Bonus vein averages better than five feet in width and has returned assays grading from \$19 to \$25 gross in preclous and base metals, principally gold. Diamond drilling is in progress to define the lateral and upward persistence of the Bonus vein.

Mr. Sostad reports satisfactory progress in negotiations for a mill, several of which are available in the district south of Nelson, B.C.

The reported finding of the Yankee Girl structure at a point 800 ft. vertically below the former main-haulage level and more than 400 ft. below any previous underground development and the favorable appearance of the unexpected Bonus vein constitute the first signs of depth persistence in the Ymir camp and have aroused speculation as to possibilities in other properties in the area.

## EMPIRE EXPLORATIONS

Empire Explorations Ltd., plans a drilling and development program to commence early in April on its uranium prospect in the Beaverlodge area, Northern Saskatchewan. Surface work last year showed indications of radioactivity.

The company holds a 62,500 share interest in Yankee Dundee Mines, currently drilling a property at Ymir, B.C.

Cash and bonds at Dec. 31, 1953, amounted to \$84,341, and investments at cost of \$9,125 were calculated to have a market value of \$21,000.

Directors and officers are, R. T. Blackmore, president, W. C. Doeckler, R. A. Sostad, and E. H. Wilkinson, secretary-treasurer. Address is at 850 W. Hastings St., Vancouver, B. C.

## YANKEE DUNDEE DEPTH ORE

The low-level tunnel of Yankee Dundee Mines, Ymir, B.C., reached the Yankee Girl vein system on Mar. 29. Diamond drilling a month previously had indicated the position, requiring an extension of 80 ft. of the tunnel.

R. Sostad, managing director, states the vein is 7.0 ft. wide at the point of intersection with 4.0 ft. of heavy mineralization on the hangingwall side. The structure is fully as strong. Mr. Sostad advises, as on the 1,235-ft. level, some 800 ft. vertically above the new face, suggesting evidence of greater persistence to depth. The Yankee Girl vein was reached at a length of 4,585 ft. from the portal of the Wild Horse tunnel with the Bonus vein being intersected during the drive at 4,092 ft.

In a report to shareholders, Mr. Sostad states:

"Where intersected, the Yankee Girl vein is 800 ft. from the Lakeview fault which is the controlling factor in the mine's sta-

tion of the structure. With this in mind it is reasonable to assume a possible tonnage of more than 200,000 between the 2,000-ft. level and the 1,235-ft. level on this ore structure, plus the ore in the Bonus vein which is 450 ft. nearer the portal than the Yankee Girl. The strength and good values encountered in this Bonus vein will add materially to the value and tonnage of the Yankee Dundee mine."

Samples are presently being run for gold, silver, lead, and zinc. A complete geological report is now being compiled by W. Montrose, Spokane mining engineer, for a group of United States investors who have evidenced an interest in supplying funds to bring the Yankee Dundee into production.

## YANKEE DUNDEE NEEDS MONEY

Plans Follow up Last Year's  
Depth Findings—Stock Position Favorable

Yankee Dundee Mines, Ltd., is negotiating with Spokane interests to obtain funds to continue the low-level development of the mine at Ymir, B.C., and to prepare for early production. The treasury is in favorable position with 1,400,000 shares issued (including 700,000 in escrow) of the authorized 4,000,000 shares.

The Yankee Dundee property of 28 claims embraces the former Yankee Girl and Dundee mines. Production of gold, silver, lead, and zinc has been obtained from the two mines in the past 50 years from higher horizons. The present company was formed in 1952 and in the following year drove the Wild Horse tunnel 4,500 ft. to intersection with the projected persistence of the Yankee Girl vein 800 ft. below any previously established level.

Entire Outlook Changed  
The following recommendations have been made by J. W. Melrose, consulting

## PLAN DETAILED SURVEYS FOR YANKEE DUNDEE

**AUG 20 1953** **AUG 29 1953**  
 The primary geologic work at Yankee Dundee Mines' 18-claim uranium prospect has given radioactive indications over an area approximately 3,000 ft. long with widths up to 100 ft., reports Ralph A. Sostad, managing director.

Property is at Stenson Lake, 45 miles east of Stony Rapids, Charlebois Lake district, Northern Saskatchewan.

The zone is described as a pegmatite dike along the contact of granite and metamorphosed sediments. Consistent radioactive reactions are said to have been noted across 100 ft. in some spots. Overburden is heavy in places and geological surveying, gridded geigering and surface trenching have been recommended.

Some samples are out for assay.

## YANKEE DUNDEE Values Found Well Below Depths Explored Earlier

First mineral showing was cut by the Wildhorse crosscut being driven by Yankee Dundee Mines Ltd. late last month at a distance of about 3,750 ft. from the portal.

The material occurred in a small vein on the hangingwall of an 8-ft. shear zone. The vein, while too narrow to be commercial, is apparently of good grade carrying sulphides of galena, zinc and pyrite, typical of the Yankee Girl veins in previous operations. It was crossed some 700 ft. from the projected downward extension of the Yankee Girl vein. Nothing is known of its origin, states A. B. Goodridge, mine manager, but it is thought it could be the eastward extension of the old Atlin vein.

What cheers the operators is the fact that this well-mineralized-vein shows that ore conditions carry to at least 400 ft. below its previous proven depth or about 2,000 ft. below the surface.

In Mr. Goodridge's opinion this indicates that the ore will now continue to even further depth and adds importantly to the potential tonnage possibilities of the Yankee Girl and Dundee structures.

Assays from this vein averaged 4.86% lead, 12.3% zinc, 0.1 oz. gold and 2.4 ozs. silver for an approximate value of \$46.08 gross per ton at current metal prices.

During August the Wildhorse crosscut was advanced 260 ft. It is being continued on a 2-shift basis and Mr. Goodridge states that if any bodies of commercial value are intersected an ore bin will be erected and shipping of ore will get under way immediately.

## YANKEE DUNDEE PROGRESS OCT 15 1953

A progress report to the management and shareholders of Yankee Dundee Mines, Ltd. submitted by A. B. Goodridge, mine manager, states that during September the Wildhorse tunnel was advanced another 250 ft. and is now less than 475 ft. from its main objective, the projected downward extension of the previously highly productive Yankee Girl vein.

Drifting is continuing on a 2-shift basis, Mr. Goodridge states, and good progress is being made. It is expected that the drift will reach its objective within the next two months. Sufficient funds are on hand to complete the work.

During the course of the work completed during September the mine manager reports, much valuable geological information was gained. The contact between the diorite and the sediments was reached about Sept. 15. Since that time, after passing through some 15 ft. of limestone and soft argyllites, the drive has passed through highly siliceous argyllite mineralized with pyrite. These are the same geological conditions, the mine manager comments, as prevailed throughout the productive high levels of the mine and add to the assurance that the Yankee Girl and Dundee bodies will persist to even greater depth than 2,000 ft., the horizon at which the present drive will intersect them.

Last month a small vein of high grade ore was cut which proved persistence of the ore to at least the 2,000-ft. level. Since then, Mr. Goodridge states, the correct geological conditions to produce large bodies of ore have been encountered.

Diamond drilling will follow the current drifting program.

## YANKEE DUNDEE LOCATES SECOND ZONE

A second mineralized zone of lead, zinc and pyrite has been intersected by the new low-level Wildhorse tunnel at 4,100 ft. from the portal of the Yankee Dundee Mines, Ltd. property at Ymir, B.C. a wire from the property states. Ralph Sostad, director, advises the mineralization and formation is similar to the ore bearing zone in upper levels of the Yankee Girl mine.

The intersection proves a 2,000-ft. downward extension of the mineralized zone. Samples from the occurrence have been shipped for assaying.

The crosscut continues to be advanced two shifts daily and the first main zone, as developed in the upper workings, is expected on the new level within 400 ft. of the face at the time of the intersection.

## YANKEE DUNDEE TUNNEL ADVANCE

What are described as interesting results have been obtained during the past few weeks at the Yankee Dundee Mines, Ltd., property near Ymir, B.C. The work is outlined in a report to shareholders signed by R. Sostad, managing director, who has been in charge of operations at the mine.

During October, he states, the Wildhorse tunnel was advanced 205 ft. bringing the total advance to 1,210 ft. and

placing the face at 4,160 ft. from the portal. Estimated distance from the face to the downward extension of the Yankee Girl vein structure is 340 ft.

The tunnel advance, states Mr. Sostad, was in metamorphosed sediments, similar to the wall rock in the upper levels. At 4,092 ft. from the portal, a mineralized zone five feet wide was intersected and is reported to be similar to showings in the upper levels. The zone assayed as high as 0.76 oz. gold across two feet with a poorer section averaging 0.3 oz. gold across four feet. The mineralization is very fine grained lead, zinc and pyrite, the gold being associated with these three minerals.

After intersecting this zone the advance was in diorite for 40 ft. and then back into sediments where another mineralized section running obliquely to the first zone was cut. A 14-in. channel across a section of this occurrence assayed 0.28 oz. gold per ton.

B.C. Superintendent of Brokers notices:  
 Yankee Dundee Mines—Registered until  
 Apr. 30, 1954, to sell 200,000 shares at 18¢  
 net to Traders Investments, A. B. Good-  
 ridge and R. A. Sostad, N 2 1, 1954

*Preliminary Announcement*

JUL 19 1934

An Offering of  
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of

**YMIR YANKEE GIRL  
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