

ALWIN MINING COMPANY LTD.

MINE PRODUCTION SUSPENDED. - Harold Jacques, president of Alwin Mining Company Ltd., reports **OTHER INTERESTS REVIEWED** that management of the O.K. Syndicate in which Alwin's interest is 50% and which operates the O.K. Mine in Highland Valley, B.C., has announced that production will be suspended effective 15Dec72. The syndicate management said, "The suspension is necessitated by the current production rate and economic conditions. During the suspension an evaluation will be made of the future mining program. Resumption of operations will depend on the results of the study and economic factors prevailing at the time."

Mr. Jacques says Alwin directors wish to emphasize that this is a temporary suspension only. The step has been taken to permit evaluation of current economic factors, as well as the mining methods which have not measured up fully to the production projections of the feasibility studies.

This decision should not be interpreted as an adverse reflection on the orebody or on the productivity of the mine itself, says Mr. Jacques, because the situation has not changed markedly. He points out that, there is an established orebody at the mine containing at least 50 to 60 million pounds of high-grade copper. That the product is marketable is evidenced by the fact that since production started in July, copper concentrate having gross value exceeding \$1,000,000 has been shipped to a West German smelter under contract.

Meanwhile, says Mr. Jacques, recent exploratory work on Alwin's lead-zinc claims in the Robb Lake area, NE B.C., outlined three geochemical anomalies one extending 4,000 feet long. (The property adjoins claims held by Anchor Mines Ltd. and both groups are adjacent to holdings of Brinco). Consultants Dolmage Campbell & Associates in an Oct.20/72 report recommend supplementary soil sampling and a gravity survey in the next phase. Financing for the work is being arranged.

Alwin also plans further exploration on its Transvaal claims in Highland Valley on which are extensive copper mineralized showings.

Alwin has an interest in Hydrion Industries whose plans are advancing to the pilot plant stage for their pollution-free hydrometallurgical smelting process. (For relatively recent background detail on Alwin and Hydrion, see GCNL 184 and 185(72)).

FOR THE RECORD

Steintron International Electronics Ltd. president Karl Stein told the annual meeting 1Dec72 that he was confident fiscal 1973 would be a good year for the firm with substantial increases in sales and earnings. For record results achieved in the year to 31July72, see GCNL 222(72).

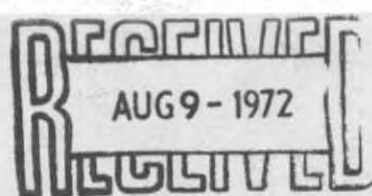
Mr. Stein reported that the company has acquired exclusive rights in Canada for distribution of a portable color video tape recorder that is suitable for use in homes. Steintron will start marketing it in May 1973. Its potential is "extremely great," said Mr. Stein. He expects it to contribute much to company earnings in years to come. Besides Mr. Stein (owning 96,800 shares) the meeting re-elected directors B.W. Tessler exec.v.pres. (97,014 shs.); J. Barbeau, sec.(17,349); J.R. Arnold(1,200), H.R. Crewe(3,400); and W.C. Eilers(1,000). Elected director for the first time is Henning Peter Brasso.(nil shs.) Cord International Minerals Limited by agt., 12Jul72 with Ponderoy Exploration Co. Ltd. and Diamond Head Resources Ltd., Cord and Diamond Head jointly are entitled to acquire a 15% working interest in a non-exclusive licence for prospecting for minerals(the Gemco Licence)in Greenland by spending \$110,000 on exploration. By spending a further \$330,000 Cord and Diamond Head may earn a further 15% interest. The licence was granted 21Jul70 and expires 30Jun73.

The two licencees planned to spend \$110,000 on the Gemco Licence in the 1972 field season in Greenland(June - October). A crew supervised by J.C. Sproule & Associates Ltd. left for Greenland 20Jun72, supported by a ship and Jet Ranger helicopter, and the results of their field work were to undergo detailed study on their return. Regarding Cord's Nevada properties the current statement says some encouraging results of diamond drilling done were obtained, but that further testing will have to be done before conclusions can be reached. It was decided to suspend drilling pending study of results to date. Cord therefore decided to allocate funds originally intended for the Nevada property to other projects.

\$55,000 originally allocated to the Nevada property will be used to pay Cord's portion of the Greenland project.

Jordesco Resources Limited (formerly Kopan Developments Ltd.) further to the information in GCNL 156,130,122 and 120(72) advises VSE that, by agt 8Nov72, effective 27Nov72, Dare S.A. and Desco have agreed to lend the company an amount sufficient (1)to meet its obligations to conduct a work program approx. \$51,000 and (2)to pay all of its existing liabilities other than those to Dare and Desco, being approx. \$30,000. Such loan and the amount of the liabilities to Dare and Desco will not bear interest and will be repayable only when and to the extent the company has raised funds from other sources. Jordesco as noted in GCNL 229(72), has qualified for a shareholders offering a total of 500,000 shs. of the company owned by Dare S.A. of Geneva and by Desco Investments Ltd. Toronto. These would be sold to the public in ordinary brokerage transaction through facilities of and subject to supervision of VSE, at current market at time of sale. None of the proceeds will accrue to Jordesco. If all the shares are sold, Desco, which owns 650,000 shs. of Jordesco will own 400,000 shs. and Dare, now owning 850,000 shs. will own 600,000 shs. Desco, the promotor of Jordesco, on 4Apr72, entered into an agt. with the Govt. of Jordan for a joint venture to explore for oil and gas in parts of Jordan, being approx. half of its total land area with the Natural Resources Authority of Jordan participating as to 45% and Desco as to 55%.

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WESTERN CANADIAN INVESTMENTS

PINNACLE PETROLEUMS LTD.

<u>YEAR ENDED MAR 31</u>	1972	1971	J.R.Schmid, vice president of Pinnacle
Revenues	\$ 292,869	\$ 289,385	Petroleum Ltd., stated in the annual report
Expenses	247,550	434,859	that since the corporate reorganization for
Cash Flow (Loss)	45,319	(145,474)	the first time in five years, a positive cash
Net Loss (bf.Extra.Items)	(87,097)	(302,438)	flow from the company's revenue has been
Extraordinary Items	762,089	(376,817)	produced. He says the exploration program
NET EARNINGS (LOSS)	\$ 674,992	\$ (679,255)	will be concentrated in the conventional oil
Shares Outstanding	5,380,895	5,380,895	and gas producing areas of Western Canada

and will continue to operate internationally.

In minerals exploration which now accounts for about 15% of the budget, will be maintained but not increased.

As to financial results the report states that revenues from oil and gas sales were up 17% from last year, while general and administrative expenses were cut by 41%. This combined with other efficiencies, resulted in a cash flow of \$45,319, an improvement of 131% over the previous year. The extraordinary gain of \$762,089 is the result of an agt. under which 1,541,700 pledged shs. of the company's stock became the property of Greyhound Leasing & Financial Corporation at an agreed value of \$1,700,000 (U.S.) a sum in excess of that carried on the company's books. This in turn produced net earnings of \$674,992.

Pinnacle has varying interests in 43 oil wells and 9 oil and gas units in Canada and the United States. It operates 17% of the production with Alberta accounting for 42% and Sask. 56% of the revenue. Net production last year was 112,340 barrels, an increase of 15% over 1971. A critical evaluation and detailed analysis of all producing properties was undertaken during the year. Recommendations were made regarding many wells. Consequently remedial work has been completed on wells which represent 90% of the company's producing capacity and should result in increased production in the coming year.

Pinnacle has a small interest in the Donalda Gas Unit in central Alberta which went on stream last year and is a participant in the newly formed Belly River 'B' Unit. This latter unit, which should start water injection later this year, could well result in a very significant increase in the company's oil reserves and cash flow from the enhanced secondary recovery, the report states.

ALWIN MINING COMPANY LTD.

NEW MINING METHOD - Alwin Mining Company Ltd. has reported that since the start, in February 1972 of the O.K. Syndicate mill in Highland Valley, B.C., every aspect of the plant operation has exceeded expectations - throughput tonnage is averaging around 550 tons p/day, with normal daily rate around 650. Peak day treated 802 tons in 24 hours. Recovery is averaging 98% and concentrate grade has been 34% copper. It is expected concentrates will average 37 - 38% copper.

A long-hole open-stope mining method was selected for the initial two stopes but dilution has been great, resulting in mill heads of around 1.50 - 1.75% copper. During the past month a more selective type mining method in two stopes has been used and results appear very encouraging. It is proposed to process some of this ore through the plant in early August. The plan is to open up six to eight shrinkage stopes over the next few months, with a target grade of 2.50% in the mill. These new stopes would be serviced from the present ramp system.

The first load of concentrates, (slightly less than 2,000 tons) worth in excess of \$500,000 was shipped from North Vancouver to West Germany. A second shipment is scheduled for 14 Aug 72 and will be approximately 1,100 W.L.T.

First step in an expansion program was acquisition of the Transvaal property located about seven miles from the present Alwin operation. Other properties are under negotiation.

Alwin has acquired an interest in a new hydrometallurgical process which has been under tests by H. A. Simons International over the past six months. They have been successful in putting 99% of the copper in the Alwin concentrates in solution in 24 hours. This work has now been completed and the design of a commercial size cell to handle 1 - 2 tons concentrate per day is underway. It is expected this unit will be operational in a few months and the pilot smelting of the O.K. Syndicate concentrates at a rate of 1 - 2 tons per day will continue. It is expected a full plant could be operational in mid-1973.

FOR THE RECORD

Rayore Enterprises Ltd. president N.N.Thompson reports that on its claims N & E of Afton Mines, 8 miles W of Kamloops, both diamond drill Holes No.1 (completed at 587 ft.) and Hole 2 some 800 ft. away (now drilling beyond 220 ft.) encountered some native copper. No estimate of the amount of copper has been made but is considered geologically significant. The target is an intrusive body below the volcanic formation covering most of the property.

Falaise Lake Mines Ltd. president Ray Hunstone reports diamond drilling is to start 9 Aug 72 on its Lil and Pine group 10 miles E of Kamloops to test 2 of 3 anomalies found by recent soil, EM and IP surveys. Hole 1 will probe 600 ft. in the SW part of the property.

FILE 22WYN

VANCOUVER ISLAND GAS COMPANY LTD.

YEAR TO DEC31	1971	1970	
Revenue	\$410,696	\$388,459	Increase of 12% in net cash generated by operations plus \$5,037 recovery of deferred charges gave Vancouver Island Gas Co. new funds of \$98,994 in 1971. The company added \$16,133 to fixed assets, reduced long-term debt by \$45,000 and increased working capital by \$37,871. Cost of the debt reduction was \$43,214.
Net fr.Operations	93,957	83,905	
NET EARNINGS	\$ 61,301	\$ 52,145	The saving of \$1,786 was not taken into income but was reflected in the company's accounts as a partial recovery of the original debenture issue expense. Gas sales gained 6%. The company now serves 1,042 customers.
P/Share	2.5¢	2.1¢	
Working Capital	\$ 68,703	\$ 30,842	
Long-Term Debt	190,000	235,000	

TRANS-CANADA RESOURCES LTD.

YEAR TO OCT31	1971	1970	
(consolidated Results)			NEW INCOME SOURCES FEATURE PAST YEAR
Income	\$2,955,285	\$3,203,619	Steps taken by Trans-Canada Resources in the year ended 31Oct71 were designed to ensure a continuity of earnings. The report says also that demand and term loan financing was arranged up to \$1,500,000 to ensure adequate working capital. Interests were acquired in oil production in Avon Hill, Dodsland, Buffalo Coulee, South Parkman and Golden Spike fields. The company participated in a gas discovery at Enchant. Oil reserves increased about 10% to 6,200,000 bbl. after doubling production in the year under review to 340 bbl. daily from 170 bbl. daily the year before. To expand services to the oil industry Dymac Equipment was started in February 1971.
Cash Generated	408,629	537,365	
NET EARNINGS	\$ 39,261	199,981	
Earnings P/Share	2¢	9¢	
Working Capital	\$ 206,161	\$ 74,803	
Long Term Debt	640,221	130,953	
Shares Issued	*2,643,317	2,385,884	
*In 1971, for services 104,440 shares for property 152,993 shares			

ALWIN MINING COMPANY LTD.

NEW HIGHLAND VALLEY COPPER MINE - The O.K. Syndicate mine in Highland Valley, B.C., is now IS NOW IN FULL PRODUCTION in full production says general manager D.W.Pringle,P.Eng. Interests in profits after repayment of costs of placing the mine in production (as summarized in GCNL 50, 13Mar72) are Alwin Mining Company Ltd. 50% and D.K.Mining, Inc. (a Calgary-based firm in which International Minerals & Chemical Corporation owns 50%).

The mill started on 21Feb71. Its run-in period ended in early March. Mr.Pringle says the concentrator is operating well beyond expectations. Recovery in March averaged 96.8% and concentrate grade was 33.37% copper.

The mill has treated up to 658 tons in 24 hours. From a milling standpoint, he expects no problem in averaging 600 tons per day on a 350-day year basis and average recoveries of plus 97.5% and concentrate grade of plus 36%.

At present the new mine is working hard to supply the 600 tons per day with an average grade mining around 2% from the initial two drawpoints, says Mr.Pringle. It is planned for the O.K. Syndicate to do its own mining from 1May72, with the contractor doing the diamond drilling and certain headings. Detailed stope diamond drilling is producing intersections 10-12 feet wide running 3 to 3.5% copper in Zone 4.

A concentrate hauling contract has been finalized with C.N.R. at a rate much below initial estimates. Mr.Pringle adds that the revaluation of world currencies has resulted in a good plus factor in revenue as compared to the situation last September. With performances better than the feasibility projections, debt retirement will not be much different from that originally projected despite the construction cost over-run.

Now that milling capabilities have been established, management can give serious consideration to custom milling of ore from other mines.

VANCOUVER STOCK EXCHANGE - SHORT POSITION REPORT

MARCH 31, 1972

Acheron Mines 1,000	Coseka Res. 1,800	Imperial Mar. 36,800	Peel Res. 500
Afton Mines 146,200	Cream Silver 2,000	Int'l Mar.WtsC 12,000	Richwood Ind. 1,200
Bathurst Norse.5,600	Darkhawk Mns. 1,500	Int'l Space Mod.B500	Rocket Mns. 1,000
Bethlehem Copper 100	Davis Keays 3,100	Kamad Silver 3,000	Rolling Hills 1,000
Bison Pete 200	EDP Industries 5,200	Kopan Develop.27,500	Sabina Ind. 6,400
BrenMac Mines 5,500	Equatorial Res. 6,000	Leemac Mns. 82,700	Silver Christal 1,000
Bullion Mtn. 14,600	Freehold Gas 1,000	Lornex Mng. 600	Silver Standard 1,500
Calico Silver 1,000	Gibraltar Mns. 11,700	Newvan Res. 2,000	Slocan Ottawa 500
Calta Mines 9,000	Gt. Northern Pete 200	Nisson Mng. 5,900	Stall Lake Mns. 400
Chapparal Mns.11,000	Highland Lode Mns.1,500	North Pacific 9,000	Valley Copper 100
Con. Standard 500	Highmont Mng. 3,400	Pathfinder Res.13,800	

FOR THE RECORD

Ana Lake Mining Ltd. share trading suspension has been extended by B.C. Securities Commission until required information is received.

Highland Mercury Mines Limited share trading was suspended 11Apr72 by Vancouver Stock Exchange at company request pending completion of corporate re-organization and financing and also by B.C. Securities Commission (for 15 Days) there appearing to be no reasonable explanation for current bids on shares.

Trans Canada Pipe Lines Limited - \$2.65 Cumulative Red.Conv. Second Pref. shs. Series "A" of par value \$50, were listed on Vancouver Stock Exchange

DYNAMIC GROUP OF COMPANIES

SHAREHOLDERS' MEETINGS APPROVE - Following purchase on Oct. 8/71 of substantially all TAKE OVER OFFER BY EXCHANGE OF SHARES the shares held by the controlling shareholders of the Dynamic Group of Companies, for an aggregate of \$6,547,319 cash, Pan Ocean Oil Corporation, New York, proposed to acquire all the remaining shares of these companies for the consideration of shares of Pan Ocean on the following share exchange ratios:

For ea. 100 Issued Outst. Fully Paid Comm. Shs. of:	No. of Shs. of Pan Ocean Comm. Stock	For ea. 100 Issued Outst. Fully Paid Comm. Shs. of:	No. of Shs. of Pan Ocean Comm. Stock
East Crest	15.06	Mill City	19.30
Crusade	6.60	New Continental	6.47
Dynalta	14.47	Permo	3.60
Dynamic	9.53	RCV	9.67

Notes to an audited pro forma combined condensed balance sheet as at 31 Aug 71 giving effect to the proposed arrangement on a pooling of interests accounting basis, state that \$4,909,380 has been eliminated from the 31 Aug 71 valuation of current assets to reflect the elimination of the Dynamic Group shares purchased by Pan Ocean from the former controlling stockholders, officers and directors of the Dynamic group: A.P. Newall, Jr., R.C. Brown and Frank Brown, and two other senior officers, R.D. Paugh and E.F. Lowick. These individuals sold substantially all of the shares owned by them in each of the companies in the Group: namely Crusade, 722,933; Dynalta, 794,800 shs.; Dynamic, 1,445,842; Mill City, 71,019; New Continental, 40,900; Permo, 3,000 and RCV, 115,560. These sales were made to 3 purchasers; Pan Ocean Ltd. a wholly-owned Alberta subsidiary of Pan Ocean, Dreyfus Offshore Trust N.V. and certain individuals represented by M.S. Bercuvitz in Trust, for an aggregate price of \$6,547,319. At that time each of the controlling persons resigned as director and officer, other than Mr. Paugh, who remains a director of Mill City and Mr. Lowick who remains a senior officer of each company. Nominees of Pan Ocean were elected to fill the vacancies.

The pro forma also eliminates the 1,979,956 shares of Pan Ocean common stock which will be required at the applicable exchange rates to replace all the remaining outstanding shares of the Dynamic companies. Total assets on the pro forma combined basis would then be \$55,532,707 comprising \$6,309,691 contributed by the Dynamic Group, \$52,666,290 contributed by Pan Ocean, plus \$1,466,106, being an adjustment for the net effect of retroactive application of Pan Ocean's accounting policy for exploration and development costs to the Dynamic Group's historical results of operations. Pro forma liabilities are shown at \$23,629,014 comprising \$6,990,029 current; \$16,548,985 long-term debt and \$90,000 minority interests in consolidated foreign subsidiaries. Shareholders equity is shown at \$31,903,693 and issued shares after the combination at 9,838,148, of 30,000,000 shares authorized, par one cent.

Meetings of each of the 8 Dynamic companies in Calgary, 6 Dec 71 approved the definitive agreements.

Pan Ocean reports it has undeveloped oil and gas exploration, properties, applications and priority filings and interests in Canada, U.S.A. and 18 other countries totalling 86,395,322 gross acres 29,320,115 net acres). Pan Ocean's principle producing property is in the Strachan area, Alberta, where its share of net saleable gas is estimated at 290 billion cubic feet.

Pan Ocean has prospective exploration holdings for minerals other than oil and gas in B.C., N.W.T., Alaska, the Canadian Arctic and Western Australia. The company has 30,000,000 common shares authorized, one cent par and 5,000,000 pref. shs. \$1 par. No preferred shs. have been issued. The common shares are listed (POC) in Canada on V.S.E. and T.S.E. and are traded in the over-the-counter market in U.S.

Of 12 Pan Ocean directors, 3 are resident in Canada: Victor E. Trudel, executive v. pres., and Adam A.W. Kryczka, v. pres. both of Calgary and Phillip J. De Zwirek, Toronto.

The Dynamic group of Companies, with exception of Permo, has an undivided 12.5% share in net profits that may be won from approx. 1,244,000 acres in N. Saskatchewan, under agt. to Gulf Minerals Canada Limited, including the Rabbit Lake uranium orebody in which the group has 7/8 of 10% of net profits until costs are recovered and 7/8 of 20% after costs are recovered. The plant at an estimated \$50,000,000 has been contracted for with start-up target, 1 Apr 75.

The Group's other interests include coal, copper, oil and gas in B.C., Alberta and the Arctic Islands.

FOR THE RECORD

Alwin Mining Co. Ltd. financial statement (prepared without audit) for the 6 months to 30 Jun 71 shows that \$204,582 cash was received, being \$157,500 from issue of 250,000 shs. and \$47,082 from a deferred loan. Spent was \$151,395 resulting in an increase of \$53,187 which reduced working capital deficiency to \$16,247 from \$69,434 at 1 Jan 71. The cash allocations were: exploration and development \$87,148; cost of increasing auth. shares, \$2,501; payments on equipment financing contracts, net, \$1,746; final option payments on claims, \$60,000. Of 5,000,000 shs. authorized, 3,125,003 were outstanding at 30 Jun 71, incl. 582,500 for properties and 2,542,503 for cash. During the 6 months to 30 Jun 71, Alwin granted an option to issued 100,000 further shares to net the company \$75,000. This option was exercised in July 1971. No shares were held in escrow at 30 Jun 71. During 1971, Alwin entered into an agt. with D.K. Mining, Inc., Calgary, and IMC Development Corp., Delaware, whereby Alwin's Highland Valley claims are to be brought to production by the O.K. Syndicate, consisting of the 3 companies. Alwin has obtained a 50% interest in the Syndicate in exchange for contributing certain mineral claims with all improvements and equipment thereon. D.K. Mining and IMC are to provide financing for the Syndicate up to \$3,000,000, interest free. Alwin is paid \$4,000 monthly by O.K. Syndicate for administrative and technical services.

NOVEMBER 23,1971

CINNABAR PEAK MINES LTD.

COAL LEASES ACQUIRED - Cinnabar Peak Mines Ltd., an Edmonton-based mining company with metallic mineral interests in British Columbia, has diversified its holdings into energy resources by acquiring and optioning extensive coal properties in the Peace River area of NE B.C.

These properties cover approximately 23,000 acres of leases and coal licences and extend for more than 8 miles along the favorable coal-bearing Gething Formation.

Cinnabar Peak's newly elected president, Russell Olekshy, reports that \$100,000 for the exploration and development of the coal properties has been completed through an underwriting.

Cinnabar Peak Mines leases and licences on coal deposits are held in blocks on both sides of the Peace River a few miles downstream from the W.A.C. Bennet Dam. Hudson Hope, lies about 10 miles east of the properties.

The properties are underlain by well-known lower Cretaceous coal formations containing important seams of coal, structurally suitable for mining by conventional methods. At least 12 seams ranging in thickness from 2½ feet to 9 feet have been reported in the Gething Formation. The deposits are amenable to relatively simple development with some sections that maybe suitable for strip mining.

The block north of the Peace River contains the Gething mine from which coal was mined and marketed as recently as 1963.

Cinnabar Peak's exploration program is being conducted under the direction of Dr. L.B. Halferdahl, P.Eng., of Edmonton. He reports that preliminary surface geological mapping and exploration has been completed in preparation for the design and implementation of a major drilling program for the properties.

In the course of the preliminary exploration program and the surface geological mapping, Dr. Halferdahl states that the previously reported coal seams in the Gething Formation have been located, correlated and extended throughout the properties. The coal seams appear consistent and continuous under large areas of the properties.

Dr. Halferdahl further reports that although substantial reserves are indicated, extensive subsurface investigation and evaluation by means of the drilling program will be required.

Trenching and sampling of the major coal occurrences is currently underway. Initial results have indicated good quality medium volatile bituminous coals of potential coking properties for metallurgical use.

A winter drilling program to further assess and evaluate the metallurgical grades, tonnage reserves, and mining feasibility of the properties is anticipated.

ALWIN MINING COMPANY LTD.

HIGHLAND VALLEY MINE CONSTRUCTION - Alwin Mining Company Ltd. has reported that in the Highland Valley, the camp has been expanded and 116 persons are housed and employed on site.

The plant purchased from Western Nuclear Mines has been moved to the mine site and re-erection of the concentrator, crusher and power house buildings is well underway. Some of the machinery already installed includes the jaw crusher, cone crusher, dust collector, ball mill, and travelling crane and the four power generators have been set in place.

The water system for industrial as well as domestic use is complete except for some facing on the dams. The permanent electrical distribution system is more than half complete and the tailings dam and disposal area are complete. Other works, such as roads, re-claim ditches, waste dump and ore stock pile areas have been completed and are in use.

The first stage of mine development is well ahead of schedule and will be completed early in November. Development in the ore zones has shown the ore to be as good as or better than anticipated. Ore development will continue in preparation for the scheduled start-up in late December.

Since the initial syndicate agreement was announced, IMC Development Corporation of Skokie, Illinois, was invited to participate to the extent of 50% of D K Mining's interest. International Minerals & Chemical Corporation is involved in fertilizer and potash production, as well as having interests in industrial chemicals, mineral trading and food production.

O. K. Syndicate - the operating arm of Alwin Mining Company, D K Mining, Inc. and IMC Development Corporation - has successfully concluded a concentrate marketing agreement with Norddeutsche Affinerie and Aumas Fergusson Wild, Ltd. Pricing arrangements are based on L.M.E. London quotation, with payment to be made in Deutsche Marks. The agreement covers the shipment of concentrates from the mine to Hamburg, Germany, for a five year period. Final arrangements are now being made with regard to the transportation of the concentrates.

With regard to Alwin's other properties, geophysical surveys have recently been completed over the "BAT" group of claims near Greenwood and the Guichon group of claims on the east side of the Highland Valley. Results of these programs, which are being documented and interpreted, will be announced as soon as engineering reports are available.

FOR THE RECORD

CORRECTION: Honda Mining Co. Ltd., director Leslie Harrison advised that the item in GCNL 225, 22Nov71 is wrong in indicating that there is no drill on Honda's Mexican property. He says that a drill and a driller are on the property although progress has been slow. The third drill hole is expected to be completed shortly. Assay results from all three holes are also expected.

Sherritt Gordon Mines Limited will pay a dividend of 15¢ per common share on 21Dec71, record date 30Nov71.

Rand Resources Limited shares were transferred from the Mining Section to the Oil Section of Vancouver Stock Exchange on 22Nov71.

ALWIN MINING COMPANY LTD.

SEVERAL FAVORABLE FACTORS PROMISE - In connection with the announcement of Alwin Mining Co. CAPITAL COST PAYBACK IN TWO YEARS as reported briefly in GCNL 133(71), H.E. Jacques, president, provided additional details as follows: "O.K. Syndicate" comprising Alwin and D.K. Mining Inc., will operate Highland Valley's first high-grade copper mine.

Alwin's feasibility reports project net operating profits in the first 6 years of approx. \$7,000,000 using a copper price of 45¢ lb. Canadian; \$10,000,000 at 50¢ copper; and close to \$15,000,000 at 60¢ copper. At current copper prices (50¢ range), the presently-developed 1 1/4 million tons of high-grade reserves have a gross value of approx. \$30,000,000. Ore grade averages 2.33% copper, 0.34 oz. silver p/ton and; 0.003 oz. gold p/ton. Existing tonnages from indications to date are expected to be increased as actual mining and further exploration proceeds. The Syndicate has purchased a crusher and concentrator which will permit custom milling for other potential producers in the area. The operation will enjoy federal tax-free incentives to January 1974, and thereafter a fast writeoff of development and preproduction costs as well as plant capital investment. Following repayment of D.K. Mining's preproduction costs, profit will be shared 50-50. Estimated repayment period of such costs is approx. 24 months even at current copper prices. Mining of the more readily accessible higher-than-average-grade ore in the first three years will increase earnings above the projected average.

Alwin's partner, D.K. Mining, is wholly owned by DEKALB AgResearch, Inc. of KeKalb, Illinois. D.K. Mining will be represented in the syndicate by 2 nominees and Alwin by one until D.K.'s costs are repaid. Thereafter representation will be equal. Alwin's executive vice-president, D.W. Pringle, P.Eng., is general manager of O.K. Syndicate and F.G. Cooke is mine manager.

Mr. Pringle's original estimate of \$4,800,000 for capital cost was revised to \$3,400,000. The latter figure has been further cut to approx. \$2,500,000 apart from \$500,000 for initial working capital. The latest saving resulted from purchase of an existing concentrating plant, by effecting a more detailed mine design and by the contracting out of preproduction underground work to Canadian Mine Services Ltd., successful bidder among 4 tenders submitted. Mining during production will also be done by the contractor if management is satisfied that suitable control over ore grade and dilution can be obtained.

Design of the plant and auxiliary equipment purchased from Western Nuclear Mines Ltd. is such that daily capacity can be increased from the scheduled 500-600 tons per day as required. The mill will be dismantled immediately and shipped to the Syndicate property. Estimated time period for assembly and tuneup is 4 to 5 months.

Alwin has authorized capital of 5,000,000 shs. of which 3,125,003 are issued. Directors in addition to Mr. Jacques and Mr. Fringle are: J.A.C. Ross, P.Eng., D.N. Cameron, M.M. Menzies, P.Eng., and B.D. Speton, Lawyer, director and secretary.

Ore zones vary from one to 32 ft. wide and average 10.5 ft. in true width spread along a total strike length of approx. 1,700 ft. Several zones are open along strike and in depth.

Alwin's shares are no longer in primary distribution.

FOR THE RECORD

Canadian Javelin Limited common shares were listed 13 July 71 on the Mines Section of Montreal Stock Exchange under symbol JVR. It is also listed on the Vancouver and the American Stock Exchanges. Of 12,000,000 common shs. auth., 5,959,010 are issued and 485,090 are reserved for issue under option plans to directors and employees. Ice Station Resources Ltd. shares were listed on the Interim Section of Vancouver Stock on 13 July 71. Of 3,000,000 shs. without par value authorized, 1,600,002 are issued including 750,000 in escrow. Transfer agent is Canada Trust Company and ticker symbol is ICE.

Ice Station states that shareholders are offering 75,000 previously issued shares. Imperial Marine Industries Ltd. by 20 May 71 agt., bought all issued shs. of Gunsten Towing Limited for \$175,000 and has exercised Gunsten's option to buy the business of Reid Towing Company for \$60,000.

By a contract with the Receiver/Manager of McKay & Flanagan Sawmills Ltd., a joint venture was established to conduct certain milling operations of that company whereby Imperial Marine will advance monies to the joint venture. Advances up to \$100,000 shall not bear interest and additional funds will bear interest at normal bank rates.

Nickel Hill Mines Ltd. - By 6 Jul 71 agt., C.M. Oliver & Company as to 75% and on behalf of Briden, Anfield & Co. as to 25% have underwritten 100,000 shs. at 45¢ p/s and have been granted options on 100,000 shs. at 45¢ each due 11 Sep 71 and on 100,000 shs. at 50¢ each due 10 Dec 71.

Northlode Explorations Ltd. proposes to issue up to 1,055,224 shs. to Frontier Industries Ltd. to reimburse advances of \$250,825 plus interest.

Silbak Premier Mines Limited has reported that The Granby Mining Company Limited has completed three diamond drill holes on the North Western anomaly, and the drill has been moved to test two anomalies nearer the old workings. The property is located 15 miles from Stewart, B.C. Only a field report has been received in respect of the drilling on the North Western anomaly. The core has not yet been logged and assay results are not yet available. The anomaly may be caused by finely grained iron pyrite.

Buval Executive Mining Industries Ltd. and Centex Mines Ltd. shares are no longer in primary distribution.

UNDERGROUND DRILLING CONTINUES
TO CONFIRM ORE GRADE INDICATED
BY EARLIER SURFACE DRILLING

- A Sept. 16, report from Bacon & Crowhurst, consulting engineers to Alwin Mining Company Ltd. on the company's Highland Valley, B.C., property discloses that the underground, 7 feet by 9 feet portal level had been advanced 1950 feet and that 14 underground diamond drill holes had been completed for a total of 7,477 feet. The results of the six holes are given as: No. 84 cut 6 feet of 1.41% copper; No. 85 cut 4 feet of 1.48% copper, No. 86 cut 5 feet of 1.66% copper plus 3 feet of 2.66% copper, No. 89 cut 16 feet of 2.35% copper and No. 92 hole cut 41 feet of 2.15% copper. All intersections are reported as probable true width.

The first three holes represent the downward extension the No. 1 vein system, and perhaps a new No. 5 vein. The fourth intersection occurs about 100 feet below the winze from the old workings. The last two extend what is probably the No. 3 vein structure about 300 feet down the dip to the 4360 foot elevation, or a total of 600 feet plus below the surface.

Several minor intersections, other than the above, were obtained during the drilling, but not of the same significance.

Under other exploration, the consultants state that the geochemical work initiated in 1967 has been extended to cover approximately one half of the claim group. Several interesting anomalous areas were outlined. On one of these, tractor trenching has uncovered three or four narrow 12 inches to 15 inches, vertical stringers, parallel to each other and spaced about 100 feet apart, containing weak chalcopyrite and bornite mineralization.

Drill indicated ore reserves are reported as 686,600 tons of 2.44% copper, and 0.30 oz. silver. The consultant state, "Based on results obtained from the occasional deep diamond drill hole driven from the surface previously, and considering the strong structural pattern at depth currently being developed, it is reasonable to expect that the tonnage quote above, which is essentially above the 4680 level, will be duplicated by the completion of the present exploration program. It is similarly expected that the average grade of 2.44% copper will be maintained.

Flotation recovery studies are now underway.

SILVER SUMMIT MINING CO. LTD.

FUNDS FROM RENEWED OFFERING - Estimated proceeds of \$172,752 from a public share offering **SCHEDULED FOR SILVER PROSPECT** by Silver Summit Mining Co. Ltd. (see box) are to be used to defray general corporate expenses and to carry out as much as possible of the \$180,000 program recommended by J.A. Mitchell, P.Eng., in his report dated

Corporate Structure

Inc.: B.C. 16Jun65; public 28Jun66.
H.O.: 250 Victoria St., Kamloops, B.C.
Reg. Off.: 534-789 W. Pender, Vancouver.
Auditors: Rudd, Gould & Elliott, Kamloops.
T.A. & Reg.: Commonwealth Trust Co., Vancouver.
Auth. Cap.: 5,384,800 shs., no par.
Shares Issued:

For properties	750,000
For Services	47,000
For Cash	662,906
Being 371,800 at 10¢	
250,000 at 30¢	
41,106 at 60¢	

Current offer by 31July69 prospectus at 60¢ per sh. to net 45¢ for \$172,752 to company 383,894
 Total issued if current offer fully subscribed 1,843,800

Financial Position: In eleven months to 31 Mar69, \$3,045 was spent on exploration, \$22,690 on admin. and \$15,000 buying 60,000 shs. of Criss Creek Mines Ltd. and \$22,850 received from sale of 41,106 treasury shs. At 31Mar69, work. cap. deficit was \$15,988 and non-current shareholders' loans \$10,000.

The company intends paying directors and senior officers a maximum remuneration of \$750 per month during fiscal year ending 31Mar70.

Directors: R.E.C. Richards, pres. (of Osoyoos, B.C.) and A.F. Jefferey, vice-pres.; Colin Campbell, sec.; R. Ottam; A. Kalten; P.J. Millward; M.G. Phillips and Peter Wing (all of Kamloops).

Promoters: The directors.

Principal Shareholders: Director Jeffery 301,111 shs., L.R. Root 273,660 shs.

construction to the Ann claims.

Through a wholly-owned subsidiary, Ferex Mining Ltd., the company holds the 16-claim Pak group also in the Mobbs Creek area. Clear title is now held to all the Ann and Pak claims.

Silver Summit vended several claims some 15 miles N of the W end of Kamloops Lake, B.C. to Criss Creek Mines Ltd. for 375,000 shares and bought 60,000 shares at 25¢ per share. (See GCNL 156, 15July69 for review of Criss Creek's recent prospectus).

ALWIN MINING COMPANY LTD.

FINANCIAL STATEMENTS - Alwin Mining Company Ltd., during the year ended 30June69, spent \$453,435 on the exploration & development of the O.K. and I.O.U. Highland Valley, B.C. ground and \$39,708 on administration. Interest earned during the period was \$10,735. As at 30June69, current assets were \$356,669, current liabilities \$122,946 and advance on financing of exploration program \$230,000. At June 30, 1969, there were 2,575,003 shares issued of the 3,000,000 shares authorized. (See GCNL No. 204 for property progress).

Since 30June, as noted in GCNL 173, 6Aug69, Combined Capital Resources Ltd. (CCR) converted that \$230,000 advance into 100,000 shares and also was granted an extension on its option to advance \$250,000, originally due 31 July, so that it is now due 30Sep69. The pertinent agreement, reported in GCNL 23, 3Feb69, entailed a loan of \$210,000 forthwith, one of \$230,000 due 30Apr69 and one of \$250,000 due 31Jul69, all originally to be from Nippon Mining Co. Ltd. and convertible at Nippon's option into a total of 300,000 shares at \$2.10, \$2.30 and \$2.50 per share respectively. By amendments noted in GCNL 29 (11Feb69) and 95 (2May69), Nippon assigned half the rights attending the \$210,000 loan to CCR and they converted their portions into 50,000 shares each. Also, Nippon assigned full rights in the remaining two options to CCR.

FOR THE RECORD

Rimrock Mining Corporation Limited shares were called for trading on the Interim Listing Board of the Vancouver Stock Exchange at the opening on 19Sep69. Of 5,000,000 no par shares authorized, 1,905,007 shares are issued, including 975,000 shares in escrow. Transfer agent is Guaranty Trust Company of Canada and trading symbol is RRKX.

ALWIN MINING COMPANY LTD.

PROGRESS AT HIGHLAND
VALLEY COPPER MINE REVIEWED

- Surface diamond drilling No. 1 anomaly at Alwin Mining Company's high-grade copper mine in the Highland Valley, continues to extend the mineralized vein structure system westerly

and add to ore reserves.

The current total strike length of 2,500 feet has been established and compares with 1,500 feet announced earlier. The west end of the structure is still open to extension. Old trenches and a short adit in this area disclose the same type of favourable mineralization as encountered in drilling in the east part of the structure.

The latest surface drill hole on this westerly extension, which will continue to a depth of 700 feet, has already intersected three previously determined ore zones. It will be followed by drilling on targets further to the west.

The continuity of high grade ore averaging 2.7% copper on the No. 1 anomaly was confirmed by the work.

A total of 19 miles of lines has been cut over part of the remainder of the Alwin claims block on which two further anomalies were revealed by I.P. surveys. Geochemical and magnetometer survey work will be started almost immediately in this virtually unexplored area of the property.

Alwin has let contracts covering a \$550,000 underground development program. Haste Mine Development Ltd., a subsidiary of the Cameron McCutcheon organization, has been awarded a contract to drive a total of 4,800 feet consisting of a 7 foot by 9 foot adit, a crosscut through the mineralized copper bearing structure, and drifts along the mineralized zones. Contracts are also being negotiated for the completion of 20,000 feet to 30,000 feet of underground diamond drilling. This advanced stage of Alwin's exploration program will commence shortly after the adit has been collared.

Alwin is now installing a diesel driven compressed air plant capable of providing 1,800 c.f.m., along with sufficient diesel electric generating equipment to supply power for ventilation and camp lighting. Accommodation is also being erected for a crew of 35, together with cookhouse and other facilities.

The company has arranged ample financing for the program.

Bacon & Crowhurst, Alwin's consulting engineers, are in charge of the program. President, Harold Jacques, states that the directors anticipate issuing "a highly satisfactory progress report" to shareholders on or before the second Annual Meeting in midsummer.

KIMBERLEY COPPER MINES LIMITED

KAMLOOPS PROGRAM EXPANDED
FOLLOWING ENCOURAGING REPORT

- Favourable results at the Kamloops property of Kimberley Copper Mines, 3½ miles south west of that city, C.C. Rollins, president, says the recommendations of Velocity Surveys

Limited call for a 2-stage program over the next 8 months. First stage calls for \$107,550 to delineate 4 zones of mineralization located by geo-chemical, I.P., trenching and percussion drilling. The second stage is designed to confirm the economic potential and \$287,000 has been recommended for this phase, contingent on first stage results.

Arrangements for new financing have been made.

In addition to the 4 zones to get detailed exploration, the consultants say that there are several areas indicated by geo-chemistry and geophysical methods as anomalous and that these should be investigated.

The report, signed by Clements T. Pasioka, B.Sc., geologist, for Velocity Surveys Limited, says the drilling and trenching to date have indicated several drill intersections and sections in trenches of obvious ore grade material, viz 0.58% copper, and several areas of marginal to sub-marginal grade. Problems were encountered in delineating individual mineralized structures due to the staggered or ladder-type structure, to heavy overburden in many areas, and due also to the highly fractured nature of the rock preventing completion of drill holes to their originally planned depth. However a coring technique using BQ wire lines with mud circulation was used with excellent results, that is, 95% core recovery.

The geologist gives results of an assortment of 15 selected specimens taken from recent trenches. Of these, one assayed 16.6% copper; another was 3.08%; 3 ranged from 2.58% to 2.90%; 9 ranged from 1.05% to 1.93% and the lowest was 0.58%.

The president points out that, due to the highly-fractured conditions of rocks to depths of more than 100 feet, the percussion drill had difficulty penetrating depths greater than 250 feet, thus impeding sub-surface investigations. He adds that widely-separated intersections of core of ore-grade material 0.5% showed in the drilling programme.

PATO CONSOLIDATED GOLD DREDGING LIMITED

THREE MONTHS TO MAR. 31:		1966	1967		1966	1967
Yardage dredged.....	6,763,000	6,415,000	Cost of bullion prod.	\$526,483	\$497,079	
Production- oz. fine gold	21,209	24,471	Admin. Sell. gen. exp.	50,461	62,582	
Value per year.....	11.97¢	14.49¢	Depreciation & depl.	127,908	127,038	
Bullion production....	\$929,996	\$955,433	Foreign exch. gain....	(1,201)	(19,805)	
Sale of invest. gain..	88,984	----	Colombian income taxes	91,750	138,776	
Dividend & other income	94,970	94,657	Total expenses	\$795,401	\$805,670	
Total income	\$1,113,950	\$1,050,090	NET INCOME	\$318,549	\$244,420	
			Earnings per share ...	9¢	7¢	

Two of the dredges were in very low grade ground and value per yard was below the average for the 1st quarter of 1967. This was largely offset by bonus being paid by the Colombian Govt. which is included in bullion production.

The zone appears to be at least 1500 ft. long starting at 5900 East, Hole 6837 as an intersection of .87% copper across 10 ft. which does not appear to line up with the main zone. Next line to the West is 5800 East on this line Hole 6728 intersected 3.8% over 19.7 ft. and 2.38% over 4.4 ft. in very close proximity. On fifth line 5700 East hole 67-23 intersected 1% copper across 8 ft. On the next line West which is 5600 East hole 6721 intersected 1.61% across 11.9 ft. and 2.94% across 25.6 ft. Also 4.59% across 13.7 ft. On the next line to the West, 5500 East hole 6720 intersected 1.78% across 6.6 ft. On the same line a hole drilled from the opposite direction in 67-2 intersected 4.03% across 7 ft. and 1.1% across 3.3 ft. These intersections appear to lie in a zone but do not necessarily line up exactly. On the next line to the West, 5400 East, hole 67-11 intersected 1.1% across 1.5 ft. and 7.24% across 3.4 ft. These values all appear to line up with the previously mentioned intersections. On the next line to the West, 5300 East, hole 679 intersected .90% copper over 9.5 ft. and 4.68% across 8.9 ft. and .77% across 5 ft. lining up fairly well with the values in 67-11. On the next line to the West, 5200 East, holes 678 and 6832 had several intersections across a width of 215 ft. horizontally which are as follows:-

4.01 % across 18 ft.
2.48 % across 7 ft.
.68 % across 2 ft.
1.11 % across 2 ft.
3.14 % across 5 ft.
2.71 % across 8 ft.
2.04 % across .8 ft.
1.54 % across 1.7 ft.
1.92 % across 6 ft.
5.37 % across 14.3 ft.

On the next line to the West 5100 East holes 8012 and possibly 67-6 intersected values across a plan width of 100 ft. rating as follows:-

.76% across 5 ft.
.60% across 8 ft.
1.94 % across 15 ft.
1.04% across 9 ft.
0.66% across 5.9 ft.
0.8% across 7.5 ft.

On line 52 East the value mentioned by .37% across 14.3 ft. was possibly in hole 675. On the next line to the West, namely 5000 East, holes A11, A9, A10 and 671 intersected the following values across a zone 130 ft. plan width.

1.65% over 5 ft.
2.63% over 41 ft.
.73 % over 10 ft.
2.04% over 24.4 ft.
4.07% over 4.2 ft.
2.62% over 30 ft.

On the next line to the West namely 4900 East in holes 6714 and 6713 two values were intersected which line up with the previous section namely 5.57% across 13.2 and 2.69% over 13.7. On the next line to the West namely 4800 East which is in line with the former glory hole workings hole 6730 and possibly 6726 and 6715 intersected more values all of which line up with the previously mentioned zone of values as follows:-

3.78% over 5 ft.
1.64% over 2.6 ft.
1.09% over 7.3 ft.

At the East end of the Glory hole mentioned before on line 4700 East hole 6816 intersected .8% over 8 ft. and .57% over 8 ft. This appears to be the main zone of values.

A second zone occurs to the south of the above mentioned main zone and starts at the south side of the aforementioned glory hole. In hole 6816 on line 4700 East the intersection was 2.30% across 15.5 ft. going to the East on line 4800 East in the same zone hole 6726 and possibly 6715 have a suggested vein intersected. Going to the East another 100 ft. on line 4900 East in hole 6714 an intersection of .32% across 9.1 ft. was obtained. On the next line to the East namely 5000 East in hole 6731 on the same South zone an intersection of 2.8% across 6.5 ft. was obtained and .62% across 10 ft. a re-evaluation of these results is shown on the plan as 3.19% across 41.2 ft. this appears to be the end at the present time of this South zone which is indicated by going to be 300 ft. long but may be intersected with further proposed holes on the Easterly extension. Drilling apparently is being done on the West side of the Glory hole at the present time. Hole 6854 and 6849 have been spotted on this zone on line 4400 East another hole 6847 is shown on line 4500 East but no values on these sections as shown on the plan. The plan does not show any values on the Easterly extension of the main zone beyond line 5900 East, of two holes namely 6839 and 6838 are they may not have been drilled as yet. On the East end of the zone the plan width, that is the horizontal width, of the zone as shown on the Allwyn Mining Diamond Drill Plan is as follows:-

5800 East	40 ft.
5700 East	5 ft.

5600 East

57 ft.

5500 East

5 ft. and 5 ft. and 2 ft.
The zone appears to split up at this point.

5400 East the zone is

17 ft. wide.

5300 ft. East there are two zones the one that lines up with the previously mentioned intersections is 15 ft. wide. The zone that lines up with the Glory hole lies 30 ft. to the South and is 4 ft. wide. On line 5200 East the zone that lines up with the intersections mentioned before to the East is about 40 ft. wide. The South zone lining up with the Glory hole is split into several narrow intersections probably 72 ft. wide. A further South intersection Line 40 ft. South is 18 ft. wide. On line 5100 East there are several intersections that tend to line up in a zone at least 100 ft. wide. On line 5000 ft. East there are similarly several zones which tend to line up across a width of 130 ft. on the main zone. On line 4900 East the zone narrows to about 15 ft. On line 4800 East the zone appears to be off-set slightly to the North and is 40 ft. wide. The next zone on line 4700 is at the end of the Glory hole and appears to be about 15 ft. wide. The zone extends from 400 South to 200 South at the East end to a point 600 South and 400 South on line 4600 East. The first mentioned co-ordinates of 400 and 200 South were on line 60 East. The mineralized zone in hole 67-1 around 155 to 170 has considerable showing and seirtization associated with the copper mineralization in a deshone type intrusive with case bar alteration. Hole 676 there is a distinct alteration zone associated with the copper mineralization it is largely Quartz, Calcopryrite and Seirtizes. Where the Rock ^{is} ~~is~~ unaltered there appears to be only ^{K-spar} ~~case-bar~~ alteration and sparce dark minerals with practically no copper mineralization within a very short distance of the good copper mineralized zones. There appears to be a loss of fabric intensuing and Kaolinization as the ore intersections are approached within 5 ft. of the actual mineral. The above remarks were especially connected to hole 67-16. Similar situation exists in hole 67-28. Minor amounts of possibly chalcocite were noted in hole 6728. The main copper mineralization is Chalcopyrite, there is a distinct greenish alteration with this mineral. Hole 6719 has a grade of about .45 between 250 and 315. The Engineer in charge on this property is Roy Embree the Radio to the ^{Alway} ~~Ore~~ Mining Camp is through Merit BC No. ~~AMCO~~.

We did not see cross sections of the diamond drilling on this trip. It would be interesting to see the continuity of the lower sections in vertical section across the property also in longitudinal.

There are two ore specimens size E from Hole 67-6 and one ore specimen size A from hole 6716.

CANADIAN WESTERN NATURAL GAS COMPANY LIMITED**EXPANSION TO CONTINUE IN 1968 TO COPE WITH
GROWTH IN CUSTOMERS AND NEW USES FOR GAS**

- After spending \$21.8 million in capital expansion over the past five years, Canadian Western Natural Gas Co. has

budgeted for further capital expenditures in 1968 estimated at \$4,100,000. This includes \$1,000,000 for production and transmission improvements, \$1,200,000 for extension of rural services, and \$1,000,000 for facilities and extensions to serve new urban customers.

As noted below, net earnings per ordinary share in 1967 were \$1.25 vs \$1.33 in 1966. The decline is attributed in part to warmer average temperature and in part to increased operating expenses and to the interest cost involved in raising \$7 million for capital purposes in 1967.

Funds generated were \$4,486,558 vs \$4,450,106 in 1966. Working capital was increased by \$4,425,269 during 1967 to a total of \$2,150,092 at December 31, 1967, vs a working capital deficiency of \$2,275,177 at the end of 1966.

The report says Canadian Western has virtually 100% saturation with respect to space heating and water heating in the 88 communities served in Southern Alberta; that sales to industrial customers continue to show steady growth. Relatively new uses for gas include metal cutting, make-up air heating, introduction of infra-red food warmers to provide a new technique for use in commercial cooking and large volume cooking.

Large projects now in the planning stages are expected to sustain growth in commercial gas sales through 1968.

International Utilities Corporation holds 87.7% of the ordinary shares of Canadian Western. At year end, the company also had 3,431 preferred and 2,185 ordinary shareholders of which 98.6% of the preferred and 98.4% of the ordinary were residents of Canada.

Five Year Progress Summary
(In thousands of dollars)

	1967	1966	1965	1964	1963
Revenue	\$22,001	\$21,728	\$20,876	\$18,870	\$17,497
Net income	2,667	2,889	2,935	2,609	2,325
Net income per ordinary share	\$1.25	\$1.33	\$1.40	\$1.22	\$1.06
Gross additions to plant.....	5,171	5,677	2,641	2,304	2,829

NORTHWESTERN UTILITIES, LIMITED

PLANT ADDITIONS IN 1968 - Northwestern Utilities, Limited reports continued growth in
ESTIMATED AT \$5,000,000 its business in north-central Alberta with new highs both in gas sales and revenues.

Capital expansion in 1968 is expected to reach \$5,000,000, including \$2,200,000 to extend gas service to some 1,500 rural customers. In addition the company expects to add 3,900 other customers to the system through extensions in the 103 communities served. Capital expenditures in 1967 totalled \$4,267,000, bringing the total for the past 5 years to \$21,807,000.

Although residential and commercial sales were adversely affected by warmer average weather than in 1966, and warmer than the long-term average, gas sales gained by 8.4% due to increased industrial sales and to a short term sale of 4.9 billion cubic feet to Great Canadian Oil Sands Ltd. for use during start up of their tar sands oil recovery project. Also, sales to City of Edmonton Power Plant, amounting to 1.4 billion cubic feet more than in 1966, were of a temporary character.

Earnings per common share were \$1.67 vs \$1.86 in 1966, reflecting higher operating costs, including depreciation and taxes. The higher costs were largely due to the buying of \$1,455,451 more gas for resale than in 1966, partially offset by a decline in the provision for income taxes. The need to raise \$5,000,000 for capital purposes increased interest expense by \$143,682.

The large increase in purchase gas costs was due to the much increased production of oil and hence natural gas from the various fields connected to the company's system arising from the Middle East Crisis. Under Northwestern's contracts, this oilfield gas had to be accepted in place of its own less expensive reserves.

Five Year Progress Summary **

Revenue	\$27,161	\$26,066	\$24,809	\$22,354	\$20,745
Net income	3,262	3,589	3,915	3,256	3,009
Net income per ordinary share	\$1.67	\$1.86	\$2.06	\$1.67	\$1.52
Gross additions to plant.....	4,268	3,272	5,336	3,155	5,782

** In thousands of dollars.

ALWIN MINING COMPANY LIMITED**NEW DIRECTOR APPOINTED**

- J.A.C. Ross, P. Eng., prominent mining man and consulting engineer, has been appointed a director of Alwin Mining Company Limited. Mr. Ross was active in the early stages of exploration, development and production at Bethlehem Copper Corp. and Western Mines and, prior to these companies, he was with Granby Mining Company for ten years. Other directors are: Harold E. Jacques, Bernard L. Belec and Kenneth B. Farris.

Alwin Mining is continuing the exploration and development of its highgrade copper property at Highland Valley, B.C.

12/68

MINING REPORTS

Alwin ✓

A feasibility study will soon be undertaken for Alwin Mining Co. Ltd. to determine the most efficient mill capacity and plant construction factors at its Highland Valley copper property, H. E. Jacques, president, has announced.

He stated that ore reserves are increasing as drilling progresses on a three-shift basis, and that an encouraging silver content is increasing in grade, from one to six ounces per ton.

Jacques said that discussions are taking place with several large interests regarding major financing or participation arrangements, including ore sale contracts.

Cons. Skeena ✓

The annual report of Consolidated Skeena Mines Ltd. emphasized its activity in the Uranium City area of Saskatchewan where the Vancouver-based company has eight claim blocks totalling 985 claims over 38,628 acres.

Exploration, aerial and ground, cost about \$26,000 during the past year. The company has received approval of the Saskatchewan government, which shares exploration costs, to undertake a diamond drilling program this year at a cost of about \$80,000. Saskatchewan refunds 50 per cent of approved exploration up to an annual total of \$100,000.

Consolidated Skeena entered into an underwriting agreement with Louisa Holdings Ltd. of Toronto and Continental Investments Ltd. of Vancouver for funds to finance the Uranium City exploration. The first 200,000 shares at 60 cents were taken up in October, but subsequently options for 400,000 shares at 80 and 70 cents were not exercised.

F. A. McGonigle, president, reported on property leased by the company to Bio-Metals Ltd. for leaching operations. He said production of copper on a tune-up basis started in November, and an estimated 2,425 pounds of 70 per cent copper was produced through December. A trial shipment of the copper cement was shipped to a Japanese smelter.

In an instrument of proxy

solicited on behalf of the management, the names of Leon N. Hickernell, Harvey McDiarmid, McGonigle and Martin G. Kemp for election to the board were listed. Not included in the recommendations were present members Dantes Pagliaro, Richard Lennie and Murray Pezim.

Taylor Bridge ✓

Drilling will start early in March on a copper-nickel prospect in the Lac La Ronge area optioned by Taylor (Bridge River) Mines Ltd., reports R. R. Taylor, president.

Consulting engineer Joseph Sullivan recommended drilling four holes totalling 2,000 to 2,500 feet at an estimated cost of \$28,000, including camp costs, supervision and engineering.

The chief anomalous zone covers approximately 24 acres and has a maximum length of 4,200 feet. Rock samples taken from separate outcrops along the base line showed copper and nickel values.

Norex Uranium -

A total of 25 uranium claims were staked by a 17 man crew from Norex Uranium Ltd. in the vicinity of Lake Athabasca, Sask. when the area was made available for staking on Feb. 1.

The staking plan involved an elaborate countdown system, first by radio signal and then by dynamite blast, strategic placement of personnel, an engineer's calculations regarding the speed of sound, and aircraft and snowmobiles ready for the run to the recording office in Uranium City, 20 miles to the southwest.

Three other groups also went to the site to go after the surrounding area. One was a nine-man team; the others consisted of two-man teams.

The company holds a 100 acre uranium prospect on Stewart Island and wanted to stake the surrounding area and Lake Athabasca shore front around the island.

Norex now holds 343 claims in the Stewart River area, and two other uranium prospects. One is south of Cracking Stone peninsula in Lake Athabasca and

the other is 12 miles east of Uranium City in the Stephens Lake-Oldman area.

Royal American -

Financial arrangements have been completed by Royal American Petroleum Ltd. for an extensive drilling program in the Bistcho Lake area of northwest Alberta, reports J. F. Milner, president.

A total of \$468,500 has been raised, of which \$230,000 came from an underwriting at \$1.10 a share, 40,000 shares were purchased by a California group, and the balance came from a production loan of \$150,000.

The company will start drilling this month in the oil area north of Bistcho Lake, where Royal American holds an interest in 17,280 acres of lease land.

Largo ✓

Largo Mines has acquired a 7½ per cent interest in a sulphur exploration venture in the Prince Albert, Sask., area which is headed by Golden Eagle Oil and Gas Co., says Largo president B. I. Nesbitt.

He said the budget for acquiring the 98,000-acre mineral prospecting permit, the 46,000-acre oil and gas rights and the drilling of a well to 2,100 feet is \$45,000. Largo will pay 10 per cent of the cost, or \$4,500.

Milestone -

Milestone Mines Ltd. will start diamond drill testing anomaly targets on its 48 claims in the Cariboo. The claims are southeast of Quesnel and three miles from the Cariboo Bell property.

The company, as result of a public issue of shares, has \$50,000 in the treasury.

Exploration to date by geo-physical and soil sampling methods has located five major trends within which there are a series of anomalous-conductive zones associated with copper mineralization on the surface. Best grades encountered so far in trenching are 0.49 per cent copper.

Directors are: Y. S. Wakita, Revelstoke, president; Dominic Ciarniello, Vancouver, secretary-treasurer; G. A. Day, F. H. Day, Stanley Bjornson, Kelowna and Bruno Sammartino, Vernon.

Cyprus Mines Corp.,
#822, 510 W. Hastings,
Vancouver 2, B.C.
Attn: D. W. Tally, P. Eng.,
6/12/67

examiner

VOL. 2, NO. 6

SATURDAY, FEBRUARY 10, 1968

25c

ALWIN TO PLAN MINE

Enough high grade ore to sustain new copper mine, says president

Alwin Mining Company Ltd. is now laying plans for the ultimate development and production stage on its Highland Valley copper property, company president H. E. Jacques announced late this week.

He said there are enough "high grade ore reserves already established to sustain a profitable new copper mine" on Alwin's 35 claim block, midway between Bethlehem Copper and Lornex.

Mr. Jacques said a feasibility study will soon be launched to determine the most efficient mill capacity, staff housing requirements and plant construction factors.

Interviews are underway to hire an experienced resident mine manager, he added.

"Ore reserves continue to increase as drilling progresses on a three shift basis," he said.

"High grade ore is consistent in deep holes as well as in new extensions to the main discovery zone.

Some 8,000 feet of diamond drilling had been completed when the consulting engineers, J. Foster Irwin Engineering & Management Services Ltd., issued a report Jan. 16 disclosing 1,245,000 tons of 2.7 per cent copper.

The Examiner understands that an additional 6,000 feet already drilled since then will increase reserves to over 2,000,000 tons.

A new report by the engineers on tonnages and values is now being prepared and should be released before the end of the month.

Mr. Jacques also announced that an "encouraging" silver content is increasing in grade, ranging from one to six ounces per ton.

"This," he said, "presents exciting plus valuable potential for Alwin's projected overall operation."

Mr. Jacques confirmed current rumors that discussions are taking place with several large national and international interests regarding major financing.

These discussions include participations, arrangements and ore sale contracts.

"At the moment it would be premature to disclose names involved in these confidential discussions," he added.

"Negotiations to this end will be concluded when all factors are determined by the company and its advisors in the best interests of the shareholders.

Mr. Jacques said recent underwriting will provide adequate financing for the continued drilling and underground development program.

CHURCHILL COPPER

FIRTH

ALVIN MINING COMPANY LTD.

FEASIBILITY STUDY AND DISCUSSIONS - WITH MAJORS UNDERWAY AND PLANNED - H.E.Jacques, president of Alvin Mining Company Ltd., has stated in a Feb.8,1968, letter to shareholders that the diamond drilling program on the Highland

Valley property is continuing to expand reserves both to depth and along the extensions. A feasibility study will be undertaken in the near future, he stated. The drilling has returned a silver content to the ore of from one ounce to six ounces per ton.

The company has interviewed a number of potential mine managers and an announcement of the appointment is expected in the next few months.

An up dating of the ore reserves is being calculated by the company's geologist, J.Foster Irwin.

The president also stated that negotiations are underway with a number of large interests regarding major financing and concentrate sales contracts.

AMALGAMATED RESOURCES LTD.

ADDITIONAL WORK RECOMMENDED FOR ASPEN GROVE PROPERTY - Amalgamated Resources Ltd. has reported that the induced polarization survey on the Porcupine claim group near Aspen Grove, B.C., has revealed a number of anomalous areas. Three of these anomalous areas have been confirmed by soil sampling.

The old shaft on the property has been sampled a number of times in the past ten years to give grades of between 1% and 2% copper. Diamond drilling by Amalgamated Resources has given some assays as good as those from the shaft.

The company states, "A projected geological estimate as to how much copper ore could possibly be present in the formation exposed in the shaft encountered in trenching and out by drill holes is approximately 500,000 tons of 1.9% copper ore.

"Anomalies discovered in the Porcupine group of claims increase the potential of the property and it is now recommended that the confirmation of the copper ore bodies be attempted by additional diamond drilling."

FOR THE RECORD

The Vancouver Society of Financial Analysts will hear Ralph T.Cunningham, president of Cunningham Drug Stores Ltd., at a Feb.14,1968, luncheon meeting in the Georgia Hotel, at 12:15.

Terma Mining and Explorations Ltd. has called tenders for a 500 foot two compartment shaft at the company's property on the Camsell River property near Great Bear Lake, N.W.T. The company office is at 8621 - 109th St., Edmonton. Tenders are to close Feb.20,1968, and contractors are required to start work immediately.

M.Loeb Limited has reported that more than 67% of the issued shares of Shoppers City Ltd. have been deposited with the Royal Trust Company pursuant to an offer made by M.Loeb Ltd. on January 12,1968. The Royal Trust Company will take up and pay for all shares deposited as soon as possible and it is expected that the cheques will be mailed to shareholders on Feb.13,1968. The offer remains open until May 15,1968, and M.Loeb Ltd. will continue to take up shares deposited before that time.

Inspiration Limited has declared a dividend of 37.5¢ on the \$1.50 preferred shares payable March 1,1968, record Feb.15,1968.

Taylor(Bridge River) Mines Ltd. has reported that a 60 day extension has been granted to McDermid, Miller & McDermid Ltd. and the options are now following the extensions: 100,000 shares at 35¢ due April 15,1968, 100,000 shares at 45¢ due July 14,1968.

J.H.MONTGOMERY, Ph.D., P.Eng. - OPENS CONSULTING OFFICE

GEOLOGIST OPENS VANCOUVER OFFICE - J.H.Montgomery, Ph.D., P.Eng., has recently opened an office as a consulting geological engineer at 815-837 West Hastings St., Vancouver 1, B.C. telephone 685-3931.

He obtained his doctorate from the University of British Columbia with a thesis on the Copper Mountain intrusions near Princeton, B.C. He is a member of the B.C. Association of Professional Engineers, the Mineralogical Association of Canada and the American Geophysical Union.

During the past four years, as a principal in Meridian Exploration Syndicate, he has been engaged in exploration and property development mainly in Western Canada and northwestern U.S.A.

Weldwood of Canada Limited has reported that the purchase of 8.75 billion board feet of timber in southeast Alaska by the parent company, U.S.Plywood-Champion Papers Inc. at a price of \$5.65 per thousand board feet, will have no relation to or any effect on Weldwood's Cariboo Pulp & Paper project near Quesnel, B.C.

MINING AND EXPLORATION

Alwin

Ore reserves of 1,246,000 tons of copper grading 2.7 per cent copper have been outlined by 27 drill holes at the Highland Valley property of Alwin Mining Co. Ltd., a progress report by consulting engineer J. F. Irwin reveals.

He estimates a smelter value of \$26,914,000, based on copper at 40 cents a pound. Indicated low grade tonnage is 3 million tons grading 1.29 per cent copper, with a net smelter value of \$30,960,000.

The 27 drill holes represent 8,000 feet of drilling to a depth of 350 feet. Ore values continue to improve with depth.

Two promising geophysical anomalies have yet to be drilled, Irwin reports. He says that good possibilities still exist for a high tonnage low grade deposit, both within the zone under investigation and on the two remote anomalies yet to be explored.

Diamond drilling has been resumed at the property in the Uranium City area where some encouragement has been encountered.

SILVER CUP MINES LTD.

PROPERTIES IN SMITHERS AREA - Silver Cup Mines Ltd. owns or has optioned 3 claim groups in west central British Columbia. In each case, W.R.Newman, Ph.D., P.Eng., has advised that follow up work on known mineralized occurrences is warranted and had recommended specific programs. If carried out as proposed, the 3 programs would require a total of \$102,300.

The company, promoted and directed by residents of Smithers, has optioned the Topley group, 39 miles southeast of that town, to H.Hagman under an agreement whereby he could acquire an interest. For a \$49,500 program recommended for the Bonanza Mountain group, 26 miles southwest of Smithers, and for a \$22,000 program recommended for the Nanika Lake group, 78 miles southwest of Smithers, the company has arranged for public financing.

Silver Cup Mines, by prospectus dated July 25,1967, offers 350,000 treasury shares priced at 30¢ per share less 7.5¢ per share commission to net, if all sold, \$73,250.

The Topley property is stated in the consultant's summary to have 2 sets of flat-dipping quartz veins traced for 700 feet and 400 feet, respectively. He estimates the approximate average grade over 5.5 feet at 0.03 oz. gold per ton; 2.5 oz. silver per ton, 5% lead, 5% zinc, and 0.7% copper, and suggests that \$30,800 be provided for geological mapping and 2,000 feet of diamond drilling.

On the Bonanza Mountain property, he says the veins are of a lenticular nature and contain good grade gold, silver, lead, zinc and copper. In this case, he says further surface exploration and sampling are required following the necessary geological mapping to determine the character of the vein distribution. This would be followed by 2,000 feet of diamond drilling.

At the Nanika Lake claims, he says a new copper discovery has shown copper assays ranging from 0.47 to 0.56% copper over widths of 30 feet in the altered limited exposures found to date. In this case, he suggests prospecting, geological mapping, and surface trenching.

Silver Cup Mines Ltd., head office 61 Main St., Smithers, B.C., was incorporated in B.C., Jan. 11,1965, and was converted to public status on April 19,1967. As presently constituted, it has authorized capital of 3,000,000 shares, no par. Prior to the first public offering, 1,122,950 shares were issued including 750,000 for properties and 372,950 for \$52,910 cash. As at June 30,1967, the company had paid \$2,125 cash on account of property options and has spent \$34,571 on deferred exploration and administration, and \$6,643 on equipment. Silver Cup had disposed of certain mining equipment and claims to Northwestern Midland Development Co. Ltd. in 1965, payable by the latter over 5 years at 10% of net production with annual minimum payments of \$2,000. To June 30,1967, \$10,000 had been received on this agreement.

Silver Cup Mines had working capital deficit at June 30,1967, of \$4,223.

Directors are L.W.Perry, barrister; A.G.Wall, businessman; J.J.Herman, retired; W.R.Eby, businessman; W.A.Rennison, retired; and D.E.Roumieu, accountant; all of Smithers, B.C.

ALWIN MINING COMPANY LIMITED

FURTHER INFORMATION ON - Following is the text of a progress report on the Alwin Mining ORE RESERVE ESTIMATES Company Limited property in the Highland Valley area of B.C. The report is dated January 16,1968, and was prepared by the company geologist, J.Foster Irwin, P.Eng. "Potential of Alwin's new mine in the Highland Valley continues to improve as the diamond drilling program advances. From 27 diamond drill holes representing 8,000 feet of drilling ore outlined is now estimated at 3,560 tons per vertical foot to a depth of 350 feet grading 2.7% (recoverable) copper. The ore bed is still open at both ends along the strike. With investigations carried out to 350 feet in the vertical dimensions ore values continue to improve with depth. The tonnage factor of 3,560 tons per vertical foot is based on a grade cut-off of 0.5% copper.

"Outlined by the 27 drill holes assessed to date is 1,246,000 tons of copper ore grading 2.7% copper, with a net smelter value of \$26,914,000 (based on copper at 40¢ per lbs.) Indicated low grade tonnage is 3,000,000 tons grading at 1.29% copper with a net smelter value of \$30,960,000 (based on 40¢ per pound for copper).

"Two promising geophysical anomalies have yet to be drilled. Good possibilities still exist for a high tonnage low grade deposit, both within the zone under investigation and on the two remote anomalies yet to be explored.

"After a three week shut down for the Christmas season, diamond drilling has resumed in the Uranium City area on the uranium prospect where some encouragement has been encountered.

Since the calculation was made, drilling has continued and a total of 36 holes have now been completed and drilling is continuing to test the structure both at depth and for extensions in either direction, east and west.

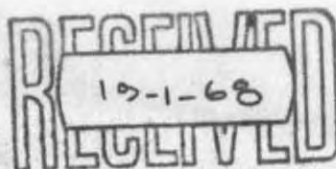
A contract was recently issued to Longyear of Canada for 5,000 feet of further drilling. The company has two diamond drills working three shifts.

As reported recently, S.H.Lennard & Co.Ltd. has completed the purchase of the February 18,1968, option covering 150,000 shares at \$1.50. There is now a total of \$350,000 in the company treasury which is adequate for the present phase of work on both properties.

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NO.13(1968)

JANUARY 19,1968



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JANUARY 19,1968

WESTERN CANADIAN INVESTMENTS

DENISON MINES LIMITED

NEW SALES PROSPECTS AND
HIGHER PROFITS SHOWN BY
ANNUAL REPORT TO DEC.31,1967

- Denison Mines Limited, reporting a net profit of \$9,900,000 in the annual report for the year ended Dec.31,1967, states that negotiations are underway on new uranium sales contracts. Stephen B.Roman, chairman and president, states that, during the year, the company concluded a contract with eight Japanese power companies for sale of not less than 21,000,000 pounds of U308 over a 10 year period - - the largest private commercial sale in the history of the uranium industry.

Mr.Roman stated "We believe that our policy of preparedness enables us, through long-term contracts, to offer advantages to industrial consumers which will effectively contribute to the stability of the market, both in price and supply."

The report says that it is expected two small contracts with private concerns in West Germany will be completed shortly.

Net profit of \$9.9 million, or \$2.21 per share, is up 16% from earnings in 1966 which equalled \$1.90 per share.

Mr Roman forecasts an acceleration in uranium demand and states that Denison is stepping up its own search for new ore sources. He also says that, at the company's Elliot Lake mine, there is a program under way to strengthen the company's competitive position and production capability.

Oil and gas income rose to \$1.9 million and investment revenue, at \$5.3 million, is up substantially. Revenue from the industrial division declined moderately. Shareholder's equity rose to \$16.67 per share from \$15.51 per share in 1966. Dividends amounting to \$1.40 per share were paid in 1967.

HENRIETTA MINES LTD.

RESULTS OF THE FIRST FIVE OF A FORTY-FIVE DRILL HOLE PROGRAM - H.Brodie Hicks, general manager of Henrietta Mines Ltd., has reported the results of the first five holes in a 45 diamond drill hole program to test a former silver producer near Silverton, Colorado. All of the holes have been drilled from the footwall side of the vein on the No.7 level which is at an elevation of 11,390 feet.

Drill and assay results for the first five holes:

No.1 hole, approximately horizontal - 7.8 feet grading 4.6 silver, 4.0% copper
No.2 hole, 180 feet below No.1 - 6.3 feet grading 4.4 silver, 5.8% copper
No.3 hole, 160 feet below No.1 intersected old workings or a cave and returned no core.
No.4 hole, 100 feet south of No.2 intersection encountered 10 feet of pyrite and gouge no core.
No.5 hole, 100 feet north No.2 intersection 5.4 feet of 4.4oz. silver, 1.0% copper. 2.5% lead.
No.5 is the first hole which has yielded significant lead values.

Mr.Hicks stated that the program was designed to confirm indicated ore reserves estimated above the No.7 level on which the work is being carried out and to explore a further 150 feet below the level.

Estimated possible ore reserves are set at 630,000 tons grading 0.029 oz. gold, 3.35 oz silver, 3.8% copper, on the basis of a careful analysis of the results of old exploration programs on the property and a recent sampling program of the old workings.

The No.10 level at an elevation of 11,000 feet, or about 390 feet below the No.7 level where the recent drilling is underway and the Mammoth tunnel at an elevation of 10,400 feet or 1,380 feet below the No.7 level, have been opened by cleaning out of the old workings. These old working did not reach the Henrietta structure at the lower levels and they will be used now to further explore it at these lower elevations.

The report states that no recent work has been done on the Surprise Chimney which is a separate structure located near the Henrietta zone. This work of exploration of the Surprise Chimney will be undertaken as soon as possible.

The old reports on the Surprise permit an ore estimate of 500,000 tons to the No.10 level grading 0.01 oz. gold, 4.83 oz. silver, 4.07% lead, 0.21% copper and 2.74% zinc.

ALWIN MINING COMPANY LTD.

+ New Ore Reserve Estimate Gives 1,246,000 tons of 2.7% copper Plus 3,000,000 tons 1.29%

J.Foster Irwin,P.Eng., company geologist for Alwin Mining Company Ltd., has prepared a new ore reserve estimate on the basis of 27 holes which were completed on the Highland Valley property late in December,1967. The 8,000 feet of drilling, to a depth of 350 feet, gives a recoverable grade of 2.7% copper on 1,246,000 tons with a net smelter value estimated at \$26,914,000. Lower grade reserves are estimated at 3,000,000 tons of 1.29% copper. The zone of mineralization is open to depth and to the east and west. Drill testing is continuing.(For Further Information, See GCNL No.14,Jan.22,1968)

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COIN EXPLORATIONS LTD.

PORTAL SITE ESTABLISHED - Coin Explorations Ltd. has reported that work is progressing on the development of the Kroc Mine near Ainsworth in the Slocan Mining Division B.C. A D-3 cut is engaged in surface stripping the vein structures to establish suitable portal sites for underground development. This work is being done in the area where high grade mineralization was recently uncovered.

Upon completion of the Kroc surface program, a road will be constructed into the Brian Mine in the same area. Plans call for extending the No. 2 level with connecting raises to be driven up to the No. 3 level. All development at the Brian Mine will be done on the established vein system that was under development during the early part of the century.

FOR THE RECORD

Copper-Man Mines Limited has reported that the first deep drill hole put down by Western Nuclear Mines Limited under its exploration agreement with Copper-Man Mines Limited to test the grade and continuity of the 'A' zone on Copper-Man Mine's Wekusko Lake area property in Manitoba has returned a 35.5 foot section averaging 2.27% copper and 1.53% zinc.

The hole cut the section at an approximate vertical depth of 640 feet.

Included in the section are two high grade sections which were cut from a core length of 663.5 feet. Of these, a 9 foot section averaged 5.01% copper and 2.65% zinc; and a 12 foot section averaged 4.21% copper and 2.61% zinc.

The second hole, CM-2, is currently drilling.

Blue Crown Petroleum Ltd. of Edmonton holds a 10% net carried interest in a 5,228 acre petroleum and natural gas lease in the Kwikwullie Lake area of northwestern British Columbia on which Pacific Petroleum Ltd. has licensed an exploratory well, "Pacific Peggo 1-83-D". The Kwikwullie Lake area is situated approximately 20 miles northeast of the Kotoho Lake field and 50 miles west-northwest of the Zama field of northwestern Alberta. The well will be drilled to approximately 7,000 feet. If it is productive, Blue Crown will derive 10% of production after drilling and other expenses have been deducted.

Annmar Mining Ltd. has received registration under the B.C. Securities Act covering the sale of 100,000 shares at 50¢ per share under a prospectus dated December 12, 1967.

Island Tug & Barge Limited will pay a dividend of 25¢ per 5% cumulative participating redeemable preference share on Feb. 1, record Jan. 19, 1968.

B.C. COMPANIES ACT

Branta Explorations Ltd. was incorporated as a B.C. company on Dec. 22, 1967, with registered office at 846 West Hastings St., Vancouver, and authorized capital of 5,000,000 common shares of 50¢ par value.

Abatis Exploration Limited has registered within B.C. as an extra-provincial company with head office outside B.C. at 1143-17th Avenue Southwest, Calgary, Alberta, and head office within B.C. in care of Alex M. Shkuratoff, barrister and solicitor, 318 Reid St., Quesnel. Paid-up capital of the company is \$200.

Calgary Crude Oil Limited has registered as an extra-provincial company within B.C. with head office outside B.C. in care of McLaws & Company, 6th Floor, 407 Eighth Avenue Southwest, Calgary, Alberta, and head office within B.C. in care of Farris, Farris, Vaughan, Taggart & Co., 15th Floor, 510 West Hastings St., Vancouver 2. Paid-up capital of the company is \$3,000.

Stampede Oils Ltd. has registered within B.C. as an extra-provincial company with head office outside B.C. at 101-627 Sixth Avenue Southwest, Calgary, Alberta, and head office within B.C. at 404-510 West Hastings St., Vancouver 2. Paid-up capital is \$377,503.

United Newmont Mines Ltd. did on December 21, 1967, change its name to Kerex Mines Ltd.

Lornex Mining Corporation Ltd. was on Dec. 18, 1967, converted from a specially limited company into a limited company with the name Lornex Mining Corporation Ltd.

Western Exploration Company, Limited was on Dec. 18, 1967, converted from a specially limited company into a limited company with the name Western

Exploration Company, Limited.

Cassiar Asbestos Corporation Limited did on Dec. 20, 1967, give notice that the company intended to apply for a lease on 265 acres on McDame Mountain and east of Mining claims 6524 and 6526 for the purpose of dumping waste rock blasted during mining operations.

Rolling Hill Copper Mines Ltd. has reported that Continental Securities Corp. Limited as to 25%, and a client as to 75%, have underwritten 200,000 shares at 30¢ per share and have optioned 200,000 shares at 40¢ due March 15, and 200,000 shares at 50¢ due May 14, 1968.

Alwin Mining Co. Ltd. has reported that S.H. Lennard & Co. Ltd. has exercised the final position of their February 18, 1967 underwriting, being 50,000 shares at \$1.50. There are no further options outstanding.

Foley Silver Mines Ltd.

MAJOR DEAL NOW IN FINAL NEGOTIATION - J.C. Foley, president of Foley Silver Mines Ltd., stated in a Jan. 4, 1968, letter to shareholders that on April 1, 1967, the company started a program of underground and surface exploration on the 46 claim group located on Stand To Hill, four miles north of Keno Hill in the Mayo Mining District of the Yukon.

As a result of the summer's operation, a major company with headquarters in New York City made an examination of the property in late summer. Subsequently, their board of directors gave approval to negotiate a senior participation agreement with Foley Silver Mines Ltd.

At the present time, these negotiations have proceeded to the final phase and Mr. Foley is hopeful that an official public release announcing the signing of the final draft can be made by Jan. 20, 1968, giving full details. (See GGNL NO. 186, Page Four, Sept. 25, 1967, for results of 1967 fieldwork)

Acroll Oil & Gas Ltd.

ARCTIC OIL LAND INTEREST - Acroll Oil & Gas Ltd. through merger with Trans-Western Oils Ltd. holds varying interests in 3,634,499 acres in the petroliferous areas of the Arctic Islands Canada. The total exploratory permits to which Acroll's interests apply are now 3,634,499 acres.

Acroll's Arctic interests are chiefly in the form of gross overriding royalties of from 1 1/2% to 3%.

One of the principal features in which Acroll now holds 25 gross overriding royalty is the 1,272,485 acres farmed out by Trans-Western to the Tricoflex Group comprised of British Petroleum, Clark Oil & Refining, Shelly Oil and Canada Southern. Tricoflex has contributed all that and other acreage to Panarctic holdings. Tricoflex's share of Acroll interest is on Axel Heiberg, the Northwest Bathurst Islands, Bathurst, Milne Bay, Milne Bay and Emerald Islands.

Panarctic's initial plan involves the spending of \$20,000,000 on exploration and drilling on the Islands.

Further impetus has been given to these first major efforts to develop production in the Islands by a number of companies outside of the Panarctic consortium. One of these is Petroper, a French government controlled company. Petroper holds from Acroll 1,694,383 acres on Mackenzie King and Borden Islands. Petroper has other holdings in various places throughout the Islands.

Petroper and a number of other strong companies have their own large programs on the Islands.

Mt. Agnes Mines Ltd.

WORK UNDERWAY ON THREE PROPERTIES - Mt. Agnes Mines Ltd. has reported that the detailed S.M. survey carried out by Seigel Associates Ltd. on the company's "Space" silver-lead prospect, five miles southwest of Barkerville, B.C., has indicated the presence of at least three interesting conductors lying beneath the mineralized area investigated. Arrangements are being made to commence drilling at an early date.

An aerial magnetometer survey completed by Seigel Associates on a second property, the nickel-copper prospect across the Fraser River from Giant Mine near Hope, outlined some interesting anomalous zones. These will be investigated by ground surveys.

Drilling has been recommenced at No. 2 site on Mt. Agnes' copper-sulfate iron property on Henderson Lake near Alberni canal on Vancouver Island.

FOR THE RECORD

Alwin Mining Company Limited has reported that S.H. Lennard & Co. Ltd. has exercised a further portion of the Feb. 18, 1968, option by the purchase of 50,000 shares at \$1.50 per share. There remains 50,000 shares under option at \$1.50 due Feb. 18, 1968. S.H. Lennard & Co. Ltd. has now exercised 100,000 shares of total option of 150,000 shares.

Arctic Mining & Exploration Limited has been advised that 200,000 shares have been released from escrow. The 200,000 shares are a portion of the 300,000 shares issued to Hans Willi in consideration of his loan to Arctic Mining & Exploration Limited of \$1,500,000 with which the company is constructing a 300 ton per day concentrator. Since \$1,000,000 of the total loan has now been advanced, the 200,000 shares have been released from escrow. There remains 100,000 shares in escrow.

Dundee Mines Ltd. has reported that 645,542 shares have been issued from the treasury to Welsh, Bird, Oliver and Mason in settlement of \$75,000 advanced by them to the company. The shares issued are in accordance with the Sept. 14, 1967 loan agreement with the company.

Lafarge Cement of North America Ltd. has issued 48,000 shares at \$15.50 to Ciments LaFarge S

Gill Interprovincial Lines Ltd. has reported that 10,457 shares have been issued in conversion of debentures and 2,000 shares have been issued by the exercise of employee stock options. There are now 463,953 shares issued.

Atlas Explorations Ltd. has reported that 10,000 shares have been issued in accordance with the exercise of an employee stock option by John S. Brock.

DARSI MINES LTD.

WASHINGTON AND PEACHLAND AREA CLAIMS TO BE EXPLORED

A.P. Fawley, P. Eng., consultant, has recommended exploration programs on two of Darsi Mines Ltd.'s properties, the 3 gold claim Pinnacle group, in Okanogan County, Washington; and the 90 copper-molybdenum claim Darsi and 12 claim Les Darsi group, about 13 miles west northwest of Peachland, B.C., and about 4 miles south of Brenda Mines Limited.

In a July 24, 1967 report, the consultant recommended that a 3-phase \$50,000 exploration program consisting of drilling two 500 foot holes, and extending the No. 3 adit to the strong gold-bearing quartz vein that has been worked on the upper levels, be carried out on the 3 claim Pinnacle group.

Under an August 31, 1967 agreement, Darsi Mines has an option to purchase the Pinnacle Mine property from the optionors, Ray Silver, Emt Twait, and W.J. Schildgen, all of Loomis, Washington. Under the agreement, Darsi Mines must start shipping ore to a smelter by April 30, 1969, and the optionors are to receive \$250,000 for the property from 12 1/2% net smelter returns.

The consultant, in a May 12, 1966 report, recommended a three-stage \$180,000 exploration program for the Darsi and Les-Darsi claims, at elevation of 2,500 to 5,000 feet. The first stage will consist of preliminary geological, geochemical and magnetometer surveys, claim surveying, and trenching, at cost of \$40,000.

Stage 2 will consist of an induced polarisation geophysical survey, costing \$15,000. If warranted, a minimum of \$25,000 will be required for a stage 3 preliminary diamond drilling program. A further \$100,000 should be available for a close drilling program to block out ore if favourable drilling results are obtained by preliminary drilling.

Recent exploration on the Darsi claim group discovered copper-lead-zinc-silver mineralization in a trench near Peachland Creek where a sample assayed 0.79% copper; 8.60% zinc; 0.66% lead; and 0.3 oz. silver per ton.

By prospectus dated Sept. 12, 1967, Darsi Mines offers for sale 200,000 shares at 65¢ per share, subject to a commission of 15¢ per share, to net the treasury \$100,000.

Darsi Mines Ltd. was incorporated on Feb. 10, 1966, with head office at 201-535 Howe St., and registered office at 1250-505 Burrard St., Vancouver.

Of authorized capital of 5,000,000 shares of 50¢ par value, 1,186,702 were issued, including 451,702 common shares issued for \$225,851 cash, and 735,000 for properties valued at \$367,500, and held in escrow.

As at May 31, 1967, current assets were \$12,548, and current liabilities \$941.

Directors are A.E. Morgan, secretary treasurer of Hotel and Restaurant Employees Union, Local 28; J.R. Corbett, managing director of B.C. Hotels Association; J.H. Cyr, manager, business development, Yorkshire Trust Company; Robert Young, manufacturers agent for Ryco Sales Ltd.; and T.H. Hara.

ALICE LAKE MINES LTD.

FUNDS ARRANGED FOR RECOMMENDED PROGRAM - Alexander H. Lenec, president of Alice Lake Mines Ltd., in submitting the annual report, outlines further work planned on properties in Yukon and in Burwash Creek area of N.W.T. The immediate program calls

for expenditure of an estimated \$25,300 to learn more regarding a nickel-copper showing on the Glen group in Burwash Creek area, as advised by Lee G. Morrison, P. Eng. This includes \$1,000 for geophysical detail for hole spotting and \$17,500 for 1,400 feet of AX diamond drilling. The consultant advised that additional funds in the order of \$50,000 should be made available for more detailed diamond drilling if the initial program is successful.

Also in Burwash Creek area, the company has the "Mary and Teddy" group on which Mr. Morrison describes an occurrence of 50% bornite in a vein averaging one foot wide exposed along a strike length of 20 feet and a depth of 60 feet. He says that the geological environment is not favourable for discovery of large bodies of milling grade copper ore, but that there is a good chance of finding more bornite lenses by means of an electromagnetic survey. A few thousand tons of this enriched sulphide would sustain a small but very profitable high-grading operation in his opinion. Detailed geophysical work and diamond drilling is planned for this group as weather conditions permit next spring.

At the Cowley Park claims in the Whitehorse copper belt, more detailed induced polarization work has been recommended. More geophysical work has been advised for the Carmack claims prior to a decision to drill. No more work is planned for the company's Pine Point claims in the immediate future. These claims are in good standing for some years.

Alice Lake Mines Ltd. has 3,000,000 shares authorized of which 750,000 were issued for properties and 435,000 were issued for \$136,479 cash. Expenditures from incorporation to Sept. 30, 1967, were \$149,875, leaving working capital deficit of \$13,396. Subsequently, reports Mr. Lenec, an underwriting was arranged with Davidson & Co. Ltd., Vancouver, of 200,000 shares at 30¢ net to the treasury to finance the work done and being done.

FOR THE RECORD

Alwin Mining Company Limited has reported that S.H. Lennard & Co. Ltd. have exercised a portion of the February 18, 1968, option covering 150,000 shares at \$1.50 per share by the purchase of 50,000 shares on December 28, 1967.

The balance of the option being 100,000 shares at \$1.50 per share due Feb. 18, 1968.

ALWIN MINING COMPANY LTD.

PRESIDENT REPORTS HIGHLAND VALLEY - Harold E.Jacques, president of Alwin Mining Company Ltd., in a November 20,1967, letter to shareholders states that twenty one holes have been drilled on the company's 25 claims, the O.K.-EZZ group, in the Highland Valley, B.C. He also states that diamond drilling has started on one of a number of targets in the Beaverlodge, Saskatchewan property.

Current drilling on the Highland Valley property is under contract to Cameron McCutcheon Drilling Ltd. which is presently in the midst of a \$50,000 contract. Work is being carried out from a fully winterized camp making use of two heavy duty wireline machines.

Company geologist, J.Foster Irwin, P.Eng., reviewed the results to Oct.14,1967, and recommended an additional 15,000 feet of drilling plus 2,000 feet of underground work at an estimated cost of \$230,000. On the basis of the results to Oct.14,1967, the geologists states, "From work to date, the indicated tonnage for the highgrade sections only, is 1,750 tons per vertical foot to a depth of 260 feet over an open strike length of 1,000 feet. A possible factor of 9,000 tons per vertical foot exists, for the same strike length and depth, grading 1.5% copper.

Two highgrade occurrences persist, within a zone width ranging from 70 feet to 120 feet. These highgrade occurrences grade from 2.5% to 10% in copper across true widths of 7 to 30 feet. Interspaced, both sides and between the highgrade intersections, are narrow intersections of massive chalcopyrite and wide sections of finely disseminated bornite. On occasion, the copper content of the zone under investigation may be averaged at 1.8% copper over a true width in excess of 100 feet. Molybdenum has been observed in the drill core but is not being assessed for economic significance at this stage."

By making use of the engineers figures, the president's report states that a reserve estimate of 455,000 tons of 4% copper can be calculated by taking the 1,750 tons per vertical foot to a depth of 260 feet. At 30¢ per pound copper, this tonnage has a gross value of \$10,920,000 and at 65¢ per pound copper the gross value is \$23,650,000.

By taking the larger zone, including the highgrade, and using 9,000 tons per vertical foot to 260 feet, a tonnage of 2,340,000 grading 1.5% copper is indicated with a gross value of \$21,060,000 at 30¢ copper and \$45,630,000 at 65¢ copper.

The president points out that the calculation is based on only eight of the 21 holes drilled to date and over a strike length of 1,000 feet which has been indicated to be a total of 3,000 feet by the induced polarization survey.

The current drilling is at 100 foot intervals with two holes at each station. The holes are designed to give a horizontal coverage of 250 feet to 350 feet and to a depth of 260 feet.

Alwin Mining Company Ltd. has let a second diamond drilling contract. The second contract was let to Boyles Bros. for approximately 3,500 feet on its Beaverlodge, Saskatchewan uranium properties. The drilling is based on the recently completed scintillometer and geological program which located several radioactive anomalies located along a marked topographic depression trending northeasterly from Betty Lake. The machines have been moved in and drilling is now underway.

Shares of Alwin were listed on the Vancouver Stock Exchange Nov.20,1967, See GCNL No. 225, page one, November 21,1967, for details of financing.

FALAISE LAKE MINES LTD.

FIRST DRILL RESULTS - Drilling to explore for the extension of good grade mineralization on the former producing properties held by Falaise Lake Mines Ltd. at Rossland, B.C., has produced its first assay results. M.E.Davis, president, has reported:

Hole No.1 intersected 10 feet assaying 1.04 oz. gold, 1.10 oz. silver, 4.40% copper

Hole No.2 cut a 30 foot section of lower grade mineralization plus,

Hole No.2 cut- also- a 10 foot section grading 0.21 oz. gold per ton, 0.82% copper.

The secondary target of the current program is the establishment of a substantial tonnage of lower grade mineralization which could be mined on a large tonnage basis.

Two diamond drilling machines are working two shifts and geophysical survey crews are presently testing the property with the geophysical work expected to be completed by the end of November.

The properties held by Falaise Lake Mines Ltd. have produced some 6,000,000 tons of direct shipping ore with a grade of 0.45 oz. gold, 0.60 oz. silver, 1.0% copper. Reserves established by the earlier operations and still in the mine available to a new operation are reported as approximately 100,000 tons. A total of eleven holes have been drilled to date with the assays received from only the first two. Additional assay results are expected shortly, the president stated.

George Cross News Letter

"Reliable Reporting"

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NOVEMBER 21, 1967

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WESTERN CANADIAN INVESTMENTS

WESTERN EXPLORATION COMPANY, LIMITED

DETAILS OF CALIFORNIA FINANCE COMPANY ACQUISITION

A special general meeting of shareholders of Western Exploration Company, Limited has been called for 2.00 p.m. December 5, 1967, in the Georgia Hotel, Vancouver, to consider

a series of resolutions providing for the acquisition of a Savings and Loan Company functioning in California, U.S.A.

To acquire the California corporation, Western Exploration Company Limited will consider increasing its authorized capital from 4,000,000 shares of 50¢ par value to 15,000,000 shares of \$1.00 par value. (There are presently 2,675,240 shares issued)

The articles of the company are to be changed to permit it to carry on the business of the company to be acquired.

Shareholders approval is being sought to the exercise of an option currently held by Western Exploration company and dated to expire December 15, 1967. The option covers the right to buy a minimum of 75% of the issued shares of Mendocino Financial Corporation from an Ontario holding company by the name of Avista Holdings Limited.

Mendocino Financial Corporation is a Nevada, U.S.A. holding company which has a subsidiary named Mendocino Lake Savings and Loan Association, which carries on business at Ukiah, California, approximately 100 miles from San Francisco.

Mendocino-Lake Savings and Loan Association reported total assets of \$40,513,500 as at June 30, 1967. These assets were made up of the following: cash in bank and U.S. Securities \$5,422,502; first deed of trust loans \$31,441,950 with the balance made up of other types of loans and real estate. The June 30, 1967, liabilities show: savings accounts \$36,720,575, advances from federal home loan bank \$742,282, undisbursed loan funds \$448,302, other liabilities \$488,568, specific reserves for unsecured loans \$50,000, specific loss reserve \$59,301, capital stock, surplus and reserves \$2,004,470.

If Western Exploration exercises its option on the 75% interest, then it has the right to buy a further 5% of the equity of Mendocino Financial Corporation for a total of 80% of the equity of the Corporation.

Western Exploration is to issue 6,600,000 treasury shares to acquire the 80% interest.

As a condition of the acquisition, not less than \$150,000 is to be paid to Western Exploration on an annual basis by the Mendocino Financial Corporation. These funds are to be used for further mining, petroleum and natural gas exploration by Western Exploration.

NADINA EXPLORATIONS LIMITED

KENNCO DEAL TERMINATED - W.F. McGowan, president of Nadina Explorations Limited, has reported that Kennco Exploration (Western) Limited have terminated their option covering the property located at Owen Lake, south of Houston, B.C.

PYRAMID MINING CO. LTD.

HOMESTAKE SILVER LIMITED

COMINCO LTD.

PYRAMID TAKES INTEREST

IN MOLLY GOBSON PROPERTY

Homestake Silver Limited has sold its main property the Molly Gibson to a new company named Molly Gibson Silver Limited, and Homestake will retain a 25% carried interest in the new company with Cominco Ltd. and Pyramid Mining having the right to earn up to 75% of the new company by providing future financing. Initially Homestake will own 60% of the new company and Cominco will own 40%. If \$1,000,000 is spent on development and if Cominco continues to provide its 40% of the future financing and if Pyramid continues to provide its share of the financing then when the \$1,000,000 has been spent: Cominco Ltd. will hold 40%, Pyramid will hold 35% and Homestake will hold 25% of the new company, Molly Gibson Silver Ltd.

As previously reported operations at the Molly Gibson have been terminated for the winter. The most recent property report stated that drifting on the 5,800 foot level encountered five ore shoots totalling 300 feet over an average width of 3.27 feet. The average grade is 10.47 oz. silver, 2.76% lead, 3.67% zinc. The mineralization also carries indicated recoverable values of manganese.

ALWIN MINING COMPANY LTD.

LISTED VSE NEW FINANCING - Alwin Mining Company Ltd. shares were posted for trading on the the Vancouver Stock Exchange on November 20, 1967. Of the 3,000,000 shares authorized, 1,615,003 shares are issued and 902,000 shares are held in escrow. Registrar and transfer agent is The Canada Trust Company and the ticker symbol is ALW. In conjunction with the posting for trading S.H. Lennard & Co. Ltd. underwrote 150,000 shares at \$1.25 per share and in consideration was granted an option on 150,000 shares at \$1.50 due Feb. 18, 1967. A progress report on the exploration in the Highland Valley and Beaverlodge area is expected shortly.

Mining and exploration

Merritt Copper

Merritt Copper Co. Ltd. has reported on No. 3 diamond drill hole in the current series of 28 holes planned to test a strike length of about 800 feet at the Nemieben Lake, Sask., nickel-copper property. Jarl Aa. B. Whist, president, said the hole intersected 70 feet grading 1.14 per cent combined nickel-copper. The bottom 40 feet averaged 1.66 per cent combined nickel-copper.

The No. 3 hole is approximately 200 feet east of the No. 1 hole which cut 50 feet averaging 1.52 per cent combined, including a five foot section grading 5.32 per cent combined. The second hole cut 80 feet averaging 0.93 per cent combined. The nickel-copper ratio is approximately two to one.

So far 13 holes, being eight

holes of approximately 175 feet to 200 feet long and five holes to 450 feet long, have been completed. The drilling program is to be expanded to test the zone to 1,000 feet of depth. It is designed to test the open-pit potential of the property and to prove tonnage of the higher grade material at the same time.

San Doh

San Doh Mines Ltd. reports that it has completed five holes and is drilling a sixth on the Vastlode property near Merritt.

Holes No. 2 and 3 had good grade assays of copper, lead, zinc and silver. It is believed that hole No. 1 cut only low grade mineralization in the hanging wall. Holes 4 and 5 are still to be assayed but appear as good as 2 and 3.

The series is designed to determine the strike and dip of the vein at comparatively shallow depth. These will be followed

by a line of vertical holes aimed to cut the vein at a depth of 150 to 200 feet. On their completion it is planned to drive one exploratory drift.

Peel Resources

Peel Resources Ltd. on behalf of Sheba Copper Mines Ltd. reports the location of two mineralized zones as a result of exploration work being carried out by Sumitomo Metal Mining Co. of Canada Ltd.

Major shareholders in Sheba are Peel, with 1,240,774 shares, Cassiar Consolidated with 705,663 shares and Sumitomo with 160,000 shares of 2,173,000 outstanding.

The first zone in the Sheba claims measures 3,600 feet by 400 to 50 feet, which, according to Peel Resources, appears to be mainly bornite.

The other zone is 2,000 feet by 800 feet and is mineralized with molybdenite, calcopyrite and

bornite and is near the Highmont orebody.

An IP survey recently completed located four anomalous areas near the Bethlehem-Guichon contact.

Lodestar

Walter S. Davidson, president of Lodestar Mines Ltd. of Vancouver, said the company had spent \$13,000 as its share of costs to drill a successful oil well on acreage near South Gull Lake, 40 miles southwest of Swift Current, Sask.

The well, which went to depth of 4,340 feet, is operated by Provident Resources Management Ltd. Lodestar has an undisclosed interest.

Davidson said Lodestar is considering further participation in petroleum exploration.

The company plans diamond drilling work on its 100 claims near Brenda Lake in B.C. to test targets found by soil sampling and electromagnetic surveys.

Alwin

Alwin Mining Co. Ltd. reports that Frontier Development Co. Ltd. has purchased for investment purposes 200,000 treasury shares at 57 cents, putting \$114,000 in the Alwin treasury. The shares have been placed in escrow by the B.C. superintendent of brokers.

Drilling has been ordered on the OK and EZZ groups of 25 claims in Highland Valley on an IP anomaly outlined by H. O. Seigel & Associates.

Exploratory work has also begun on Alwin's block of 200-odd claims in the Beaverlodge uranium field.

The financing is in addition to a recent underwriting by Royden Morris & Co. Ltd. which netted \$35,000.

APPOINTMENT ANNOUNCEMENT



W. R. SLEAN

The appointment of Mr. W. R. Slean as Canadian Pacific Airlines' Assistant District Sales Manager for British Columbia and the Yukon is announced by District Sales Manager Lloyd Brown. Mr. Slean has been with the Vancouver-based airline for the past 11 years in sales and traffic positions throughout Western Canada and Ontario. He most recently has been Assistant Manager of Tour and Convention Sales at the company's head office. In his new post, Mr. Slean will be located at 1170 Hornby Street, in downtown Vancouver. This office is responsible for sales for CPA's 52,000-mile world route pattern covering Europe, Latin America, the Orient and the South Pacific, as well as the transcontinental and B.C.-Yukon domestic services and San Francisco.

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Argyll (Nor.) Anchorage B.

Westward, Mexico.

Asaka Maru (Jap.) Burrard D.

D. 5. B.W. Greer, Japan.

Atlas (Gk.) Lapointe 4. Over-

seas Marine, Japan, grain.

Avig (Lib.) UGG West, Empire.

Japan, grain.

Bollinas (Nor.) Ballantyne 3.

Anglo, U.K.

Cape Clear (Br.) Lynn Term.

A. Seaboard, U.S.-Atlantic.

Chokai Maru (Jap.) Ballantyne

2. Empire, Japan, logs.

Ciudad de Quito (Ecu.) Burrard

D.D., Balfour Guthrie, Peru,

general.

Fuzan Maru (Jap.) B.C. Sugar,

Johnson Walton, Japan, logs.

Grey Master (Nor.) Lynn Term.

Terminal D., Pacific Export, Japan,

lumber.

Hoegh Merchant (Nor.) Van-

couver Wharves 1, Dingwall

Cotts.

Hoyanger (Nor.) Lapointe 7.

Anglo, U.K.-Continental.

Kanangoora (Swe.) Pool 1.

Gardner Johnson.

Kaneshima Maru (Jap.) Western

Water Term., Empire, Japan,

logs.

Kingsville (Nor.) Lapointe 5.

Dingwall-Cotts, U.S.-Atlantic.

Kinies (Lib.) B.C. Packers,

Empire.

Kisuharu Maru (Jap.) Lapointe

8, North Pacific.

Milora (Nor.) Ocean Wharves

East, Dingwall Cotts.

Melvin H. Baker (Lib.) Van-

Wharves 4. Overseas Marine.

Namhae (Korea) Anchorage F.

B. W. Greer, Korea.

Neder Ebro (Neth.) Terminal 3.

Dingwall Cotts, S. Africa.

Pasadena (Dan.) Ballantyne 1.

Johnson Walton, U.K.-Continental.

Rama Jayanti (Ind.) Cassiar

Asb., Johnson Walton, India.

Sakuru Maru (Jap.) Centennial

3. Gardner Johnson.

Saracen (Br.) Burrard D.D.

Furness Withy, New Zealand,

general.

Towa Maru (Jap.) Centennial 2.

Westward, Discharge.

Virginia Maru (Jap.) Centen-

ennial 1. B. W. Greer, Japan,

general.

Whiruri (Fin.) Centennial 4.

Vanport.

ARRIVALS

Argyll, Asaka Maru, Bollinas,

Cape Clear, Kanangoora, Kings-

ville, Namhae, Milora, Neder

Ebro Pasadena, Rama Jayanti,

Sakuru Maru, Whiruri.

DEPARTURES

American Mail, Anna Bakke,

Bonanza, Broland, Capetan Costas

Panou, Limburg, Pacific Strong-

hold, Riley.

NEW WESTMINSTER

Moerdyk (Neth.) PCT 1D Fur-

ness Withy, U.K.-Cont. general.

Road Jarl (Nor.) Overseas 5,

Seaboard, U.S.-Atlantic.

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ALWIN MINING COMPANY LTD.

DIAMOND DRILLING RESULTS - A September 15, 1967, report has been presented by J. Foster Irwin, P. Eng., covering the recent exploration work on the Alwin Mining Company Ltd. property in the Highland Valley area of B.C. Mr. Irwin is supervising the work for the company on contract with the program under the general supervision of Dr. A. P. Fawley as consultant.

The work is on the O.K. -Ezz group of 25 claims located between the operations of Lornex and Bethlehem. The drilling to date has been testing an anomalous area which extends a minimum of 1,500 feet and covers the area of the old working on the O.K. Mine plus a considerable distance from the workings. The drilling has tested a strike length of 500 feet and a suggested true width of between 70 feet and 150 feet.

The results of the drilling to date are reported by Mr. Irwin as follows: "hole No. 1 returned an assay average of 1.84% copper for a core length of 109 feet, containing a 24 foot section averaging 4.8% copper and a 10 foot section averaging 6.4% copper. Over the entire hole length a true width of 151 feet is now averaged at 1.82% copper.

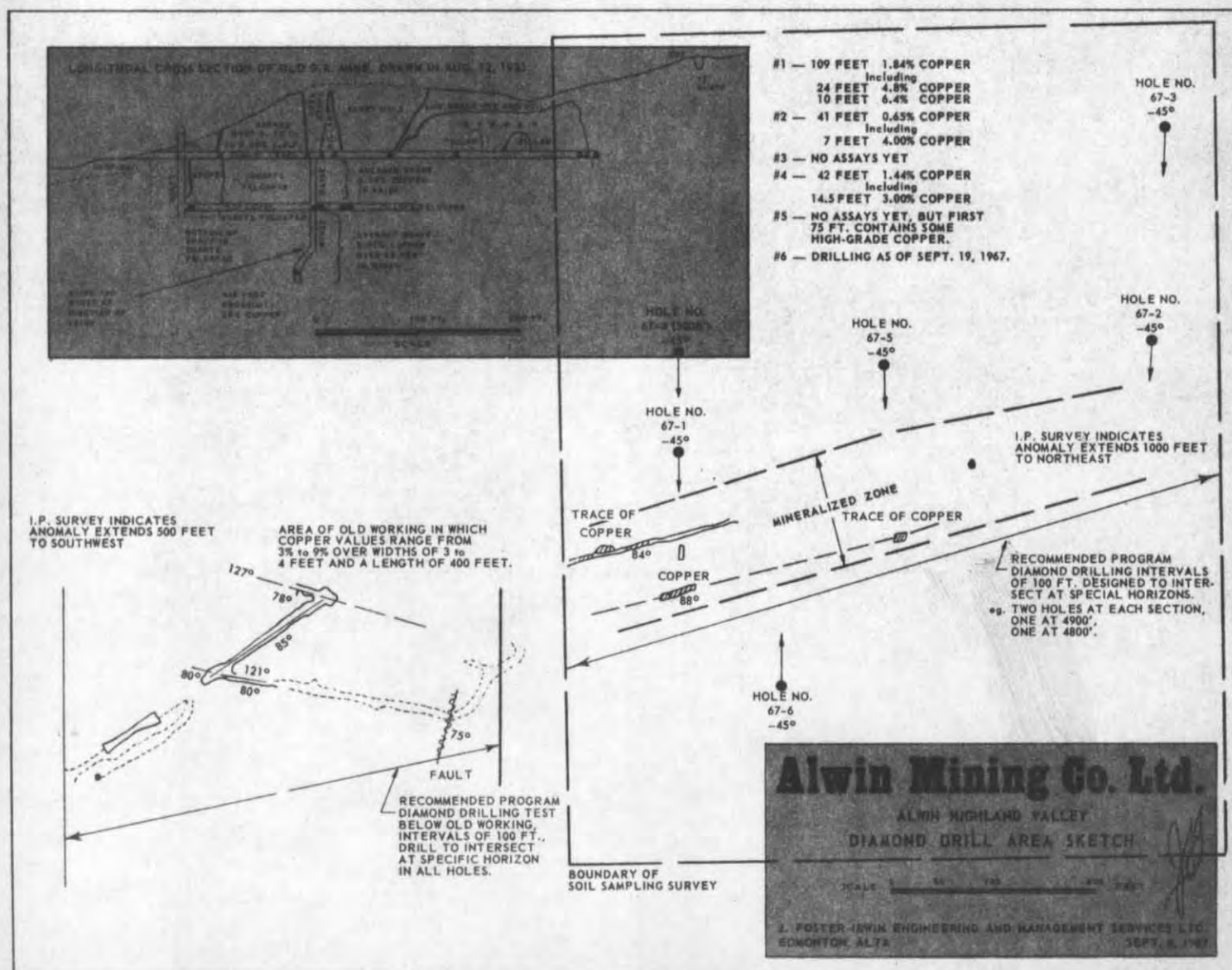
"Diamond drill hole No. 2 encountered the zone on strike 500 feet to the east of hole No. 1. Results from the last 50 feet of core are not yet available. In the first 150 feet of the length a true width of 41 feet between core footages 95.2 and 154 feet, averaged 0.65% copper and contained one 7 foot section assaying 4% copper. Hole No. 3 was located to intersect the zone 200 feet below hole No. 2. The zone was encountered in hole No. 3 but assay results have not yet been returned.

"Diamond drill hole No. 4 has been drilled to obtain an intersection 100 feet below diamond drill hole No. 1. With results yet incomplete returns received discredit any suggestion that the former OK workings had delimited the ore body at depth. Partial results from No. 4 hole indicate ore values at a vertical depth of 250 feet. A core section from 300 to 342 feet, representing a true width of 30 feet, returned an average assay of 1.44% copper and contained a section between 327.5 feet and 342 feet assaying 3% copper. No results have yet been returned for the last 140 feet of core length."

(See Map below for hole locations and table of results plus values in old workings)

Continued drilling is recommended for the area of the recent intersections and for the depth of the old OK workings. Preparation of winter quarters and further induced polarization survey work is also recommended.

Work on the company's property in the Beaverlodge, Saskatchewan area is continuing and drilling of two zones outlined by work to date is planned for October.



CASINO SILVER MINES LTD.

YUKON DRILLING UNDERWAY - Mineralized section has been intersected in the current diamond
NEW FINANCING PENDING drilling program on the 250-claim Yukon property of Casino Silver
Mines Ltd.

L.I. Proctor, president, reported the latest drill hole, No. C-3, was mineralized from 47 feet to 116 feet and one three-foot section, from 75 to 78 feet, returned 25.7 ounces silver, 14.9% lead, 16.7% zinc, 0.27% copper, and 0.26% molybdenite.

"The formation is quartz-monzonite highly mineralized with pyrite and minor molybdenite and drilling is continuing with vertical holes on 100-foot centres to trace extensions of this ore and also to locate a formation which contains the copper ore responsible for an earlier high geochemical anomaly," the president reported.

Earlier this summer, H. Grant Harper, P.Eng., a Toronto geologist, inspected the property and reported: "The Bomber Group (of claims) is a typical silver, lead, zinc vein fault system, structurally comparable to the Keno Hill and the Slocan, B.C., systems. The vein fault system has been traced along strike for a length of at least 600 feet and I predict with confidence that the vein fault system will continue along strike in both directions for several hundreds of feet more."

Trenching late last year across the electro-magnetic conductors confirmed the presence of a wide mineralized shear zone near the head of Casino Creek above earlier uncovered copper anomalies. The shear zone is at least 2,000 feet in length, open at both ends, and carries silver and gold values over appreciable widths in the surface zone of oxidation.

A total of \$450,000 has been expended on the property to date and drilling is continuing.

An underwriting agreement is currently being finalized with a Vancouver brokerage firm, the president stated.

ALWIN MINING CO.LTD.

PROGRESS REPORTED ON BEAVERLODGE - J.Foster Irwin, P.Eng., consultant, has provided the
URANIUM PROPERTY EXPLORATION WORK following information on the exploration program on
the properties held by Alwin Mining Co.Ltd. in the
Beaverlodge area of Saskatchewan. A helicopter mounted airborne scintillometer survey was completed on the property in July. Twenty-six radioactive responses were recorded and these are now the subject of ground investigation. Of the 26 responses, six are located north of Orbit Lake, five northwest of Mud Pond, two along Doreen fault and six near Kaput Lake. The remainder are scattered throughout the claim block. The responses recorded generally outline areas of previously known radioactivity, with the exception of five responses recorded northeast of Mud Pond. All twenty-six radioactive occurrences located in the airborne survey warrant detailed prospecting.

A crew was on the property by July 17, 1967, with a camp set up and work underway of following up on the airborne discoveries.

Ground prospecting to date has indicated two specific areas of interest, which will require diamond drilling in the stages of final assessment. The first of these zones requiring diamond drilling is located on the formerly known Kaput zone, and the second situation is related to both old and newly-exposed occurrences along the Doreen structural break.

The initial phase of the investigation on C.B.S. 355 has been completed and the second phase, involving: reconnaissance evaluation survey, detailed grid scintillometer survey, stripping and limited trenching is well underway. Expenditures to date have amounted to approximately \$27,000.00 and results of the program thus far indicate the advisability of a further expenditure in the order of \$173,000 to include surface survey work, stripping and trenching, geological mapping and diamond drilling.

The company is continuing to drill on its Highland Valley property with further assay results expected in about a week.

TOLUMA MINING AND DEVELOPMENT CO.LTD.

ANNUAL REPORT - The July 31, 1967, balance sheet of Toluma Mining and Development Co.Ltd. shows current assets \$1,577, current liabilities \$6,400, accounts payable \$46,079, directors advances \$6,300 and 1,767,710 shares issued of the 5,000,000 shares authorized. The notes to the balance sheet bring out that, in the past year, a contractor spent \$20,000 on the property for which 50,000 shares are to be issued. The notes also bring out that C.W.Marshall, secretary-treasurer of the company, is entitled to 1,000 shares per month for his services and that the shares are to be valued at 52½¢ per share and that he is also entitled to his out of pocket expenses.

The report states that, under an agreement with Great Slave Mines Limited, work was done last year on the Copperado property near Merritt, B.C., and the company has agreed to do \$75,000 worth of work in 1967. Since April 1967, twenty vertical percussion holes have been drilled to a depth of 250 feet each. The results of the drilling are reported as far from conclusive. The agreement with Great Slave calls for three holes to 1,000 feet each.

Toluma Mining and Development holds also the Buckeye property in the Ainsworth district of B.C. The company hopes to raise sufficient new funds to reactivate the Buckeye as a producer.

→ CASCADE MOLYBDENUM MINES LTD.SCURRY RAINBOW OIL LIMITED

FEASIBILITY STUDY ORDERED - Acting jointly, Cascade Molybdenum Mines and Scurry-Rainbow
FOR ROSSLAND MOLY CLAIMS Oil have engaged the firm of Stearns-Roger Canada Ltd. to
conduct a feasibility study of their Rossland, B.C., molybdenum properties.

L.C. Morrisroe, president, says the express purpose of this study is to determine whether or not the properties are capable of sustaining a 1,000 ton per day concentration under a joint operating program. Results of metallurgical testing and of the feasibility study are expected within the next few months, at which time, he says, a decision will be made on whether or not to put the properties into production. He adds that, due to Cascade's heavy commitments at the Rossland properties, only assessment work was carried out on its holdings at Pine Point, Brenda Lake, and Vancouver Island properties.

A financial statement shows that Cascade in the year to Apr. 30, 1967, spent \$375,713 in the Red Mountain area, Rossland; \$18,495 in other areas and \$59,200 on administration. Interest income of \$16,724 reduced net outlay for the year to \$436,684. Accumulated deferred exploration and administrative expenses to that date are shown at \$617,003. Current assets were \$377,775 and current liabilities \$69,779. Of 3,000,000 shares authorized, 2,225,005 are issued, including 500,000 issued during the year under review for \$750,000.

The president says that, at the Rossland property during the year, the Giant "A" zone orebody was delineated by a series of vertical drill holes, spaced at 50 foot intervals northeast-southwest across the zone. A total of 41,331 ft. were drilled with 164 holes completed by May 30, 1967. He continues: "Indicated ore reserves amenable to open pit mining are 1,000,000 tons averaging 0.299% MoS₂. An additional tonnage of probable ore is estimated at 500,000 tons averaging 0.20% MoS₂, some of this ore could be mined from the existing adit which is in excellent condition....."

"In addition to the molybdenum values, certain sections of the ore zone contain appreciable amounts of gold, cobalt and bismuth. At present, bulldozer trenches implemented by blasting are being cut across the known zone. The trench will permit taking of large bulk sample for metallurgical testing of the ore."

"Preliminary testing on a laboratory scale indicates that good recoveries of molybdenum and gold can be obtained by a combined flotation - cyanidation process. The separation process necessary for cobalt and bismuth concentration is still undetermined."

COLUMBIA RIVER MINES LTD.

FINANCING NEGOTIATIONS CONTINUE - Columbia River Mines Ltd. has reported to shareholders
FOLLOWING RESERVE CONFIRMATION in an August 15, 1967, letter that the Ruth-Vermont property south of Golden, B.C., is definitely a mine.

The known ore reserves milled at 500 tons a day indicate a minimum of six to seven years and should provide a yearly profit of \$1,500,000. Current quotations on base metals and silver indicate that a market is assured for the concentrate. The mill is being designed by Wright Engineering and will provide for expansion to 1,000 tons per day. The mill site has been cleared and a trailer camp for about 100 men has been moved to the property.

The letter states, "The mill should be in operation in 1968 subject to senior financing being finalized within the next few months and if weather conditions permit continuous construction."

Drifting and diamond drilling is continuing on the 6,000 foot level. "We are also preparing a financial arrangement with which you will be most pleased," the letter says.

Recent assay results of 2½ feet of 67.0 oz. silver, 31% lead, 0.07% zinc from the Blacksmith vein; 27.40 oz. silver, 11.50% lead, 2.6% zinc from a vein near the Blacksmith and across one foot; a third assay result of 94.4 oz. silver, 28.2% lead, 0.80% zinc across one foot were also reported in the letter.

HIGHMONT MINING CORP. LTD.

→ FUNDS COMMITTED FOR - A routine annual meeting of Highmont Mining Corp. Ltd. was told
UNDERGROUND WORK that a letter of commitment has been received from Nippon Mining Co. Ltd. whereby it undertakes to provide the \$250,000 for the underground program by Nov. 30, 1967. The site and machinery for the bulk sampling plant and the portal for the underground workings are prepared, ordered and underway and the whole program is expected to be completed by the end of November. Directors were all reelected and expressed confidence to the meeting that the program will confirm ore reserves.

ALWIN MINING CO. LTD.

→ HIGHGRADE HIGHLAND VALLEY - Dr. A.P. Fawley, consulting engineer to Alwin Mining Co. Ltd.,
HOLE REPORTED BY ENGINEER has reported that the first diamond drill hole on the O.K.-EZZ property of Alwin Mines Ltd. was completed to 228 feet and drilled at -45° with an average for 109 feet of 1.84% copper over the interval 119 to 228 feet. The 24 feet from 119 feet to 143 feet graded 4.08% copper and the 10 feet from 210 feet to 220 feet assayed 6.40% copper. The hole was drilled to the east of the old O.K. workings which are located in the Highland Valley between the properties of Bethlehem Copper and Lornex Mines Ltd. Dr. Fawley stated that the O.K. mineralized structure is nearly vertical and the present drilling is on an extension of this structure indicated by a weak induced polarization anomaly. Drilling is continuing.

B.C. COMPANIES ACT

Starbird Mines Ltd. was incorporated as a B.C. company on July 26, 1967, with registered office at 3941 East Hastings St., Burnaby, B.C., and authorized capital of 10,000 Class A voting participating shares and 40,000 Class B non-voting participating, all of no par value.

Dome Babine Gold Mines Ltd. did on July 20, 1967, change its name to Dome Babine Mines Ltd.

FOR THE RECORD

B.C. Canned Salmon Pack for the week ended August 5, 1967, as reported by the B.C. Department of Fisheries, was 117,829 cases of 48 pounds each bringing the total pack for the season to date to 516,747 cases. The average pack to the same date for the past five years was 657,887 cases, or 141,140 cases more than the total to date in 1967. Of the total 1967 pack, 314,743 cases are sockeye, 91,341 cases pinks, 63,309 cases coho, 30,199 cases chums, 9,119 cases springs, and the balance in steelheads, and bluebacks.

ZINC - American Zinc Institute, Inc. has reported U.S. stocks of zinc, including all primary and secondary zinc of standard grades, in short tons as follows: at smelter July 31, 1967: 117,861; at June 30, 1967: 105,586; and stock elsewhere at 25,836 tons vs 26,771 tons.

Revelstoke Building Materials Ltd. will pay a semi-annual dividend of 20¢ on the common shares on October 2, record September 15, 1967.

Interior Breweries Ltd. will pay a quarterly dividend of 12½¢ on the B shares on Sept. 5, record September 1, 1967.

Escrow Releases - Vancouver Stock Exchange has released from escrow 15% of the shares originally placed in escrow by each of the three following companies: Chataway Explorations Co. Ltd., Homestake Silver Ltd., and Jay Explorations Ltd.

Midrim Mining Company Ltd. shares have been listed for trading on the Vancouver Stock Exchange on August 11, 1967, of the 5,000,000 shares authorized 4,033,505 shares are issued with 52,500 shares in escrow. Ticker symbol MRM. Registrar Montreal Trust Co.

PURE SILVER MINES LIMITED

SECOND ADIT LEVEL - NOW UNDERWAY - Allan J. Anderson, president of Pure Silver Mines Limited, has reported that a second portal has been established and drifting along the level at the 5500 level is underway at the property near Logjam Creek, Yukon.

This new adit is 420 feet vertically above the first adit at 5100 feet and the new work is aimed at opening the No. 5 vein which is one of eight to be tested.

A 238 foot crosscut from the adit at the 5,100 foot level has been completed to intersect the No. 4 vein. A length of 61 feet of drifting has been completed to date on the No. 4 vein. According to the property engineer, this 61 feet is well mineralized with assays expected shortly. It is planned to continue the drift along the 5100 level which is opening the No. 6 vein. To date 240 feet of drifting has been completed which has opened 165 feet averaging 18.1 oz. silver per ton, 0.11 oz. gold per ton, 4.5% lead and 3.5% zinc across an average width of 3.1 feet. With a 10% dilution factor for mining, the value of this ore at current metal prices is upward of \$60 per ton.

The company is considering plans to broaden its base of operations and is conducting preliminary investigations towards the acquisition of other properties.

Recent underwriting of 300,000 shares at 40¢ placed \$120,000 in the treasury.

ALWIN MINING COMPANY LTD.

UNDERWRITING PROVIDES FUNDS FOR CONTINUED HIGHLAND VALLEY PROPERTY DIAMOND DRILLING

Alwin Mining Company Ltd. has reported that Frontier Development Ltd. has purchased for investment purposes 200,000 treasury shares of Alwin Mining at 57¢ per share placing \$114,000 in the company's treasury. These 200,000 shares have been placed in escrow to the order of the B.C. Superintendent of Brokers.

The company is continuing to diamond drill a strong induced polarization anomaly on its O.K.-EZZ group of 25 claim in the Highland Valley. The target being drilled was surveyed by H.O. Seigel & Associates Ltd.

The work on the company's Beaverlodge, Saskatchewan property has been encouraging and drilling there is expected to start in about two weeks.

NORTHSTAR COPPER MINES LTD.

HIGHGRADE TRENCH OPENED - A crew of ten men, including three geologists have been carrying out a program of soil sampling and geological mapping on the 117 claim group of Northstar Copper Mines Ltd. located 20 miles north of Takla Lake, B.C.

Blast trenching has opened a zone of highgrade copper mineralization having a width in excess of 50 feet with a seven foot section assaying 0.2 oz. silver and 3.81% copper. Grab samples taken over a 200 foot length assayed 0.01 gold, 0.30 oz. silver, and 1.69% copper.

Mineralization is in the form of, chalcocite, bornite, covellite. Blast trenching is continuing and a diamond drill machine is expected to start an 'A' core hole to test the trench mineralization at depth within two weeks. This showing is 2,000 feet south of the syngenetic-sedimentary deposit which yielded 2.6% copper across 20 feet.

SHAWINIGAN MINING & SMELTING COMPANY LIMITED

ANOTHER STEPOUT - Diamond drill hole No. 31 at the Arctic Lake, B.C., copper property of
HOLE GETS ORE Mining, located 80 feet west of No. 11, a 70 degree hole, penetrated
51 feet averaging 1.09% copper, reports Andrew Robertson, P.Eng., fol-
lowed by 60 feet of low grade mineralization. No 11, drilled earlier in the program
which is to total 5000 feet of contract drilling, penetrated 80 feet averaging 1.30%
copper. Drilling progress to date may be followed by a reference to GCNL issues enumerat-
ed in GCNL No. 144, Page Four.

RAYONIER INCORPORATED

SALES AND EARNINGS - Total sales of \$91,552,934 vs \$101,854,814 and net income of \$7,-
LOWER IN FIRST HALF 958,860 or \$1.28 p/s vs \$10,269,711 or \$1.65 are first half 1967
results of Rayonier compared with first half 1966. Rayonier has
B.C. plants at Woodfibre producing bleached paper-making pulps and produced pulp also
at Port Alice. The current report says substantial lumber manufacturing capacity was
lost when most of Rayonier's New Westminster sawmill was destroyed by fire in August 1966.
Earnings were not affected as the company is compensated by insurance which covers re-
duction of profit due to loss of production. Since start of 1967, a major part of the
lost capacity has been replaced by using a portion of the mill unharmed by the fire and
leasing another sawmill near Vancouver.

In a general reference to sales, R.F.Erickson, president, says weakness in major
textile markets, reduced automobile production, and the prolonged rubber-industry strike
have meant softened demand for the grades of chemical cellulose used in regular rayons
and tire cord. However, demand continues active for Rayonier's pulp for acetate products
and continuous-filament rayon. Other key markets such as high-performance rayons and cel-
lophane and maintaining good levels of demand. Competition is increasing in sulphate paper-
making pulps as substantial new pulp-mill capacity is being activated.

ALWIN MINING COMPANY LTD.

HIGHLAND VALLEY AND SASKATCHEWAN - In a report to shareholders, H.E.Jacques, president,
PROPERTIES UNDER EXPLORATION outlines progress at the Highland Valley property
of Alwin Mining Co. and at its Uranium prospect in

Beaverlodge area of Saskatchewan.

Dr.A.P.Fawley, P.Eng., has recommended on basis of an I.P. survey of the Highland
Valley property located between Bethlehem and Lornex, that diamond drilling proceed.
This is now underway. The company, on basis of the new information, acquired the "O.K."
claims which are surrounded by Alwin's "EZZ" group.

On the Beaverlodge area claims an aerial survey is nearing completion and, directed
by C.Murray Trigg, P.Eng., formerly chief geologist for the Beaverlodge for crown-owned
Eldorado Mining & Refining Ltd., will be followed by a reconnaissance evaluation survey,
a detailed grid scintillimeter survey, stripping, trenching and geological mapping, with
diamond drilling next.

While these two prospects command immediate attention, plans are being furthered
for diamond drilling Alwin's Pathfinder copper-gold-silver claims near Grand Forks, B.C.

As reported in GCNL No. 86, Page 4, Alwin netted \$35,000 from an underwriting of
100,000 treasury shares by Royden Morris & Co.Ltd. The president says arrangements are
being made for more funds to carry out the recommended programs.

MACMILLAN BLOEDEL LIMITED

AUSTRALIAN SUBSIDIARY
EXTENDS SOLOMONS HOLDINGS

- MacMillan Bloedel Limited has reported that the Australian
subsidiary has acquired a substantial interest in a company
with extensive timber cutting rights on the island of

Bougainville in the Solomons. This is the company's first venture into the tropical
forest operations. About one-third interest has been acquired in Bougainville Development
Corporation Limited which holds cutting rights to some 100,000 acres on Bougainville,
in New Guinea. Several Australian groups have also participated in the financing. All
participants have agreed to reserve part of the unissued capital of the company for
subsequent issue to residents of the territory.

The Bougainville timber, located in the area of Tonolei Harbour, consists of hardwood
tropical species and most of it is sold in the form of logs to the Japanese market. Logs
are skidded to the beach where they are rafted for delivery to waiting ships.

The operation will be confined to logging with a sawmill to be built later as part
of the lease obligations. Tonolei is an excellent all-season harbour for large ships.

MINERAL MOUNTAIN MINING CO.LTD.

JERSEY CONSOLIDATED MINES LTD.

DRILLING CONTRACT LET - D.G.Gordon, president of Mineral Mountain Mining Co.Ltd. and
Jersey Consolidated Mines Ltd. has reported that a contract has been let to Griffiths
Brothers Drilling for a minimum of 1,000 feet on the Mal No.1 to 4 claims and the C.B.S.
No.542. The block of ground is a few miles south east of the Sourry discovery in the Lac
LaRonge area of northern Saskatchewan. The drilling will test a copper-nickel showing
which has been traced over 400 feet to the north from the lake. An electromagnetic survey
located an anomaly 1,000 feet long and 400 feet wide in the area of the showing.
NO.149(AUGUST 2,1967) + GEORGE CROSS NEWS LETTER + TWENTIETH YEAR OF PUBLICATION +

FOR THE RECORD

Jericho Mines Ltd. has reported that Davidson & Co. has underwritten 250,000 shares at 10¢ and received options on 200,000 shares at 12¢ due July 30, 1967, and 150,000 shares at 17¢ due Oct. 28, 1967.

Silver Arrow Explorations Ltd. has reported that Adam & Co. Ltd., acting on behalf of H.H. Hemsworth & Co. Ltd., has exercised the April 29, 1967 option covering 200,000 shares at 50¢ per share.

San Doh Mines Ltd. has reported that Adam & Co. Ltd., acting on behalf of H.H. Hemsworth & Co., has received extensions on options which are now due as follows:

100,000 shares at 20¢ due May 30, 1967; 200,000 shares at 25¢ due July 3, 1967.

Consolidated Skeena Mines Ltd. will start drilling this month on the 46 claim block located 12 miles west of Merritt, B.C., and just south of Craigmont Mines. The test will be on a soil sampling and magnetometer anomaly 1,500 feet long by 800 feet wide. At the same time, the balance of the property will be tested by magnetometer survey.

A trenching program on the Skeena Stone group of claims, located 20 miles southeast of Prince George, B.C., located evidence of copper and magnetite.

Consolidated Skeena also holds 75,000 shares of Lornex and is planning work on its Pennask Lake-Brenda Lake holdings during the season as part of the \$210,000 exploration program.

F.A. McGonigle, president of Consolidated Skeena, has also reported that late last fall the company optioned a 24 claim group, known as the Bern claims, north of Dawson City, Yukon. He stated that earlier geological study of the area showed widespread copper mineralization and samples from the property were very encouraging.

Of the 3,000,000 shares of Consolidated Skeena Mines Ltd. authorized, 1,400,000 shares are issued.

Laura Mines Ltd. has reported that an extensive Spring exploration program is planned for the Rob claims, located southeast of Craigmont Mines Ltd. The first work will be trenching in a large magnetometer anomaly. Work is under the direction of H.H. Cohen, P. Eng., and will be concentrated on eight of the 25 claims in the group.

Laura Mines Ltd. will carry out a geophysical survey on the 20 MCP claim group in the Aspen Grove area as soon as weather conditions permit.

A. Chunuck, managing director of Laura Mines, has stated that, in addition to raising funds for the company's own exploration program through the current initial public offering of 160,000 shares at 40¢ per share, the firm is seeking major company participation. (See GCNL No. 60, March 28, 1967, page two)

Silver Butte Mines Ltd. president, T.S. Mackay, states in an April 26, 1967, progress report that an aerial geophysical survey has been completed over the company's 47 claims, located on the east boundary of the Noranda Newman Copper Mine and just north of the Granisle Copper property. The survey work located four anomalies which will be followed up on as soon as ground conditions permit.

The company will also do further exploration work on the Moose claims in the Alice Arm area of B.C. during the field season.

Alwin Mining Company Ltd. has reported that an induced polarization survey started near the end of March on the company's Ezz group of claims in the Highland Valley area of B.C. The company has plans for a diamond drilling program to follow up on the induced polarization survey on the Pathfinder claims in the area 14 miles north of Grande Forks.

Alwin Mining plans to spend some \$15,000 initially on the evaluation of some of its 200 claims in Northern Saskatchewan. There has been reported 81 radioactive showings on these properties and a \$73,000 program has been recommended.

Royden Morris and Co. Ltd. recently underwrote 100,000 shares of Alwin at 35¢ net per share to the treasury. Directors of the company are: H.E. Jacques, president, Bernard L. Belec, vice-president, and Kenneth B. Farris.

CARTER COMMISSION REACTIONB.C. & YUKON CHAMBER OF MINES

Following is the text of a telegram from the B.C. & Yukon Chamber of Mines to the Hon. Mitchell Sharp, Minister of Finance, Ottawa.

"Recent press reports state Noranda Mines Ltd. has deferred bringing into production two large low-grade mineral deposits in British Columbia owing to threat of Carter Royal Commission recommendations which would remove major existing tax incentives for mining. This action has already had an adverse effect on this industry and on the economy of British Columbia causing a loss of some \$90,000,000 in capital expenditure. The future of many other similar mineral deposits in British Columbia-Yukon now in late stages of development is affected. Unless the threat of Carter's recommendations is quickly removed, it will result in the additional loss of hundreds of millions of dollars of capital expenditure in this Province alone. This would seriously curtail production of minerals and adversely affect Canada's ability to gain control of important world markets. It would also reduce employment opportunities for large numbers of people, markets for a wide variety of manufactured goods and services, and taxes available to governments. We strongly urge that the Federal Government promptly declare its faith in existing mining tax incentives which have built Canada as one of the world's leading mineral producers, and that the Government assure mining capital no action will be taken that would adversely affect the growth of this industry."

FERTILIZER OUTLOOK

PRICE PROFIT MOVE OPPOSITE - Kalium Chemicals Ltd. of Regina, Saskatchewan, jointly owned by Pittsburgh Plate Glass Co. and Armour & Co., has issued a price list which shows an average of a 3% price increase for potash as of June 1, 1967. The increases apply mainly to sales late in the season.

Recently, A.E. Cascino, vice-president of International Minerals & Chemical Corporation stated that the massive increase in fertilizer consumption this year will not be reflected by fertilizer industry profits. Farmers will use 15% to 25% more tons of fertilizer, but fertilizer industry revenues won't begin to keep pace. Price weaknesses in raw materials for finished fertilizers will hold the industry's increase in sales dollars down to about 10% with an even greater impact on earnings, he said. Spurring the 15% to 25% increase in nutrient consumption are higher crop prices and the return to cultivation of 30,000,000 acres of farmland. The fertilizer price situation is partly the consequence of rapid expansion of existing producers and the entry of new suppliers into the marketplace. This was aggravated by slow raw materials sales early this year because of adverse weather.

ROYAL AMERICAN PETROLEUMS LTD.

BISTOCHO LAKE REPORT - J.L. Milner, president of Royal American Petroleum Ltd., states in a March 15, 1967, letter to shareholders that drilling and large seismic programs are now underway near the company's holdings in the Bistcho Lake area.

Roy An Cass Sun Bistcho 10-10-126-6 was drilled on the basis of the information obtained from the first well. A workover program in December and January included perforating and acidizing resulting in the establishment of two definite reservoirs, the Slave Point and Bistcho Lake, Sulphur Point. Swabbing operations established about 62 barrels per day of light gravity crude oil. At present, it is felt this rate will increase when the well is cleaned up, the president stated.

A most significant factor is the establishment of the presence of two separate oil reservoirs underlying the Bistcho acreage. The extent of the reservoirs are not known at this time, however, the nature of the particular horizons is known to be somewhat blanket-like and usually have good aerial extent, he stated.

The company has recently increased its cash flow and oil reserves through the purchase of P.A.T. Operators Ltd. Royal American now holds an interest in some 117 gross oil wells and some 31,670 gross acres, placing the firm in a strong position in the heavy crude oil field. Extensive work is planned for the Lloydminster area which will include pipelining, field treating, and secondary recovery programs. An early start on the work is hoped for.

FOR THE RECORD

Nelway Mines Ltd. has received registration under the B.C. Securities Act covering the sale of 210,000 shares at 50¢ per share.

Norfol Mining Ltd. has received registration under the B.C. Securities Act covering the sale of 200,000 shares at 50¢ per share.

Alvin Mining Company Ltd. has received registration under the B.C. Securities Act covering the sale of 100,000 shares at 35¢ per share. These shares were underwritten by Royden Morris & Co. Ltd.

MUNICIPAL FINANCING - City of Victoria, B.C. sold \$511,000, one to 20 year serial bonds of 6% interest, dated Nov. 1, 1967 to 1986, to a syndicate including, Wood Gundy Securities Ltd., Dominion Securities Corp. Ltd., Canadian Imperial Bank of Commerce at 96.95 to yield 6.39%.

Westcoast Transmission Company Limited has announced an initial dividend of 25¢ payable May 12, 1967, record April 28, 1967.

YUKON BRIDGE CONTRACT - Canadian Department of Public Works has let a \$224,000 contract to Backguard Construction Company of Calgary for the construction of a bridge at mile 6.2 on the Ross River-Carmacks road. This is the road servicing the Vangorda Creek - Dynasty area of the Yukon. The bridge will cross the Lapie River.

Bellef Mines Ltd. annual meeting on March 17, 1967, elected, W.R. Jones, president, J.J. Romano, and Gino Cicci as directors. The meeting was told that additional financing will be carried out as soon as possible and that an exploration program will be carried out on the 18 claims in the Pine Point area and on the 40 claims held in the Babine Lake area of B.C. The president also reported that a Japanese firm has been studying the reports on the Tahsis Inlet copper property and it is hoped that something will come from the study. The Silver Ptarmagin property was dropped owing to the problems of work at the high elevation, the meeting was told.

Canzac Mines Ltd. recently reported that a program is planned for the company's 115 claim group in the Highland Valley of B.C. The program is to follow up on the large soil sampling anomaly located last season. The anomaly is located in the same area as a zone of alteration where low-grade copper values were encountered in the 1965 season exploration work. Ralph A. Sostad, president, states that the first work will make use of a large bulldozer with rippers.

GIANT MASCOT MINES LIMITED

CONCENTRATE SHIPMENT - Giant Mascot Mines Limited has reported that the 66th shipment of nickel-copper concentrates from the nickel operation near Hope, B.C., went forward March 8, 1967, totalling 1,670 short wet tons, averaging 10.75% nickel and 3.7% copper. The shipment has a gross value of \$228,419 U.S. funds.

Since shipments to Japan started in May 1960, the company has shipped a total of 148,734 tons of concentrates with a gross value of \$17,112,586 U.S. funds.

FOR THE RECORD

Continental McKinney Mines Limited started trading on the Canadian Stock Exchange under its new name on March 13, 1967 and with the ticker symbol of C M K.

American Uranium Limited is a recently incorporated B.C. company with registered office at 404-510 West Hastings St., Vancouver, and an authorized capital of 5,000,000 shares of 50¢ par value.

The company is headed by Ed. Sonnenberg who has offices in Suite 64 - 845 Hornby St., Vancouver, B.C. telephone 682-4955. The company holds three groups of claims, one group of 48 on Hotta Lake, a uranium prospect, a 40 claim group 30 miles east of Bear Lake and a block of claims on Simpson Island in Bear Lake, a copper and uranium prospect.

The company has raised some \$25,000 as a private company and is expected to make its first public offering in the early summer when property work is underway.

→ **Alvin Mining Company Ltd.** has called a shareholders meeting for 3:00 p.m. March 20, 1967, in the Devonshire Hotel to consider approval of an agreement covering the acquisition of 7,200 claims in the Athabasca mining division of Saskatchewan from James F. MacDonald.

CRYOGENIC ENTERPRISES LTD.

ADDITIONAL FINANCING FORECAST - Joseph T. Sparling, president of Cryogenic Enterprises Ltd., states in a recent letter to shareholders that additional financing will be required for the expansion of the company's facilities both in the Squamish distribution system and the Richmond plant. He states that it is expected that the financing will be term debt.

The company is now in operation delivering liquid natural gas to storage facilities by tank truck from the plant in Richmond to the Squamish distribution system. Salesmen are now signing up customers. The initial production is 120,000 cubic feet of gas per day and the plant is designed so that production can be expanded to 500,000 cubic feet per day when it is necessary.

Markets other than Squamish, 2,000 population, local much larger. Vancouver Island, Hawaii, Japan, the west coast of the United States. Residential and commercial customers will use the product and contracts are being drafted to supply liquid natural gas to the B.C. Hydro and Power Authority for peak shaving purposes.

The president states that it is too early to make reliable forecasts of markets and earnings but he believes that the possibilities can scarcely be comprehended and the future is unlimited.

Of the 5,000,000 shares authorized, 1,900,000 shares have been issued and \$900,000 has been spent developing the Richmond plant and the Squamish distribution system.

GANDA SILVER MINES LIMITED

DIRECTORS ELECTED - A recent letter to the shareholders of Ganda Silver Mines Limited states that, at the March 3, 1967, meeting, the following directors were elected: J.B. Elston, president; P.J. Murray, C.A.; A.W. Forty; W.T. Boyes, P.Eng., vice-president and G.E.A. Edwards. Following the meeting, G.E.A. Edwards was retained as field manager for year, all salaries to officers and directors other than Mr. Edwards were cancelled, authorized an exploration program and ordered an examination of the Skomac property status in order to get a work program underway.

NORTHERN COAL MINES LTD.INTERCOAL RESOURCES LTD.

FURTHER INFORMATION - A.J. Garraway, president of Northern Coal Mines Ltd., states in a March 8, 1967, letter to shareholders that as a result of the agreement recently concluded with Intercoastal Resources Ltd. the driving of the main slope will speeded up by the addition of a second shift and now it is expected that bulk sampling will be done in April, 1967. (For terms of the agreement, see GONL No. 44, page three March 3, 1967)

The main slope will be completed into the radio active shale seams and the research at the Batelle Memorial Institute at Columbus, Ohio into the commercial opportunities for the resin in the coals is to continue.

Management of the operation will be by Morris M. Menzies with Chapman, Wood and Griswold Ltd., and Dr. J.M. Black as consultants. A.J. Garraway will continue as property manager.

As reported earlier, if the property is to be taken to production, Northern Coal Mines is to receive 40% interest in Intercoastal as the operating company, unless the costs to production exceed \$3,500,000 then the Northern Coal Mines interest may be diluted.

PICCOLO MINES LTD.

WOODFIBRE CLAIMS TO BE EXPLORED - Piccolo Mines Ltd. is a B.C. incorporated company with registered office at 508 - 789 West Pender St., Vancouver, and authorized capital of 5,000,000 shares of no par value. The company is currently being privately financed by a group of Canadian and U.S. business men to explore a 129 claim property located between Woodfibre and Squamish, B.C.

The property is reported to have showings of copper-molybdenum-gold and silver.

President of Piccolo Mines is George Keeney, Seattle public relations and real estate executive; Clarence H. Gillis, Vancouver mining executive, vice-president and treasurer; and Josef Koval, Vancouver solicitor, secretary. Franklin L. C. Price, P.Eng., has been appointed consulting mining engineer. Offices are at 508 Hall Building, Vancouver.

Piccolo Mines acquired the property late in 1966 from four Squamish prospectors: Stan "Piccolo" Ciuk, E. L. "Tiny" Kristianson, Ferdinand Schomig and Ernest Hansen. Following a copper discovery on the ground last spring, this group carried out considerable exploratory work and there are now some 97 cuts and trenches. Since taking over, Piccolo Mines has completed five miles of mountain road, installed a camp and power plant at the 2,700 ft. elevation and cleared a helicopter pad.

Part of the Piccolo property, situated on tidewater a short distance across Howe Sound from Britannia Mine, was equipped with a small mill in the early 1930s. According to the 1931 Annual Report of the B.C. Minister of Mines, the plant treated some 6,000 tons of ore and recovered 2,197 ounces of gold, 12,209 oz. silver, and 18,932 pounds copper, a metallic content worth just over \$100,000 at today's prices. Earlier operators completed 492 feet of drifting, 252 feet of crosscutting, and 278 feet of raising.

CULTUS EXPLORATIONS LTD.

ADIT LEVEL - J. F. Sullivan, president of Cultus Explorations Ltd., has reported that on **ADVANCED** January 23, the adit, which is designed as a production adit, has reached 1785 feet towards a target of 1980 feet and it is expected the lode will be reached before the middle of February.

The property is on Misima Island, in the Soloman Sea, 450 miles east of Port Moresby, New Guinea.

The company has had approximately 120 men employed on this project on a three-shift basis since July, 1966, and as previously reported, the Umuna gold lode is over 4,000 feet long, 8.1 feet wide, averaging 0.60 gold with some silver. If the history of the property holds true, the company can expect higher values at this depth than were experienced in the upper levels.

GIBRALTAR MINES LTD.COMINCO LTD.

EXPLORATION AGREEMENT CONTINUED - The exploration agreement on the property of Gibraltar Mines Ltd., located 30 miles north of Williams Lake, B.C., with Cominco Ltd. continues in good standing. Continuation of the agreement has been under negotiation for the past six weeks and substantial agreement has been reached on all of the main points. Details of the agreement will be announced as soon as the letters of intent have been signed which is expected in the next week.

Cominco Ltd. assumed management of the exploration of the copper-molybdenum property in the Spring of 1966, and carried out geophysical and diamond drilling work during the Summer and Fall.

NATIVE MINES LIMITED

ASSAYS REPORTED FROM LAST HOLE DRILLED IN THE FALL - A January 20, 1967, letter to shareholders of Native Mines Limited from A.D. Houston, chairman gives the results of the No. 13 diamond drill hole on the company's property on Copper River, 15 miles northeast of Terrace, B.C. (On Dec. 5, 1966, the company reported that No. 13 hole was completed and this is the first release of the assays from the hole). The No. 13 hole was collared in overburden at -35°, drilled to a total depth of 222 feet and out 122 feet of 1.03% copper with a 50 foot section grading 1.95% copper. Mr. Houston states, "Correlation of the drill hole assays with surface channel sampling shows that the orebody has a minimum width of 56 feet with a highgrade portion widening from a surface exposure of 5 feet at 1.20% copper to at least 30 feet of 1.95% copper."

No. 13 hole was drilled 210 feet northwest of No. 12 and 100 feet northwest of No. 10 hole (For details of the work to date on this upper showing, see GCNL No. 234, Dec. 5, 1966, page 4)

ALWIN MINING COMPANY LTD.

+ Line Cutting Completed Survey work to Start Feb. 1 On 200 Claims in Uranium City Area

Ground geophysical survey work is scheduled to start on a block of 200 claims recently acquired in the Beaverlodge-Uranium City area of northern Saskatchewan by Alwin Mining Company Ltd. The claim location is shown on the map in the following page and adjoins the extensive holdings of Mokta, the French Government company. The lines for the work have been completed and approximately 19 line miles will be surveyed by H.O. Seigel and Associates Ltd.

A Nov. 7, 1966, report on the property by Dr. C.M. Trigg recommends a \$73,000 program stating that work on the property in 1950 to 1959 located (Continued on page three)