

Flagstone

Flagstone Mines Ltd. has received the second \$10,000 payment on the \$100,000 purchase price of the Boise Creek molybdenum-copper prospect at the north end of Pitt Lake. The first payment was made in December 1966.

During the 1967 field season Cyprus spent close to \$350,000 in work on the property, although it was committed to spend only \$100,000, says a report by B. I. Nesbitt, president of Flagstone.

Flagstone retains a 40 per cent non-assessable interest in the property. For its first \$250,000 spent on work, Cyprus earned 135,000 shares. Expenditures beyond that do not earn further shares.

Receipt of the second \$10,000 payment from Cyprus is regarded as an indication that work will be resumed this spring.

Cyprus, through Anvil Mining Corp. holds under option from Flagstone the Lee group of claims, adjacent to the Anvil property in the Yukon. It must report by Feb. 15 whether it plans to continue exploration this year.

Flagstone also has 15 per cent of a nine-section farmout from Imperial Oil in the Rainbow Lake area; is expecting a drilling farmout in another 43,000 Rainbow acres and is examining mineral prospects in Nevada and Arizona.

Northstar

Continuation of exploration work on the property of Northstar Copper Mines Ltd., 20 miles north of Takla Lake, has been recommended by the consulting geologist, Dr. W. H. White, shareholders were told at the annual meeting.

The program, estimated to cost \$127,000, is being studied by the directors. It includes a magnetometer on existing grid lines, trenching across geochemical anomalies and diamond drilling.

In the last field season four major geochemical anomalous zones were outlined. Within these zones five areas containing copper bearing rocks were discovered on the surface, namely, a shale bed 20 feet thick assayed 2.6 per cent copper. One trench averaged 1.4 per cent copper for 57 feet, another trench 24 feet long averaged 2.6 per cent. Nine holes totalling 2,091 feet were drilled. Two intersected ore grade material.

Directors elected were R. M. Tait, G. B. Phillips, L. S. Thompson and L. M. Tait.

Golden West

Golden West Mines Ltd., a Vancouver based company, is evaluating encouraging showings of a wildcat oil well drilled in the Carnduff field of southeast Saskatchewan.

John S. Godfrey, director, said that core analysis indicated 22 feet of net pay and reserves of some 280,000 barrels over this quarter section, part of a farmout from Scurry Rainbow. The well will cost \$62,500 as a completed producer and production date is expected to be Jan. 5.

It is expected that three more

wells will be drilled. Golden West holds a 12½ per cent interest in two Saskatchewan programs.

Falaise Lake

Drilling has been under way for several months on the Rossland property of Falaise Lake Mines Ltd. A number of structures have been tested, according to a report issued by M. E. Davis.

A recent hole on the War Eagle structure obtained an intersection, about 50 feet below surface, over 22.5 feet, averaging 0.142 oz. gold per ton, 0.905 oz. silver and 0.839 per cent copper for a gross value of \$16.22 per ton.

Four holes have been drilled on the LeRoi structure. Each cut the structure about 200 feet below surface along a length of 300 feet. Over an average width the four intersections graded 0.343 oz. gold, 1.14 oz. silver, 1.85 per cent copper for a gross metal value of 34.89 per ton at recent prices.

Norcan

Shareholders of Norcan Mines Ltd. have approved an exploration agreement covering the 225-claim group held by Norcan 25 miles southeast of Smithers. Bethex Explorations Ltd. has undertaken to spend \$75,000 on further exploration of the ground by Dec. 31, 1968.

To keep the agreement in good standing Bethex must spend a further \$100,000 in each of the four years 1969-72 for a minimum of \$475,000 by the end of the period. At that time notice of production must be given and, if it is given, production must start by Dec. 31, 1974.

Bulldozing and hand trenching have been carried out on the Duchess-Evening zones. Four short diamond drill holes on the Duchess encountered silver and copper mineralization but were stopped short by excessive faulting.

Cons. Skeena

Consolidated Skeena Mines Ltd. will start diamond drilling this month on its property at Black Bay, eight miles from Uranium City, Sask. The Saskatchewan government has approved a program of 5,000-10,000 feet of drilling at maximum cost of \$84,000.

Evaluation of geophysical and geochemical work on the company's claims near Pennask Lake, B.C., is almost concluded. Further work is to be done on anomalous zones.

Lytton Minerals

Evan Koblanski, president of Lytton Minerals Ltd. has reported that two holes drilled from the adit workings of the LaVerde Mining property, Mexico, for a length of 80 feet each averaged 1.07 per cent copper over the full core length and bottomed in ore. A hole drilled to test the coincident geochemical and induced polarization anomaly outside the mine area averaged 0.8 per cent copper over a core length of 140 feet. Drilling is continuing.

NORTHERN COAL MINES LTD.

PROGRAMME CARRIED FORWARD ON ONE SHIFT BASIS - Northern Coal's agreement of February 28, 1967, which was to have financed the Prince
FOLLOWING FAILURE OF FINANCING ARRANGEMENT George, B.C., property to production, has

not worked out, A.J. Garraway, president, says in submitting the statement for the year to September 30, 1967. The basic money of \$175,034 provided by the agreement was spent by a group of mining men working through Intercoal Resources Ltd. but the president says financing through this company did not properly materialize. Agreement was reached to terminate the agreement on the basis of issuing shares to the parent company of Intercoal for money and effort expended. This was done on the understanding that Intercoal will nominate 2 directors to assist in guiding the future management of the company.

Intercoal surrendered all its rights to Northern's property by agreement dated in October 1967. This required Northern to issue 1,000,000 treasury shares to Intercoal subject to the approval of the B.C. Supt. of Brokers, and subject to approval by Northern shareholders. At September 30, 1967, Northern had less than 600,000 unissued common shares and intends to ask shareholders to approve increasing auth. capital to 6,000,000 from present 5,000,000 shares, to permit satisfying this obligation to Intercoal.

During October and November, 1967, loans totalling \$22,500 were made to Northern by a director. These funds have been used to meet current payrolls and other operating expenses.

In addition to \$159,740 spent by Intercoal during the year under review, Northern Coal spend \$121,838, less \$29,000 recoveries from rentals etc., a net of \$92,334. These expenditures brought total expended to \$775,866 for deferred exploration and development. Current assets at September 30, 1967, were \$11,180 and current liabilities \$35,500. The 4,458,336 issued shares of Northern included those issued during the year as follows: 163,110 at 45¢ per share to net \$73,400; 256,638 at 40¢ per share to net \$102,655; 419,748 shares issued in settlement of \$176,055 in loans to the company by directors; and 120,000 shares issued to Intercoal as consideration for entering into the agreement.

In re-stating the objective of establishing tonnage and quality of coal sufficient for production, the president says the coal slope is being advanced on a one shift basis at this time, with a crew of 7 men and a cook, with over 20 tons of coal being produced per shift and stockpiled. The coal he adds, is dirty and unsalable until passed through a coal preparation plant.

Research on the contained resins was suspended by Intercoal to divert funds to prove the coking qualities of the coal, but will be resumed when funds are available.

Mr. Gallaway says that Dr. J. Black, cons. geologist, recently completed a report in which he estimated indicated and probable coal of almost 25 million tons. Cost of proving this tonnage he put at 6/10¢ per ton. He says future diamond drilling should prove further coal at a cost of about 4/10¢ per ton.

The president says completion of the coal slope on a one shift basis to 400 feet at 12 degrees as recommended by Dr. Black should be achieved by early February, 1968, and that this should be the final phase of exploration. From the lower level, he says an entry could then be driven southeast on the seam to connect with the ventilation slope and northwest 5,000 feet to establish the top level 8,000 feet long for future development to production. These plans, he adds would depend on marketability of the coal and obtaining adequate sales contracts.

NORTHSTAR COPPER MINES LTD.

WORK REVIEWED AT - Robert Tait, president of Northstar Copper Mines Ltd., told the first
ANNUAL MEETING company annual meeting that the program in the summer of 1967 provided considerable encouragement. The survey work on the property in the Omineca area of B.C. located four soil sampling anomalous areas within which five areas of mineralization have been located. He stated a shale bed 20 feet thick assaying 2.6% copper, a trench 24 feet long assayed 2.6% copper and another 57 foot trench assayed 1.4% copper. A six inch vein assayed 50.9% copper.

Diamond drilling totalled 2,091 feet in nine holes of which two intersected ore grade material. Hole No.5 averaged 1.384% copper over 44 feet and hole No.7 averaged 0.635% copper over 60 feet.

The company consultant, Dr. W.H. White, has recommended further work to include, magnetometer survey over the existing grid lines, intensive prospecting, bulldozer trenching across geochemical anomalies and diamond drilling for extensions of the areas of good grade intersections. His recommendations call for a 1968 program of initially \$127,000. The company is currently exploring the methods possible by which these funds may be raised.

FOR THE RECORD

T.C. Explorations Ltd. has reported that Annett Mackay Limited has exercised the January 5, 1968, option covering 200,000 shares at \$1.00 per share.

Whonnock Lumber Company Limited shares were listed on the Vancouver Stock Exchange on Dec. 21, 1967. Of the 500,000 class B shares of no par value, 460,777 shares are issued. Ticker symbol is WNL. Transfer agent is Commonwealth Trust Co.

NORTHSTAR COPPER MINES, LTD.

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CONSULTANT REVIEWS FIVE ZONES
OF MINERALIZATION OPENED TO DATE

- Northstar Copper Mines, Ltd. has reported that a crew of ten men has been on the property for the season carrying out a soil sampling and trenching program.

The 117 claim property is located 20 miles north of Takla Lake, and 90 miles northeast of Smithers, B.C. The property is accessible by float plane to Kaza Lake, B.C.

(See GCNL No. 241, page four, Dec. 14, 1966)

The following information is taken from a September 4, 1967 report by Dr. W.H. White, Consultant Geologist. At the end of the period under review, a geochemical survey had been completed, geological mapping was well advanced, three new mineral discoveries had been lightly trenched, and a preliminary diamond drilling programme initiated.

The geochemical survey, covering some 1,600 acres, involved cutting 168,100 feet of base-lines and cross-lines, collecting and analysing 800 soil samples for copper. Samples were spaced 200 feet apart on lines spaced 400 feet apart. In critical places, samples were taken at closer intervals. Statistical analysis of results indicates that copper contents of soil in excess of 100 ppm are anomalous. On this basis, four large anomalous areas have been outlined. These anomalies, up to 4000 feet long and 1,000 feet wide, are aligned roughly parallel both to surface contours and to the gross structural trend of underlying rocks. All of the known mineralized showings are within one or another of these anomalies.

An area of 600 acres has been mapped by plane table, part at a scale of one inch to 50 feet and the remainder at a scale of one inch to 100 feet.

To date, five mineralized showings have been discovered. These are: DB (north), RMT (main), BC, CV and CVH. The first two are original discoveries made in 1966, the other three are recent discoveries made during the course of line-cutting and geological mapping. They are irregularly distributed over a horizontal distance of 3200 feet and a vertical range of 700 feet.

No surface work has been done on the DB showings. The BC showing is a vein in andesite porphyry, ranging from 3 to 9 inches wide, exposed at short intervals for a horizontal distance of 100 feet. Both ends are concealed by overburden. The vein is composed essentially of primary chalcocite and bornite. A channel sample of fresh vein material across a true width of 6 inches assayed: Gold, 0.015 oz./ton; silver, 17.60 oz./ton; and copper, 50.90%. The hangingwall of this vein for a distance of at least 10 feet contains veinlets of bornite and chalcocite. Because of its favourable position on a rock bluff and its steep dip, the BC showing will be explored at shallow depth by a fan of short EX diamond drill holes totaling between 600 and 800 feet.

At the CVH showing, a trench of 80 feet long, exposes a flow contact zone of brecciated and highly vesicular rock. In addition to fairly abundant copper carbonates and oxides, this zone contains primary bornite, chalcocite and specular hematite. A large chip sample 24 feet long taken from this trench assayed: Gold, 0.005 oz./ton; silver, 0.15 oz./ton; and copper, 2.60%. From present exposures, neither the attitude nor true width of this interesting mineralized zone is readily apparent.

The CV showing, about 150 feet west of the CVH showing and from five channel samples taken from this working, values were: 6 ft., 1.25% copper; 8 ft., 0.25%; 12 ft., 3.30%; 12 ft., 0.80%; 12 ft., 1.60%; and 7 ft., 0.50% copper. It is very likely that the CV and CVH showings represent the same or closely associated mineralized zones, but more surface work will be needed to gain some idea of possible tonnages and grades.

A diamond drilling programme involving a minimum of 2,000 feet of AQ (wire-line) in at least four holes began on August 26th. This is a preliminary programme designed primarily to provide further information about the distribution, structure and sequence of cupriferous rocks. Tentative drill hole sites are widely-spaced in the general area between RMT and CV showings and these may be changed as information accumulates. The EX diamond drilling programme on the BC showing is an addition to the main programme.

In conclusion, Dr. W.H. White states he is well satisfied with exploration results obtained during the period under review. The detection of four large soil anomalies and the discovery of three new mineralized showings in an area almost devoid of outcrop suggest a wide distribution of cupriferous rocks. At the conclusion of the preliminary drilling programme about the end of September, all data will be reviewed and recommendations made for the next phase of exploration and development.

FOR THE RECORD

Altair Mining Corporation Ltd. has received B.C. Securities Act registration covering the sale of 130,000 shares at 25¢ per share with the shares underwritten by Carlisle, Douglas & Co. Ltd. by a prospectus dated September 12, 1967.

Continental Estates Corporation Ltd. has received B.C. Securities Act registration covering debentures creating a first floating charge by a prospectus dated August 28, 1967.

CORRECTION - Captain International Industries Ltd. the financial statements of the company reviewed in GCNL No. 181, page four, September 18, 1967, show expenses of \$206,320 for 16 months, and is a consolidated statement covering the operations from the company's three offices in Vancouver, Los Angeles and Philadelphia and include the expenses of the operations of Jack Morgan, vice-president of operations and Rocco M. Yannarell, Jr., vice-president of marketing.

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.

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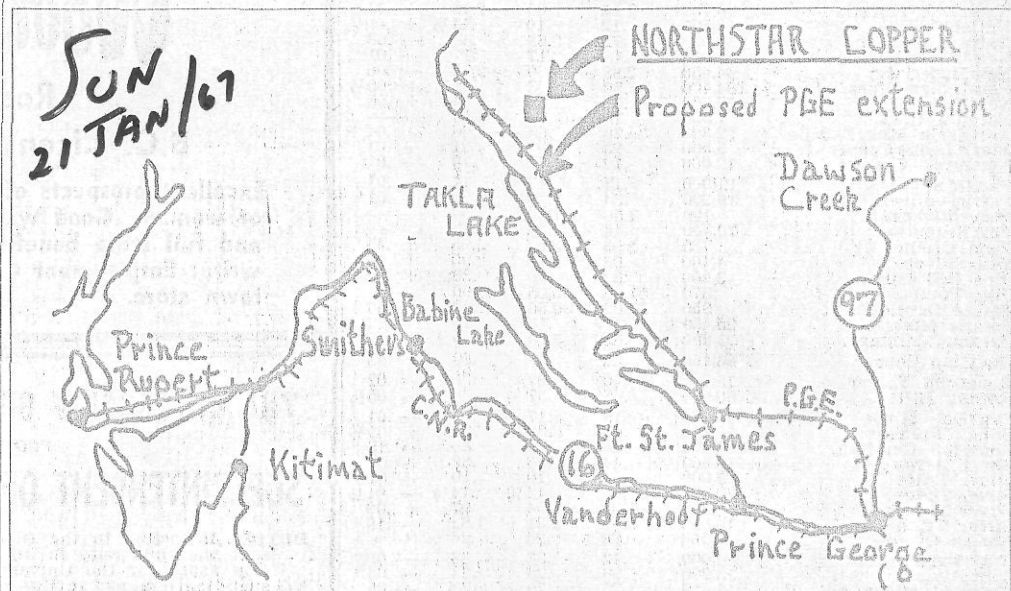
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NORTHSTAR COPPER MINES LTD. (N.P.L.)



NOTE — Presently scows ply the waters from Ft. St. James to the head of Takla Lake, and heavy equipment and concentrates would use this route until the proposed extension of the P.G.E. has been completed. Steel is now being laid into Ft. St. James.

The monies raised on the sale of the primary issue of Northstar Copper Mines Ltd. are slated to be used in the execution of the development program as laid out by Northstar Copper Mines consulting geologist, Dr. William H. White, Professional Engineer and Professor of Geology at the University of British Columbia.

This program includes geological mapping and surveying, geochemical surveys, and diamond drilling.

Dr. White in his report to the Board of Northstar Copper Mines concluded that: "These showings are the first discovery in British Columbia known to the writer of sedimentary copper deposits. The type is well-known elsewhere — for example, the Kupferschiefer that has been mined for centuries at Mansfield, Germany, and the White Pine Mine, Michigan. Under very special conditions copper accumulated to economic grade in ancient marine sediments having great lateral continuity. Though very little is known of the deposits in the Caribou Heart Range, they are of sufficient significance to warrant a good deal of study and exploration."

Northstar Copper Mines property, consisting of 92 claims, is some 20 miles north of Takla Lake. Northstar Copper Mines ore is syngenetic; that is, it was actually laid down from copper-rich waters at the same time as the shale bed was being formed.

The exposed sedimentary shale bed is twenty feet thick and open in all directions. The twenty-foot thick bed assays 2.6% copper with gold and silver values.

Although this is the first syngenetic sedimentary deposit known in British Columbia, this type of deposit is that which is mined extensively in the fabulous Katanga Copper Belt of Africa.

The Directors of Northstar Copper Mines are all Canadian citizens. They are Robert M. Tait, President and Exploration Geologist; Lorimer S. Thompson, Vice-President and Comptroller of Simpson-Sears; Gerald B. Phillips, Secretary-Treasurer and Chartered Accountant.

For a copy of the Prospectus, write:

NORTHSTAR COPPER MINES LTD.

c/o No. 325—1155 West Georgia Street, Vancouver, B.C.

Northern enquiries could be made through Mr. G. B. Phillips' Offices at Box No. 937, Smithers, B.C.

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LOCATION

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Reply in complete confidence to:

**A. PENROSE, Secretary-Treasurer,
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60 Sir Winston Churchill Avenue,
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