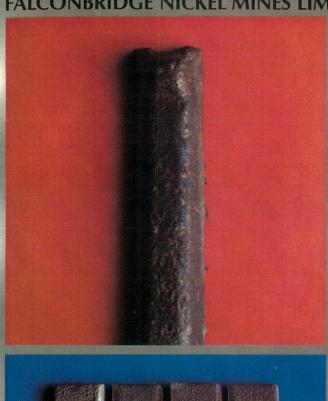
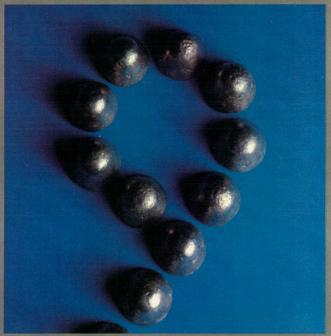
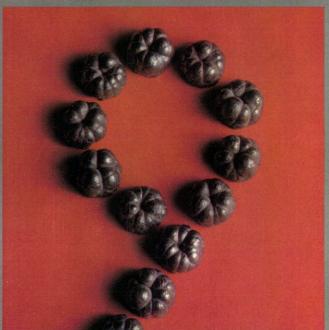
FALCONBRIDGE NICKEL MINES LIMITED ANNUAL REPORT

1979













SUMMARY OF CONSOLIDATED RESULTS		1979		1978
Financial:				
Earnings before extraordinary item – per convertible share	\$	110,561,000 \$21.01	\$	5,818,000 22¢
Earnings for the year	\$	130,561,000 \$25.03	\$	5,818,000 22¢
Revenues	\$	789,418,000 \$3.00	\$5	08,211,000 Nil
Assets Working capital	\$ 1	380,883,000 380,883,000		368,525,000 254,784,000
Shareholders' equity per convertible share Return on total assets less current liabilities		\$83.77 16.3%		\$61.94 1.7%
Metal sales prices (average for year - U.S. currency):			
Refined nickel (per pound)		\$2.31		\$1.94
Ferronickel (per pound)		\$2.41		\$1.82
Copper (per pound)		93¢		64 4
Cobalt (per pound)		\$29.12		\$12.25
*Gold (per ounce)		\$367.61		\$205.55
*Silver (per ounce)		\$16.64		\$5.77
Platinum (per ounce)		\$421.47		\$254.41
Metal sales:				
Nickel in all forms (pounds)		137,277,000		
Nickel in all forms (pounds)		149,192,000		140,647,000
Nickel in all forms (pounds)		149,192,000 1,502,000		118,361,000 140,647,000 1,255,000
Nickel in all forms (pounds)		149,192,000 1,502,000 129,000		1,255,000 1,255,000 161,000
Nickel in all forms (pounds)		149,192,000 1,502,000		1,255.000

* Includes equity accounted for companies.

Highlights:

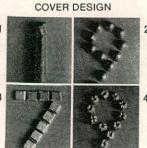
Record revenues and earnings.

Assets exceed one billion dollars.

Highest-ever prices for nickel, cobalt, gold, silver and platinum.

Nickel inventories, in all forms, were reduced to more normal levels.

Certain properties at which operations were curtailed in 1977 and 1978 were phased into production during 1979.



- 1. Ferronickel Ingot
- 2. Ferrocones
- 3. Copper and Nickel Squares
- 4. Nickel Crowns

Contents

SUMMARY Inside Front Cover

CORPORATE INFORMATION

2

DIRECTORS AND OFFICERS

3

REPORT OF THE DIRECTORS

5

AUDITORS' REPORT

15

ACCOUNTING POLICIES

16

FINANCIAL STATEMENTS

18

TEN-YEAR REVIEW

33

INTEGRATED NICKEL OPERATIONS Including Marketing Group Activities

37

MAJOR SUBSIDIARY AND ASSOCIATED COMPANIES

42

ANNUAL MEETING OF SHAREHOLDERS

TUESDAY, APRIL 15, 1980
10:00 A.M. (TORONTO TIME)
COMMERCE HALL
CONCOURSE LEVEL, COMMERCE COURT
TORONTO, ONTARIÒ

Offices

Corporate Offices — P.O. Box 40, Commerce Court West, Toronto, Ontario, Canada M5L 1B4 Telephone (416) 863-7000 Telex 065-24211. Cables "Falconbrij"

Sudbury Operations, Main Office – Falconbridge, Ontario P0M 1S0

Vancouver Office — 1112 West Pender Street, Vancouver, B.C. V6E 2S1

Among Wholly-Owned Operations

Falconbridge Nikkelverk Aktieselskap

Kristiansand S., Norway G. Lous — Chairman of the Board E. Wigstol — Managing Director

Wesfrob Mining Division

1112 West Pender Street, Vancouver, B.C. V6E 2S1 P. L. Munro — President C. L. Stafford — Mine Manager, Tasu, Queen Charlotte Islands, B.C.

Canadian Nickel Division

A. G. Slade — President, and General Manager Sudbury Operations

Sudbury Operations, Ontario -

Mines — Falconbridge, East, Strathcona, North*, Onaping, Lockerby

Mine Under Development - Fraser

Concentrators — Falconbridge, Strathcona

Smelter - Falconbridge

Marketing Subsidiaries

Falconbridge International Limited

Gibbons Building, Queen Street Hamilton 5-31, Bermuda Telephone (809) 292-4700 Telex 290-3479 Rapifax: 809-292-5441

Falconbridge Europe S.A.

150 Chaussée de La Hulpe — Bte. 15 B-1170 Brussels Belgium Telephone: (02) 673-99-50 Telex: (046) 23280 Rapifax: (02) 660-64-82

Falconbridge U.S. Incorporated

Seven Parkway Center Suite 450 Pittsburgh, Pennsylvania 15220 U.S.A. Telephone: (412) 922-0100 Telex: 866-507 Rapifax: 412-922-5515

Falconbridge Canada

P.O. Box 40, Commerce Court West Toronto, Ontario, Canada M5L 1B4 Telephone: (416) 863-7000 Telex: 065-24211 Rapifax: 364-8986

Products

Products of Falconbridge Nickel Mines Limited and affiliated companies include nickel, copper, cobalt, gold, silver, platinum, palladium, iridium, rhodium ruthenium, selenium, lead, iron ore, zinc, cadmium, nepheline syenite, silica, feldspar, mica, limestone aggregates, liquid sulphur dioxide, carbon and highalloy steel castings, and other products for consumer and industrial use.

Research Laboratories

Falconbridge Metallurgical Laboratories, Richmond Hill, Ontario; Kristiansand S., Norway.

Exploration Offices

Toronto, Sudbury and Timmins, Ontario; Quebec City, Quebec; Vancouver, B.C.; Winnipeg, Manitoba; St. John's, Newfoundland; Santo Domingo, Dominican Republic; Oslo, Norway; Johannesburg, South Africa; Windhoek, South West Africa; Gaborone, Botswana; and Manila, Philippines.

Solicitors

Tilley, Carson & Findlay, Toronto

Auditors

Clarkson Gordon, Toronto

Transfer Agents and Registrars

Crown Trust Company, Toronto, Montreal, Vancouver and Calgary

Registrar and Transfer Company

New York and Cranford, N.J., U.S.A.

Stock Exchanges

The shares of Falconbridge Nickel Min Limited are listed on the Toronto, Montreal and Vancouver stock exchanges.

The shares are also traded Over-the-Counter in the United States. The NASDAQ symbol is FALCF.

(* Temporarily closed; on stand-by)

Director Emeritus

C. F. H. CARSON, Q.C.

ek,

na:

nes

Board of Directors

H. T. BERRY, Senior Vice-President Metallurgy and Research

*MARSH A. COOPER, President and Chief Executive Officer

†O. D. COWAN, A director of a number of companies

W. G. DAHL, Senior Vice-President Marketing

*R. E. HARRISON, Chairman and Chief Executive Officer, Canadian Imperial Bank of Commerce

†ROBERT HEWITT, Chairman, Hewitt Equipment Limited

H. R. HIRSCH, Senior Vice President, The Superior Oil Company

*W. F. JAMES, Consulting Geologist

*H. B. KECK, Chairman and Chief Executive Officer, The Superior Oil Company

H. B. KECK, JR., Executive Vice-President and Chief Operating Officer, Maritime Bank of California

†D. E. LEWIS, Q.C., Barrister and Solicitor

G. P. MITCHELL, Senior Vice-President Exploration

*J. E. REID, President and Chief Operating Officer, The Superior Oil Company

EIVIND WIGSTOL, Managing Director, Falconbridge Nikkelverk Aktieselskap

* Member of the Executive Committee † Member of the Audit Committee

Officers and Corporate Management

J. E. REID, Chairman of the Board

MARSH A. COOPER,
President and Chief Executive Officer

H. T. BERRY, Senior Vice-President Metallurgy and Research

W. G. DAHL, Senior Vice-President Marketing

G. P. MITCHELL, Senior Vice-President Exploration

I. H. KEITH, Vice-President Ferronickel Division

J. D. KRANE, Vice-President Corporate Affairs and Secretary

G. T. ROBERTSON, Vice-President Personnel

J. L. MATTHEWS, Q.C., General Counsel and Assistant Secretary

H. L. HICKEY, Director Public Relations

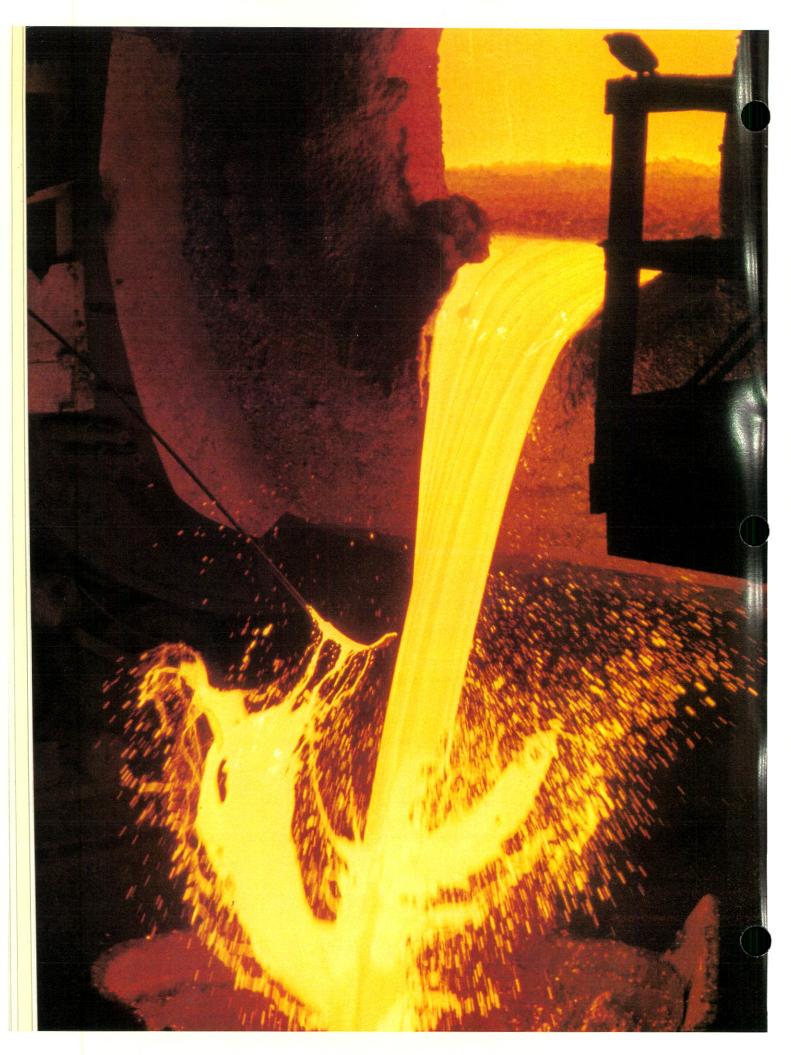
J. M. DONOVAN, Controller

N. H. WITHERELL, Treasurer

 A. R. PASIEKA, Director Mining Engineering and Research

PETER ZAHARUK, Director General Engineering

P.O. BOX 40, COMMERCE COURT WEST, TORONTO, ONTARIO, CANADA M5L 1B4



Report of the directors to the shareholders

Highlights of 1979

Stronger market demand and higher metal prices in 1979 propelled the Company's consolidated revenues and earnings to record levels. In addition, consolidated assets exceeded one billion dollars for the first time in the Company's history.

The recovery in the demand for nickel which began in 1978 became stronger in 1979 and there were periods during the year when demand exceeded supply, due partly to loss of production within the industry. Most of the producers continued to operate throughout 1979 at a rate substantially below capacity and this factor, combined with the improvement in demand, enabled producers and consumers to reduce their inventories to normal operating levels. Whether the accelerated rate of growth in demand experienced in 1979 will be sustained remains a question; however, the current balance between supply and demand is encouraging.

At Sudbury Operations, the Falconbridge and Strathcona Mines operated at full capacity throughout 1979 and the East, Onaping and Lockerby Mines were re-activated during the year. Production was stepped up gradually to about 60 per cent of capacity. This increased activity permitted the hiring of 758 additional employees, including all employees laid off in 1978 who wished to return to the Company. The second roaster-electric furnace line in the smelter at Sudbury Operations, which was being readied for production at year end, commenced operation in January, 1980.

Shipments increased substantially and inventories of nickel in all forms had declined by year end to 27,217,000 pounds from 44,009,000 pounds at the end of 1978.

The Company has been operating under an exemption granted by the Ontario Government to December 31. 1979, from a requirement to process in Canada ores mined from certain of its properties in the Sudbury Basin During 1979 the Company was notified of an Order-in-Council granting the exemption to December 31, 1989, applicable to a quantity of nickel-copper matte capable of producing annually not more than 100,000,000 pounds of refined nickel. This extension will give the Company more flexibility in planning the development of its Sudbury District mines. The Company is cognizant of the Ontario Government's aim to create employment through the further processing of ores in

Canada and will take this objective into account in its corporate planning.

Energy conservation efforts were intensified within the Falconbridge Group of companies during 1979 and have already resulted in significant cost savings at various operations. An Energy Policy Committee was established to undertake a comprehensive study of energy resources and alternatives, encompassing all properties within the Group.

Falconbridge Dominicana, C. por A. recorded a profit in 1979 compared with a loss in 1978. An increased volume of shipments and a higher net realized price for ferronickel accounted for the improvement in results. The continuing rise in fuel oil prices, however, adversely affected operating costs. A second electric furnace was re-commissioned in the first quarter of the year in order to meet market demand. Total sales of ferronickel to Falconbridge Nickel Mines Limited in 1979 were 54,130,000 pounds of contained nickel compared with 43,562,000 pounds in 1978.

The earnings of Falconbridge Copper Limited in 1979 were substantially higher than in 1978 because of higher metal prices and continued efforts to hold down costs. Production of copper, silver and gold decreased slightly, while zinc production was higher. In the Lake Dufault Division, preproduction work on the Corbet copper-zinc mine was completed by year end and production commenced in January, 1980. Falconbridge Copper's ore reserves decreased during 1979 by 670,000 tons to 8,565,000 tons at year end.

Consolidated sales revenues and net earnings of Indusmin Limited set new records in 1979. Modernization and expansion programs were carried out at the company's nepheline syenite and Quebec silica operations and at the steel castings foundry of Fahramet Limited, a wholly-owned subsidiary.

Revenue from metal shipments of United Keno Hill Mines Limited more than doubled in 1979 compared with 1978 and earnings increased five-fold due to the higher price of silver. Lower production of silver and lead in 1979 resulted from lower ore grade from open-pit operations. Ore reserves at the property have been increased.

As a result of the public offer made by The Superior Oil Company ("Superior") to purchase all of the capital stock of Canadian Superior Oil Ltd. ("Canadian Superior"), on the basis of 1.145 common shares of Superior and U.S. \$25.00 for each

Pouring nickel matte in the smelter – Falconbridge, Canada.

common share of Canadian Superior, the Company transferred its investment of 294,143 common shares of Canadian Superior to Superior on January 29, 1980, in exchange for 336,793 common shares of Superior and Cdn. \$8,534,000. A gain of approximately \$37,700,000, after estimated taxes, will be recorded in the 1980 accounts of the Company from this transaction.

Consolidated Earnings

Consolidated earnings for the year 1979 amounted to \$130,561,000 or \$25.03 per convertible share (after providing for preference share dividends of \$5,911,000). Included was an extraordinary credit of \$20,000,000 or \$4.02 per convertible share for deferred income taxes arising from prior years' losses. The record level of earnings in 1979 generally reflects a substantial increase in the average net selling prices for metals, a higher nickel and copper sales volume and the weaker Canadian dollar relative to the United States dollar.

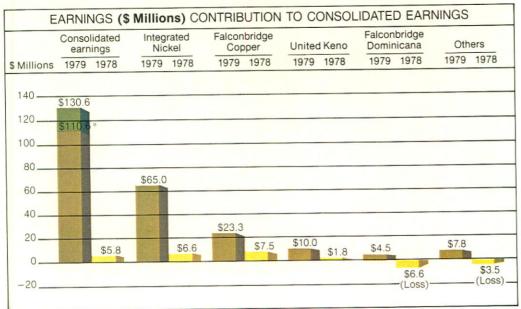
The improvement of \$124,743,000 over 1978 consolidated earnings of \$5,818,000 resulted from an increase of \$58,484,000 in the contribution by the Integrated Nickel Operations, an increase of \$42,376,000 from other controlled companies, a decrease of \$3,883,000 in unallocated corporate expenditures, and the extraordinary credit of \$20,000,000 for deferred income taxes.

The Integrated Nickel Operations contributed earnings of \$65,042,000 in 1979 compared with \$6,558,000 in the previous year. The improvement of \$58,484,000 mainly reflects higher metal selling prices, increased profits from the treatment and sale of custom materials, and increases of 18 per cent and 41 per cent, respectively, in the quantities of nickel and copper sold

In 1979 other controlled companies contributed a total of \$48,801,000 to consolidated earnings compared with \$6,425,000 in 1978. This increase of \$42,376,000 reflects increased contributions from all of the operating companies. The 1979 contribution from Falconbridge Copper Limited was \$23,277,000, an increase of \$15,779,000 over that of the previous year. Falconbridge Dominicana, C. por A. contributed \$4,508,000 compared with a loss of \$6,596,000 in 1978. United Keno Hill Mines Limited contributed \$10,035,000, up \$8,210,000 from 1978. Indusmin Limited contributed \$2,714,000, Oamites Mining Company (Proprietary) Limited contributed \$1,360,000 and Wesfrob Mines Limited contributed \$4,597,000, representing increases of \$687,000, \$955,000 and \$4,046,000, respectively, in 1979.

Greater income from higher cash deposits and increased interest rates, together with interest income from the Company's investment in Western Platinum Limited and higher commissions from agency sales, combined to reduce unallocated corporate expenditures from \$7,165,000 in 1978 to \$3,282,000.

Further details of the financial results



CONSOLIDATED CAPITAL EXPENDITURES BY GEOGRAPHICAL AREA IN 1979



CONSOLIDATED SOURCES AND APPLICATIONS OF WORKING CAPITAL (FUNDS) IN 1979

SOURCES OF FUNDS Ferronickel 16.1% Copper 19.1% Other metals 22.6%

APPLICATIONS OF FUNDS
SUPPLIERS
Canada 30.1%

Foreign 25.4% SALARIES AND WAGES (NET) Canada 12.3% Foreign 6.1% GOVERNMENT AGENCIES Foreign 1.8% Debt and other items 7.4% Dividends 3.6%

The total funds applied in 1979, before inventory and working capital adjustments, approximated \$705,000,000 of which \$391,000,000, 56 per cent, went to suppliers for operating supplies and fixed assets; and \$129,000,000, 18 per cent, represented take-home pay for employees. Taxes of various kinds to all levels of governments amounted to \$107,000,000, 15 per cent of total funds applied. Dividends paid to shareholders amounted to \$25,000,000, or 4 per cent of funds applied. While approximately 68 per cent of sales revenues were earned overseas, only 38 per cent of all funds utilized went to non-Canadian sources.

Other products

Sorrowings, shar ssues and other

The increased funds from product sales in 1979 reflected higher metal selling prices, a greater volume of base metal sales and a weaker Canadian dollar relative to the United States dollar. The increased application of funds generally reflected higher electrolytic nickel and ferronickel production activity in 1979, compared with the lower 1978 levels, a higher capital expenditure program and increased expenditures on exploration projects. The costs of labour and supplies, particularly fuel oil, were higher in 1979.

CONSOLIDATED CAPITAL EXPENDITURES BY GEOGRAPHICAL AREA

La constant de la con			
Smillions	%	\$millions	%
\$34.2	59%	\$27.7	64%
\$47.8	82%	\$34.5	80%
10.6	18	8.5	20
\$58.4	100%	\$43.0	100%
	\$34.2 \$47.8 10.6	\$34.2 59% \$47.8 82% 10.6 18	\$34.2 59% \$27.7 \$47.8 82% \$34.5 10.6 18 8.5

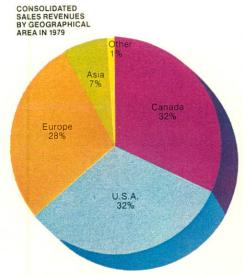
CONSOLIDATED SOURCES AND APPLICATIONS OF WORKING CAPITAL (FUNDS)

	197	9	1978	3
	\$millions	%	\$ millions	%
Sources of funds: Product sales –				
Refined nickel	\$226.7	27.1%	\$158.6	29.9%
Ferronickel	134.1	16.1	90.8	17.1
Nickel, all forms	360.8	43.2	249.4	47.0
Other metals (Zinc, cobalt and	159.4	19.1	102.2	19.3
precious metals)	188.7	22.6	103.8	19.6
Other products	80.5	9.6	52.8	10.0
Total product sales Borrowings and	789.4	94.5	508.2	95.9
share issues	4.0	0.5	8.2	1.5
Other	41.8	5.0	13.7	2.6
Total	835.2	100.0%	530.1	100.0%
Applications of funds: Suppliers-				
Canada	212.0	30.1%	175.3	36.5%
Foreign	179.2	25.4	82.6	17.2
Total	391.2	55.5	257.9	53.7
Salaries and wages (net)-				
Canada	86.5	12.3	78.0	16.2
Foreign	43.0	6.1	30.0	6.3
Total	129.5	18.4	108.0	22.5
Government agencies –				
Canada	94.3	13.3	56.0	11.6
Foreign	12.6	1.8	10.5	2.2
Total	106.9	15.1	66.5	13.8
Debt and other				
items Dividends to	52.4	7.4	41.4	8.6
shareholders	25.3	3.6	6.5	1.4
Total	705.3	100.0%	480.3	100.0%
Net total	129.9		49.8	
Adjustment – Reduction of prior years' metals inventory				
accumulations	3.8		50.6	
Working capital increase (decrease)	\$126.1		\$ (0.8)	

of individual operations and companies are presented in Statement 4 on page 28 and in the Summary of 1979 Consolidated Results by Quarters on page 32. Pages 37 to 48 include financial data and commentary on certain of the major subsidiary and associated companies.

Working Capital

Consolidated working capital increased by \$126,099,000 during 1979 to \$380,883,000 at December 31 Operations contributed \$208,326,000 and other sources contributed \$9,049,000. These contributions were partially offset by expenditures on property, plant, equipment, development and preproduction of \$58,352,000, dividend payments on the convertible shares of \$14,938,000, dividend payments on the preference shares of \$5,911,000, the reduction of long-term debt by \$7,650,000 and other items of \$4,425,000, consisting mainly of dividends to the minority shareholders of subsidiary companies.



CONSOLIDATED SALES REVENUES BY GEOGRAPHICAL AREA

	1979		1978			
	\$ millions	%	\$ millions	%		
U.S.A.	\$249.1	32%	\$166.4	33%		
Europe	222.7	28	194.6	38		
Others	67.3	8	54.1	11		
Total foreign	539.1	68	415.1	82		
Canada	250.3	32	93.1	18		
World total	\$789.4	100%	\$508.2	100%		

Return on Net Assets

Due to the improvement in the price of metals and the volume of sales in 1979, the return on consolidated assets less current liabilities increased from 1.7 per cent in 1978 to 16.3 per cent in 1979. This improved return on net assets helps compensate for the low return on investment in recent years.

Marketing Summary

Sales of Falconbridge nickel in all forms during 1979, including nickel refined and delivered on a commission basis, were 137,277,000 pounds compared with 118,361,000 pounds in 1978. This significant increase in shipments was the result of improvements in all major market sectors and some re-stocking of consumer inventories early in the year.

Higher producer prices for nickel in all forms were instituted during 1979. The average selling price per pound by the Company for refined nickel in 1979 was U.S. \$2.31 compared with U.S. \$1.94 in 1978. The average selling price per pound for ferronickel was U.S. \$2.41 in 1979 compared with U.S. \$1.82 in 1978.

The London Metal Exchange wirebar cash price for copper in 1979 averaged U.S. 90 cents per pound, up sharply from U.S. 62 cents per pound in 1978. Copper prices rose sharply in January and remained firm throughout the year, reflecting increased consumption and steadily declining refined metal stocks.

The producer price of cobalt rose from U.S. \$20.00 per pound at the beginning of the year to U.S. \$25.00 per pound by February, 1979 and remained at that level until year end. During 1978 the producer price of cobalt rose from U.S. \$6.40 per pound at the beginning of the year to U.S. \$20.00 per pound at year end. An increase in cobalt supply in 1979 together with a levelling of consumer demand has led to the current softening of the cobalt market.

Sales by the Company of metal products from the Integrated Nickel Operations and from the Ferronickel Operations were as follows:

	1979	1978
	(pou	nds)
Refined nickel		
in all forms	89,649,000*	74,884,000*
Ferronickel	47,628,000	43,477,000
Copper	44,733,000*	32,076,000*
Cobalt	1,502,000*	1,255,000*
* Includes met	al refined and so	old as agent
for the owner		

Sales of copper concentrates by subsidiary companies in 1979 contained 104,459,000 pounds of copper, 4 per cent lower than the 108,571,000 pounds sold in 1978. Sales of zinc contained in concentrate totalled 91,710,000 pounds in 1979, 7 per cent higher than the 1978 sales of 85,337,000 pounds.

Exploration

Consolidated exploration expenditures of Falconbridge and its subsidiary companies were \$14,297,000, an increase of \$6,635,000 over the 1978 level. Expenditures by Falconbridge Nickel Mines Limited and its whollyowned subsidiaries during 1979 were \$10,396,000, an increase of \$5,025,000 over those of the previous year.

The re-opening of three mines in Sudbury which were closed in the 1975-78 period provides the opportunity for increased exploration for new orebodies. During 1979, exploration

expenditures for new orebodies in the Sudbury area totalled \$2,214,000, an increase of \$1,224,000 over those of 1978. To maintain a strong ore position in the Sudbury Basin, a substantial increase in exploration activity is planned for 1980.

Regional exploration programs in Canada are directed from Company offices in Vancouver, Winnipeg, Sudbury, Timmins, Quebec City and St. John's. Falconbridge is also engaged in several exploration projects on a joint-venture basis with associated and other companies.

In the Yukon Territory, exploration work is undertaken through a joint venture managed by United Keno Hill Mines Limited.

In recent years, the Company has undertaken geological and geochemical research into parameters relating to the distribution of gold in major North American ore deposits. As a result of this work, a number of properties have been acquired for detailed exploration.

In southern Africa, the Company's principal efforts have again been focused in the Republic of Botswana where Falconbridge manages and holds a 50 per cent interest in major joint-venture exploration projects. One of these projects has been successful in locating a number of kimberlite pipes on Grants held under Special Prospecting Licences. Kimberlite pipes are the primary source of diamonds and evaluation procedures are in progress to determine whether any of the pipes contain diamonds in economic quantities. In eastern Botswana, a number of interesting base metal deposits are being investigated by underground and surface prospecting methods. Evaluation of these prospects will be continued during 1980.

Falconbridge is maintaining its position as a minority partner in a natural resource group engaged in the assessment of a major porphyry copper prospect in Chile. Drilling during the past two years has outlined a significant tonnage of enriched and primary copper mineralization. Underground workings are being driven in the enriched zone to provide a bulk sample for pilot plant metallurgical tests and to help in the evaluation of the orebody.

The Company's nickel laterite exploration program in Zambales

Province, Republic of the Philippines, was continued on a reduced scale during 1979. This program has been undertaken under agreements with Global Mining Resources Inc., Global Marine Inc., and Benguet Consolidated Inc.

Metallurgical Research and Development

Expenditures on research and development in 1979 were \$3,960,000 compared with \$3,086,000 in 1978. Metallurgical process work was directed mainly toward improving operations at Sudbury and at the Norwegian Refinery. Included were projects aimed at increasing the purity of electrolytic nickel and of the ferronickel produced in the Dominican Republic. Research in the field of nickel products resulted in the development of a superior nickelbaring alloy for high temperature application.

An analytical method for the quantitative determination of diamonds in drill core samples was developed in support of the Company's diamond exploration work.

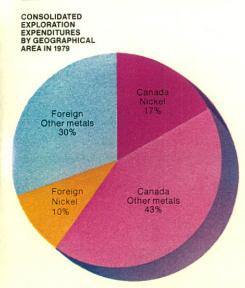
In support of associated companies' operations, methods were developed for increasing metal recoveries and obtaining marketable by-products.

Environmental Control

Falconbridge recognizes and accepts its responsibility to minimize pollution of the atmosphere, water and soil wherever operations are conducted, and to rehabilitate any areas that are unavoidably transformed environmentally. Currently the following activities are of particular significance in environmental control.

The activation of the second roasterelectric furnace line in the Sudbury smelter early in 1980 has essentially completed the Smelter Environmental Improvement Program. The Sudbury Operations are now well within the current emission levels of the timetable issued by the Ontario Government.

The new tailings disposal and waste water treatment system at Sudbury operated successfully throughout its first full year of use. The area downstream of the treatment plant has been showing rapid improvement. It has been designated as a conservation area



3d

3.

y

in

er

30

'8

1

g

oly

nt

0

0*

0

CONSOLIDATED EXPLORATION EXPENDITURES BY GEOGRAPHICAL AREA

			1979	9	1978	
		\$ m	illions	%	\$ millions	%
Canad	a-Nickel	\$ 2.4		17%	\$1.2	16%
	-Other metals		6.1	43	3.9	51
	- Total		8.5	60	5.1	67
Foreign	n – Nickel		1.4	10	0.6	7
	-Other metals		4.4	30	2.0	26
	-Total		5.8	. 40	2.6	33
World	-Nickel		3.8	27	1.8	23
	-Other metals		10.5	73	5.9	77
	-Total	5	14.3	100%	\$7.7	100%



because of the large number of water fowl at that location.

United Keno Hill Mines Limited has made a major improvement in effluent water quality by constructing a third control dam.

The Sturgeon Lake Division of Falconbridge Copper Limited has developed detailed plans for environmental rehabilitation of the plant area, in preparation for the termination of operations.

Falconbridge has represented Giant Yellowknife Mines Limited for several years on the Federal and Provincial Industrial Task Force on "Arsenic from Gold Roasting". As a result of studies by the Task Force, regulations have been proposed that are expected to give adequate protection to the environment and be economically acceptable to industry.

Falconbridge continues its active participation in two other Task Forces concerned with the environment, one related to Smelter Emission and the other to Gold Mine Water. Both Task Forces include representation from Environment Canada and other jurisdictions.

Shareholders

At December 31, 1979, there were 7,362 shareholders, of whom 5,505 were of Canadian registry holding 4,436,284 convertible shares. This represents 88 per cent of the 5,024,755 convertible shares outstanding after deduction of 45,483 shares held by subsidiaries. At the end of 1978 there were 8,351 shareholders of the outstanding convertible shares, of whom 6,367 were of Canadian registry holding 4,721,029 convertible shares representing 94 per cent ownership. In addition, 3,000,000 preference shares with par value of \$25.00 each were held by one shareholder of Canadian registry.

Dividends

As a result of the improved cash position of the Company, dividends on the Class A shares and Class B shares, which had not been paid since 1977, were reinstituted by the directors in 1979. Three dividend payments of

\$1.00 each per Class A and Class B share were made on June 29, September 28 and December 28, 1979. In addition, the directors declared dividends on the variable rate preference shares amounting to \$5,911,000 compared with \$4,732,000 in 1978. The increase in dividends on the preference shares was due to the increase in the prime lending rate of Canadian chartered banks.

Organization

With deep regret the directors record the death on March 13, 1979 of Mr. Nelson M. Davis, Chairman of the Board, N. M. Davis Corporation Limited, and a director of the Company since 1973. As a member of the Executive Committee and as Chairman of the Audit Committee of the Board of Directors, Mr. Davis made an extremely valuable contribution to the affairs of the Company.

Mr. D. E. Lewis, Q.C., Barrister and Solicitor, was nominated to replace Mr. Davis and was elected a director at the Shareholders' Meeting on April 11, 1979. Mr. Lewis was subsequently elected Chairman of the Audit Committee.

Mr. John B. Connally, Senior Partner in the law firm of Vinson & Elkins and a director of the Company since 1973, resigned as a director on May 7, 1979 to seek political office in the United States. Mr. Connally served the Company with distinction during his years as a director and his counsel was sincerely appreciated by his colleagues on the Board.

On September 10, 1979 Mr. E. L. Healy, President and Chief Executive Officer, Mine-Met Consultants of Canada Limited, resigned as a director. Mr. Healy, a member of the Board since 1967, rendered valuable service as a director and as an officer of the Company for many years.

Mr. B. R. Dorsey resigned as a director on January 10, 1980. His contribution to the Company's affairs since joining the Board in 1978 has been greatly appreciated by his colleagues.

To fill the vacancies created by the resignations of Messrs. Connally, Healy and Dorsey, the directors elected Messrs. H. T. Berry and Eivind Wigstol as directors of the Company at a meeting

of the Board on September 10, 1979, and Mr. H. R. Hirsch as a director at the meeting of the Board on February 27, 1980. Mr. Berry is Senior Vice-President Metallurgy and Research of the Company and Mr. Wigstol is Managing Director of Falconbridge Nikkelverk A/S, a subsidiary company which operates the refinery in Norway. Mr. Hirsch is Senior Vice President of The Superior Oil Company.

At the September, 1979 meeting the directors approved changes in the titles of four senior officers of the Company: President and Managing Director was re-designated President and Chief Executive Officer; Mr. W. G. Dahl, formerly Group Vice-President, became Senior Vice-President Marketing; Mr. G. P. Mitchell, formerly Group Vice-President, became Senior Vice-President Exploration; and Mr. H. T. Berry, formerly Vice-President Metallurgy and Research, became Senior Vice-President Metallurgy and Research.

Personnel

In 1978 the Company announced the initiation of a major program to strengthen its base in human resources and to develop management potential for the future. During 1979 the performance appraisal portion of this program was launched as part of an ongoing program of personnel development.

Several collective agreements were negotiated throughout the year. Included were two settlements reached

in Sudbury: a three-year agreement with the Sudbury Mine, Mill and Smelter Workers' Union, Local 598, on behalf of production and maintenance employees, and a three-year agreement with the Office, Clerical and Technical Employees' Union on behalf of unionized office staff.

During the year increased activities within the Falconbridge organization provided 1,561 additional jobs. At the end of 1979 the Falconbridge Group of companies had a total of 14,196 employees, compared with 12,635 in the previous year.

Appreciation

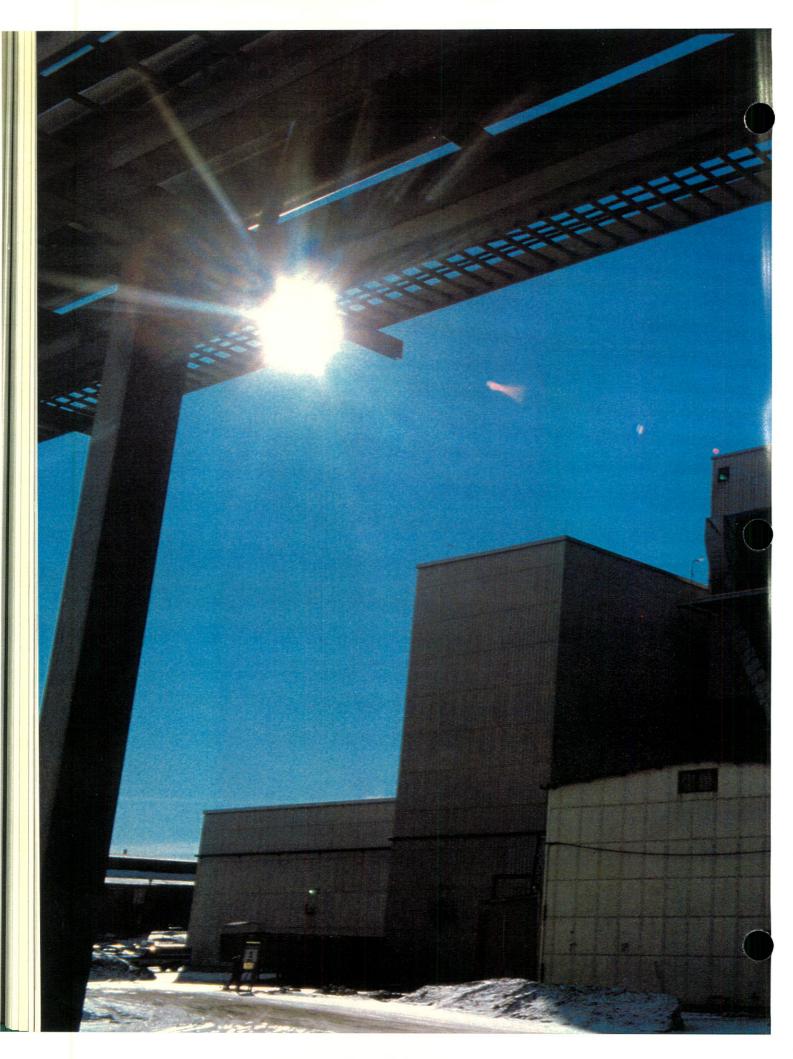
The directors of the Company express their gratitude to management and employees at all locations for the outstanding results achieved in 1979. The continuing support of shareholders, customers, contractors and suppliers is also gratefully acknowledged.

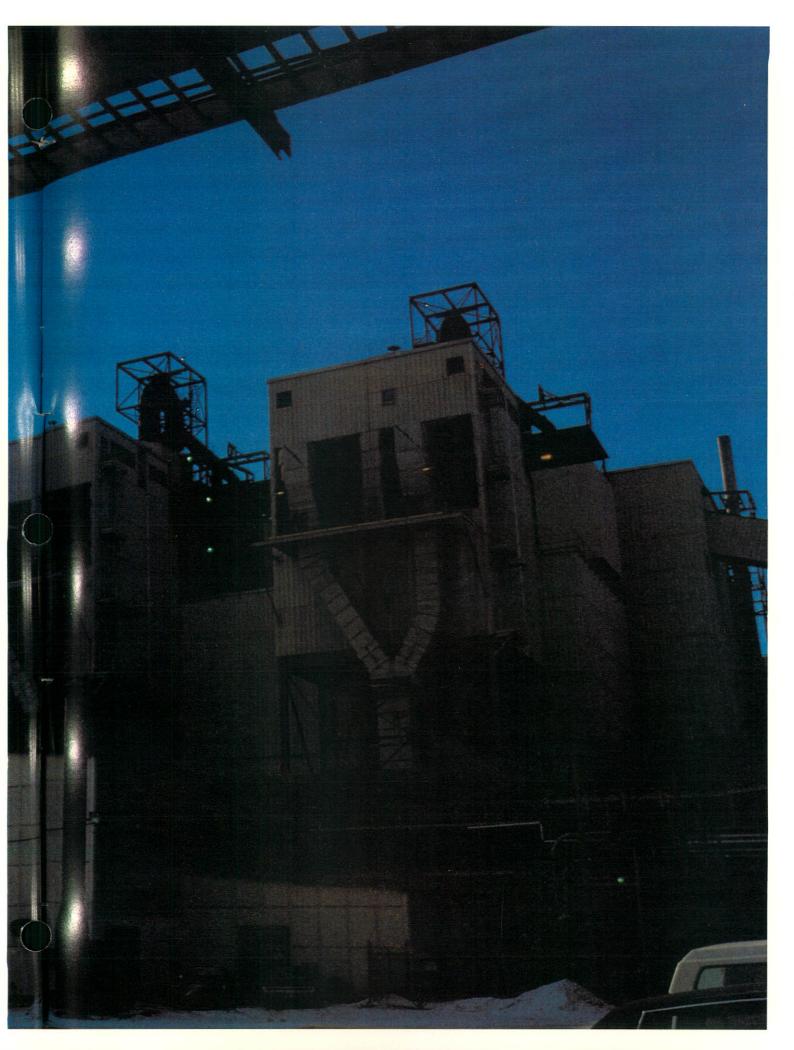
On behalf of the Board of Directors:

MARSH A. COOPER, President and

Chief Executive Officer.

Toronto, Ontario. February 27, 1980.







CONSOLIDATED FINANCIAL STATEMENTS

ACCOUNTING RESPONSIBILITIES, PROCEDURES AND POLICIES

The Board of Directors which, among other things, is responsible for the consolidated financial statements of the Company, delegates to management the responsibility for the preparation of the statements. Responsibility for their detailed review is delegated by the Board to the Company's audit committee, which reports its findings to the Board. Each year the shareholders appoint independent auditors to examine and report directly to them on the financial statements.

In preparing the financial statements great care is taken to use the appropriate generally accepted accounting principles and estimates considered by management to present fairly and consistently the consolidated financial position and the results of operations. The significant accounting policies followed by Falconbridge are summarized on pages 16 and 17.

The accounting systems employed by Falconbridge include appropriate controls, checks and balances to provide reasonable assurance that Falconbridge's assets are safeguarded from loss or unauthorized use as well as facilitating the preparation of comprehensive, timely and accurate financial information. The internal auditors, who are employed by the Company as part of management, play an integral part in the effective operation of the system. There are limits inherent in all systems of internal accounting control based on the recognition that the cost of such systems should not exceed the benefits to be derived. Falconbridge believes its system provides the appropriate balance in this respect.

The Company's audit committee is appointed by the Board of Directors annually and is comprised of three non-management directors. The committee meets with management and with the independent auditors (who have free access to the audit committee) to satisfy itself that each group is properly discharging its responsibilities and to review the financial statements and the independent auditors' report. The audit committee reports its findings to the Board of Directors for their consideration in approving the financial statements for issuance to the shareholders.

D. E. Lewis, Q.C. Chairman of the Audit Committee

M. A. Cooper President and Chief Executive Officer J. D. Krane Vice-President Corporate Affairs and Secretary

Clarkson Gordon

Chartered Accountants

P.O. Box 251 Toronto-Dominion Centre Toronto, Canada M5K 1J7 (416) 864-1234

AUDITORS' REPORT

To the Shareholders of Falconbridge Nickel Mines Limited:

We have examined the consolidated balance sheet of Falconbridge Nickel Mines Limited as at December 31, 1979 and the consolidated statements of earnings, retained earnings and changes in financial position for the year then ended. We have also examined the statement of supplementary information as at December 31, 1979 and the statement of investment in associated and other companies as at December 31, 1979 and for the year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as we considered necessary in the circumstances.

In our opinion, these consolidated financial statements present fairly the financial position of the company as at December 31, 1979 and the results of its operations and the changes in its financial position for the year then ended, and the statement of supplementary information and the statement of investment in associated and other companies present fairly the information set forth therein, all in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year after giving retroactive effect to the change in accounting for investments described in note 2(a).

Toronto, Canada, February 7, 1980 Charles Chowlon
Chartered Accountants

ACCOUNTING POLICIES

The financial statements of Falconbridge Nickel Mines Limited and its subsidiaries have been prepared by management in accordance with accounting principles generally accepted in Canada, consistently applied. In these statements, references to the Company include only Falconbridge Nickel Mines Limited, the parent company, and references to Falconbridge include the Company, its consolidated subsidiaries and associated companies. The principal accounting policies followed by Falconbridge are summarized hereunder to facilitate review of the consolidated financial statements.

A. Basis of consolidation and accounting standards

Investments in subsidiary companies (owned more than 50%) and significantly influenced companies are accounted for as follows:

- (i) Falconbridge generally consolidates the financial statements of subsidiary companies and accounts on an equity basis for those companies over which it exercises significant influence (see note 2(a), page 22). Those companies incorporated in foreign countries in which there are significant restrictions on the transfer of funds are accounted for on a cost basis;
- (ii) The differences between the interest in the book value of the net assets of certain consolidated subsidiaries and the carrying value of the investments are allocated to the subsidiary's asset accounts based on their fair values at the date of acquisition. For consolidated operating subsidiaries, the differences are depreciated, depleted or amortized in accordance with Falconbridge's accounting policy for the related asset; and
- (iii) For consolidation purposes foreign subsidiaries' foreign currency financial statements are restated to accord with Falconbridge's accounting policies.

B. Translation of foreign currencies

Foreign currency transactions and account balances have been translated into Canadian dollars as follows:

- (i) Current assets and current liabilities are translated into Canadian dollars at approximate quoted rates of exchange at year-end;
- (ii) Items included in property, plant and equipment, other assets, and non-current liabilities are translated into Canadian dollars at rates of exchange prevailing when they were acquired or incurred;
- (iii) Revenues and expenses are translated into Canadian dollars at the approximate average monthly quoted rates of exchange, except that provisions for depreciation, depletion and amortization are translated at the rates used to translate the related assets;
- (iv) Realized foreign exchange gains and losses are included in earnings; and
- (v) On translation of foreign subsidiaries' financial statements for consolidation purposes, net unrealized gains are deferred and losses are reflected in earnings.

C. Revenue recognition

Revenues from the sale of refined metals, ferronickel, industrial minerals and metal castings are recorded in the accounts when legal title passes to the buyer.

Where metals contained in concentrate are sold under contracts, estimated revenues are recorded in the accounts during the month when the concentrates are produced. The estimated revenues may be subject to adjustment on final settlement or may be adjusted prior to final settlement, usually three or four months after the date of production, to reflect changes in metal market prices and weights and assays.

D. Valuation of inventories

Inventories are valued as follows:

- (i) Metals inventories are valued at the lower of cost and net realizable value. Cost includes direct labour and material costs as well as administrative expenses at the operating properties but excludes development, preproduction and depreciation write-offs.
 - The cost of inventories derived from the Company's ore is determined monthly on a "last-in, first-out" basis, the cost of inventories derived from the subsidiaries' ore and other sources is determined on a "first-in, first-out" basis; and
- (ii) Supplies inventories are valued at the lower of average cost of acquisition and replacement cost

E. Property, plant and equipment

Property, plant and equipment and related expenditures are accounted for as follows:

- (i) All property, plant and equipment and related deferred development and preproduction expenditures are recorded at cost and include, where appropriate, the fair value adjustments referred to in policy (A) (ii) above;
- (ii) The Company calculates depreciation on a straight-line basis at rates designed to amortize plant and equipment over the lesser of their useful lives or the lives of the producing mines to which they relate, limited to a maximum of twenty-five years. Generally the subsidiary companies calculate depreciation on a straight-line basis at rates varying from 5% to 25%. Depreciation is provided on the unit of production basis by Wesfrob Mines Limited and by Falconbridge Copper Limited for certain of its properties;
- (iii) Idle plant and equipment resulting from the temporary curtailment of operations continue to be depreciated. Care and maintenance costs during the standby period are expensed as incurred;
- (iv) Idle plant and equipment resulting from the termination of operations are carried at estimated salvage value. Upon sale or abandonment, the cost of the fixed assets and the related accumulated depreciation are removed from the accounts and any gains or losses thereon are taken into earnings;
- (v) Depletion of properties is provided over a period equal to the lesser of the estimated life of the resources recoverable from the properties, or twenty-five years;
- (vi) Development and preproduction expenditures are deferred until the commencement of commercial production. These, together with certain subsequent development expenditures which are also deferred, are written off at rates designed to amortize the expenditures over periods not longer than the lives of the producing mines or properties; and
- (vii) Repairs and maintenance expenditures are charged to operations or development and preproduction; major betterments and replacements are capitalized.

F. Exploration

Exploration costs incurred to the date of establishing that a property has reserves which have the potential of being economically recoverable are charged against earnings; further costs are generally capitalized and then amortized as appropriate under policy E above.

G. Research and process development

Research and process development costs are charged against earnings as incurred.

H. Retirement plans

The costs of retirement plans are charged against earnings in the year premiums or required fundings are payable and include amounts for current service and amortization of past service costs. Past service costs are generally being amortized and funded over periods of up to fifteen years.

Income and mining taxes

All companies follow the deferral method of applying the tax allocation basis of accounting for income and mining taxes. Under this method timing differences between the period when income or expenses are reported for tax purposes and the period when they are recorded in the accounts result in provisions for deferred taxes.

Where appropriate, income taxes and withholding taxes are provided on the portion of any interest in consolidated foreign subsidiaries' undistributed net income since acquisition which it is reasonable to assume will be transferred in a taxable distribution.

J. Stock option plan

The cost to the Company of shares optioned under the plan is allocated over a period of four years from the date options are granted, according to the terms of the plan, and is measured as the amount by which the quoted market value of the Company's shares covered by the grant exceeds the option price specified under the plan throughout the period that options remain outstanding.

Stock option plan costs expensed are included in the accounts payable and accrued charges classification of the consolidated balance sheet until the options are exercised (see note 10, page 26).

K. Earnings per convertible share

Earnings per convertible share are computed using the weighted average number of shares outstanding (excluding shares held by subsidiary companies).

The preference shareholder's prior claim is deducted from earnings for purposes of this calculation.

(Incorporated under the laws of Ontario)

CONSOLIDATED BALANCE SHEET - DECEMBER 31, 1979

(With comparative figures for 1978)

ASSETS

	1979	1978
	(000's)	(000's)
CURRENT:		(restated)
		(note 2)
Cash and temporary investments, at cost which approximates market value (note 9, page 24)	\$ 259.353	\$ 103,526
Accounts and metals settlements receivable (note 12, page 26)	155,980	130,679
Inventories of metals (note 7, page 23)	80,664	84,481
Inventories of supplies	40,369	33,549
	536,366	352,235
PROPERTY, PLANT AND EQUIPMENT (note 8, page 23):		
Producing assets –		
Plant and equipment, at cost	626,579	598,055
Land and properties, at cost	24,248	23,455
	650,827	621,510
Less accumulated depreciation and depletion	373,940	345,301
	276,887	276,209
Development and preproduction expenditures, at cost less amounts written off	87,749	91.392
icos amounts whiten on	364,636	367.601
Non-producing assets —	001,000	100,100
Properties and projects, at cost		
less amounts written off	105,743	88,913
	470,379	456,514
OTHER:		
Investment in associated and other companies		
(Statement 5, page 31)	57,337	53,892
Deposits, long-term accounts receivable and other assets, at cost	2,533	2,722
Debt discount and issue expenses, at cost less amounts written off	2,756	3,162
	62,626	59,776
	\$ 1,069,371	\$ 868,525

LIABILITIES AND SHAREHOLDERS' EQUITY

	1979	1978
	(000's)	(000's)
CURRENT		(restated)
CURRENT:	6 4405	(note 2)
Bank indebtedness	\$ 4,185	\$ 4,080
Accounts payable and accrued charges	72,770	56,926
Salaries and wages payable	17,976	11,680
Income and other taxes payable	46,130	18,927
Long-term debt maturing within one year	14,422	5,838
	155,483	97,451
LONG-TERM DEBT (note 9, page 24):		
Falconbridge Nickel Mines Limited	171,994	173,244
Falconbridge Dominicana, C. por A	108,394	118,554
Other companies	6,782	3,205
	287,170	295,003
DEFERRED INCOME AND MINING TAXES (note 6, page 22)	41,973	23,687
MINORITY INTEREST	88,824	66,183
SHAREHOLDERS' EQUITY:		
Capital (note 10, page 26) –		
Authorized:		
3,000,000 Preference shares of the par value of \$25 each		
7,001,000 Convertible shares without par value		
1,000 Common shares without par value		
Issued:		
3,000,000 Preference shares	75,000	75,000
5,024,755 Convertible shares in 1979 (5,024,455 shares in 1978)	89,368	89,360
	164,368	164,360
Retained earnings (notes 9, 10 and 11, pages 24 and 26)	334,732	225,020
	499,100	389,380
Less 45,483 convertible shares held by subsidiary companies, at cost	(3,179)	(3,179
在一个一个任何的特殊的特别。	495,921	386,201
On behalf of the Board:		
Macooper N.S. Leins	B 1 000 271	0.00.505
Director	\$ 1,069,371	\$ 868,525

CONSOLIDATED STATEMENTS OF EARNINGS AND RETAINED EARNINGS

FOR THE YEAR ENDED DECEMBER 31, 1979 (With comparative figures for 1978)

CONSOLIDATED STATEMENT OF EARNINGS (See additional details — Statement 4, page 28)	1979 (000's)	1978 (000's) (restated) (note 2)
Revenues	\$ 789,418	\$ 508,211
Operating expenses:		
Costs of metal and other product sales	469,083 34,136	379,995 29,932
Selling, general and administrative expenses	11,019	11,731
Depreciation and depletion	31,613	29,182
	545,851	450,840
Operating profit	243,567	57,371
Interest and amortization of debt expenses (net of interest and other income of		
\$21,815,000 in 1979 and \$8,183,000 in 1978)	14,274	25,507
Expenditures on exploration	14,297	7,662
Expenditures on research and process development	3,960	3,086
	32,531	36,255
	211,036	21,116
Income from investment in associated and other companies (Statement 5, page 31)	17,589	4,751
Earnings before taxes and other items	228,625	25,867
Current	54,100	19,087
Deferred	36,898	(6,466)
	90,998	12,621
Earnings before minority interest and extraordinary item	137,627	13,246
Minority shareholders' interest in earnings of subsidiary companies	27,066	7,428
Earnings for the year before extraordinary item	110,561	5,818
Extraordinary item (note 3, page 22)	20,000	5.010
Earnings for the year	130,561	5,818
Dividend requirement on preference shares	5,911 \$ 124,650	\$ 1.086
Earnings applicable to convertible shares	\$ 124,630	<u>\$ 1,000</u>
Before extraordinary item	\$21.01	22¢
For the year	\$ 25.03	22¢
For the year	\$25.05	≝*
CONSOLIDATED STATEMENT OF RETAINED EARNINGS		
Retained earnings, beginning of year: As previously reported	\$ 223,074	\$ 222,306
Adjustments relating to prior years (note 2, page 22): Change in accounting policy	(1,350)	(1,553)
Income and mining taxes	3,296	3,181
As restated	225,020	223,934
Earnings for the year	130,561	5,818
	355,581	229,752
Dividends:		
Convertible shares (\$3.00 per share in 1979)	(14,938)	
Preference shares (\$1.97 per share in 1979; \$1.577 per share in 1978)	(5,911)	(4,732)
Retained earnings, end of year	\$ 334,732	\$ 225,020
(Ot to Eduted Fid statemosts)		

(See notes to consolidated financial statements)

CONSOLIDATED STATEMENT OF CHANGES IN FINANCIAL POSITION

FOR THE YEAR ENDED DECEMBER 31, 1979 (With comparative figures for 1978)

	1979 (000's)	1978 (000's) (restated) (note 2)
Sources of working capital (funds):		
From operations, being — Earnings for the year before extraordinary item	\$ 110,561	\$ 5,818
nor provide funds:		
Depreciation and depletion	31,613	29,182
Development and preproduction expenditures written off	11,019	11,731
Amortization of debt expenses	223	269
Income and mining taxes deferred	38,286	(6,466)
Minority shareholders' interest in earnings of subsidiary companies	27,066	7,428
Gains on disposal of fixed assets	(107)	(1,198)
Gains on disposals and write-off of investments (net)	(1,666)	(245)
Interest in earnings of companies accounted for on an equity basis in excess of dividends received	(8,669)	(1,191)
Total from operations	208,326	45,328
Proceeds from investments (1979 – includes \$4,376,000 reclassified as a current	200,020	45,020
asset)	6,890	381
Proceeds from disposal of fixed assets	1,962	1,859
Issue of convertible shares, stock options exercised	8	360
Decrease (increase) in other non-current assets	189	(204)
Reclassification of long-term debt maturing within one year (note 9, page 24)		7,828
	217,375	55,552
Property, plant and equipment expenditures Development and preproduction expenditures Changes in minority interest, including dividends paid by consolidated subsidiary companies of \$4,471,000 in 1979 (\$1,750,000 in 1978) Decrease in long-term debt (net) Dividend payments on the preference shares Dividend payments on the convertible shares Increase (decrease) in working capital during the year	34,072 24,280 4,425 7,650 5,911 14,938 91,276 \$ 126,099	29,197 13,767 4,756 3,908 4,732 56,360 \$ (808)
Changes in components of working capital:		
Increase (decrease) in current assets —		
Cash and temporary investments	\$ 155,827	\$ (17,761)
Accounts and metal settlements receivable	25,301	44,717
Inventories	3,003	(50,281)
	184,131	(23,325)
Increase (decrease) in current liabilities —		
Bank indebtedness	105	(6,621)
Long-term debt maturing within one year	8,584	(7,414)
Other current liabilities	49,343	(8,482)
	58,032	(22,517)
Increase (decrease) in working capital during the year	126,099	(808)
Working capital, beginning of year	254,784	255,592
Working capital, end of year	\$ 380,883	\$ 254,784
(See notes to consolidated financial statements)		

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS DECEMBER 31, 1979

1. Accounting policies

The principal accounting policies followed by Falconbridge are summarized on pages 16 and 17.

2. Change in accounting policy and prior years' adjustment

(a) Change in accounting policy:

To accord with a recent Canadian Institute of Chartered Accountants recommendation, investments in those companies over which Falconbridge has the ability to exercise "significant influence" are now accounted for on the equity basis. Prior to 1979 these investments were accounted for on the cost basis.

(b) Prior years' adjustment:

- (i) For comparative purposes certain prior years' figures have been restated, from those previously published, to reflect the change in accounting policy detailed in note 2(a) above; and
- (ii) Income and mining tax re-assessments were received by the Company relating to 1974 and prior years, including interest.

The consolidated earnings previously reported for 1978 were increased by \$203,000 as a result of the change in accounting policy and increased by \$115,000 as a result of the tax re-assessments.

3. Extraordinary item

The extraordinary item of \$20,000,000 reflects the reduction of deferred income taxes resulting from the carry-forward of prior losses (see note 6 below).

4. Translation of foreign currencies

- (a) If translated into Canadian dollars at the year-end rates of exchange long-term debt would increase by \$27,925,000 to \$315,095,000. This change is not necessarily indicative of the amount repayable when the obligations are retired.
- (b) Net realized exchange gains on foreign currency transactions amounting to \$1,151,000 in 1979 (1978 \$28,000) have been recorded in earnings; net unrealized gains on translation of foreign subsidiaries' financial statements for consolidation purposes, before minority interest, amounting to \$10,582,000 at December 31, 1979 (1978 \$12,729,000), have been deferred and included in accounts payable and accrued charges.

5. Retirement plans

The Company and certain of its subsidiaries maintain retirement plans providing retirement, death and termination benefits for substantially all salaried and hourly rated employees.

Total pension expense for the year was \$8,798,000 (1978 — \$9,741,000) including past service costs of \$3,238,000 (1978 — \$4,584,000). Based on the most recent actuarial evaluation, the unfunded past service costs (including the costs of improvements which went into effect on January 1, 1980) for all pension plans in effect at December 31, 1979 are estimated to amount to approximately \$52,500,000 (1978 — \$32,500,000) including \$36,500,000 (1978 — \$18,000,000) which is computed to have vested. While the companies have no legal liability with regard to the past service costs, including that portion which has vested, the companies' present intention is to discharge such unfunded past service costs over periods of up to fifteen years.

Income and mining taxes

Losses of \$49,000,000 incurred prior to 1979 were available to reduce the 1979 taxable income. These losses gave rise to a \$20,000,000 deferred tax debit which was not recorded in the accounts at December 31, 1978 (see note 3 above).

For 1979 the difference between the amount of the reported consolidated provision for income and mining taxes and the amount computed by multiplying the earnings before taxes by the Company's applicable tax rates is as follows —

	Canadia	in taxes		
	Federal and provincial income taxes	Provincial mining taxes	Foreign taxes	Total
	(000's)	(000's)	(000's)	(000's)
Earnings before taxes	\$ 198,682	\$ 198,682	\$ 29,943	\$ 228,625
Company's tax rates	49%	29%*	49%	
Earnings before taxes multiplied by the Company's tax rates Taxes reported in accounts	\$ 97,354 55,756	\$ 57,618 28,711	\$ 14,672 6,531	\$ 90,998
Decrease to be reconciled	\$ (41,598)	\$ (28,907)	\$ (8,141)
Reconciliation, tax effect of — (1) Non-claimable expenses (2) Resource, depletion, processing and inventory allowances (3) Adjustments because of differences in companies' tax rates (4) Non-taxable income	\$ 2,498 (38,094) 289 (6,291) \$ (41,598)	\$ 14,339 (23,379) (4,412) (15,455) \$ (28,907)	\$ 1,075 (393 (1,395 (7,428 \$ (8,141	

^{*} Average determined from the graduated scale which ranged from 0% to 40% from January 1 to April 10 and from 0% to 30% from April 11 to December 31.

No taxes have been provided by the Company in respect of the earnings of its wholly-owned subsidiary, Falconbridge International Limited (Bermuda), as a result of the Company's present intention not to repatriate, to Canada, its earnings of U.S. \$20,459,000 accumulated to December 31, 1979 (U.S. \$7,169,000 to December 31, 1978).

Falconbridge Dominicana, C. por A. (Falcondo), a subsidiary company, has received income tax assessments from the Dominican Government for the 1972 and 1973 fiscal years approximating Cdn. \$5,600,000. Falcondo is presently appealing these assessments and, based on the opinion of management and counsel, the company has not provided for and believes that there will be no material adjustments required to the consolidated accounts.

7. Inventories of metals

Consolidated metals inventories consist of the following:

	1979		1978		8		
	-	Metals in process	-	Finished metals	Metals in process	Finishes meta	
		(000's)		(000's)	(000's)		(000's)
Derived from: Company's ore Subsidiaries Other sources	\$	14,460 5,593 3,535	\$	15,198 40,892 986	\$ 14,890 4,240 7,039	\$	43,410 14,021 881
	\$	23,588	\$	57,076	\$ 26,169	\$	58,312
Total inventories of metals		\$ 80	0,66	64 =	\$ 8	4,4	81

Inventories derived from the Company's ore are valued on the "last-in, first-out" basis. If these inventories were valued at current cost the December 31, 1979 inventories of metals value on the consolidated balance sheet would increase by approximately \$31,470,000 (1978 — \$34,982,000).

The inventory of finished nickel in all forms totalled 27,217,000 pounds at December 31,1979 (1978-44,009,000 pounds).

8. Property, plant and equipment

(a) The following table reflects the net book value of the consolidated property, plant and equipment on a functional basis (see note 3 of the notes to statement of supplementary information, page 30).

		1979			1978	
	Cost	Accumulated depreciation and depletion	Net book value		Accumulated depreciation and depletion	Net book value
	(000's)	(000's)	(000's)	(000's)	(000's)	(000's)
Property, plant and equipment:						
Producing assets –						
Plant and equipment:						
Mines, mining plants and	2070.050	0044 444	0100 000	***********	****	0110710
ancillary mining assets	\$378,050		\$136,906	\$368,707	THE RESERVE OF THE PARTY OF THE	\$143,749
Smelter	104,633		77,250	100,369	THE RESERVE OF THE PARTY OF THE	76,788
Refinery	89,999	56,457	33,542	81,016	52,329	28,687
Townsites and other company	16.844	10,276	6,568	16,720	9,712	7,000
housing	10,044	10,276	0,300	10,720	9,712	7,008
facilities	10,150	9.771	379	9,842	9.383	459
Other	26,903		13,864	21,401		9,572
Other	626,579		268,509	598,055		
	The state of the s	Activity of the second second second second	The second secon			266,263
Properties	22,489		6,619	21,702		8,193
Land	1,759	THE PARTY OF THE P	1,759	1,753		1,753
	24,248	15,870	8,378	23,455	13,509	9,946
	\$650,827	\$373,940	276,887	\$621,510	\$345,301	276,209
Non-producing assets			30.881			30,955
			307,768			307,164
Development and preproduction exp	enditures:					
Producing assets			87.749			91,392
Non-producing assets			74,862			57,958
			162,611			149,350
			The second second second second			A PARTIE OF THE
			\$470,379			\$456,514

- (b) As a result of production curtailments in the Integrated Nickel Operations, certain property, plant and equipment and the related preproduction and development expenditures, with a net aggregate carrying value of approximately \$63,000,000 were placed on standby in 1977 and 1978. Most of these assets were phased into production in 1979.
- (c) Non-producing assets do not include the assets placed on a standby basis (referred to in note 8(b) above) but include the following:

Company and project	1979	1978
	(000's)	(000's)
Falconbridge Nickel Mines Limited –		
Fraser mine (i)	\$ 32,171 5,577	\$ 20,896 6,391
Falconbridge Copper Limited — Corbet mine (i)	24,229 127	16,437
Falconbridge Nikkelverk Aktieselskap — Process revision program (i)	672	2,377
New Quebec Raglan Mines Limited — Subsidiary's Cape Smith-Wakeham Bay properties (iii)	34,031	34,042
Other subsidiary companies' projects (ii)	8,936	8,770
	\$ 105,743	\$ 88,913
	-	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I

- (i) In the preproduction stage. Corbet mine commenced commercial production in January, 1980.
- (ii) Includes the costs related to certain projects upon which further work has been suspended pending more favourable economics. The Company believes there is reasonable expectation that these costs will be recovered.
- (iii) Exploration, development and other expenditures relating to New Quebec Raglan Mines Limited (a 68.3% owned subsidiary) and its wholly-owned subsidiary company, Raglan Quebec Mines Limited, incurred in the development of the latter company's Cape Smith-Wakeham Bay properties.

These costs have been deferred with the intention that they should be amortized by charges against income from future mining operations. Development work on the properties was suspended in 1971 and since that time studies have continued on the feasibility of alternate methods of bringing the properties into production. Profits which are commensurate with the risks of operating in such a remote northern location, must be indicated before development to production. The exploration permits and development licences pertaining to these properties expire in 1982 and the Company has no reason to believe that new permits will not be issued.

9. Long-term debt

A. Details of long-term debt are as follows:

	((000's)	(000's)
(i) Falconbridge Nickel Mines Limited				
7.75% Sinking fund debentures maturing February, 1991 (a)	\$	45,000	\$	46,250
8.85% Sinking fund debentures maturing May, 1996 (U.S. \$50,000,000) (b)		51,094		51,094
Bank loan due August 31, 1982 (15.25% at December 31, 1979) (c)		75,900		75,900
Total (1979 net of \$949,000 maturing within one year)	\$	171,994	\$	173,244
			-	

1978

- (a) The Company is required to make sinking fund payments sufficient to retire \$1,250,000 principal amount of the 7.75% debentures in each of the years 1980 to 1990.
- (b) No portion of the principal is due on the 8.85% debentures until 1981 when the Company is required to commence sinking fund payments sufficient to retire U.S. \$3,000,000 principal amount of debentures in each of the years 1981 to 1995.
- (c) The bank loan is part of a line of credit of \$80,000,000 extended by a Canadian bank. Interest is payable monthly at the rate of ¼ of 1% (reduced from ½ of 1% effective January 3, 1979) over the bank's minimum commercial lending rate as may be established from time to time during the term of the loan. If in the opinion of the bank there is any material adverse change in the Company's operations or financial position the \$75,900,000 outstanding loan may, at the option of the bank, become immediately due and bayable.

(ii)	Falconbridge Dominicana, C. por A. (Falcondo) (RD\$1 equals U.S.\$1) (a) Due to Loma Corporation (Loma)* (Payable in U.S. currency) —		
	8.73% Series C demand mortgage notes**	34,000	34,000
		102,570	102,570
	* Payment will only be demanded under certain specified circumstances, the most significant being to meet payments due on notes to Loma (a U.S. financing company) issued in the same principal amounts and at the same interest rates as the above demand notes, as follows:		
	8.73% Series C secured sinking fund notes, due in semi-annual payments of U.S. \$3,810,000 1980 to 1986 inclusive**; and 8.5% Series D guaranteed sinking fund notes, due in semi-annual payments of U.S. \$3,400,000 1987 to 1991 inclusive.		
	** In consideration of an increase in the interest rate from 8.5% to 8.73% over the remaining life of the notes Falcondo arranged, late in the first half of 1978, with Loma to defer the 1978 and 1979 semi-annual principal payments aggregating U.S. \$15,240,000. Commencing in 1981, this deferment will become due in twelve semi-annual instalments of U.S. \$1,270,000 in addition to the regularly scheduled principal repayments.		
	(b) Due to International Bank for Reconstruction and Development — 7% Loans, due semi-annually to 1984, payable in various currencies	17,139	19,953 122,523
	(c) Housing — 9.5% Mortgages on houses repayable monthly to 1993 in Dominican Republic currency	1,969	2,057
		121,678	124,580
	Less long-term debt maturing within one year	11,144	3,413
	Total — As reported by Falcondo in Dominican Republic currency, translated at year-end rates of exchange	RD\$ 110,534	RD\$ 121,167
	Total — Expressed in Canadian currency and reflecting the Company's translation policy (1979 net of \$13,001,000 maturing within one year)	\$ 108,394	\$ 118,554
(iii)	Other companies Various maturity dates and interest rates. Total (1979 net of \$472,000 maturing within one year)	\$ 6,782	\$ 3,205
(iv)	Maturity and sinking fund requirements Maturity and sinking fund requirements (stated at 1979 year-end rates of exchange to the state of the state	ge) for the next f	ve years are as
	follows: 1980 - \$14,422,000 1981 - \$21,301,000 1982 - \$97,524,000* 1983 - \$22,237,000 1984 - \$22,252,000		

1982 - \$97,524,000*

*Includes Company bank loan repayment of \$75,900,000

B. Guarantees, covenants and restrictions:

- (i) Falconbridge Nickel Mines Limited (the Company) has guaranteed portions of the long-term debt of Falconbridge Dominicana, C. por A. (Falcondo), the details of which are as follows
 - (a) All loans are secured by a first mortgage on the assets of Falcondo, which have a net aggregate carrying value of RD\$177,723,000 at December 31, 1979, and by a contract under which the Company has agreed to buy all ferronickel of commercial value produced by Falcondo. The Company is also obligated to provide 60% of the funds required by Falcondo to enable it to meet its operating costs and debt service obligations in the event receipts from the sale of ferronickel produced by Falcondo and other receipts are insufficient for that purpose. The loans from Loma Corporation are covered by a specific risk insurance issued by the Overseas Private Investment Corporation.
 - (b) The Company has pledged all of its holdings of its shares of Falcondo against repayment of these loans, other than the mortgages on housing and the subordinated portion of U.S. \$34,000,000. In addition, the Company has made a direct guarantee for repayment of 60% of this subordinated portion of the loan.
 - (c) In accordance with the terms of the loan agreements, funds of \$3,224,000 (1978 \$2,992,000) (included with cash and temporary investments) are on deposit with the Trustee for use in paying current debt service and operating expenses of Falcondo.
- (ii) During the period that the Falcondo loans are outstanding, there are certain restrictions placed on the amount and nature of borrowing that the Company may undertake. Covenants given by the Company in this respect

are substantially the same (other than the restriction on the payment of dividends) as those given by the Company under its 8.85% debentures which include limitations as to:

- (a) The amount of dividends which may be paid by the Company (see note 9B (iii) below);
- (b) The assumption of additional debt; and
- (c) Guarantees which it may give on certain indebtedness of its subsidiary and other companies.
- (iii) At December 31, 1979, the portion of retained earnings restricted under the 8.85% debenture covenants and not available for dividend payment, share repurchase and preference share redemption was \$95,905,000 (1978 – \$95,779,000).

Capital The iss

e issued convertible shares are summarized below:	December 31, 1979	December 31, 1978
Class A shares	4,930,837 93,918	4,864,496 159,959
Less Class A shares held by subsidiary companies	5,024,755 45,483	5,024,455 45,483
	4,979,272	4,978,972

Class A and Class B shares are inter-convertible at any time and are similar in all respects, including dividend rights. For 1978 and prior years tax deferred dividends on the Class B shares could be paid out of either or both "tax paid undistributed surplus on hand" or "1971 capital surplus on hand" as defined in the Income Tax Act of Canada. An amendment to the Tax Act prohibits payments of such dividends after December 31, 1978.

During 1979, 300 Class A shares were issued for \$25.00 per share under the stock option plan available to employees which expired on December 19, 1978.

In 1979, the Company reserved 200,000 unissued Class A convertible shares without par value for the purpose of granting, to certain employees and directors who are full time employees of the Company or a subsidiary or associated company, options to purchase shares of the Company. The price for which the shares may be optioned shall be the closing bid price for the Class A convertible shares on the business day immediately preceding the granting of the option less a discount of 10%. Options are exercisable, over a period of four years, at the rate of 25% of the shares optioned times the number of periods of twelve months each which have elapsed since the date the option was granted less the aggregate number of options already exercised or surrendered. The optionee may also be given the right, at the time of exercise, to surrender the right to purchase shares under the option in return for payment in cash equal to the excess of the fair market value of the shares over the option price thereof. No options have been granted to date.

The 3,000,000 Variable Rate Cumulative Redeemable Preference Shares, Series "A", which were issued in 1977 to a Canadian bank, have a par value of \$25.00 each and must be redeemed, at their par value, in August 1984 or may be redeemed earlier at the Company's option upon giving 30 days notice. The shares have a cumulative variable dividend rate calculated on a quarterly basis, equal to one-half of the bank's minimum lending rate plus 1.5%; and the dividend rate was 9% at December 31, 1979.

The preference shareholder has the right to appoint two members to the Board of Directors if dividends on the Preference Shares fall eight quarterly payments in arrears. Dividends on the Preference Shares have never been in arrears.

11. Interest in investees' undistributed earnings

Consolidated retained earnings includes the Company's share of the undistributed earnings of its (i) consolidated subsidiaries; and (ii) equity accounted for companies, which, respectively, amounted to \$77,188,000 and \$14,208,000 (1978 — \$33,878,000 and \$5,439,000 respectively).

12. Commitments and contingent liabilities

- (a) There are commitments outstanding at December 31, 1979 aggregating approximately \$6,700,000 in connection with capital expenditure programs.
- (b) The following are under continuing study and discussion with Ontario Government officials:
 - (i) Construction of Canadian refining facilities;
 - (ii) Exemption, until December 31, 1989 (as extended during 1979), from a requirement to process in Canada ores mined from certain properties of the Company in Ontario, such exemption being limited to the quantity of nickel-copper matte capable of producing not more than 100,000,000 pounds of refined nickel per year; and
 - (iii) The requirement to submit plans, during 1980, to comply with additional environmental controls related to smelter emissions at the Sudbury operations by December 31, 1983.

Pending completion of such discussions, it is not practicable to estimate the potential costs arising from these items.

(c) During 1979 and 1978 a portion of accounts receivable was either sold without recourse or discounted with recourse. The cost, which was charged against earnings, amounted to \$2,062,000 in 1979 (1978 – \$1,705,000). At December 31, 1979 the Company has a contingent liability of U.S. \$41,001,000 in respect of discounted bills of exchange drawn on its accounts receivable.

13. Subsequent events

As a result of the public offer made by The Superior Oil Company, Houston, Texas (Superior), to purchase all of the capital stock of Canadian Superior Oil Ltd. (Canadian Superior), at a price of 1.145 common shares of Superior and U.S. \$25.00 cash for each share of Canadian Superior the Company received, on January 29, 1980, 336,793 shares of Superior (with a quoted market value of \$59,213,000) and Cdn. \$8,534,000 for its 294,143 Canadian Superior shares. A gain of approximately \$37,700,000 (net of estimated taxes of \$12,600,000) will be recorded in the 1980 accounts.

Superior has now acquired 100% of the outstanding shares of Canadian Superior and, at December 31, 1979, is the beneficial owner of 53.1% of the outstanding shares of McIntyre Mines Limited. McIntyre is the largest single shareholder of Falconbridge, owning 36.8% of the outstanding convertible shares as at December 31, 1979.

STATEMENT OF SUPPLEMENTARY INFORMATION (Thousands of dollars)

				De	cember 31, 1				
% ownership	Integrated Nickel Operations (100%) (note 2)	Unallocated corporate (100%) (note 2)	Falconbridge Copper Limited (50.2%) (note 3)	Falconbridge Dominicana, C. por A. (65.7%) (note 3)	Indusmin Limited (69.0%)	Oamites Mining Company (Proprietary) Limited (74.9%)	Westrob Mines Limited		
OPERATIONS (note 3):									
Revenues	\$351,802	\$ 3,108	\$204,818	\$160,648	\$ 56,038	\$ 18,495	S 21,069	S	
Operating expenses —									
Costs of metal and other product sales Selling, general and administrative expenses Development and preproduction	208,589 17,919	4,130	100,665 1,554	116,344 7,253	38,859 5,887	12,222 1,821	12,829 168		
expenditures written off	5,613	000	3,973	1,486	30	105	315		
Depreciation and depletion	13,893	306	5,271	7,050	2,851	1,090	55%	I-	
Operating profit (loss)	246,014 105,788	4,436 (1,328)	93,355	132,133	<u>47,627</u> 8,411	3,257	13,868 7,201	1	
Operating profit (loss)	103,700	(1,320)	93,333	20,313	0,411	3,237	7,201		
expenses	1,571 2,390	786 6,848	(4,201) 3,593	13,155 153	1,011 92	(12)	586		
development	3,640				354				
	7,601	7,634	(608)	13,308	1,457	(12)	586		
Earnings (loss) before investment income and taxes	98,187	(8,962) 17,589	93,963 86	15,207	6,954 50	3,269	6.615		
Earnings (loss) before taxes	98,187	8,627	94,049	15,207	7,004	3,269			
Income and mining taxes	33,145	294	47,500	5,324	2,871	1,179	1.941	1	
Earnings (loss) for the year before other items	\$ 65,042	\$ 8,333	\$ 46,549	\$. 9,883	\$ 4,133	\$ 2,090	\$ 4,674	S	
Falconbridge's interest in above earnings (loss) after consolidation adjustments (note 3)	\$ 65,042	\$ 8,333	\$ 23,277	\$ 4,508	\$ 2,714	\$ 1,360	\$ 4.597	S	
WORKING CAPITAL (note 5):									
Current liabilities	100	4,899 6,718 8,181	\$128,127 42,933 \$ 85,194	\$ 83,027 26,997 \$ 56,030	\$ 23,717 12,650 \$ 11,067	\$ 8,301 4,841 \$ 3,460	\$ 12,753 2,566 \$ 10,187	1	
PROPERTY, PLANT AND EQUIPMENT (notes 3	and 6):			ne franchisch					
Producing assets, at net book value —	and o).								
Plant and equipment		3,413 3,789	\$ 3,280 862	\$ 82,400 1,891	\$ 21,124 899	\$ 4,122 86	S 2,894	S	
expenditures	5	2,705	2,520	30,592	403	424	1,105	200	
	\$209	9,907	\$ 6,662	\$114,883	\$ 22,426	\$ 4,632	\$ 3,999	5	
Non-producing assets, at cost less amounts written off	\$ 39	9.831	\$ 24,356		\$ 632			S	
PRINCIPAL LOCATION OF ASSETS	aı	tario nd way	Quebec and Ontario	Dominican Republic	Ontario, Quebec and U.S.A.	South West Africa	British Columbia		
PRINCIPAL PRODUCTS	Nic coppe	kel, er and balt	Copper, zinc and precious metals	Ferronickel	Industrial minerals and metal castings	Copper	lron and copper		
MAJOR MARKETS FOR PRINCIPAL PRODUCTS MARKET VALUE OF FALCONBRIDGE'S		, U.S.A. Japan	Canada and Europe	Europe, U.S.A and Japan	POUR COLORS	Europe	U.S.A. and Japan		
SHAREHOLDINGS (note 7)			\$ 65.097		\$ 12,896			S	

(See notes to statement of supplementary information)

December	31,	1978
----------	-----	------

ifrob nes ited 0%)	Other	Consolidated total (after adjustments) (note 3)	Integrated Nickel Operations (100%) (note 2)	Unallocated corporate (100%) (note 2)	Falconbridge Copper Limited (50.2%) (note 3)	Falconbridge Dominicana, C. por A. (65.7%) (note 3)	Indusmin Limited (69.0%)	Oamites Mining Company (Proprietary) Limited (74.9%)	Westrob Mines Limited (100%)	Other	Consolidated total (restated) (after adjustments) (note 3)
1,069	s 3,807	\$789,418	\$209,915	\$ 2,021	\$132,429	\$ 89,469	\$ 46,686	\$ 13,380	\$ 13,222	\$ 2,095	\$508,211
2,829 168	1,279 600	469,083 34,136	162,737 14,231	3,354	87,443 1,050	76,092 6,776	32,665 5,235	10,079 1,313	10,851 63	883 597	379,995 29,932
315 550	- 450	11,019 31,613	4,282 12,006	540	4,459 3,816	2,844 7,621	30 2,901	99 883	520 898	297	11,731 29,182
3,868	2,329	545,851	193,256	3,894	96,768	93,333	40,831	12,374	12,332	1,777	450,840
7,201	1,478	243,567	16,659	(1,873)	35,661	(3,864)	5,855	1,006	890	318	57,371
586	(71) 635	14,274 14,297	7,061 1,215	3,588 3,515	(1,366) 2,163	13,825 82	815 7	51	347	(30) 333	25,507 7,662
		3,960	3,006				132				3,086
586	564	32,531	11,282	7,103	797	13,907	954	51	347	303	36,255
3,615	914 22	211,036 17,589	5,377	(8,976) 3,966	34,864	(17,771)	4,901	955	543	15 785	21,116 4,751
5,61	936 215	228,625 90.998	5,377 (1,181)	(5,010) 279	34,864 17,267	(17,771) (6,042)	4,901 1,836	955 336	543 5	800 163	25,867 12,621
4,674	S 721	\$137,627	\$ 6,558	\$ (5,289)	\$ 17,597	\$ (11,729)	\$ 3,065	\$ 619	\$ 538	\$ 637	\$ 13,246
4,597	<u>\$ 730</u>	<u>\$110,561</u>	\$ 6,558	\$ (5,289)	\$ 7,498	\$ (6,596)	\$ 2,027	\$ 405	\$ 551	\$ 664	\$ 5,818
2,753 2,566	\$ 1,838 393	\$536,366	\$236	,211 ,386	\$ 65,807 20,282	\$ 56,155 11,577	\$ 17,566 9,299	\$ 4,479 2,410	\$ 6,188 2,360	\$ 1,887 645	\$352,235 97,451
0,187	\$ 1,445	155,483 \$380,883	\$158	TEST STORY	\$ 45,525	\$ 44,578	\$ 8,267	\$ 2,069	\$ 3,828	\$ 1,242	\$254,784
2,894	\$ 1,276 851	\$268,509 8,378	\$146 3	,543 ,753	\$ 5,125 2,796	\$ 89,204 1,943	\$ 17,016 929	\$ 4.438 108	\$ 3,396	\$ 541 417	\$266,263 9,946
1,105		87,749		,124	5.351	31,554	434	509	1,420		91,392
3,999	\$ 2,127	\$364,636	\$202		\$ 13,272	\$122,701	\$ 18,379	\$ 5,055	\$ 4,816	\$ 958	\$367,601
	\$ 40,924	\$105,743	\$ 31	,071	\$ 16,437		\$ 632			\$ 40,773	\$ 88,913
tish mbia			Onta an Norv	d	Quebec and Ontario	Dominican Republic	Ontario, Quebec and U.S.A.	South West Africa	British Columbia		
on nd oper			Nick coppe cob	rel,	Copper, zinc and precious metals	Ferronickel	Industrial minerals and metal castings	Copper	Iron and copper		
i.A. Japan			Europe, and J		Canada and Europe	Europe, U.S.A. and Japan	Canada and U.S.A.	Europe	U.S.A. and Japan		
(58,740	<u>\$136,733</u>			\$ 43,940		\$ 11,284			\$ 15,786	\$ 71,010

NOTES TO STATEMENT OF SUPPLEMENTARY INFORMATION DECEMBER 31, 1979

1. Translation of foreign currencies

Foreign currency items have been translated into Canadian dollars as explained in note B of the accounting policies on page 16.

2. Integrated Nickel Operations and Unallocated corporate

Included under the caption "Integrated Nickel Operations" are the accounts of the Company and all its wholly-owned subsidiaries engaged in the integrated operations of mining, milling, smelting, refining and marketing of nickel mainly derived from Canadian ore. The Integrated Nickel's production operations are interdependent and are carried on in Canada (mainly mining and reducing ore to matte at Sudbury) and in Norway (matte refining). The Marketing Division is structured to serve worldwide markets. That portion of the Company's net corporate expenditures relating to the overall direction and management of other activities of the Falconbridge group of companies and income from investment in associated and other companies have been segregated under the caption "Unallocated corporate". It is not practicable to segregate certain of the Integrated Nickel Operations and the Company's corporate balance sheet items.

3. Consolidation adjustments

Adjustments have been made on consolidation as follows:

(a) Fair value adjustments

The difference between the interest in the book value of the net assets of certain consolidated subsidiaries and the carrying value of the investments are accounted for as explained in note A (ii) of the accounting policies on page 16. The investment in consolidated subsidiaries is \$11,862,000 less than the equity in net assets of these subsidiaries at December 31, 1979 (\$11,072,000 at December 31, 1978) and this difference is included in the consolidated balance sheet as follows:

balance sheet as follows.	1979	1978
Increase (decrease)	(000's)	(000's)
Property, plant and equipment —		
Producing assets		
Plant and equipment	\$ (660) (450)	\$ (660) (425)
Land and properties	6,505 5,847	6,505 4,308
Development and preproduction expenditures Accumulated amortization Non-producing assets	(10,664) (3,818) (6,488)	(10,664) (3,314) (6,614)
Investment in associated and other companies	67	67
Other	957	863
Excess of interest in net assets of subsidiaries over carrying value of investments	\$ (11,862)	\$ (11,072)

The depreciation, depletion and amortization of the fair value adjustments included in the consolidated statement of earnings increased the 1979 depreciation and depletion expenses by a net \$1,514,000 (1978 — \$34,000) and decreased the 1979 and 1978 development and preproduction expenditures by \$504,000 each. (See note 3(b) below).

(b) Falconbridge Copper Limited

The fair value adjustment associated with the Company's investment in Falconbridge Copper Limited was fully depleted in 1978 by a charge to earnings of \$59,000.

(c) Falconbridge Dominicana, C. por A. (Falcondo)

The ferronickel produced by Falcondo is purchased and marketed by the Company. The earnings of Falcondo include profits on all ferronickel sold to the Company whereas consolidated earnings exclude the profits relating to inventories of ferronickel held by the Company at December 31, for subsequent resale to customers.

(d) Other inter-company transactions have been adjusted to prevent duplication.

4. Interest in consolidated subsidiary companies' undistributed earnings

See note 11, page 26, of the notes to consolidated financial statements.

5. Working capital

See note 9, page 24, of the notes to consolidated financial statements for particulars of funds held in trust in respect of Falcondo.

6. Property, plant and equipment

See note 8, page 23, of the notes to consolidated financial statements.

7. Market value of Falconbridge's shareholdings

The market values shown are based on Canadian stock exchanges' closing bid prices on December 31, 1979 and December 29, 1978. Because of the number of shares held by Falconbridge (representing control of the companies concerned), the amounts that could be realized if these securities were to be sold may be more or less than their indicated quoted market value.

STATEMENT OF INVESTMENT IN ASSOCIATED AND OTHER COMPANIES

		Shares		Carryin	g value	
	Shares of common stock	Beneficial interest	Market value (note 1)	Shares	Bonds, notes and advances	Contribution to earnings
December 31, 1979:			(000's)	(000's)	(000's)	(000's)
Accounted for on an equity basis (notes 2 and 3):						
Akaitcho Yellowknife Gold Mines Limited .	1,198,230	36.7%	\$ 1,929	\$ 262		\$ 88
Giant Yellowknife Mines Limited	824,413	19.2	14,839	3,445		1,492
United Keno Hill Mines Limited	1,195,989	48.4	48,288	15,910		10,035
Total on an equity basis			65,056	19,617		11,615
Accounted for on a cost basis:						
Canadian Superior Oil Ltd. (note 5)	294,143	3.2	57,358	17,465		
McIntyre Mines Limited (note 7)	175,825	4.8	11,692	10,175		
The Superior Oil Company (note 6)	70,000	0.3	10,779	3,118		49
Thompson-Lundmark Gold Mines Limited	600,000	12.0	330	377		
Other companies			237			
			\$145,452	50,752		11,664
Investments with no quoted market value —						
Western Platinum Limited (note 4)	2 500 001	25.0		6,214		3,793
Other companies	2,000,00			344	\$ 27	2,132
				\$ 57,310	\$ 27	\$17,589
					7,337	
December 31, 1978:					7,557	
Accounted for on an equity basis (notes 2 and 3)				(restated)		(restated)
Akaitcho Yellowknife Gold Mines Limited .	1,198,230	36.7%	\$ 851	\$ 234		\$ 62
Giant Yellowknife Mines Limited	824,413	19.2	9,172	2,447		613
United Keno Hill Mines Limited	1,195,989	48.4	9,568	8,267		1,825
Total on an equity basis			19,591	10,948		2,500
Accounted for on a cost basis:						
Canadian Superior Oil Ltd	294,143	3.2	22,796	17,465		
McIntyre Mines Limited	175,825	7.2	4,308	10,175		88
The Superior Oil Company	14,000	0.3	5,462	3,118		40
Thompson-Lundmark Gold Mines Limited	600,000	12.0	177	377		
Other companies			144			
			\$ 52,478	42,083		2,628
Investments with no quoted market value —						
Western Platinum Limited (note 4)	2,500,001	25.0		6,214	\$ 5,224	1,008
Other companies				344	27	1,115
				\$ 48,641	\$ 5,251	\$ 4,751
				\$ 5	3,892	
				=		

- Notes: 1. The market values shown are based on Canadian and United States of America stock exchanges' closing bid prices on December 31, 1979 and December 29, 1978. Because of the number of shares involved the amounts that could be realized if these securities were to be sold may be more or less than their indicated quoted market value.
 - 2. The carrying value represents the cost of the investments less amounts written off, and also reflects the interest in earnings of certain significantly influenced companies' on an equity basis (i.e., the investments are carried on the balance sheet at cost plus proportionate share of undistributed earnings).
 - 3. Interest in equity accounted for companies' undistributed earnings see note 11, page 26, of the notes to consolidated financial statements.
 - 4. Income debenture principal repayments of \$1,644,000 were received and the balance, \$3,580,000, plus a currency translation adjustment of \$796,000, was reclassified as a current asset in 1979.
 - 5. See note 13, page 27, of the notes to consolidated financial statements.
 - 6. Stock split 5 for 1 in 1979.
 - 7. Beneficial interest reduced in 1979. The Company sold the rights, to subscribe for additional shares, which it acquired under an offering by McIntyre Mines Limited to all of its shareholders.

SUMMARY OF 1979 CONSOLIDATED RESULTS BY QUARTERS (Unaudited – 000's omitted)

		bysa mentha	1979	1)		
	March 31	hree months June 30	Sept. 30	Dec. 31	Year	1978
Metal sales (pounds):		<u> </u>	30,000			(restated)
Integrated Nickel Operations —						
Nickel	26,371	29,068	13,567	15,448	84,454	71,341
Copper	9,728 375	8,635 367	8,905 213	15,192	42,460 1,294	30,027 1,255
Falconbridge Copper Limited —	3/3	307	210	000	1,234	1,200
Copper	21,272	21,630	18,387	22,258	83,547	87,555
ZincFalconbridge Nickel Mines Limited (note 1) —	22,336	26,009	23,430	19,935	91,710	85,337
Ferronickel (sales to customers)	10,590	10,908	10,762	15,368	47,628	43,477
Inventory of finished nickel — all forms (pounds)	33,121	24,576	23,421	27,217	27,217	44,009
Earnings:						
Revenues	\$ 172,019	\$ 198,179	\$ 173,020	\$ 246,200	\$ 789,418	\$508.211
Interest and investment income	5,510	7,723	10,829	15,342	39,404	12,934
	177,529	205,902	183,849	261,542	828,822	521,145
Costs other than the undermentioned Depreciation, depletion, development and	120,771	130,109	109,680	142,659	503,219	409,927
preproduction written off	10,827	10,492	10,649	10,664	42,632	40,913
Exploration, research and process development	3,097	4,596	4,654	5,910	18,257	10.748
Interest and amortization of debt expenses	8,553 13,408	8,713 21,894	9,053 19,967	9,770 35,729	36,089 90,998	33,690 12,621
Minority interest in earnings of subsidiaries	3,771	3,641	5,923	13,731	27,066	7,428
	160,427	179,445	159,926	218,463	718,261	515,327
Earnings for the period before extraordinary item	17,102	26,457	23,923	43,079	110,561	5,818
Extraordinary item (note 3)	4,129	8,499	2,401	4,971	20,000	
Earnings for the period	21,231 1,385	34,956 1,402	26,324 1,464	48,050 1,660	130,561	5,818
Earnings applicable to convertible shares	\$ 19.846	\$ 33,554	\$ 24,860	\$ 46,390	<u>5,911</u> \$ 124,650	\$ 1,086
Earnings per convertible share:	10,010		<u>24,000</u>	40,000	<u> 124,030</u>	9 1,000
Before extraordinary item	\$ 3.16	\$ 5.03	\$ 4.51	\$ 8.31	\$ 21.01	22¢
For the period	\$ 3.99	\$ 6.73	\$ 5.00	\$ 9.31	\$ 25.03	22¢
Earnings (loss) contributions:						
Falconbridge Copper Limited	\$ 4,115	\$ 3,760	\$ 4,585	\$ 10,817	\$ 23,277	\$ 7.498
Falconbridge Dominicana, C. por A.	(988)	(990)	1,665	4,821	4,508	(6,596)
Giant Yellowknife Mines Limited	90 160	300 813	363 963	739 778	1,492 2,714	613
Oamites Mining Company (Proprietary) Limited	492	217	224	427	1,360	2,027
United Keno Hill Mines Limited	492	1,607	2,372	5,564	10.035	1.825
Wesfrob Mines Limited	672	577	1,153	2,195	4,597	551
Other controlled companies	5.134	6.544	392	65	818	102
Total	(193)	(1,706)	11,717 (8)	25,406 (1,375)	48,801 (3,282)	6,425 (7,165)
	4,941	4.838	11,709	24,031	45,519	(740)
Integrated Nickel Operations, net of allocated						
corporate costs	12,161	21,619	12,214	19,048	65,042	6,558
Earnings for the period before extraordinary item	17,102	26,457	23,923	43,079	110,561	5,818
Extraordinary item (note 3)	4,129	8,499	2,401	4,971	20,000	
Earnings for the period	21,231 1,385	34,956 1,402	26,324 1,464	48,050	130,561	5,818
Earnings applicable to convertible shares	\$ 19,846	\$ 33,554	\$ 24,860	1,660 \$ 46,390	5,911 \$ 124,650	\$ 1.086
25go approado to conventido oridios	15,040	00,004	24,000	40,030	Ψ124,030	\$ 1,086

Notes:

- See note 3, page 30, of the notes to statement of supplementary information.
- Unallocated corporate shown on Statement 4, page 28, for 1979, is after reflecting the interest in earnings of significantly influenced companies, which are accounted for on the equity basis (Giant Yellowknife Mines Limited \$1,492,000; United Keno Hill Mines Limited \$10,035,000; and Akaitcho Yellowknife Gold Mines Limited, included above with "other controlled companies", \$88,000).
- 3. See note 3, page 22, of the notes to consolidated financial statements.
- Escalating metal prices throughout the year are reflected in the quarterly results. Most of the excess refined nickel inventory was sold in the first six months of 1979. Sales were lower in the third and fourth quarters and in better balance with production.

TEN-YEAR REVIEW (unaudited) (note 9)

		1979	1978	1977	1976	1975	1974	1973	1972	1971	1970
EARNINGS (LOSS) (000's)	Revenues Earnings (loss), before extraordinary item Per convertible share Extraordinary item Per convertible share	\$ 21.01 \$ 20.000	508,211 5,818 0.22	381,684 (28,786) (6,14) 20,238 4,08	483,480 14,591 2.94	409,888 2,937 0.59	443,508 31,996 6.46	426,834 49,533 10.00 7.100 1.43	266,851 5,240 1.06 (49,456) (9.98)		214,315 42,063 8,49 (475) (0.10)
EARNINGS (LOSS) CONTRIBUTIONS — after consolidation adjustments, before extraordinary items (000's)	Falconbridge Copper Limited Falconbridge Dominicana, C. por A. Giant Yellowknife Mines Limited Indusmin Limited (note 6) Integrated Nickel Operations Oamites Mining Company (Prop.) Limited United Keno Hill Mines Limited	\$ 23.277 \$ 4.508 \$ 1,492 \$ 2,714 \$ 65,042 \$ 1,360 \$ 10,035 \$ 4,597 \$ 818	(7,165) 7,498 (6,596) 613 2,027 6,558 405 1,825 551 102 5,818	(16,217) 3,776 2,913 2,788 368 1,251 (21,496) (336) 1,168 (2,211) (790) (28,786)	(5,779) 3,424 1,637 8,834 (137) 2,019 4,860 128 841 (337) (899) 14,591	(4,251) 2,952 198 5,689 (43) 2,821 (5,271) 739 1,422 (1,361) 42 2,937	(2,887) 2,922 3,981 3,309 450 1,307 17,779 1,433 2,946 539 217 31,996	(3.529) 2.040 12.295 9.933 717 1.287 19.487 2.406 1.159 2.753 985 49.533	(3.732) 1.263 3.058 503 181 1.290 5.180 205 (350) (2.490) 132 5.240		
FINANCIAL POSITION	Working capital — Integrated Nickel Operations (note 7)	\$ 228,181	158,825	174,339	85,509	101,731	139,959	117,994	72.487	68.899	
(000's)	Falconbridge Dominicana, C. por A.		44,578 45,525 254,784	42,785 32,696 255,592	37.410 24.409 155,131	33,703 20,768 167,017	28,941 18,840 198,263	36.214 25.776 188,052	25,680 14,044 114,813	26,601 15,340 119,242	
	Producing	\$ 364.636 \$ 105.743 \$ 287.170	367,601 88,913 295,003	304,768 150,356 291,394	255,217 167.654 223,715	283,611 143,178 255,121	282,803 137,504 274,616	303,767 105,021 288,493	330,965 86,507 301,921	160.132 312,799 293,336	
SHAREHOLDERS DATA		\$ 495,921 \$ 83.77 \$ 3.00	386,201 61.94	384,755 61.83 0.50	322.440 64.37 1.00	312.736 62.47 1.00	314,643 62.92 2.00	292,556 58.50 1.00	241.582 48.32 1.00	290.094 58.02 2.75	3.50
	Low	5,025 7,362 \$ 91.75 \$ 32.00 \$ 75.000 \$ 1.97	5.024 8,351 36.25 16.63 75,000 1.577	5,010 9,150 39.75 16.50 75,000 0.564	5,009 9,788 45.00 29.25	5,006 10,732 38.25 24.25	5.001 11,205 69.75 23.00	5.001 11,104 86.25 57.00	5,000 12,254 99.87 50.50	5.000 12,178 156.00 56.75	4.955 12,273 182.50 122.25
EXPLORATION, RESEARCH AND DEVELOPMENT (000's)		\$ 14.297 \$ 3,960	7,662 3,086	9,726 3,844	8,325 3,769	7,826 4,100	11.432 4,382	8.895 3,304	6,768 2,546	10,246 3,311	9.307 4,208
CAPITAL EXPENDITURES (000's)	Expenditures (net) on property, plant equipment, development and preproduction — Integrated Nickel Operations (note 7) Falconbridge Dominicana, C. por ARD Falconbridge Copper Limited (note 3) Consolidated total	\$ 9,336	26,695 722 4,956 41,105	62,267 2,908 5,415 78,848	27,954 1,490 8,903 44,188	38,161 1,934 7,400 56,367	30,442 5,571 14,968 59,315	21,156 2,123 9,076 40,632	36,717 10,400 3,910 61,804	59,474 67,887 5,968 144,862	51.567 67.540 4.946
METAL SALES (000's pounds)	Integrated Nickel Operations — Nickel Copper Falconbridge Nickel Mines Limited —	84.454 42.460	71,341 30,027	32,047 42,677	80,176 34,076	61,524 40,713	89,464 53,981	99.408 53.725	89,665 56,464	85,864 60,985	84.141 56.922
	Nickel in ferronickel (note 4)	47.628 83.547	43,477 87,555	43,394 92,369	59,781 82,939	50,270 77,503	73,828 56,911	67.644 80.935	80.870	62,012	50.320
	Zinc	91,710	85,337	89,032	73,430	73,767	30,838	37,950	38,218	14,569	10,648
ORE RESERVES (000's tons)	Falconbridge Nickel Mines Limited Falconbridge Dominicana, C. por A Falconbridge Copper Limited (note 3)	75,771 68,700 8,565	78,808 68,500 9,235	80,670 70,000 8,653	83.405 72.500 7.187	89,099 63,700 9,234	90,578 66,000 11,004	92,798 68,500 11,287	92,646 70,800 11,724	99,933 72,300 11,543	97.405 62.800 9.777

Notes: 1. See note 9, page 24, of the notes to consolidated financial statements.

- 2. Includes shares held by consolidated subsidiaries, see note 10, page 26, of the notes to consolidated financial statements.
- This company was formed through an amalgamation of a number of companies in 1971. For comparative purposes the figures have been presented as if the amalgamation had been in effect in 1970 and 1971.
- 4. Ferronickel sales to customers, see note 3, page 30, of the notes to statement of supplementary information.
- 5. Before interest in earnings of equity accounted for companies.
- For comparative purposes the 1972 to 1975 figures have been restated to combine the contribution of Indusmin Limited and Fahralloy Canada Limited. In 1976, Fahramet Limited, a subsidiary of Indusmin Limited acquired the operating assets of Fahralloy Canada Limited.
- Includes both the Integrated Nickel Operations and Company's corporate operations, see note 2, page 30, of the notes to statement of supplementary information.
- 8. Investment sold in 1977.
- 9. Restated, see note 2, page 22, of the notes to consolidated financial statements.

ACCOUNTING FOR INFLATION (unaudited)

The Company has continued this year to present unaudited replacement cost data extracted from its 1979 United States of America's Securities and Exchange Commission (SEC) Form 10-K filing. The amounts disclosed reflect the estimated current replacement cost of inventories and the productive capacity of property, plant and equipment of certain of the Falconbridge group companies, compared with the historic cost of these assets, at December 31, 1979 and 1978. The methods used in arriving at the figures are described in the data provided.

Because of the subjectivity and inherent imprecision of the estimated replacement cost data they should only be viewed as indicative of the order of magnitude of the impact of inflation on Falconbridge's ability to replace its productive assets. The figures should not be interpreted as management's intention to replace existing productive capacity at this time.

The Company believes that it is premature to adjust its reported earnings for the effects of inflation. There has been much activity in the area of accounting for changing prices in the past year or so. The Canadian Institute of Chartered Accountants (CICA) has recently issued an exposure draft "Current cost accounting" which would require Falconbridge to provide supplementary earnings statement data showing the effect of inflation on the business. In the United States, the Financial Accounting Standards Board (FASB) has issued Statement No. 33 "Financial Reporting and Changing Prices" which requires large public companies in the U.S. to disclose income statement data after allowing for changes in the consumer price index and after allowing for the current cost of inventories and fixed assets. Both the CICA and FASB recognize problems unique to the extractive industry in the application of inflation accounting. The Company is continuing to monitor these developments in Canada, the United States and elsewhere.

a) Inventories (000's)			Integrated Nickel Operations		Other subsidiary companies		Total	
December 31, 1979				Sportamento S		Sompanios .		10101
Inventory of metals: Historic cost			\$	66,427	\$	14,237	\$	80,664
Replacement cost			\$	93,435	\$	18,699	\$	112,134
Inventory of supplies: Historic cost — Total Deduct:			\$	14,005	\$	26,364	\$	40,369
Slow moving and capital items				1,268		1,730		2,998
Consumables			\$	12,737	\$	24,634	\$	37,371
Replacement cost — Consumables			\$	13,729	\$	24,748	\$	38,477
December 31, 1978 Inventory of metals: Historic cost			\$	72,704	\$	11,777	\$	84,481
Replacement cost			\$	106,760	\$	14,921	\$	121,681
Inventory of supplies: Historic cost — Total Deduct: Slow moving and capital items			\$	12,481	\$	21,068	\$	33,549 1,925
Consumables			\$	10,681	\$	20,943	\$	31,624
Replacement cost — Consumables			\$	12,597	\$	21,036	\$	33,633
(b) Productive capacity (000's)								
			100/02/0	mounts for	-	Amounts for		
	Total in the consolidated balance sheet		which replace- ment cost data have not been provided		which replace- ment cost data have been provided		Estimated replacement cost	
December 31, 1979 Property, plant and equipment: Producing assets —				(i)		(ii)		(ii)
Plant and equipment at cost	\$	626,579 358,070	\$	81,882 70,985	\$	544,697 287,085		,315,695 670,698
December 31, 1978 Property, plant and equipment: Producing assets — Plant and equipment at cost	\$	598,055	\$	79,463	\$	518,592	\$ 1	,176,345
Accumulated depreciation			\$	66,415	\$	265,377		608,446
(i) Generally represents the assets of subsidiaries' operation	ng m	nines which	are e	expected to	hav	e short (10	year	rs or less)

ACCOUNTING FOR INFLATION (unaudited) (continued)

your mar on me armon (and amount of (common)			
ii) Estimated replacement cost —	Plant and equipment	Accumulated	Plant and equipment
December 31, 1979	at cost	depreciation	net
Integrated Nickel Operations —		0 407.005	0 450 440
Historic cost	\$ 350,438	\$ 197,025	\$ 153,413
Replacement cost	820,029	450,405	369,624
*Other subsidiaries —	194,259	90.060	104,199
Historic cost	495,666	220,293	275,373
Total —	430,000		
Historic cost	\$ 544,697	\$ 287,085	\$ 257,612
Replacement cost	\$1,315,695	\$ 670,698	\$ 644,997
December 31, 1978			
Integrated Nickel Operations —	\$ 331,401	\$ 184.858	\$ 146,543
Historic cost	727,833	416,579	311,254
*Other subsidiaries —	727,000	410,075	011,204
Historic cost	187,191	80.519	106.672
Replacement cost	448,512	191,867	256,645
Total —			
Historic cost	\$ 518,592	\$ 265,377	\$ 253,215
Replacement cost	\$1,176,345	\$ 608,446	\$ 567,899
	All and the second second		and the same of the same of

^{*}Falconbridge Dominicana, C. por A.; Indusmin Limited; and Lakefield Research of Canada Limited.

To arrive at replacement cost of productive fixed assets, current estimates of costs to construct or purchase were applied or other methods such as calculating replacement cost based on cost per unit of productive capacity were employed. Indices published by governmental and private organizations were applied to the historic cost of recently acquired assets.

(c) Depreciation expense for 1979 and 1978 which would have been recorded if it were estimated on the basis of the average current replacement cost of productive capacity is as follows:

Depreciation expense (iv)

	Historic ost basis		placement ost basis
December 31, 1979 —	(ii) (0	00's)	(iii)
Total charged to earnings	\$ 29,275		
provided	5,261		
Amounts related to assets for which replacement cost data have been provided (i)	\$ 24,014	\$	59,286
December 31, 1978 — Total charged to earnings Deduct amounts related to assets for which replacement cost data have not been	\$ 28,124		
provided	5,114		
Amounts related to assets for which replacement cost data have been provided (i)	\$ 23,010	\$	55,599
(i) December 31, 1979 —			
Integrated Nickel Operations	\$ 13,971	\$	34,545
*Other subsidiaries	10,043		24,741
Total	\$ 24,014	\$	59,286
December 31, 1978 —			
Integrated Nickel Operations	\$ 12,345	\$	29,726
* Other subsidiaries	10,665		25,873
Total	\$ 23,010	\$	55,599
		Total Sales	

^{*}Falconbridge Dominicana, C. por A.; Indusmin Limited; and Lakefield Research of Canada Limited.

⁽ii) The method of calculation is detailed under note E of the accounting policies on page 16.

⁽iii) Calculated using a straight-line method.

⁽iv) The higher estimated depreciation expense under the productive capacity replacement cost basis would probably be partially offset by operational economies.

⁽d) The difference between the replacement value and historic value of cost of sales is immaterial. Under the "last-in, first-out" method of costing the inventory, current costs are reflected in the consolidated statement of earnings for the Integrated Nickel Operations. The other subsidiaries generally recognize revenues when metals are produced (consequently, the recorded revenues are matched with current costs) or have immaterial product inventories or differences between replacement and historic cost of sales.



The following pages present a more detailed review of the Integrated Nickel Operations, including the marketing activities of the Company, during 1979. Also included are operating and financial data and commentary thereon for the following major subsidiary and associated companies:

Falconbridge Dominicana, C. por A. **Falconbridge Copper Limited Indusmin Limited New Quebec Raglan Mines Limited Giant Yellowknife Mines Limited Wesfrob Mines Limited** United Keno Hill Mines Limited **Western Platinum Limited Oamites Mining Company (Proprietary) Limited** Blanket Mine (Private) Limited

THE INTEGRATED NICKEL OPERATIONS

The Integrated Nickel Operations include the Canadian Nickel Division, Sudbury, Ontario, the refinery in Norway, and the marketing group consisting of the Marketing Division of the Company, Toronto, Canada, and three subsidiaries operating from Hamilton, Bermuda; Brussels, Belgium; and Pittsburgh, U.S.A.

Financial Review

The Integrated Nickel Operations contributed a profit of \$65,042,000 in 1979 compared with \$6,558,000 in 1978. This substantial improvement was a result of higher selling prices for all metals, and increased sales volumes and profits from the treatment and sale of custom materials. As the Company sells its products in U.S. dollars, the lower value of the Canadian dollar relative to the United States dollar also had a favourable impact on earnings. Sales of nickel in 1979 totalled 84,454,000 pounds, an increase of 18 per cent over the 71,341,000 pounds sold in 1978. This increase was achieved as a result of a significant reduction of product inventory during the first half of the year and greater production than in 1978. Copper sales increased 41 per cent to 42,460,000 pounds in 1979 due to greater production and the higher copper grades in the ore from the Strathcona Mine copper zone. Higher prices for precious metals contributed significantly to the improved results.

Depreciation and amortization charges in 1979 were higher than in 1978 due to charging depreciation on the new smelter for the full year, compared with only four months in 1978 when the smelter was activated, and increased production from the mines. Expenditures on exploration for nickel in Canada increased from \$1,215,000 in 1978 to \$2,390,000 in 1979. Net interest charges were reduced from \$7,061,000 to \$1,571,000 due to the increase in cash balances and higher interest rates on invested funds. Income and mining tax provisions for the Integrated Nickel Operations were \$33,145,000 in 1979 compared with a credit of \$1,181,000 in 1978 as a result of the higher level of earnings.

The total net expenditures on mines and plants in 1979 with comparative figures for 1978 are set out in the table below:

	1979	1978
Property, plant and equipment Development and	\$17,708,000	\$17,379,000
preproduction	16,066,000	9,316,000
	\$33,774,000	\$26,695,000

Canadian Nickel Division

Operating Review

During 1979, nickel production from the Sudbury Operations was increased by 19 per cent over that of the previous vear as a return toward normal production levels was initiated. The Falconbridge and Strathcona Mines operated at full capacity. The East, Onaping and Lockerby Mines, which had been on standby, were re-opened during 1979 and at year end the second roaster-electric furnace line in the smelter was being prepared for operation in January, 1980. North Mine was being prepared for production in 1980. Fraser Mine was under development for production in 1981.

The number of employees at Sudbury Operations increased by 758 during 1979 to a total of 3,642 at year end, including employees laid off in 1978 who wished to return to the Company. A three-year collective agreement was signed with the office, clerical and technical workers represented by the United Steelworkers' Union, Local 6855, effective from March 1, 1979. A three-year collective agreement was signed with the production and maintenance workers represented by the Sudbury Mine, Mill and Smelter Workers' Union, Local 598, effective from August 21, 1979

Government Legislation

The Company was granted exemption by the Ontario Government until December 31, 1989 from a requirement to process in Canada ores mined from certain properties of the Company in Ontario, applicable to the quantity of nickel-copper matte capable of producing not more than 100,000,000 pounds of refined nickel per year. The Company, in recognition of the Ontario Government's desire to create employment by having ores processed in Canada, will have full regard for this objective when considering its future plans.

Capital Programs

The main capital program in 1979 at Sudbury Operations was the development of the Fraser Mine, involving expenditures of \$11,275,000 for preproduction and capital items.

In addition, approximately \$4,000,000 was spent on the Smelter Environmental Improvement Program in 1979, including the commissioning of the second electric furnace, bringing the total cost of the program, initiated in 1974, to \$83,000,000.

Ore Production

During the year, 2,762,000 tons of ore were delivered to treatment plants from the Company's mines in the Sudbury area compared with 2,283,000 tons in 1978. Re-opening of the East and Onaping Mines started early in the year while production from Lockerby began in October. By year end, East and Onaping were at full production and Lockerby was at approximately one-third of its capacity. Production from the copper zone of the Strathcona Mine for the year totalled 68,400 tons grading 0.50 per cent nickel and 8.66 per cent copper.



FALCONBRIDGE NICKEL MINES LIMITED

Ore Reserves

Total proven and probable reserves at the Company's Sudbury Operations decreased during the year. Although new reserves were outlined by exploration drilling, there was a net reduction in reserves due to the ore mined and the re-definition of grades and tonnage limits in some areas.

The following figures include appropriate allowances for mining dilution:

		Tons of Contained Metal			erage de (%)
Year	Tons of Ore	Nickel	Copper	Nickel	Copper
1979	75,771,000	1,117,000	605,000	1.47	0.80
1978 <mark></mark>	78,808,000	1,162,000	611,000	1.47	0.78

The Environment

At Falconbridge, Ontario, the new \$3,500,000 waste water and tailings disposal facility reached its normal operating status and met Government standards during its first full year of operation. With the growth of bullrushes and other marshland vegetation, numerous wild fowl and other wild life now inhabit the area. Part of this system has been established as a conservation area.

1979 marked the first full year of operation of the roaster-electric furnace and associated sulphuric acid plant. Operation of this complex has permitted the Company to meet the Ontario Government's timetable for the reduction of emissions from the Falconbridge smelter. Only 15 per cent of the sulphur in the ore mined is now emitted as sulphur dioxide compared with 30 per cent prior to the start-up of the sulphuric acid plant in the latter part of 1978.

Management

President, Canadian Nickel Division and General Manager Sudbury Operations

A. G. Slade

Falconbridge Nikkelverk Aktieselskap

Production of all metals in 1979 at the Norwegian refinery increased substantially over that of 1978. The production of refined nickel and copper, however, was still below capacity in 1979 because the deliveries of nickel-copper matte from Sudbury Operations were below normal. This was due to curtailment of mining operations at Sudbury in response to high nickel inventories in 1978 and early 1979.

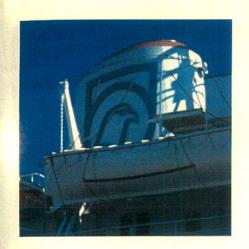
The production of refined cobalt increased appreciably above that of 1978 through the treatment of custom cobalt materials from outside sources.

Negotiations are under way on a new labour agreement to replace the agreement which expires on March 31, 1980.

Management

Managing Director

E. Wigstol



MARKETING GROUP

The Falconbridge marketing group includes Falconbridge International Limited based in Hamilton, Bermuda; Falconbridge U.S. Incorporated in Pittsburgh; Falconbridge Europe, S.A. in Brussels, Belgium; and Falconbridge Canada, the Canadian Marketing Division of the Company. Falconbridge products, which include six different forms of nickel as well as copper, cobalt, silver, gold, platinum, lead and zinc, are marketed through this group.

The Falconbridge marketing group increased its staff of specialized and highly qualified personnel during 1979. This group provides access to the wide range of products and facilities within the Falconbridge Group of companies and is now better able to serve customers worldwide.

Metals Review

Nickel

The nickel industry in 1979 continued its strong recovery which began in the latter part of the previous year. Shipments by non-Communist producers in 1979 were approximately 1,270 million pounds of nickel in all forms, an increase of 160 million pounds over 1978. Production during the year was raised to meet greater demand and restore inventories to more normal levels. Non-Communist world nickel production in 1979 increased to 1,040 million pounds or about 12 per cent higher than in 1978. Non-Communist world producer inventories declined to 310 million pounds by year-end, a dramatic reduction from the 540 million pounds overhanging the industry at the close of 1978. Some consumer re-stocking occurred in the first half and tapered off toward the year-end.

In the United States, increased activity in the aircraft, stainless and specialty steel industries pushed production to near capacity levels. However, some weakening in the general economy became evident toward the end of the year and it adversely affected some nickel markets, particularly the automotive and appliance sectors.

In Europe, general economic conditions remained relatively strong as industrial production increased 4 to 5 per cent over 1978 levels.

A slight reduction in nickel demand is anticipated in 1980, although this could be counteracted by larger-than-expected increases in consumption in the energy-related sectors and armaments.

Copper

Estimated non-Communist world refined copper consumption set another record in 1979 and reached a level of 7.5 million metric tons, an increase of approximately 3 per cent over 1978. Refined copper production, on the other hand, was constrained due to Canadian strikes plus operating and transportation problems in the African copper belt. The result was a substantial reduction in refined copper stocks which at year end were near normal operating levels.

Cobalt

An increase in cobalt supply in 1979 together with a levelling of consumer demand has led to the current softening of the cobalt market. The producer price of cobalt rose from U.S. \$20.00 per pound at the beginning of the year to U.S. \$25.00 per pound by February, and remained at that level until year end.

Other Metals

The gold upturn of 1978 continued through 1979. There was a major increase in price from a low of U.S. \$217.00 per ounce in late January, 1979, to a high of U.S. \$512.00 per ounce at year end. Silver prices during 1979 proved even more volatile than gold, rising from U.S. \$5.96 per ounce in early January, 1979, to U.S. \$28.00 per ounce at year end. Platinum prices reacted similarly to gold and silver, rising from a low of U.S. \$342.00 per ounce in early January to a high of U.S. \$716.00 per ounce in late December.

Management

Falconbridge International Limited

President W. G. Dahl Executive Vice-President E. H. Holm

Falconbridge Canada

Canadian Marketing Division of Falconbridge Nickel Mines Limited

President Vice-President Sales M. O. Pearce T. J. Desanti

Falconbridge U.S. Incorporated

General Manager

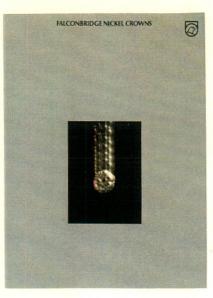
R. W. Bain

Falconbridge Europe S.A.

General Manager

J. H. Lilly







FALCONBRIDGE

Serving International Markets

Extreme left (top to bottom): Tapered drums for nickel products; copper cathodes and ferronickel ingots.



Promoting Falconbridge Products

Immediate left (top to bottom): Nickel Crown brochure, Ferrocone and Active Nickel advertisements.

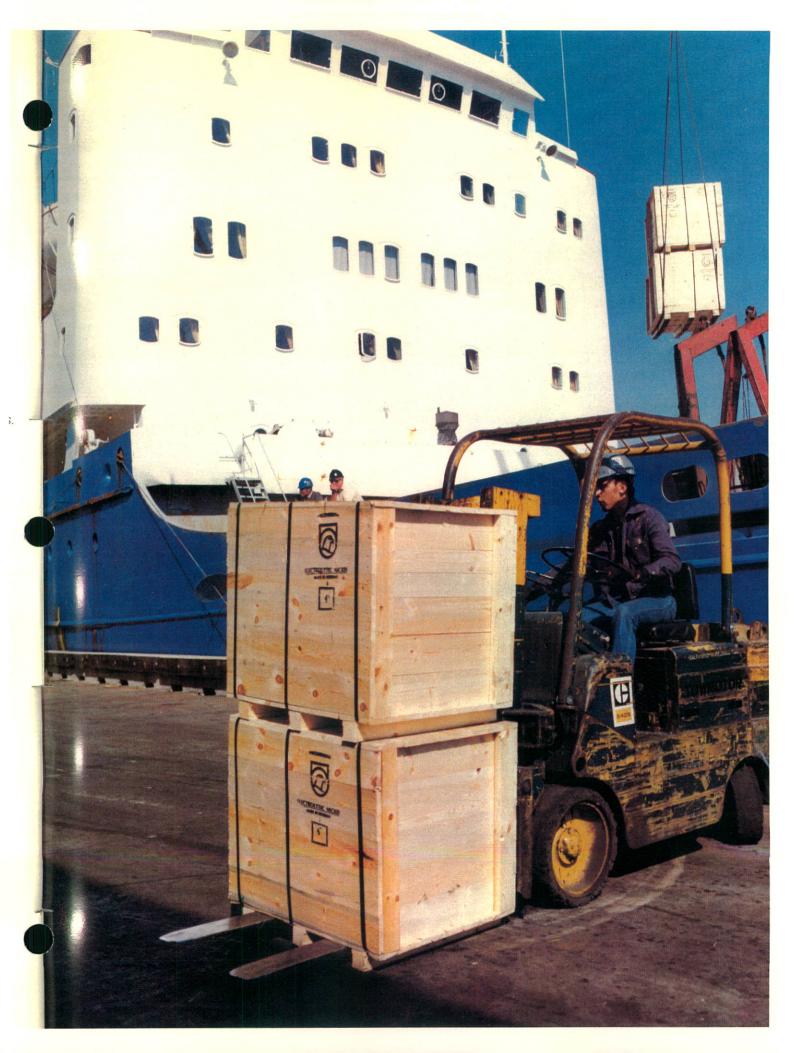
Above:

Outdoor painted bulletin board, Pittsburgh, U.S.A.





Facing page: Unloading boxes of nickel from M/V Falcon at Baltimore, U.S.A.



MAJOR SUBSIDIARY AND ASSOCIATED COMPANIES

Falconbridge Dominicana, C. por A.

Net earnings for the year were RD \$8,572,000 of which RD \$429,000 was transferred to the legal reserve. This compares with a net loss of RD \$12,311,000 recorded in 1978. The improved earnings result from the higher price and the increased volume of shipments which prevailed in 1979; however, these factors were partially offset by continuing inflationary pressures on all costs, particularly the escalation in fuel oil prices.

Total shipments in 1979 were 54,130,000 pounds of contained nickel compared with 43,562,000 pounds in 1978. In the first quarter of 1979 the Company re-commissioned a second electric furnace in order to meet the increased market demand and to retain a satisfactory working inventory. Operations were temporarily disrupted in the third quarter when Hurricane David and Tropical Storm Frederic struck the Dominican Republic. The Company's facilities suffered direct and consequential damage of a minor nature which resulted in a short

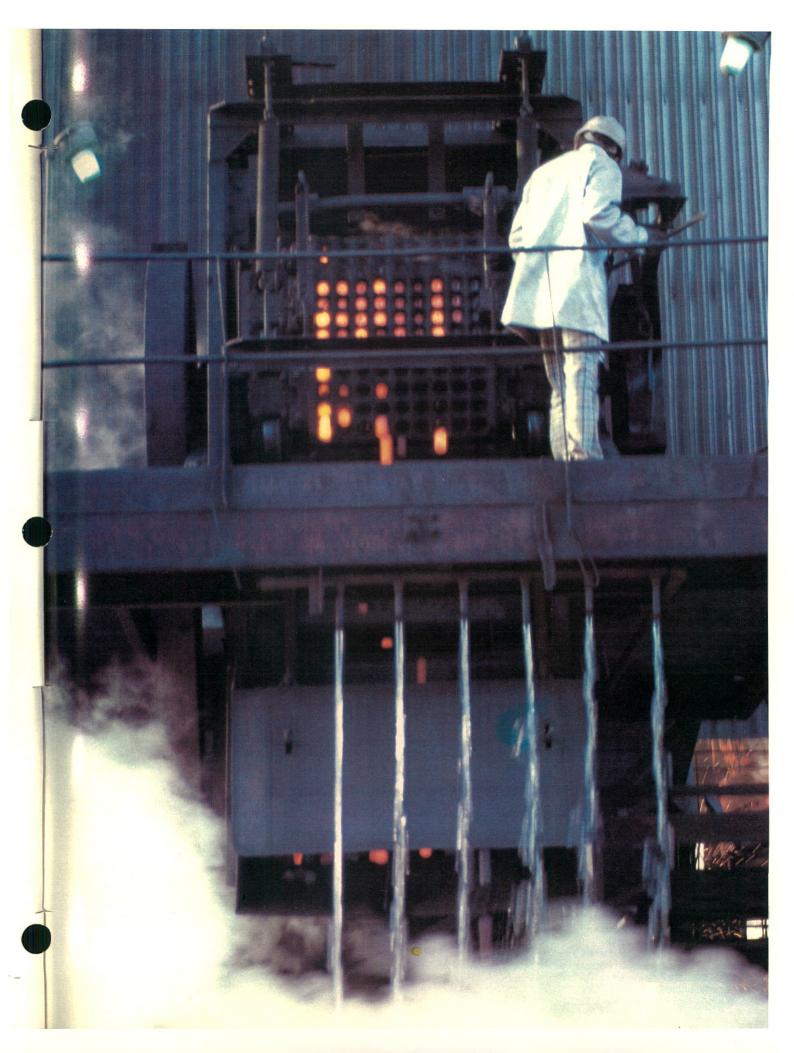
interruption of production. The loss is covered by the Company's insurance policies.

The long-term debt at December 31, 1979 was RD \$110,534,000, exclusive of RD \$11,144,000 maturing in 1980 which is shown as a current liability. The long-term debt includes an exchange adjustment of RD \$6,269,000 resulting from converting the non-U.S. portion of the loan from the International Bank for Reconstruction and Development (World Bank) at the year-end exchange rates.

The ore reserves at the end of 1979 were 68,700,000 dry short tons grading 1.64 per cent nickel.

The total permanent work force at the end of 1979 numbered 2,130 employees of whom 2,087 were Dominican and 43 were expatriate personnel. A new collective labour agreement was negotiated with employees in the bargaining unit for a period of three years commencing November 27, 1979.

Capitalization		As at D Outstanding		nber 31, 1979 leld by Falconbridge		
Common shares		3,000,000	1,	971,524	65.7%	
Production		Year 1979		December 1	er 31 978	
Shipments of ferronickel (nickel content in pounds)		54,130	,000	43,562,00		
Financial (RD\$1.00 equals U.S. \$1.00)						
Revenue from metal shipments Earnings before interest on debt, depre		RD\$137,165	,000	RD\$ 78	,459,000	
and amortization		29,914	,000	2	742,000	
Earnings (loss) after all charges		8,572			311,000	
Working capital		48,028	,000	37	,593,000	
Long-term debt (1979 excludes RD\$11 liabilities; 1978 excludes RD\$3,413,0		110,534	,000	121	,167,000	
Falconbridge interest* in					share of onbridge	
Earnings after all charges		Cdn.\$ 6,492	,000	\$	1.29	
*Before consolidation adjustments				=		
Management						
President	Marsh A. Cooper					
Executive Vice-President	lan H. Keith					
Vice-President and General Manager	W. W. Dales					



MAJOR SUBSIDIARY AND ASSOCIATED COMPANIES

Falconbridge Copper Limited

Net earnings of \$46,549,000 in 1979 were \$31,491,000 higher than in 1978, reflecting higher metal prices and continued efforts to hold down costs. Working capital increased by \$39,669,000 after payment of dividends of \$7,782,000, fixed asset additions of \$3,810,000, preproduction expenditures of \$5,526,000, and exploration and underground development expenditures of \$4,735,000.

Total metal production from all three divisions of the company was 83,547,000 pounds of copper, 91,710,000 pounds of zinc, 48,000 ounces of gold and 2,346,000 ounces of silver. Copper production decreased by 4,008,000 pounds from the 1978 level, silver by 146,000 ounces, and gold by 15,000 ounces. Zinc production increased by 6,373,000 pounds.

Lake Dufault Division

Operating profit for the year at the Lake Dufault Division was \$32,275,000, or \$22,003,000 higher than in 1978, primarily because of increased prices for copper and zinc.

Tonnage milled totalled 463,000 tons of 3.6 per cent copper and 4.9 per cent zinc compared with 411,000 tons of 3.36 per cent copper and 3.85 per cent zinc in 1978. During 1979, higher tonnage, higher grades and continued high recoveries resulted in increased production of all metals, compared with 1978. Copper production increased by 5,333,000 pounds to 31,615,000 pounds; zinc production increased by 11,431,000 pounds to 36,878,000 pounds; silver by 101,000 ounces to 489,000 ounces; and gold by 1,700 ounces to 9,600 ounces. Operating costs of \$10,525,000 were held at about the same level as in 1978. Preproduction expenditures on the Corbet Mine amounted to \$16,829,000 at December 31, 1979 of which \$5,524,000 was incurred during the year. This mine commenced production during January, 1980.

Ore reserves at the end of 1979 were calculated to be 3,572,000 tons (including 3,017,000 tons in the Corbet Mine) with average grades of 2.99 per cent copper and 2.13 per cent zinc.

Opemiska Division

The Opemiska Division achieved an operating profit of \$22,671,000 compared with \$9,891,000 in 1978 due to substantial increases in copper and gold prices, and improved operating efficiencies.

Ore milled in 1979 totalled 1,052,000 tons, 15,000 tons less than in 1978; copper production of 36,322,000 pounds was 4,425,000 pounds below 1978 production; silver production decreased by 57,000 ounces to 302,000 ounces; and gold production decreased by 15,700 ounces to 34,500 ounces.

Ore reserves at December 31, 1979 for the Springer, Perry and Cooke Mines totalled 4,675,000 tons grading 1.89 per cent copper compared with 4,930,000 tons grading 1.85 per cent copper at the end of 1978.

Sturgeon Lake Joint Venture

The profit of the joint venture in 1979 was \$36,873,000, an increase of \$18,837,000 over that of 1978, with Falconbridge Copper's share after all charges amounting to \$29,499,000. The increase in profit was due to higher metal prices which more than offset the lower production.

Tonnage milled was 412,000 tons, up 4,000 tons from 1978. Production in

1979 at Sturgeon Lake was 16,714,000 pounds of copper, 58,707,000 pounds of zinc, 4,873,000 pounds of lead, 1,665,000 ounces of silver and 4,300 ounces of gold. Production in 1978 was 21,977,000 pounds of copper, 64,122,000 pounds of zinc, 3,824,000 pounds of lead, 1,869,000 ounces of silver and 5,500 ounces of gold.

Ore reserves at December 31, 1979 were 318,000 tons grading 1.71 per cent copper, 7.17 per cent zinc, 1.04 per cent lead, 3.88 ounces of silver and 0.015 ounce of gold per ton.

At year end there were 109 employees at the Sturgeon Lake Joint Venture compared with 118 at the end of 1978. In preparation for the impending closure of operations, severance and transfer policies were developed for hourly-rated employees and staff. Legal notice of the termination of pit operations was given in November, 1979. Detailed plans for environmental rehabilitation of the plant area have been developed in preparation for the termination of operations.

		As at De	ecembe	r 31, 19	79	
Capitalization		Outstanding	Held	by Falc	onbridge	
Common shares	********	12,970,125	6,50	9,696	50.2%	
Financial		Year (ended D	ecembe 1	er 31 978	
Revenue from metal shipments Earnings before amortization and depred Income and mining taxes Earnings after all charges Dividends paid — 60¢ per share	ciation	\$204,818, 54,651, 47,500, 46,549, 7,782	000 000 000	22 17	429,000 ,045,000 ,267,000 ,058,000	
— 20¢ per share Working capital		85,194	000		594,000 ,525,000	
Falconbridge interest* in					share of	
Earnings after all charges		\$ 23,368 3,906		-	4.65 0.78	
Excess of earnings over dividends		\$ 19,462	,000	\$	3.87	
*Before consolidation adjustments						
Management						
Chairman of the Board President and Chief Executive Officer Vice-President — Operations Manager, Opemiska Division Manager, Lake Dufault Division Manager, Sturgeon Lake Joint Venture	Marsh A. Cooper L. C. Kilburn Roger Plasse P. R. Dessureault W. R. Wright H. R. Graham					

Indusmin Limited

d

es

ire

ed

e

ge

00

00

00 00

of

je

The following review covers the consolidated operations of the company and its subsidiary companies, Fahramet Limited and Lawson-United Feldspar and Mineral Company.

Sales of \$56,038,000 were achieved in 1979, an increase of 20 per cent over those of the previous record year, 1978. In the company's Minerals Division, a 66day strike at the St. Canut silica operations in Quebec reduced sales and earnings contributions. Lengthy strikes at the plants of two major silica customers also caused a decline in sales from the St. Canut and Midland silica operations. This was offset, however, by strong sales of lump quartzite to the ferrosilicon industry, silica flour to new markets, and feldspar to the glass industry. Limestone aggregates, for the third successive year, experienced only slight sales growth, reflecting low activity in the Ontario construction industry. In the Fahramet Castings Division, demand for alloy steel castings continued to be favourable.

After-tax consolidated net earnings of \$4,110,000 also established a record, exceeding the 1978 level by 35 per cent. Fahramet provided earnings of \$985,000, while the Lawson-United feldspar and the company's Ontario silica operations also contributed strongly to the year's earnings.

Major modernization and expansion programs were carried out at the Fahramet steel castings foundry in Orillia, Ontario, and at the company's nepheline syenite and Quebec silica operations. Expenditures of \$4,000,000 provided 34,000 square feet of new foundry space at Fahramet, and the new moulding lines will be brought into production during the first quarter of 1980. A \$1,000,000 expansion of the primary mill at the nepheline syenite operation will provide added capacity. At the Quebec silica operation, a new primary dryer and 1,000-ton dry ore silo were installed

at a cost of \$1,800,000. A \$7,000,000 term loan facility was established by Fahramet at a major Canadian chartered bank, of which \$4,000,000 had been drawn down at year end.

Order bookings at Fahramet were strong throughout the year, assuring full capacity well into 1980. Mineral sales are continuing at very favourable levels.

Capitalization Common shares		As at Dec		979 conbridge	
		7,901	806,03		69%
Financial (Consolidated)		Year en 1979	ded De		er 31 1978
Sales	\$	56,038,0 6,990,0 4,110,0 1,051,0 11,067,0	00 00 00	5 3 1	6,686,000 6,973,000 8,042,000 ,051,000 8,267,000
Falconbridge interest* in					share of onbridge
Earnings after all charges Dividends paid	\$	2,836,0 725,0			56¢ 14
Excess of earnings over dividends	\$	2,111,0	00		42¢
*Before consolidation adjustments					
Management					
President and Managing Director Ian H. Keith Executive Vice-President C. M. Woodruff					

New Quebec Raglan Mines Limited

The company's wholly-owned subsidiary, Raglan Quebec Mines Limited, holds exploration permits covering 300 square miles and 157 mineral claims located in the Ungava region of Quebec. No exploration was carried out on the properties during the year. Work at the site was suspended in 1971 and since that time studies have continued on the feasibility of alternate methods of bringing these properties into production. Net expenditures on the properties to date have amounted to \$28,509,000.

Profits which are commensurate with the risks of operating in such a remote northern location must be indicated before development to production. The exploration permits and development licences pertaining to these properties expire in 1982 and the company has no reason to believe that new permits will not be issued.

Vice-President

T. F. Pugsley

Estimated ore reserves are 16,050,000 tons grading 2.58 per cent nickel and 0.71 per cent copper.

	As at December 31, 1979				
Capitalization	Outstanding Held by Falce		conbridge		
New Quebec Raglan Mines Limited Common shares Raglan Quebec Mines Limited	7,763,908*	5,300,104*	68.3%		
Preferred shares — 6%	7,500,000 7,500,000 2,396,566** 4,005***	7,500,000 7,500,000 2,396,566**	100% 100% 100%		
*Includes 37 common shares to be issued **Includes 1,392 6¾% preferred shares to be issued ***Wholly-owned by New Quebec Raglan Mines Limited					

Giant Yellowknife Mines Limited

The following review covers the consolidated operations of the company and its subsidiary companies, Lolor Mines Limited and Supercrest Mines Limited.

Consolidated net earnings of \$8,315,000 in 1979 were at a record level, despite higher costs and lower bullion output than in 1978. This increase was attributable mainly to the dramatic rise in the average price received for gold, from \$233 per ounce in 1978 to \$412 per ounce in 1979.

Production rose from 397,000 tons to 416,000 tons; however, total gold output fell from 95,000 ounces to 75,000 ounces as a result of treating lower grade ores in response to the higher price. The grade of ore mined was 0.206 ounce gold per ton versus 0.271 in 1978. Operating expenditures were higher due to continued escalation in costs for power, fuel and other supplies.

Continued improvements were made in reducing emissions from the roaster by more efficient operating procedures.

With the improved gold price, ore reserves were increased substantially. At December 31, 1979 ore reserves were 2,054,000 tons at 0.21 ounce gold per ton compared with 1,216,000 tons at 0.27 ounce gold on December 31, 1978. Diamond drilling added 137,000 tons of new ore to the reserves and the remainder represents additions of lower grade ore. If the price of gold remains strong, further additions to the reserves should be possible.

Exploration continued on the Giant and adjacent properties. Some

encouragement was received on Supercrest ground. Base metal sulphides were encountered over narrow widths in a joint-venture project in Newfoundland, and further drilling is planned. The company entered into a joint venture with United Keno Hill Mines Limited to explore for precious metals in the United States (Nevada and Utah).

Nine holes were drilled on the company's Sudbury Basin base metal property to provide samples for metallurgical testing.

	As at December 31, 1979					
Capitalization	Outstanding	Held by Falo	conbridge			
Common shares	4,303,050	824,413	19.2%			
	Year e	nded Decemb	er 31			
Production (Consolidated)	1979		1978			
Tons milled	416,000 75,000		97,000 95,000			
Financial (Consolidated)						
Revenue from metals produced Earnings before amortization and depreciation Earnings after all charges Dividends paid — 60¢ per share	\$ 31,129, 8,739, 8,315, 2,582,	000	2,362,000 4,455,000 3,731,000			
— 50¢ per share	15,765,		2,151,000 0,753,000			
Falconbridge interest* in			share of conbridge			
Earnings after all charges	\$ 1,596, 495,		32¢ 10			
Excess of earnings over dividends	\$ 1,101,	000	22¢			
*Before consolidation adjustments, accounted for on an ed	quity basis.					

D. J. Emery

W. A. Moore

Wesfrob Mines Limited

Net earnings for the year were \$4,674,000 compared with \$538,000 in 1978. The higher earnings reflect increased production of iron pellets and improved copper prices.

The production of iron concentrates in 1979 amounted to 579,000 metric tons compared with 508,000 metric tons in 1978. Production of copper increased by 1,405,000 pounds in 1979 to 7,174,000 pounds.

On January 2, 1980 the dissolution of Wesfrob Mines Limited was approved. The operation of the mine will be continued as the Wesfrob Mining Division of Falconbridge Nickel Mines Limited.

	As at December 31, 1979					
Capitalization	Outstanding	Held by F	alconbridge			
Common shares	3,832,994	3,832,99	4 100%			
Production	Year 1979	ended Decen	December 31 1978			
Iron concentrates — dry metric tons		,000, ,000, ,000,	508,000 13,000 5,769,000			
Financial Revenue from metals produced Earnings before amortization and depreciation Earnings for the period Working capital	\$ 21,069 5,545 4,674 10,187	,000	13,222,000 1,956,000 538,000 3,828,000			

Management
President P. L. Munro
Mine Manager C. L. Stafford

Management

General Manager

President and Managing Director

United Keno Hill Mines Limited

In 1979 the company recorded the most outstanding year in its history.

Earnings were \$20,726,000, an increase of \$16,957,000 over the 1978 level. Revenue from metal shipments increased by \$31,603,000 as the average revenue of \$19.83 per ounce of silver was \$13.16 per ounce higher than in 1978.

Operating costs were 19 per cent higher in 1979 than in the previous year. The major increases were for wages, power and fuel costs, mining development activity and environmental costs.

Silver production of 2,481,000 ounces was 257,000 ounces less than in 1978, due chiefly to lower ore grade from the open-pit operation. The lower grade was partially offset by increased ore tonnage.

Total ore in reserve and in stockpile increased in 1979 to 331,000 tons grading 29 ounces of silver per ton. At year-end 1978, reserves were 246,000 tons grading 31 ounces per ton. The 1979 figure includes 128,000 tons of proven and indicated ore grading 23 ounces of silver per ton from potential open-pit operations (including 79,000

tons of ore in stockpile). Underground ore reserves increased from 110,000 to 203,000 tons grading 33 ounces per ton.

Construction of a third control dam has resulted in a major improvement in effluent water control.

Capitalization	As at December 31, 1979 Outstanding Held by Falconbridge
Common shares	2,470,000 1,195,989 48.4%
Production	Year ended December 31 1979 1978
Tons ore milled Ounces silver produced Pounds lead produced	2,481,000 2,738,000
Financial	
Revenue from metal shipments	21,573,000 4,338,000 20,726,000 3,769,000
- \$0.70 per share	1,729,000
Falconbridge interest* in	Per share of Falconbridge
Earnings after all charges	2,392,000 .47
Excess of earnings over dividends	\$ 7,643,000 \$1.52
* Accounted for on an equity basis	
Management President and Managing Director P. L. Munro Mine Manager V. E. Smith	

Western Platinum Limited

The profit for the fiscal year ended September 30, 1979 amounted to R6,813,000 compared with a net profit of R3,120,000 in 1978. The profit for the year is determined after allowing for the payment of arrears of interest on loans from shareholders amounting to R10,909,000 (1978 — R400,000). Revenue from metal sales in 1979 amounted to R42,496,000, an increase of 67 per cent over the 1978 revenue, mainly reflecting the higher prices received for precious metals.

As a result of this improvement in precious metal prices, the company increased its development rate and mill throughput. Despite inflationary increases in the costs of power, stores, labour, off-mine refining costs and freight costs, the company held unit production cost increases to a minimum through improved productivity. These efficiencies are reflected in the financial results. Ore milled in 1979 amounted to 1,228,000 metric tons, an increase of 171,000 metric tons from 1978.

During the year ended September 30, 1979, the company made principal repayments of R4,000,000 on its loans

from shareholders. Further principal repayments of R4,000,000 were made by December, 1979.

		As at Se	ptembe	er 30, 1979)	
Capitalization		Outstanding	ding Held by Falco		nbridge	
Ordinary shares		10,000,000 R13,800,000	2,500,001 R3,450,000		25% 25%	
Production		Year e 1979	nded S	eptember 19	30 78 .	
Tons milled — metric Platinum group metals — ound Nickel — pounds	ces	132,000		1,057,00 113,00 3,047,00		
Financial				1 5		
1 Rand = Cdn. \$1.41 at Sep = Cdn. \$1.37 at Sep						
Revenue from metal sales		R42,496,0 6,813,0 15,400,0	000		05,000 20,000 51,000	
Management			1		To the same	
Joint Managing Directors	C. P. Beatty S. C. Newman					

Oamites Mining Company (Proprietary) Limited

Net earnings of \$2,090,000 for the year were \$1,471,000 higher than in 1978. Production of copper decreased by 1,509,000 pounds and silver by 53,000 ounces. Increases in treatment and refining costs, equipment maintenance expenses and energy-related costs were more than offset by sharp increases in the prices of copper and silver.

During the year, the company entered into an agreement with Falconbridge of South West Africa (Proprietary) Limited to mine the Swartmodder property on a tribute basis. A development decline from the surface was started in November 1979 and is expected to intersect the orebody by mid-1980. Production from this copper orebody will have a favourable impact on the Oamites operation during the latter part of 1980.

At December 31, 1979, proven and probable ore reserves at the Oamites Mine amounted to 2,061,000 metric tons, grading 1.09 per cent copper and 18.47 grams of silver per metric ton, a decrease of 66,000 metric tons from 1978. The ore reserves at the Swartmodder orebody are estimated at approximately 314,000 metric tons grading 2.7 per cent copper.

Production of copper will become progressively lower as tonnage and grade decrease at the Oamites Mine. The additional production from the Swartmodder property will offset the declining production at Oamites and will marginally extend the life of the Oamites operation, currently projected at four years.

Capitalization Common shares	As at December 31, 1979				
	Outstar	anding	Held by Falconbridge		
	253,680		190,00	0 74.9%	
Production	Year ended December 31 1979 1978				
Tons ore milled (metric)	575,000 1.18 91.93 15,800 13,738,000		18 93 00	615,000 1.22 92.28 17,000 15,247,000	
Financial Revenue from sales of concentrates Earnings before amortization and depreciation Earnings after all charges Dividends paid — \$4.22 per share — \$2.03 per share		18,495,0 3,285,0 2,090,0 1,071,0	00	13,380,000 1,601,000 619,000	
Working capital		3,460,0	00	2,069,000	
Falconbridge interest* in				Per share of alconbridge	
Earnings after all charges	\$	1,565,0 802,0	00	31¢ 16	
Excess of earnings over dividends	\$	763,0	00	15¢	
*Before consolidation adjustments					
Management					
General Manager D. P. Hugo					

Blanket Mine (Private) Limited

Consolidated net earnings in 1979 were \$1,301,000 compared with \$557,000 in 1978. The effect of the higher price of gold, which in 1979 averaged U.S. \$318 per ounce compared with U.S. \$187 per ounce in 1978, was offset by increased energy costs, labour expenses and security costs. Gold production decreased in 1979 by 1,300 ounces to 15,000 ounces.

The 150,000 metric tons milled at the Blanket Mine in 1979 was marginally lower than that of the previous year. The decrease in gold production was due primarily to a drop in grade from 3.99 to 3.86 grams per ton.

During 1979, the company commenced the milling of ore, which was mined on a tribute basis at a property situated near the Blanket Mine.

The development work and production at the R.H.A. Tungsten Mine were suspended indefinitely during 1978, as it was impossible to obtain sufficient technical staff. The mine remained closed during 1979.

The future of operations in Zimbabwe continues to depend largely on political

R. Jervis

General Superintendent

stability and the availability of technical

Capitalization Common shares	As at December 31, 1979				
	Outstanding	Held by F	Held by Falconbridge		
	9,208	9,208	100%		
	Year ended December 31				
Production	1979	9	1978		
Blanket	100000000000000000000000000000000000000				
Ore milled — tons (metric)	150,000		153,000		
Gold produced — ounces	1	16,300			
RHA					
Ore milled — tons (metric)	_	17,000			
Tungsten concentrates – pounds	_		65,000		
Financial	(Canadian dollars)				
Net revenue from metals produced	\$ 5,382	2,000 \$	3,789,000		
Earnings before depreciation		5,000	760,000		
Earnings after all charges	1,301,000		557,000		
Dividends paid — \$129.13 per share	1,189	9,000			
- \$ 85.25 per share			785,000		
Working capital	916,000 571,00				
*Only dividends received by Falconbridge are reflected in a	consolidated ea	rnings.			

Management

General Manager D. Shand

FALCONBRIDGE



© 1966 FALCONBRIDGE NICKEL MINES LIMITED