

Thomas and Wendell Dunn, Inc.

HIGH TEMPERATURE CHLORINATION RESEARCH

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010

IRON REMOVAL FROM
CALCINED MAGNESITE

BY

HIGH TEMPERATURE CHLORINATION

PHASE I REPORT
26 September 1990

OMIP 90-141



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IRON REMOVAL FROM MAGNESITE - REPORT #1

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- b) Vapor Phase Oxidation
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Critical (Definitive) Experiments:

- a) Access of Cl₂ to Fe₂O₃, FeO - Effect of temperature of calcination
- b) Reduction of Fe₂O₃ - how low a temperature
- c) Simultaneous reduction and chlorination

DESIGN DATA NEEDED:

- a) Material properties - density, flow, fluidization
- b) Reactor condition - temperature, carbon concentration
- c) Chlorination kinetics of reaction model
- d) Calcining
- e) CO₂/CO separation or FeCL₂ scrubbed flue data
- f) Carbon separation - spirals, drying

ECONOMICS:

- a) Capital Estimate
- b) Ingredients Cost
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CONCLUSIONS:

Appendix - Thermo data, flowsheets, basic data

SUMMARY:

The thermochemical study shows that given a ferrous state of the iron oxide impurity in the MgO calcine, chlorination of this iron to FeCl₂ can be accomplished without chlorination of the MgO to MgCl₂. Volatilizing FeCl₂ requires temperatures above 1012°C. This is the likely operating temperature. To secure a reducing condition carbon must be added and be present in the bed.

The cost of chlorine at the 42,000 tonnes per year level probably does not warrant its recovery although at expanded scale or later in the development, Cl₂ can be economically recovered and recycled.

The flowsheets resemble the ilmenite beneficiation process developed in 1976 and now being built as a plant for Bene-Chlor Chemicals PVT LTD in India. Much applicable experience will be gained when the Bene-Chlor plant is put on line and should be available before the Timmins plant final design.

The cost estimate at this stage is based on the actual plant construction cost in the U.S. for the Bene-Chlor plant now being built. Considering battery limits and peripherals it is expected that US\$3 million should cover the 42,000 tonnes per year plant. More accurate estimates will be made after PHASE II.

Flowsheet No. 1, the preferred flowsheet, includes packaging the by-product, anhydrous ferric chloride. All the flowsheets assume calcined magnesite with size separation already accomplished (the coarser two-thirds of the calcine to be chlorinated).

This report discusses objectives of the PHASE II research program. Thermochemical data and calculations are referenced in the Appendix.

The program is divided into Phases:

Phase I is the experience and library based report herein.

Phase II is a bench scale program to be completed by January 1991.

Phase III is a pilot stage to be initiated at the end of Phase II as the basis for commercial plant design.

PROJECT DESCRIPTION:

A) Objective Background:

The proposed project to beneficiate calcined magnesite from the Timmins deposit has been studied and is the subject of this report. Application of technology developed for Ilmenite beneficiation is the basis of this work.

While there are similar differences between the two endeavors, a basic similarity exists: both remove iron and recover the chlorine involved.

B) Scope of this report:

This report covers a library study to explore the possibility of accomplishing the above objective and to set forth the next step which would involve experimental work, to validate the assumptions made in this report.

In addition to validating certain assumptions experimentally, the next project phase would develop design data necessary for deciding among alternative flowsheets and specifying the chosen flowsheet steps more precisely.

An earlier report by the Ontario Research Foundation was used to supply data on the raw material entering the chlorination process, but the process approach presented here differs significantly from the ORC method.

The initial thermochemical study shows that the magnesite will chlorinate in the presence of chlorine at the temperatures needed to remove the iron as a vapor. If the iron is in a reduced state and the chlorine is limited to only that necessary to make ferrous chloride, then MgO will escape chlorination.

C) Basic Technology:

The basic technology involved is high temperature chlorination of the iron impurity by chlorine gas. This assumes that the iron content in the calcined magnesite is reached by the chlorine. Presumably any nickel present will also be removed.

Although calcination can be achieved at temperatures below the sintering point, it is not known whether upon sintering the iron becomes locked up and unavailable to react.

Thermochemistry shows that to avoid chlorinating the magnesium iron must be in a reduced state. Fortunately there is a significant difference between the free energy of formation of the two oxides, MgO and FeO. This difference is between -108 and -42.6 K cal/mole which is sufficient to allow the iron oxide, FeO, to chlorinate in preference to MgO.

Not only must the iron oxide be in the reduced state, but also the volatile iron chloride must be ferrous chloride. This requires a high chlorinator temperature to avoid liquid FeCl_2 .

Fluidized bed technology has been well developed to serve high temperature chlorination and the partial chlorination of materials introduced into the bed. Methods of feeding solids, removing products and cooling the high temperature gases are also known and practical.

Recovery of chlorine from the iron chloride technology is also basic to this project. Even though the value of the chlorine used is moderate, environmental considerations will mandate its recovery.

Estimates of capital costs for the battery limits plant can roughly be estimated at this stage of the project by the comparison with a plant now being built for export by our company. The size, material handling and process conditions appear to be similar. Until a well defined flowsheet emerges from the next stage this comparison will be used.

THERMOCHEMISTRY:

Some basic free energy equations:

	<u>Gf</u>	
$2/3 \text{ FeCl}_3 + \text{MgO} \rightarrow 1/3 \text{ Fe}_2\text{O}_3 + \text{MgCl}_2$	-4,139	
$\text{FeO} + \text{MgCl}_2 \rightarrow \text{MgO} + \text{FeCl}_2$	-8,840	1000 K

For a reducing atmosphere:

$\text{MgO} + \text{CO} \rightarrow \text{Mg} + \text{CO}_2$	+70,366	1300 K
$\text{FeO} + \text{CO} \rightarrow \text{Fe} + \text{CO}_2$	+4,960	1300 K
$1/3 \text{ Fe}_2\text{O}_3 + \text{CO} \rightarrow 2/3 \text{ FeO} + \text{CO}_2$	+53,790	1300 K

Combined reduction and chlorination:

$\text{MgO} + \text{CO} + \text{Cl}_2 \rightarrow \text{MgCl}_2 + \text{CO}_2$	-37,857	
$\text{FeO} + \text{CO} + \text{Cl}_2 \rightarrow \text{FeCl}_2 + \text{CO}_2$	-43,170	
$*\text{Fe} 0.947 + 02560 2 + \text{MgCl}_2 \rightarrow \text{MgO} + \text{FeCl}_2$	-6.25	1300
	-6.07	1200
	-6.28	1100

MgFe_2O_4 Hf from the oxides
(a very weak compound.) -3.7

*Kubaschewski Data

DWSHEETS:

The first flowsheet presented provides for the recovery of anhydrous FeCl₃ as a by-product. This is similar to the Indian (Bene-Chlor) project to beneficiate Ilmenite. The by-product would be "drummed out" in 55 gallon drums and should bring a price in excess of the chlorine value contained. (In some cases \$500/ton vs \$200/ton.)

Two other flowsheets which recover and recycle chlorine are shown. There are many variations possible based on these two approaches which are:

- a) vapor phase oxidation of the chlorinator off-gas with Cl₂ separation from the combustion gas;
- b) separation of solid iron chlorides from the chlorinator exit gas stream, oxidation by O₂ and air and separation of Fe₂O₃ with Cl₂ recycle.

Since the first flowsheet is the simplest and represents lower capital investment the Phase II bench scale work will concentrate on it unless it becomes evident that chlorine recovery must be practiced.

If a plant expansion to 85,000 tonnes per year is desired it may be necessary to use a variation of either the (a) or (b) flowsheets if the chlorine (chloride) excess cannot be marketed or handled.

BENCH SCALE PROGRAM:

This stage must provide two types of information to the project; answers to critical assumptions by experiment and design date needed for the pilot plant and full plant phase.

In the first case the following experimental studies will be undertaken in a bench scale, high temperature, fluidized batch chlorinator.

- a) Access of chlorine to the iron oxides and the effect of calcination and chlorinator temperature on the iron removal rates.

The chlorinator must operate at a high temperature to volatilize ferrous chloride.

Liquids are fatal to fluidization, so there must be rapid reaction of the iron oxide impurity to ensure complete Cl₂ consumption.

whether at sintering temperatures the iron species are dissolved in the MgO and, if so, the rate of diffusion to the particle surface where it can react. This may determine the rates of iron removal. We expect the iron phase will remain separate under reducing conditions, and can be attached. However, there is a compound between the oxidized iron Fe_2O_3 and MgO and the effect of reduction, and the possibility of reduction, must be ascertained.

- b) Reduction kinetics of the calcined but unsintered MgO may be of importance. A stage wise iron removal, where the reduced form FeO loses part of its iron but keeps its oxygen, is possible. This would require stage wise reduction since only one-third of the iron would be removed.
- c) Simultaneous reduction and chlorination are possible in a carbon, MgO bed and very likely will provide a satisfactory reaction rate. The changing concentrations and various reduction-oxidation states make possible overall reactions not easily predicted even though the thermochemical values are known for the equilibria involved. Here kinetic values for the several reaction stages must be obtained. When these various rates are known it is possible to set up a computer model to predict fluidized bed output values.

DESIGN DATA NEEDED:

- a) The material properties can be measured easily and lab tests of fluidization are needed to set ranges of operation for mixtures of feed size ranges.
- b) The reactor condition must be determined. The temperatures and optimum carbon concentration can be approximated from rates obtained on the bench scale experiments and these synthesized by computer model to estimate the reactor output under various operating conditions. Comprehensive data and work here will shorten the time spent at larger scale and make interpretation more certain.
- c) Chlorination kinetics determined above would be used for a computer model which would be used both for design and for an estimate of operating ranges.
- d) Calcining studies under a range of conditions would be matched with the above kinetic studies to determine the optimum calcining condition of temperature and time.
- e) Product and carbon must be separated by spirals. This can be tested on small scale and the separation effectiveness should be determined to estimate the drying stage needs.
- f) Data taken to define a Cl_2 recovery flowsheet, if necessary.

ECONOMICS:

An economic estimate has been made based on the tentative flowsheet and compared with the Indian (Bene-Chlor Chemicals) plant now being constructed. A more detailed cost estimate would be made after Phase II when more specific equipment specification would be available.

Since the chlorinator size is expected to be smaller, the total tonnage larger, and the by-product being collected and drummed out in 55 gallon drums, it is estimated that US\$3 million would allow U.S. construction, re-erection in Canada of the battery limits plant and Canadian installation of Civils and peripherals specific to this part of the project, e.g. site raw material storage, Cl₂ facilities, maintenance facilities, spares, etc.

It is not possible to make a detailed estimate of production costs at this juncture. The Cl₂ and carbon costs can be estimated but the sale of FeCl₃ could dominate the cost structure entirely.

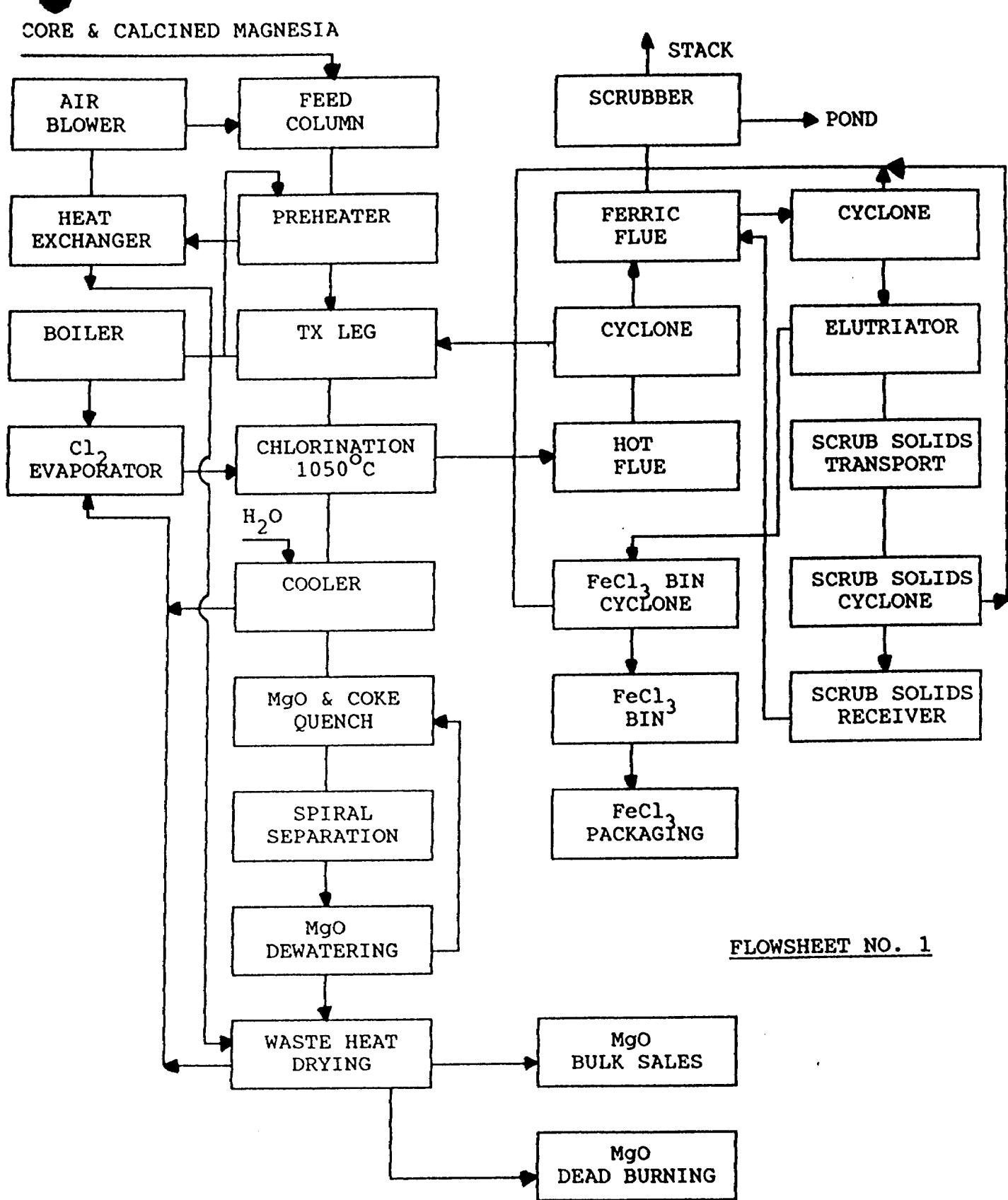
In addition the distribution of labor, administration, and calcine costs is completely undetermined.

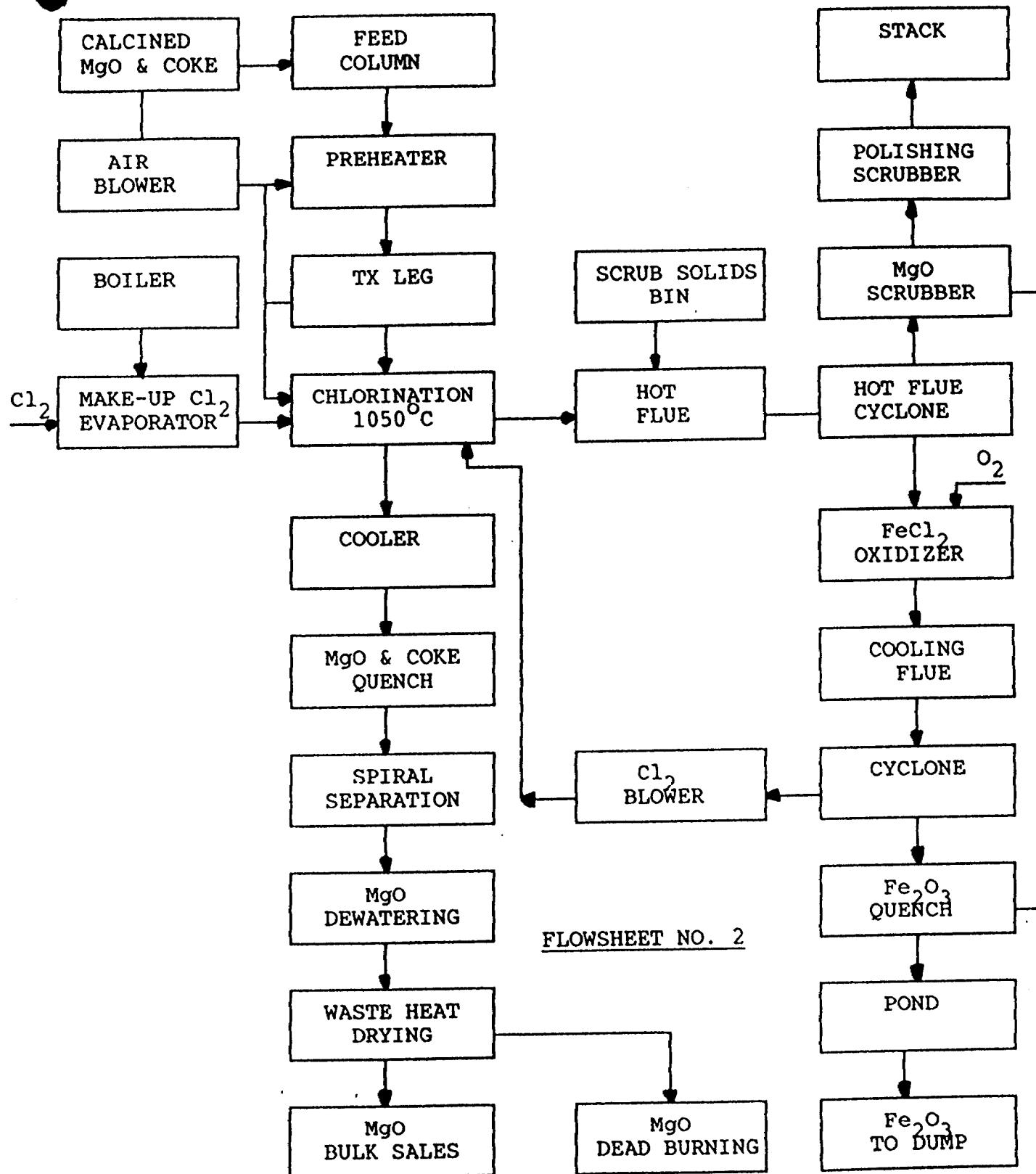
CONCLUSION:

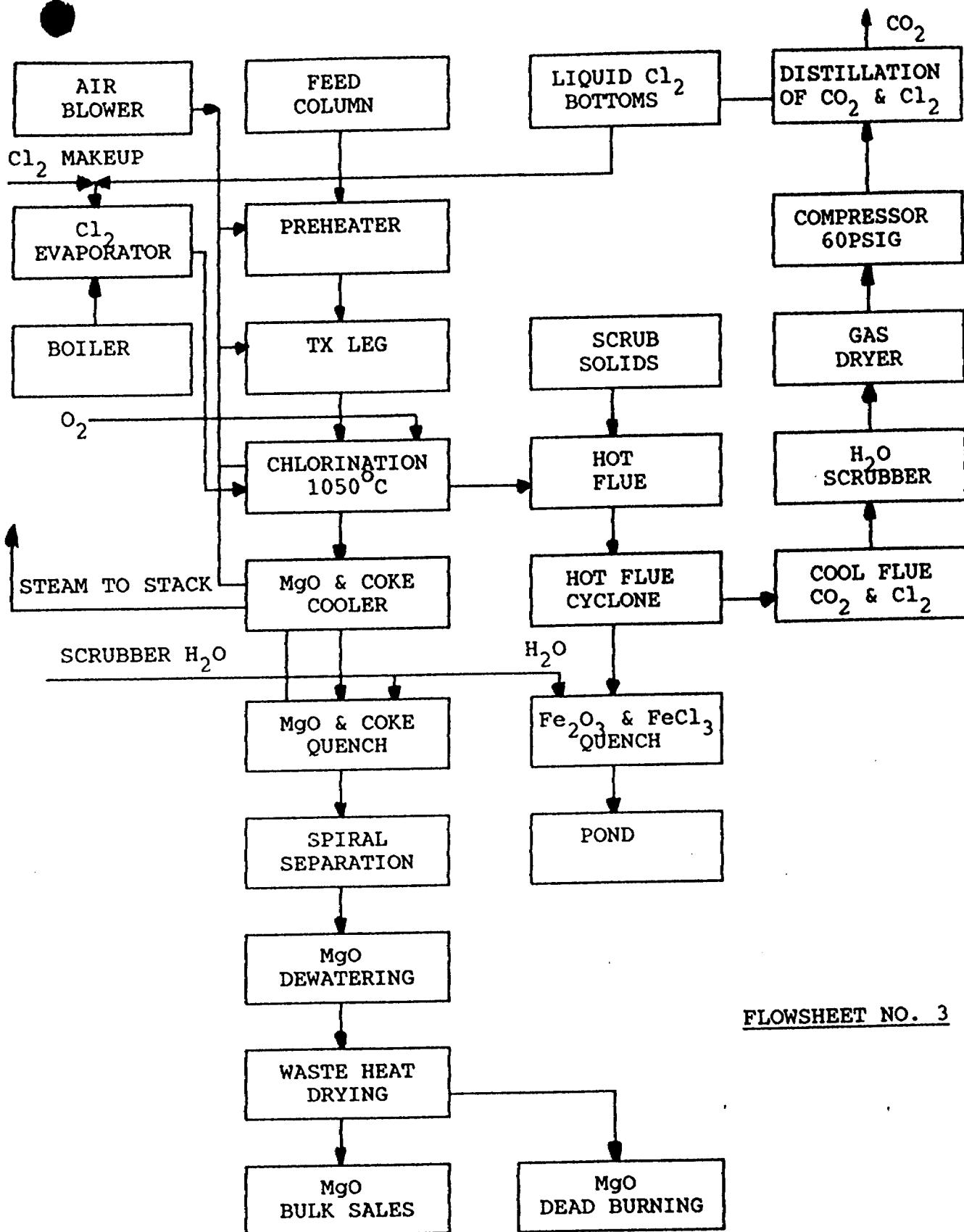
This Phase I study indicates several possible flowsheets within the known chlorine technology of Thomas and Wendell Dunn, Inc. Three flowsheets have been presented as block diagrams. This technology and experience basis for these flowsheets is from high temperature chlorination work of titanium, tin, tantalum and niobium ores, iron chloride handling, chlorine recovery and heat removal in chloride systems.

Methods of laboratory scale experimentation have been developed over the past forty years and with today's capabilities make data interpretation and application to design effective and efficient.

Phase II confirming these basic assumptions will make a Phase III pilot plant effective for defining the commercial project.







FLWSHEET NO. 3

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16 November 1990

Magnesium Refractories Ltd.
Lastcorp Investments
ATTN: James A. Bates, Vice President
Suite 3310, 130 Adelaide Street West
Toronto, Ontario, M5H 3P5

Dear Jim:

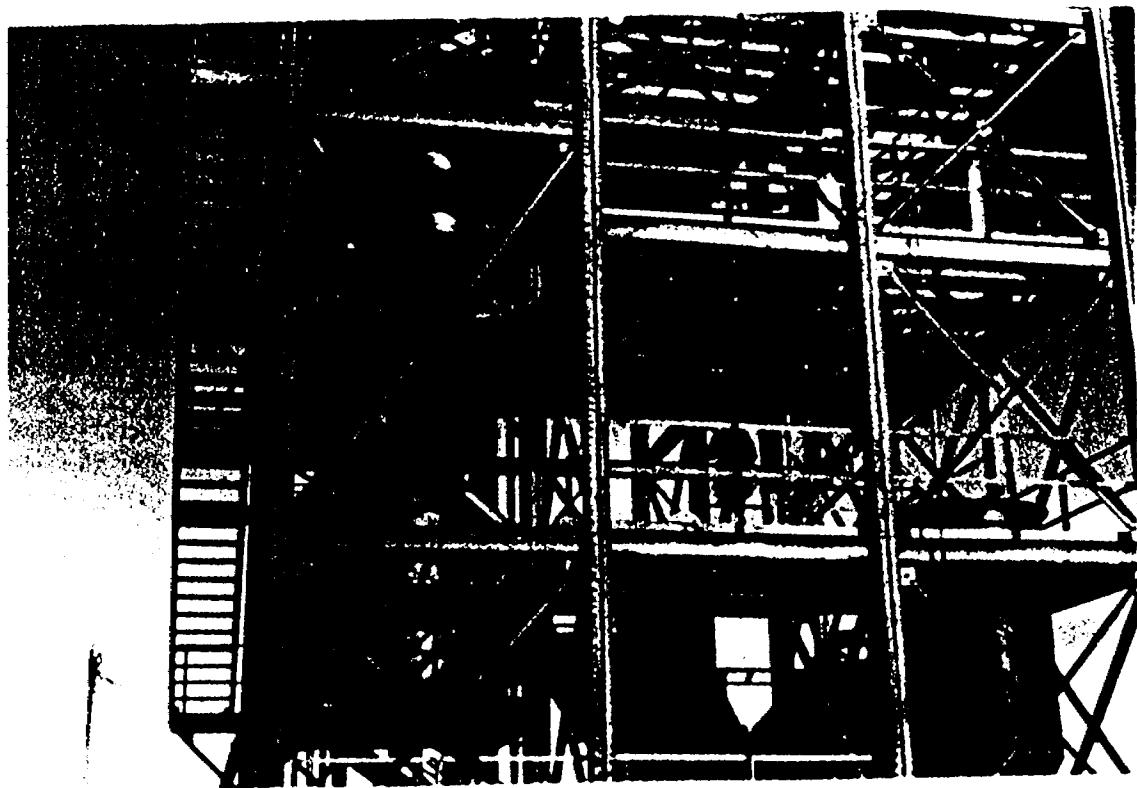
Here are photos of the Ilmenite Benefication Plant. The nine modules are shipped as three 10 X 10 X 39' with one cargo container as the Control Room and three other containers with the equipment.

Sincerely,

Wendell E. Dunn Jr.

Wendell E. Dunn, Jr.

WED/llv
Enclosures



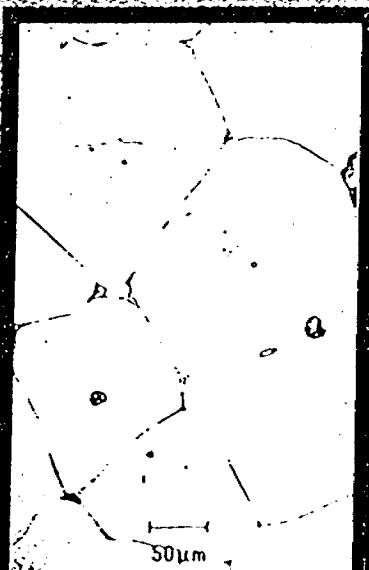


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PREMIER
PERICLASE

A NEW
LARGE CRYSTAL
SINTER MAGNESIA PRODUCT
FOR THE 1990's



There is a substantial amount of evidence which indicates that increased periclase crystal size leads directly to improved performance of magnesia based refractories in steel making and other applications. This is especially the case with pitch-bonded and resin-bonded carbon-containing magnesia refractories. Tests have shown that, where the average periclase crystal size of the magnesia in such products is increased from 90 microns to 150 microns, wear rate in oxygen steel making applications is reduced by as much as 30%.

Research and development at Premier Periclase Limited during the past few years has been directed towards meeting the needs of our customers for sinter magnesia products with large crystal size. The culmination of this process was the decision made by the company in April, 1989 to replace the old rotary sintering kiln with two new high temperature shaft kilns.

Designed and supplied by Refractories Consulting and Engineering GmbH, Austria, and erected by Premier Periclase's own engineering projects department, these new kilns each have a rated annual capacity of 50,000 tonnes of large crystal sinter magnesia. The layout of the kilns and associated plant and equipment is shown on the back cover of this leaflet. The total investment by Premier Periclase Limited in this new plant was IR£10 million (approximately \$16.5 million).

Trial production using the new kilns has commenced, and by January, 1991 Premier expects to be able to offer to customers a large crystal sinter magnesia product having the following typical chemical and physical properties:-

Chemical Analysis (wt %)

		<u>W_e(new)</u>
SiO ₂	0.20%	1.00 %
Al ₂ O ₃	0.05%	—
Fe ₂ O ₃	0.20%	0.40 %
CaO	1.90%	0.10 %
Mn ₃ O ₄	0.06%	—
Cr ₂ O ₃	0.06%	—
B ₂ O ₃	0.015%	0.01 %
MgO (By Difference)	97.5%	98.34
Ni oxides	—	0.14

Grain Bulk Density

(DIN 51065/PRE R.30)

3.44g/ml

Average Periclase Crystal Size

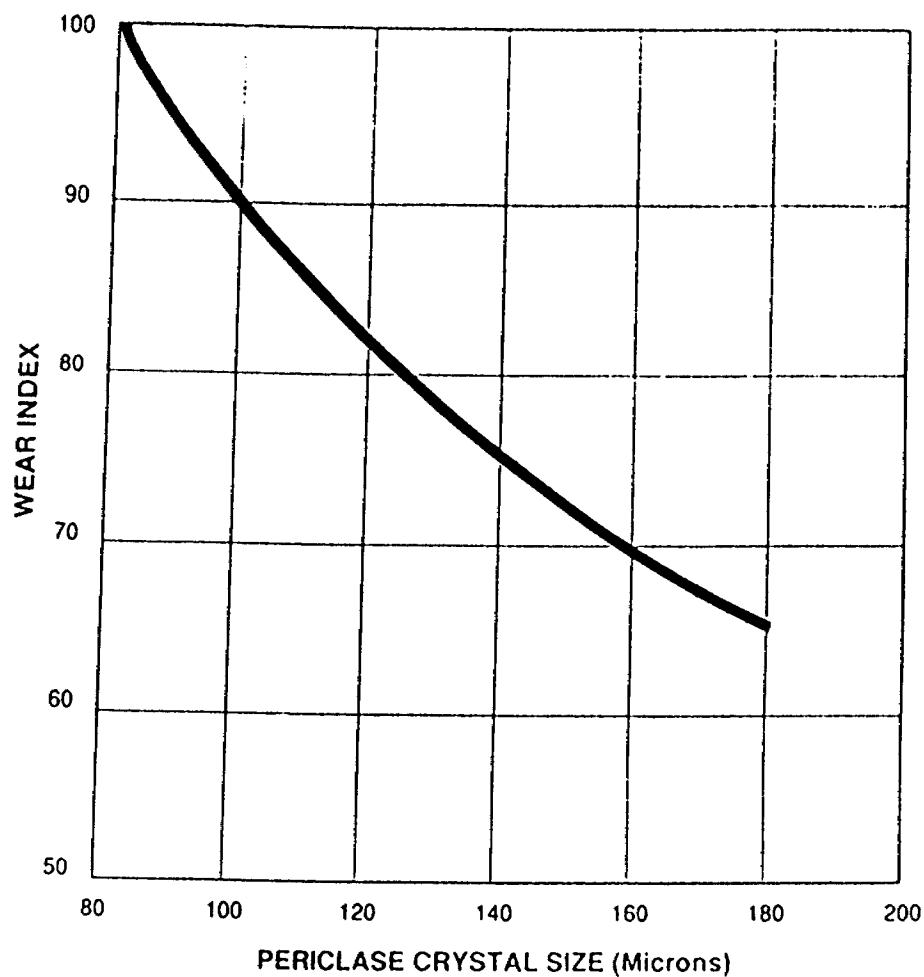
150–160 microns

Grain Size Distribution

80% + 5 mm
2% – 0.5 mm

MAGNESIA CARBON BRICKS

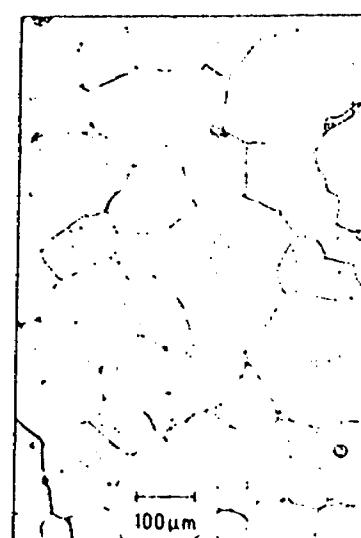
WEAR INDEX VS PERICLASE CRYSTAL SIZE



The graph shows typical comparative wear data for magnesia carbon bricks with periclase crystal size covering a range 80 to 180 microns approximately.

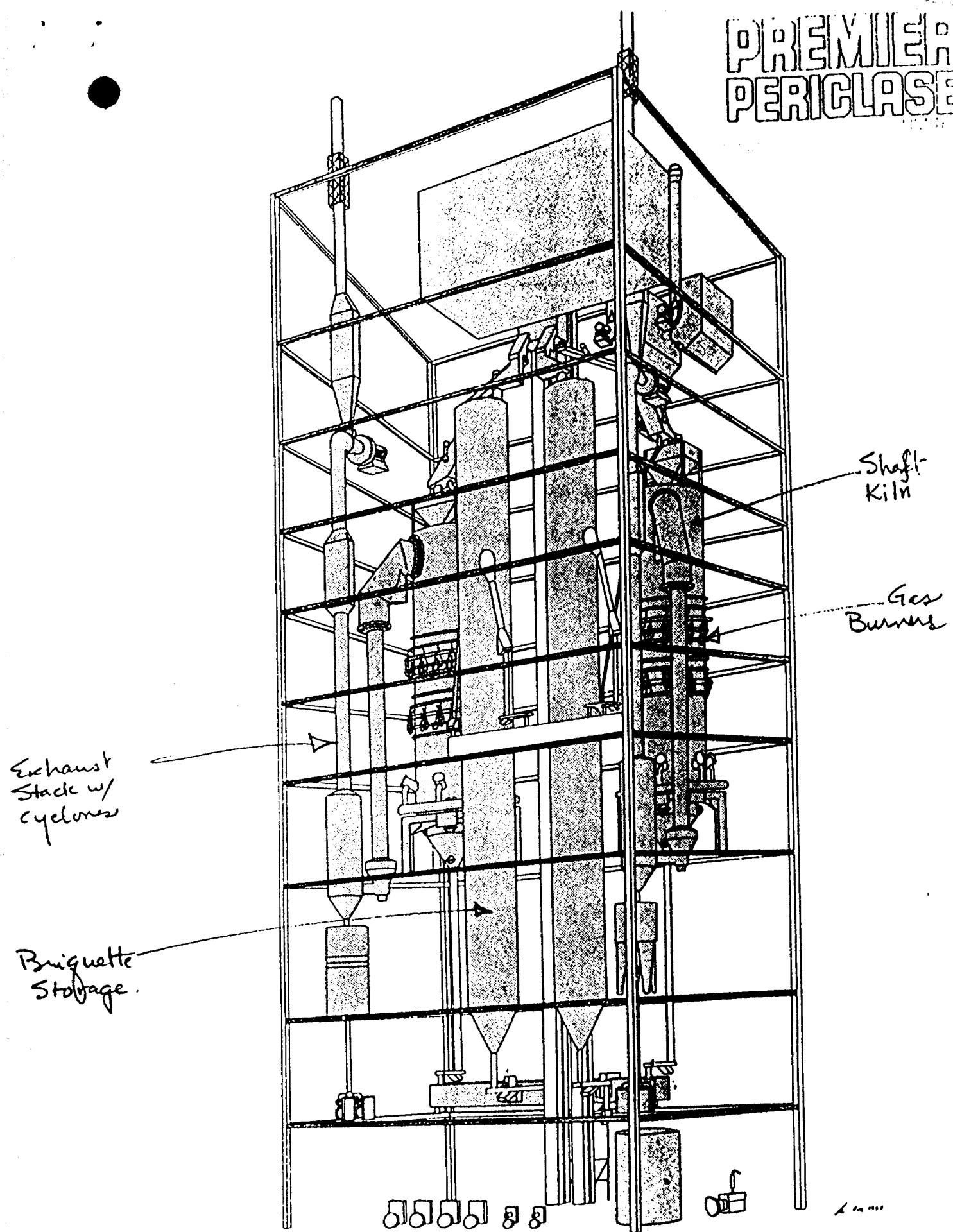


Typical Microstructure of Premier LS 100 Sinter Magnesia
(Average Crystal Size 100 μm)



Typical Microstructure of new Premier LC.
(Average Crystal Size greater than 150 μm)

Premier PERICLASE



Diagrammatic lay-out of new high temperature shaft kilns and associated equipment now installed at the Drogheda Plant of Premier Periclase Limited.

MAGNESIUM REFRactories LTD.
PROGRESS REPORT #1
(PERIOD JANUARY 4 - JUNE 30, 1990)
TIMMINS MAGNESIA PROJECT - 361670

The objective of the Project is to complete certain technical studies that lead to completion of a Feasibility Study Report by independent engineers. This Feasibility Report will be the basis for financing the \$60 million project and developing a major magnesia and talc manufacturing facility at Timmins to serve the North American refractories and fine paper industries.

In the reporting period Magnesium Refractories Ltd. concentrated on four key areas of the work, specifically the Commercial MgO Design, Process Review, Market Sample studies and Environmental. Following are detailed comments on each of these activities.

I. Commercial MgO Design

Technical analyses in-house have been concentrated on processing alternatives to best fit North American market requirements. Five separate economic analyses were completed under differing plant design configurations.

Supervision of consultants and contractors during the period related largely to small scale pilot runs at Lakefield Research. Five tons of surface ore from the mine site was transported to Lakefield and some of this material was crushed, ground and flotation separated. The magnesite ($MgCO_3$) concentrate so prepared was high temperature processed to prepare caustic calcined magnesia (MgO) for market purposes. The MgO calcine market with largest growth potential is for environmental use in acid water and sulphurous stack gas cleanup.

The MgO prepared at Lakefield was also finely ground, hydrated and briquetted at Alfred University's Department of Ceramics. This material was then dead burned in their high temperature facility at $2100^{\circ}C$. The product thus prepared was also used for market study purposes. This market is largely in the manufacture of refractory brick for lining cement kilns and electric steel furnaces.

Discussions were held with the Penoles staff in Mexico respecting technical cooperation in the production and marketing of the commercial MgO product from Timmins.

II. Process Review

Process analysis was a continuing activity during the period. As market investigations develop new inputs the design of the process has to respond with changes where such are economically and technically feasible.

With such a large proven reserve of Magnesite ore the potential exists to manufacture MgCO₃ concentrate for Mg metal manufacture. The Norsk Hydro Mg plant at Becancour, Quebec presently imports run-of-mine Magnesite from China for its feedstock. Technical discussions were held during the period respecting process considerations that would be necessary to allow Norsk to replace some Chinese purchases with our magnesite product.

III. Market Sample Studies

A. Magnesia - This work was discussed in part under section I.

Considerable work was undertaken during the period to prepare for the large scale pilot product runs. In March an extended trip to Europe advanced these studies.

i. Vienna - the meeting with Ruthner staff and the pilot plant inspection were preparatory to setting a budget for their work. Their lab scale analysis of high purity MgO production by the Ruthner spray roasting technique was also reviewed. A 5 ton sample of high purity MgO product is planned.

ii. Klagenfurt/Radenthien - meetings with the Radex engineering people were very fruitful and essential in the planning of the 45 ton shaft furnace pilot runs. Procedures for shipping this volume of material for hydrating and briquetting by others prior to transfer to Radenthien were discussed.

Meetings on the technical specifications for high iron Magnesia were held with the Radex research staff.

iii. Shell Groningen - the visit to this brine based, high purity Magnesia operation was a complete overview of a fully operational calcining, briquetting and dead burning facility. The Shell staff were very accommodating and operating and market problems were openly discussed.

iv. Rotterdam - The Van Mannekus operation is the largest importer of magnesia products in Europe. They purchase from major suppliers in China, Israel, Brazil and Greece and blend to client specifications, including those in the USSR. Their view of the market potential for our particular product was very valuable, particularly the market for the high purity MgO.

Overall the European trip was essential to the proper planning of the project.

B. Talc

All talc studies and market thinking has been directed at supplying our product to new, unconventional markets in North America. We were most successful in this regard in meetings with the RTZ group (Borax division) in London and the Finntalc management in Helsinki.

The RTZ group includes the present Lusinac talc operation at Timmins. It was agreed that we would begin evaluation of their products with the objective of a possible future joint venture.

The Finntalc organization has pioneered the use of talc to replace kaolin clays in the manufacture and finishing of fine paper. This technique is not used in North America mills at present and presents a great opportunity for growth in talc sales and for reduction of Canadian imports of US produced kaolin.

Negotiations continue with both groups.

IV. Environmental

Environmental baseline work, and studies as appropriate, will be fundamental to the feasibility studies and a financing decision.

In this regard Goodfellow Engineering Ltd. has overviewed the project and has been retained by Magnesium Refractories to independently assess the project's environmental impact. Dr. Howard Goodfellow has agreed to lead this involvement.

MAGNESIUM REFRACTORIES LTD.**PROGRESS REPORT #2**

(PERIOD JULY 1 - OCTOBER 31, 1990)
TIMMINS MAGNESIA PROJECT - 361670

During the four month reporting period the work was concentrated on analyzing alternative commercial and high purity MgO design options.

I. Commercial MgO Design

Continuing contacts with the U.S. market confirmed that the future trend is to lower Fe₂O₃ content in the MgO for most refractory brick applications. An Fe₂O₃ content less than 0.5% with our trace Calcium analysis would make Timmins MgO a unique and very well priced competitor to all forms of MgO product imported into North America. Accordingly, work during the period was concentrated on this aspect of the technology.

The original Ontario Research studies for Canadian Magnesite Mines were reviewed with one of the leading U.S. experts on iron removal technology. The technology, with certain key changes, was found to be applicable to our needs. The Dunn group of South Dakota were then contracted for a step wise appraisal of a commercial application of their proven chlorination process for our MgCO₃ concentrate. Test results will be available before year end.

Additional sample analyses were done at Lakefield and sample preparation work will be expanded prior to the end of the year. This sample will be used for the pilot level work in early 1991 to prepare low iron Commercial MgO material to assist in marketing the product.

The work on producing a very high purity MgO has been concentrated on finding a lower cost alternative to the Ruthner process. The Babcock design developed in the U.K. and applied in South Africa appears to fit our requirement (letter attached). We are currently investigating how large scale market samples can be prepared with this process.

II. Process Review

With each potential change in product analysis or product mix it has been necessary to insure a realistic process design is in place. Following this the proforma economics can be run for that case. Several process/economic evaluations were completed during the period for both Commercial and high purity MgO products.

III. Market Studies

Meetings with representatives of Franke & Schulte, international industrial minerals agents, were held during the period. The result was an improved alignment of our product design relative to market needs, present and future.

Contacts proposed by Franke & Schulte were followed up as appropriate, generating varying degrees of interest. Meetings with General Refractories in Pittsburgh were very positive - both in terms of improved knowledge of the market place and in respect of their interest in joint venture participation.

IV. Talc

Meetings with Sherritt Gordon in Vancouver together with their Bacon Donaldson subsidiary were productive in exploring their technology for preparing talc for direct tank truck delivery of processed talc slurry for paper finishing applications. Sherritt may consider participating in the MgO/Talc project at Timmins.

V. Environmental

Discussions with the Goodfellow organization during the period resulted in the Proposal which is attached hereto. With the completion of the chlorination studies by year end we will be able to define the plant processes and the related effluents. At that time the impact work can begin. In the meantime, Goodfellow will be establishing its baseline requirements and beginning its work for the project.

When we are clear on process design and Goodfellow's initial appraisals are underway (year end) we will begin discussions with the appropriate provincial and federal environmental authorities.



MAGNESIUM REFRactories LTD.
PROGRESS REPORT #3
(Period November 1, 1990 - December 31, 1990)

Timmmins Magnesia Project 361670

The positive results during the period from the research on iron removal from the MgO product has resulted in a shift in project emphasis. Market work, as well as process and economic studies during the period have confirmed this adjusted objective. The project is now directed at making a single magnesia product - a quality 98% MgO with low iron. The product may be sold as the calcine or will be dead burned to a high density clinker for manufacture of refractory materials. The Phase I "option" shown in Attachment 1 has thus been elected. Phase II will initially only encompass the Talc plant.

The iron removal process has an estimated incremental capital cost of \$5 million and annual operating cost of \$250,000. However, a new ferric chloride product ($FeCl_3$) is produced in the iron removal step. This material has a strong market in the environmental field and should generate incremental project revenue of \$4 million each year.

Commercial MgO Design

Expenditures in this category were largely related to the Dunn bench scale pilot work. The work was based on a library investigation of the specific chemical reaction thermodynamics, done by a researcher highly experienced in this technology. The resulting report is appended as Attachment 2.

Dr. Wendell Dunn is an international expert in high temperature chlorine leaching of minerals, particularly ilmenite. His company recently constructed and shipped a full scale, modularized plant to chlorine treat 42,000 tonnes per year of ilmenite for a producer in India (Attachment 3).

The bench scale pilot work is being concentrated on Fe_2O_3 removal from the calcined MgO at theoretical temperatures. This is being accomplished using chlorine gas and carbon monoxide. Under non optimal conditions an Fe_2O_3 reduction in the MgO from 5.5% to 0.4% was accomplished. Work is now underway to optimize the fluidized bed operating conditions.

There was early evidence that significant iron removal may take place at lower temperatures, where the uncalcined $MgCO_3$ concentrate is exposed to the chlorine leach. Further work will be done to verify if this non-theoretical reaction results in a consistent lowering of Fe_2O_3 in the $MgCO_3$. If so, further plant heat efficiencies could result. Moreover, a low iron $MgCO_3$ may make volume sales to Norsk Hydro in Quebec more viable.

Process Design

Estimating the capital and operating cost for the low iron option required considerable time during the period. The resulting economic studies confirmed that the low iron option was very attractive. A variety of computer runs were completed to reflect different financing options and the related tax effects.

An example of such an analysis is included as Attachment 4. This run assumes 70% debt financing. It does not, however, reflect income for the annual sale of 15 million pounds of new FeCl₃ product at approximately \$0.30 per pound. However, the capital and operating costs of the chlorine treatment are included.

Attachment 5 is a copy of an announcement of the newest seawater based, dead burned MgO product coming into the market place. Of interest is the high MgO analysis and large crystal structure analysis available. This is the size and quality level of European producer with which the Timmins project is expected to successfully compete.

Market Studies/Joint Ventures

During the period a second international marketer of MgO products has become interested in the project. CONSIDAR, based in New York, is the North American affiliate of a European steel making group based in Belgium and Luxembourg. In addition to wanting to represent the sale of the low iron material, CONSIDAR has begun negotiations to participate as a joint venture partner.

A second joint venture candidate, Placer Dome Inc., has reviewed the project with us and is evaluating a decision to participate.

Premier Refractories, of Cleveland, Ohio, formerly Basic Refractories Inc., is a long term US producer of MgO for the refractories industry. They are also reviewing our data and considering participation.

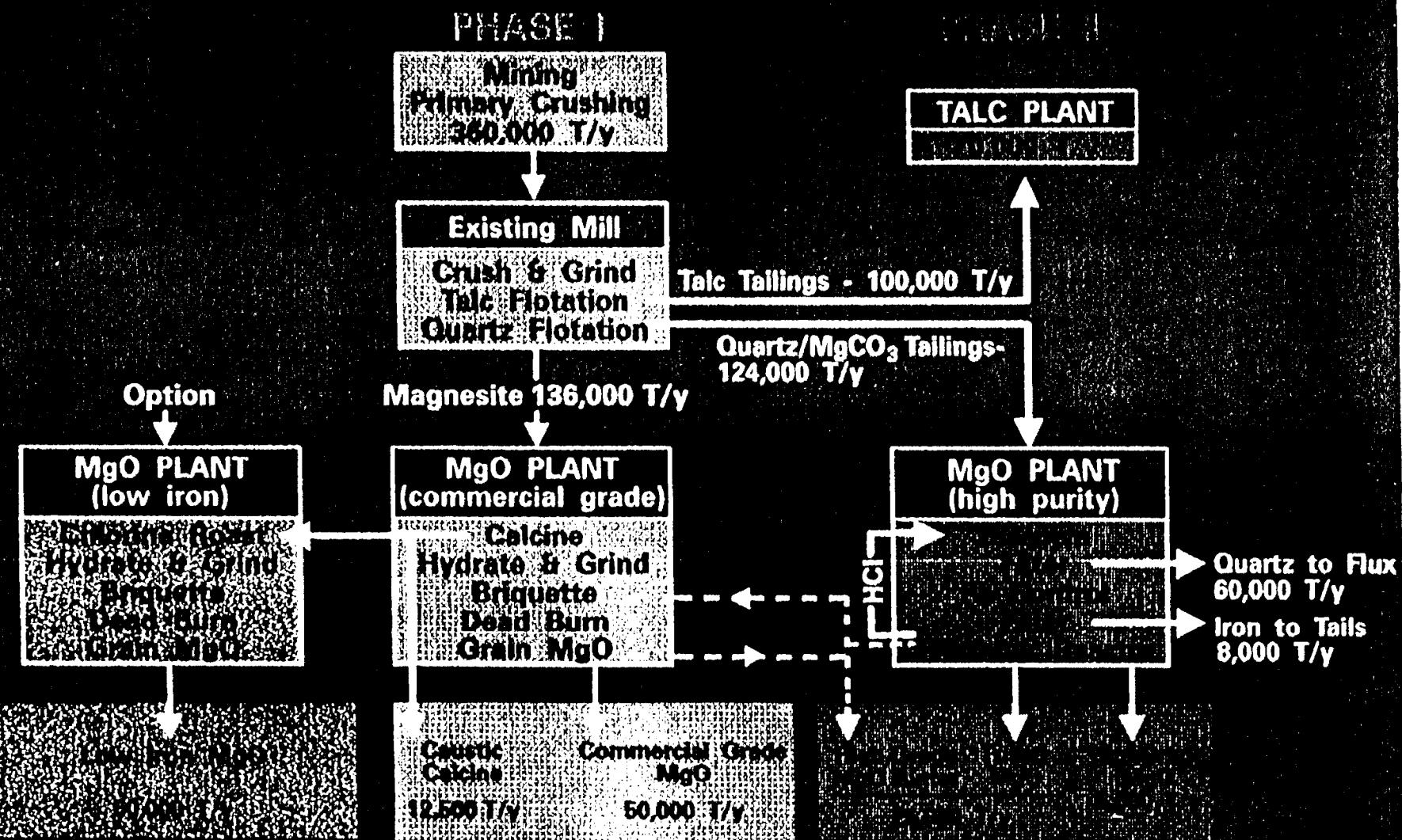
General Refractories Co. of Pittsburgh continues its evaluation of our project.

We have become aware of the market growth of Baymag's caustic calcined MgO into the western pulp making industry (20,000 tonnes per year). This market is now being investigated in the eastern Canadian and US pulp industry.

Environmental

Goodfellow's work has not been significantly expanded during the period. These studies will begin when the process parameters and effluents are defined at the conclusion of the Dunn work.

MAGNESIUM REFRACTORIES LTD. PROCESS AND PRODUCT PLAN



**SUMMARY REPORT ON MAGNESITE
BENCH SCALE AND PILOT PLANT PROJECT
TO PRODUCE HIGH PURITY MAGNESIUM OXIDE (MgO)**

1. Main Target of the Project - The main target of the Project is to produce a low iron, high purity magnesium oxide from a magnesite flotation concentrate using ore from the Deloro Township magnesite as feed material for the flotation plant.
2. The name of the property is "The Deloro Township Magnesite Deposit".
3. Location, Access and Mining Division - The Property is located seven miles south of Timmins, Ontario in Deloro Township. Access to the property is by way of seasonal bush roads, through the old Buffalo Ankerite Mines property and thence southerly via winter logging road a distance of approximately five miles. The property is located in the District of Cochrane, Porcupine Mining Division.
4. The claims consist of 19 unpatented (staked) claims, purchased from Pamour Mines (Pamorex) under a Purchase Agreement dated August 22, 1989.
5. No option agreements or contractual work obligations apply to the property. In the purchase agreement with Pamour, certain cash payments against the purchase price are to be made over the next several years. Pamour retains a net smelter royalty of 2% on value of future production.
6. Regional and Local Geology - The deposits and the rocks with which they are associated are early Precambrian or Archeozoic in age. The general strike is easterly, with steep or vertical dips.

The enclosing rocks are lavas with very minor amounts of banded siliceous sediments. These have been intruded by stocks of ultrabasics, now altered to serpentinite, and by diabase dikes. The magnesite is an alteration of the serpentinite and is older in age than the diabase which separates the carbonate into north and south zones.

7. Current Status of Exploration with Highlights of Results to Date - Drilling done in the early 1960's outlined 20 million tonnes of ore containing 52% magnesite ($MgCO_3$) and drill indicated additional tonnage. Additional drilling is needed to investigate depth potential of the deposit and to further detail the indicated reserve and identify the content of the trace element, boron.
8. Recommended Work Program - Since 1962 the property has been investigated by Canadian Magnesite Mines and Pamour Mines. Drill proven reserves were outlined and pilot plant work was done to produce a magnesite concentrate, which was then calcined and briquetted and the briquettes sintered (fired at high temperature) to produce a high density, dead burned magnesia, suitable for use as a basic refractory.

Because of the high iron content of the product, it had limited use as a low priced refractory and it was not possible to develop sufficient market to justify production.

A process to remove iron from the crystal lattice of the magnesite, using chlorine to form ferrous chloride was investigated on the bench scale at Ontario Research Foundation in the late 1970's and early 1980's, but the studies were discontinued due to lack of funds. The results of the initial work were positive.

The present program consists of further detailing ore reserves with diamond drilling, preparation of magnesite concentrate at Lakefield Research and bench scale and pilot plant processing of the concentrate, with the chlorine roast process, to produce a high purity MgO for the refractory industry.

The budget for this work is outlined as follows:

1. Evaluate known data relating to the process and develop bench scale test procedure	\$ 10,000
2. Survey of the Claims	20,000
3. Diamond Drilling, 10,000 feet including supervision and assaying	275,000
4. Ore Delivery to Lakefield Research	9,000
5. Lakefield Research - Prepare Pilot Plant Feed (Flotation Concentrate)	70,000
6. Bench Scale Testing at Chlor-Pure in South Dakota	200,000
7. Pilot Plant Testing at Chlor-Pure in South Dakota	250,000
8. Environmental Assessment	5,000
9. Marketing	50,000

~~\$889,000~~

X 30%
= 269,700

Eligibility for FedNor Funding - 50% of \$539,000 or ~~\$269,500~~

Balance of Budget	\$619,500
Add 5% Overhead	\$ 30,975
	\$650,475

OMIP Grant at 30% of \$650,475 = \$195,142.50

9. Estimated Start Date of Project - The work has been in progress since April and the process evaluation study has been completed, and the report written (copy attached).
10. Estimated Completion Date - The work is scheduled for completion by February 15, 1991.

11. Bibliography of Published and Unpublished Reports - There are no published reports. Unpublished reports are listed under separate cover.
12. SK1, SK3, SK5, SK6 and SK7 (see attached).
13. Environmental Studies - The firm of H. Goodfellow and Associates has been assigned the responsibility of monitoring the work in progress for environmental concerns and to evaluate the environmental impact of the process, when the operating parameters of a commercial plant have been determined by the pilot plant investigation. During the period through to end of February, 1991, we will expect an interim report only from Goodfellow and Associates.

James A. Bates
October 12, 1990

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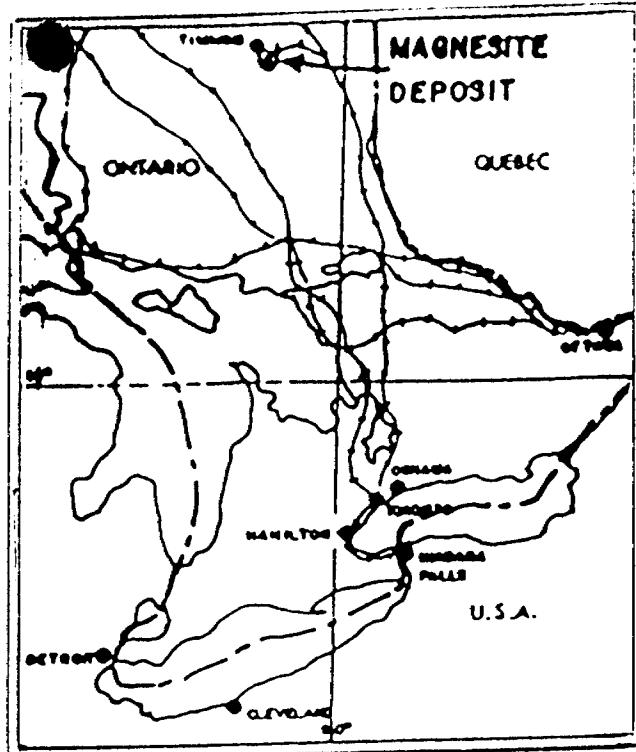
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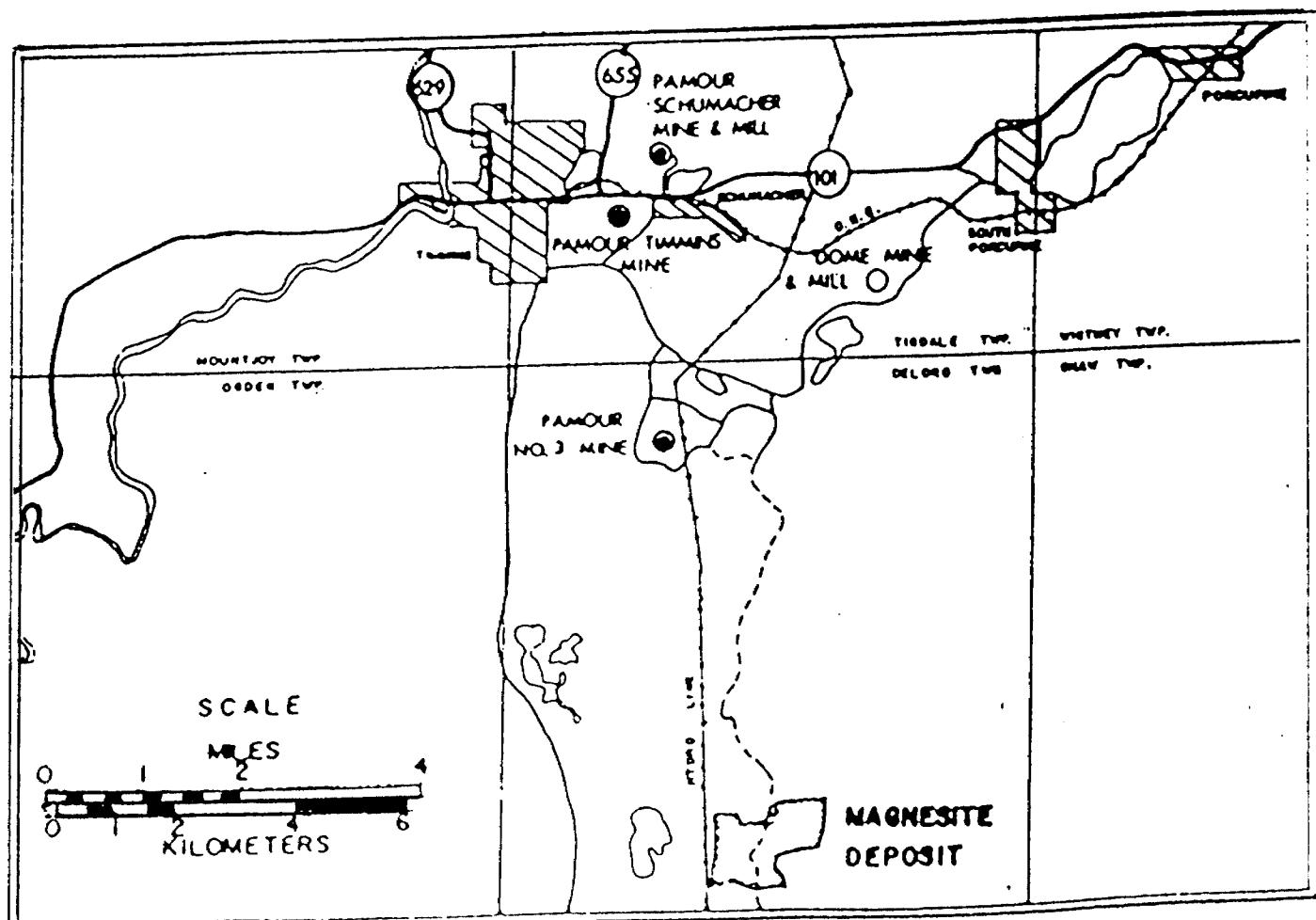
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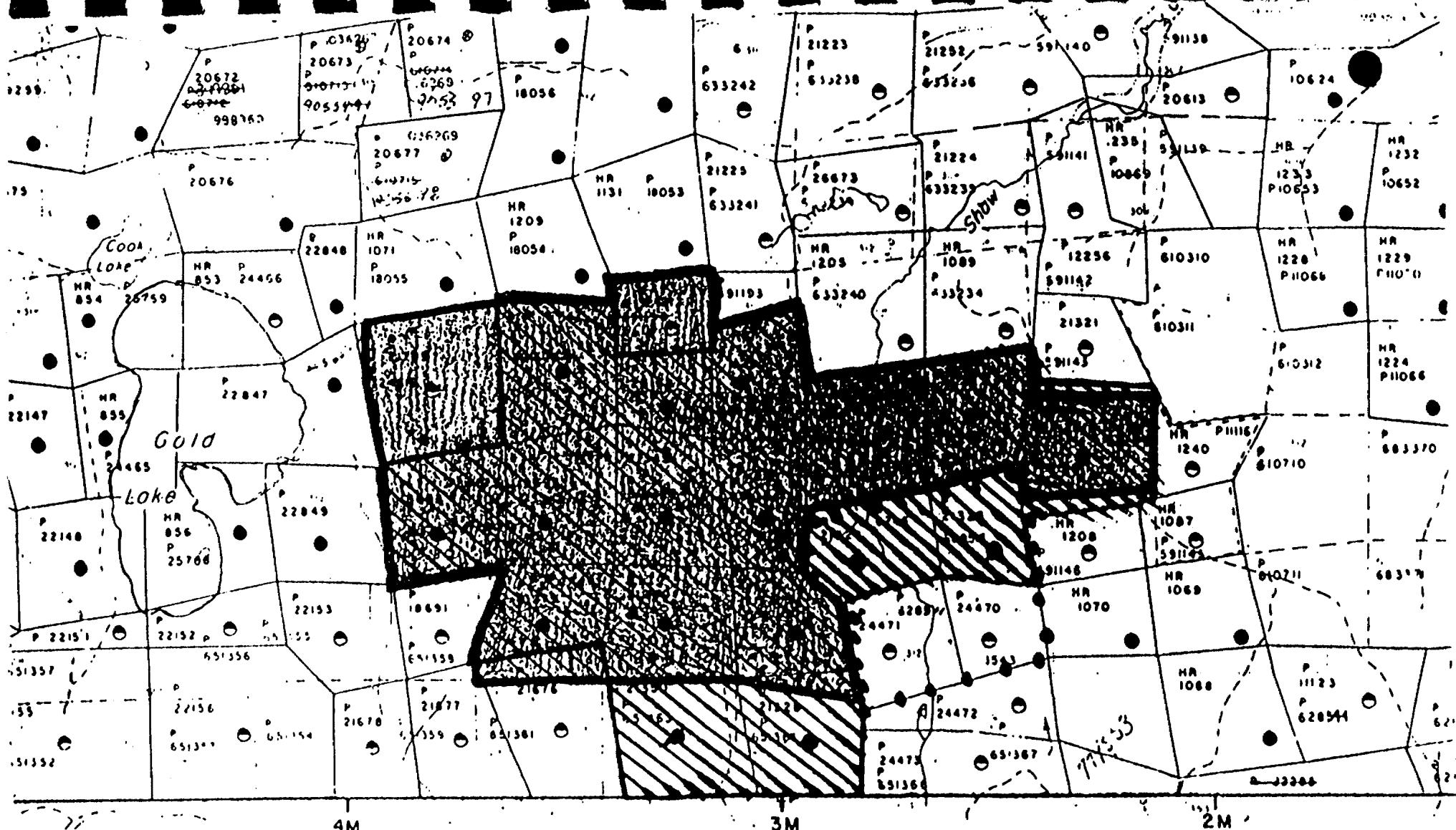
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MAGNESIUM REFRACTORIES LTD.



SK - 1



ADAMS TWP. G-

SK-3

Timmins Area

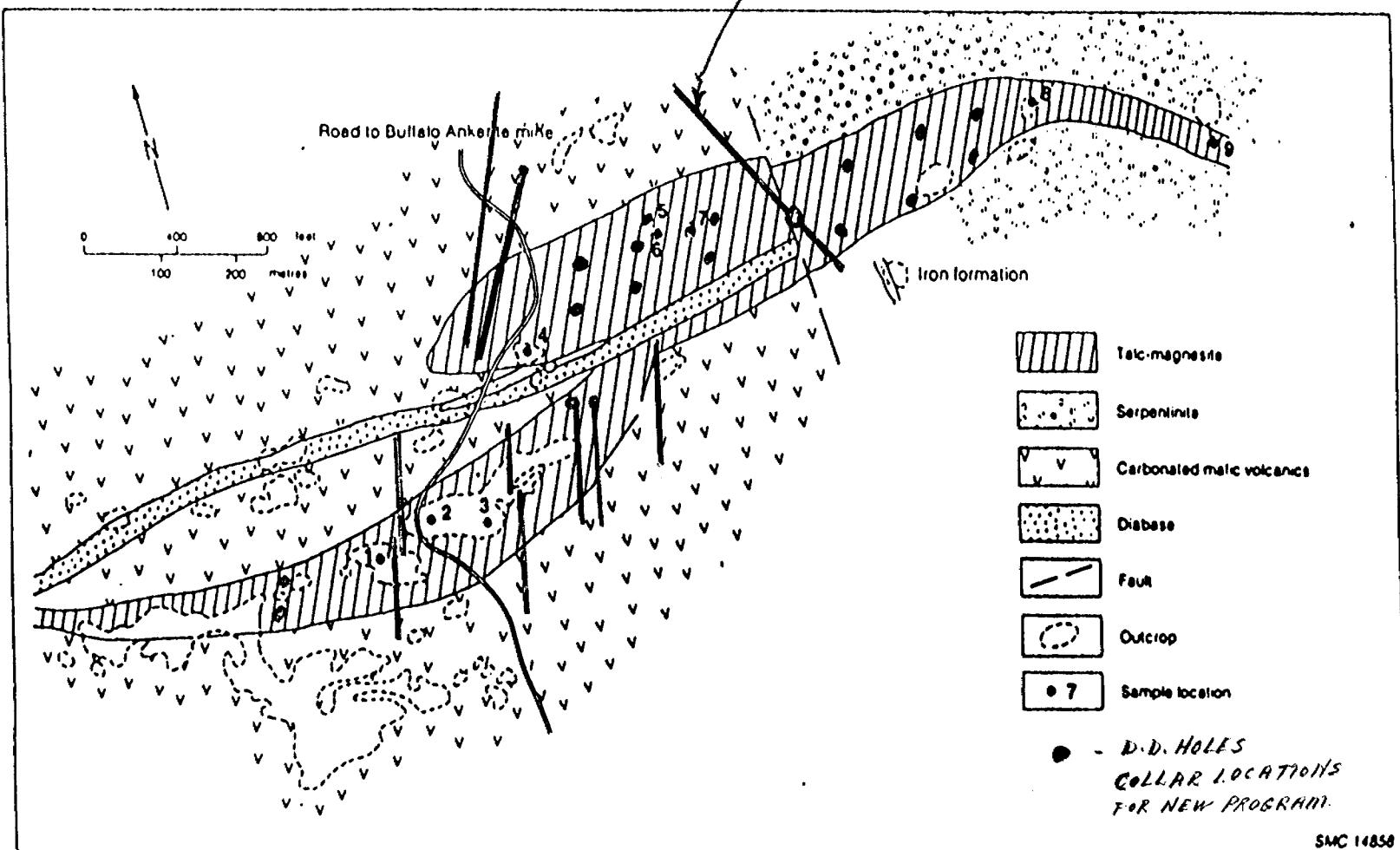
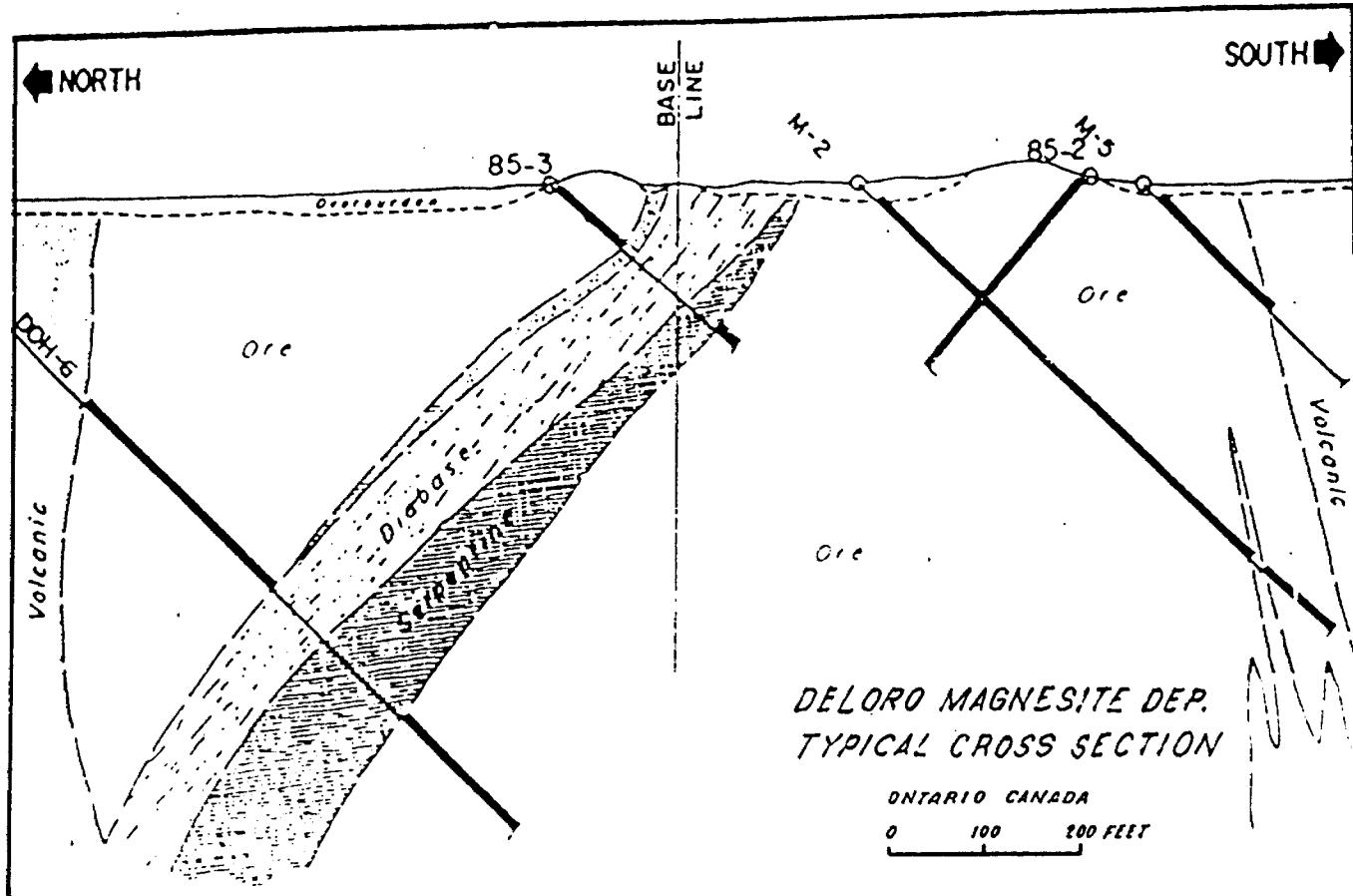
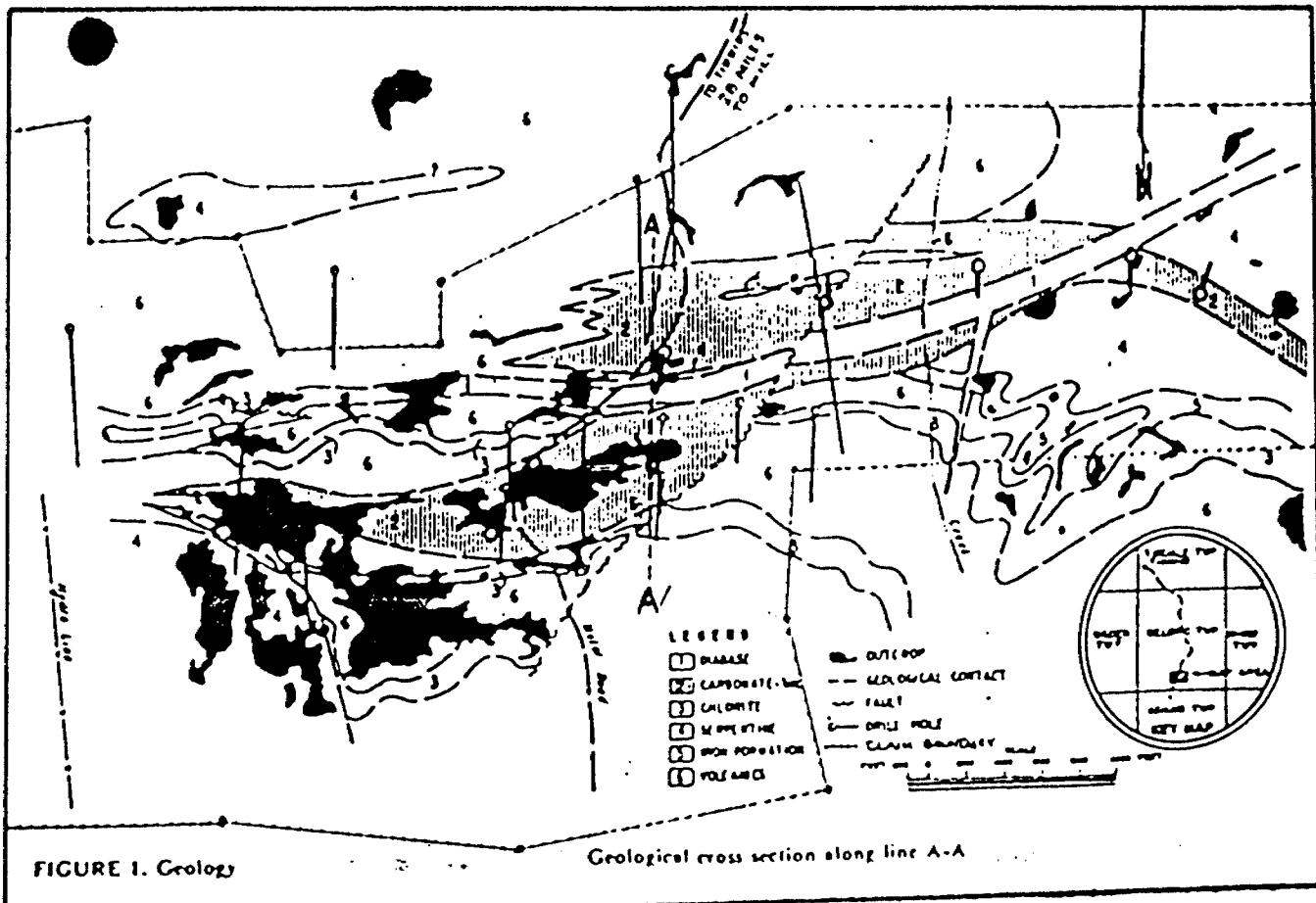


Figure 26—Geological sketch map of Canadian Magnesite Company Limited talc-magnesite deposit, south Deloro Township (modified after Griffis 1972).

SOURCE OF DATA ONT. GEOLOGICAL
SURVEY REPORT 219 1982

SK - 6





42A06NE0429 63.6084 DELORO

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IRON REMOVAL FROM MAGNESITE

WORKING DRAFT
FOR
REPORT ON PHASE II
BENCH PILOT STUDIES

Dr. Wendell E. Dunn, Jr.
Thomas and Wendell Dunn, Inc.
18 March 1991

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INTRODUCTION:

The Phase I report provided a theoretical study which applied high temperature chlorination technology developed for an ilmenite beneficiation process to the problem of iron removal from magnesite.

As the Phase II bench scale phase of the project was underway several insights caused changes in direction. These were:

- a) desirability of producing a low temperature calcine,
- b) desirability of using carbon monoxide rather than carbon as the reductant,
- c) prevention of bed sticking due to presence of $MgCl_2$ at liquid temperatures.

The program was varied as each of these factors became known. The reactor concept changed from a "reducing" bed condition to the use of a "phasing" concept wherein the reducing condition and the chlorinating condition alternate for many cycles.

SUMMARY:

CONCLUSIONS:

The information gained in the bench pilot work covered by this report provides the following results:

- a) Fluidization of the calcined material is excellent and reasonable bed gas velocities can be used.
- b) Iron in the calcined magnesite can be removed to very low levels.
- c) By the use of "phasing" i.e. alternating CO and Cl₂ flows, the chlorination can take place at temperatures above the MgCl₂ melting point.
- d) Satisfactory chlorination rates can be obtained even at temperatures at 850°C and below.
- e) Although using thermochemical data to predict the iron removal per cycle, results at elevated temperatures are much higher than predicted.
- f) Evidence of Ni and Mn removal at low temperatures was seen. Ni was removed at temperatures below 700°C.
- g) The reaction produces heat in both parts of the cycle sufficient to allow extensive inert gas dilution if desired.

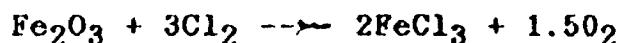
THERMOCHEMISTRY:

Calculating what is possible from free energy values we have the two reduction reactions of iron oxide with CO from Fe_2O_3 to magnetite I and to ferrous oxide II.

The K values differ by more than three orders of magnitude although the second reduction, equation II allows a ratio of CO_2/CO of about 18. Where the CO is being exhausted as it passes upward one could get reasonable CO efficiency if the reduction is dependent only upon the free energies.

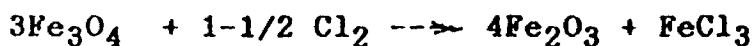
However, if we look at the reduction reactions as being dependent upon the oxygen partial pressure, calculated for III and IV it is apparent that neither reaction is possible. Thus the reaction is some sort of surface absorption of CO or Cl_2 the surface area of the Fe_2O_3 , MgO or diffusion to one or the other will control.

Considering the attack upon ferric oxide the free energy of



at 1300K is +8.596Kcal and the $K = 1/27.7$.

For the reaction



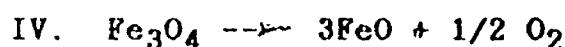
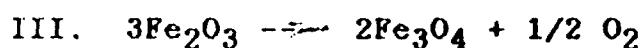
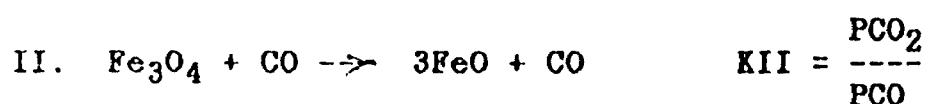
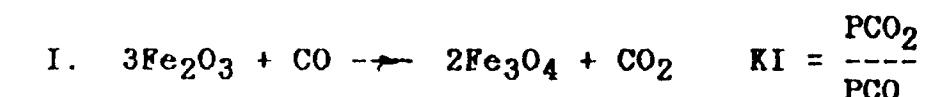
the free energy improves from -18,940 to -27,570 as the temperature decreases from 1300K to 950K. So the reaction will essentially go to completion i.e.

$$K = \frac{P\text{FeCl}_3}{P\text{Cl}_2} = 2.16 \times 10^6$$

- I. $3\text{Fe}_2\text{O}_3 + \text{CO} \rightleftharpoons 2\text{Fe}_3\text{O}_4 + \text{CO}_2$
 II. $\text{Fe}_3\text{O}_4 + \text{CO} \rightarrow 3\text{FeO} + \text{CO}_2$
 III. $3\text{Fe}_2\text{O}_3 \rightleftharpoons 2\text{Fe}_3\text{O}_4 + 1/2 \text{O}_2$
 IV. $\text{Fe}_3\text{O}_4 \rightleftharpoons 3\text{FeO} + 1/2 \text{O}_2$

ΔG_T	Fe_2O_3	Fe_3O_4	FeO	CO	CO_2
950K	137,306	193,101	50,229	46,802	94,644
1000K	134,363	689,541	49,495	47,859	94,628
1100K	128,461	182,336	47,991	49,962	94,658
1200K	122,540	175,096	46,474	52,049	94,681
1300K	116,616	167,849	44,955	54,126	94,701

ΔG_T	I	II	K _I	K _{II}	K _I /K _{II}
950	-22,126	-5,713	121,028	17.66	6.85×10^3
1000	-23,726	-5,713	150,634	17.65	8.5×10^3
1100	-23,985	-6,333	57,357	18.05	3.2×10^3
1200	-25,204	-6,958	38,347	18.42	2.1×10^3
1300	-26,425	-7,591	27,297	18.81	1.45×10^3



ΔG_T	I	II	K_I	K_{II}	$\frac{CO_2}{CO}$ I	$\frac{CO_2}{CO}$ II
1000	-23,127	-5,713	1.1×10^5	1.431	1.1×10^5	1.43
1100	-23,985	-6,333	5.7×10^4	2.89	5.7×10^4	2.89
1200	-25,204	-6,958	3.8×10^4	18.4	3.8×10^4	18.40
1300	-26,425	-7,591	2.7×10^4	18.8	2.7×10^4	18.80

ΔGT	III	IV	K_{III}	K_{IV}	$P O_2$ III	$P O_2$ IV
950	+25,716	42,414	1.2×10^{-6}	1.8×10^{-10}	1.5×10^{-12}	3.2×10^{-20}
1000	+23,643	41,056	6.9×10^{-6}	1.1×10^{-9}	4.7×10^{-11}	1.2×10^{-18}
1100	+20,711	38,363	7.9×10^{-5}	2.4×10^{-8}	6.1×10^{-9}	6.0×10^{-16}
1200	+17,428	35,674	6.7×10^{-4}	3.3×10^{-7}	4.6×10^{-7}	1.1×10^{-13}
1300	+14,150	32,948	4.2×10^{-3}	2.94×10^{-6}	1.76×10^{-5}	8.66×10^{-12}

EXPERIMENTAL TECHNIQUE:

Two quartz fluidized bed reactors, 1" and 4", were used to chlorinate the calcined magnesite. The whole product supplied by Lakefield Research was used, smaller fractions blowing out of the reactor in amounts depending on gas velocity.

The smaller reactor had a fritted quartz bottom, the 4" (100 mm) reactor had a cone bottom. Both were electrically heated with a thermocouple tube extending downward from the top.

Gases exited from a sidewarm into a horizontal glass condense and thence to a water bubbler to collect the uncaptured ferric chloride and blow over MgO not settled out in the condenser.

When work shifted to the 4" reactor the magnesite was calcined in situ, care being taken to handle the eruption of CO₂. Much of the fines came over in this step.

Gas flows of the N₂, CO and Cl₂ were measured by six capillary flow meters with a wide variety of capacities. The gas flow cleared the reactor in ten to twenty seconds.

The condensers were washed down to measure the ferric chloride but reaction with blowover MgO, particularly the lower temperature calcines had to be pH adjusted. Mg values were unreliable and not used. The iron chloride values had some meaning but the basis of data correlation was the final iron content of the bed. Where bed sticking was severe the run was abandoned. Some indication of bed condition could be obtained from pressure variations of the gas flow line manometer.

Where a portion of the bed had stuck-up it would have received less cycling exposure. The free portion of the bed would

be the correct indicator of the cycling history and was used as such.

Early experiments with CO+Cl₂ gas flow were directed toward low temperature chlorination and judged unsuccessful. Although later in the last run, 4M24, after nine cycles the flow was switched to a CO+Cl₂ gas mixture. The temperature was well below the MgCl₂ melting point at 650°C and the bed did not stick during the ten minutes. The iron chlorination continued at about the same rate, albeit a low rate.

Analysis were made using a Perkin Elmer ICP model for comparison with standards. The total dissolution of the bed sample gave a high magnesium matrix effect. This was discovered after Run 4M24 and an alternate method of iron analysis will be developed using a spectrophotometer. The error in some cases may be as large as 25% but is not too significant where the iron removal is nearly two orders of magnitude.

Collection of FeCl₃ gave a rough estimate of iron removal rates but a mass balance was not attempted because fines blowover interfered. Early leaching of high temperature calcined material appeared to show no iron extraction from the fines.

Later, working at lower temperatures, the iron chloride was reacted and sequestered by the MgO in the washing step. Bringing the pH down to solublize the iron again extracted iron from the blowover. So the data from condenser collections has not been used in the correlation presented.

CYCLE COEFFICIENT

If we wish to correlate number of cycles with the remaining iron in the MgO for the various runs, we can express the iron removal curves e.g. Run 10 and 19, 19A with a single cycle coefficient, an average for all the cycles performed.

Theoretically reduction to Fe_3O_4 will remove 1/9th of the iron per cycle or .8889 (8/9ths) remaining if the reduction goes to Fe_3O_4 as indicated by thermochemical constraints.

Experimentally we have observed values of the coefficient considerably smaller, particularly at high temperatures. This means that either the reduction is more complete or another reaction is helping out e.g. an absorption which allows the CO and Cl_2 to be present simultaneously in spite of the "phasing".

This is particularly noticeable in the high temperature runs, but still visible at lower temperatures, where in spite of lowered reaction rates one still sees coefficients below theoretical for reduction to Fe_3O_4 as predicted by thermochemical values.

The "cycle coefficient X", is calculated from the equation:

$$\frac{\% \text{Fe}_n}{\% \text{Fe}_0} = X^n \quad \text{where } n = \text{number of cycles}$$
$$\% \text{Fe}_0 = \text{initial Fe}$$

or $\log \frac{\% \text{Fe}_n}{\% \text{Fe}_0} = n \log X$ $\% \text{Fe}_n = \text{Fe after } n \text{ cycles}$
 $X = \text{average fraction of the iron}$
 $\text{remaining after one cycle.}$

EXPERIMENTAL DATA:

Table (1) Iron Removal by Phased Runs shows the results obtained for runs where the fluidized bed appeared to have been adequately fluidized. The run nomenclature indicates the reactor size, one to four inches. The letter M signifies magnesite and this is followed by the run number.

Headings indicate the variable. The "Coeff." is derived as described above. Temperatures varied during the run. The values shown are the "target" values for the operator who manipulated heaters manually to control.

Two plots based on ferric chloride values washed from the condensers or a semi-log plot shows the course of the iron removal. The cycle coefficient is calculated from the end point. Also shown is the "theoretical cycle coefficient integrated for nine cycles. c.f. Thermochemical discussion section

Making judgements from the data of Table (1) as to the effect of the variables on sees the clustering of cycle coefficients around .87 and below. This reflects the reduction of Fe_2O_3 to Fe_3O_4 and no further reaction for the cycle. This value range appears at low temperatures as in Run 4M23, 4M22, 4M21. The coefficient is also noted in 1M10 a high temperature calcine at low reactant concentrations and times. At higher concentration and times the coefficient is markedly lower i.e. a greater fraction of the iron removed per cycle.

At the lower, but still high calcination temperature, high Cl_2 and CO concentrations and same time the "coefficient" falls to a value of about .5 yielding a very low iron for 4M12.

Increasing the cycle time but lowering concentrations of Cl_2

and C0 yielded a even lower "coefficient". 4M14

Lowering the temperature of reaction (but not of calcination), keeping the concentrations and times shows a marked reduction in rate, i.e. higher coefficient. c.f. 4M15

Run 19 and 19A show that a 12 fold Cl₂ concentration increase but lower (1/5) Cl₂ flow time in the cycle increased the cycle coefficient whereas in the second part of the run 19A, restoring the Cl₂ exposure time greatly lowered the cycle coefficient to where 40% of the iron was removed.

This is probably evidence that the Cl₂ rate can be limiting even though the concentration is high. This limitation is of a reaction beyond and apart from iron removal expected from the phased reduction - chlorination iron removal.

Lowering the temperature even further to 800°, under conditions parallelling 4M14 and 4M15 increases the coefficient toward the theoretical single stage reduction to Fe₃O₄ followed by chlorination c.f. Thermochemical section

4M21, 4M22 and 4M23. Run 4M24 took the temperature well below the melting point and apparently below the conditions where the iron removal is determined by reduction to and chlorination of Fe₃O₄ is taking place.

The limitation on temperature for making caustic calcine is 850 C, the rate as evidenced by the "cycle coefficient" declines to an unacceptable level below 700°. The reactor design must be for that temperature range.

Of more than passing interest is the question why can the "cycle coefficient" fall significantly below what is thermochemi-

cally expected. Obviously another reaction is participating.

Although the gas retention time in the bed is a matter of seconds, it was noted that there was not a sharp cut-off in FeCl₃ coming into the condenser with cessation of Cl₂ flow. The practice has been to change condensers (x-over, cross over) at the end of the CO part of the cycle to pick up the last of the ferric chloride from the previous cycle.

If we have a mechanism where Cl₂ absorbs on the extended surface generated during calcination of MgCO₃, then when CO is turned on the MgO surface must face the combined CO-Cl₂ attack. This combination could also react with the Fe₂O₃, and would preferentially. The MgCl₂ made will react with Fe₂O₃ according to the equation:

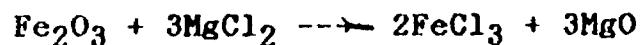


TABLE 1
IRON REMOVAL BY PHASED RUNS

RUN	% Fe	CYCL	COEFF	CALC TEMP	CHLOR TEMP	C12 CONC	CO CONC	TIME, MIN. C12	TIME, MIN. CO	VEL FT/ SEC	NOTE NO.
1M9	.459	8	.794	1100	1000	55	55	3	3	.41	(1)
1M10	.799	9	.867	1100	1000	19	5	2	2	.68	
4M11											(2)
4M12	.003	10	.503	1000	1000	40	60	2	2	.27	
4M14	.0060	7	.414	1000	1000	7.7	7.7	15	15	.24	
4M15	.178	4	.500	1000	900	7.7	7.7	15	15	.26	
	.0878	12	.747								
4M16	.0180	9	.569	1000	815	8.3	8.3	15	15	.26	
4M19	1.4996	3	.803	1000	975	100	100	3	10	.185	
19A	.0940	6	.603			100	100	15	10		(3)
4M20	.7996	6	.807	800	800	8.7	8.7	10	10	.44	
	.1840	12	.795			8.7	8.7	10	10		(3)
4M21	1.1394	7	.875	704	704	8.7	8.7	10	10	.41	
4M22	2.5168			820	820	16.7	100	15	10	.20	(4)
	.6799	11	.877								(3)
4M23	.6987	10	.868	715	715	16.9	100	15	10	.18	
4M24	2.1978	10*	.973	660	660	14.6	100	15	10	.23	

NOTE #1: Balance of gas is Nitrogen

NOTE #2: Run discarded stuck bed.

NOTE #3: Bed removed and reintroduced after sampling.

NOTE #4: Stuck portion analysed separately.

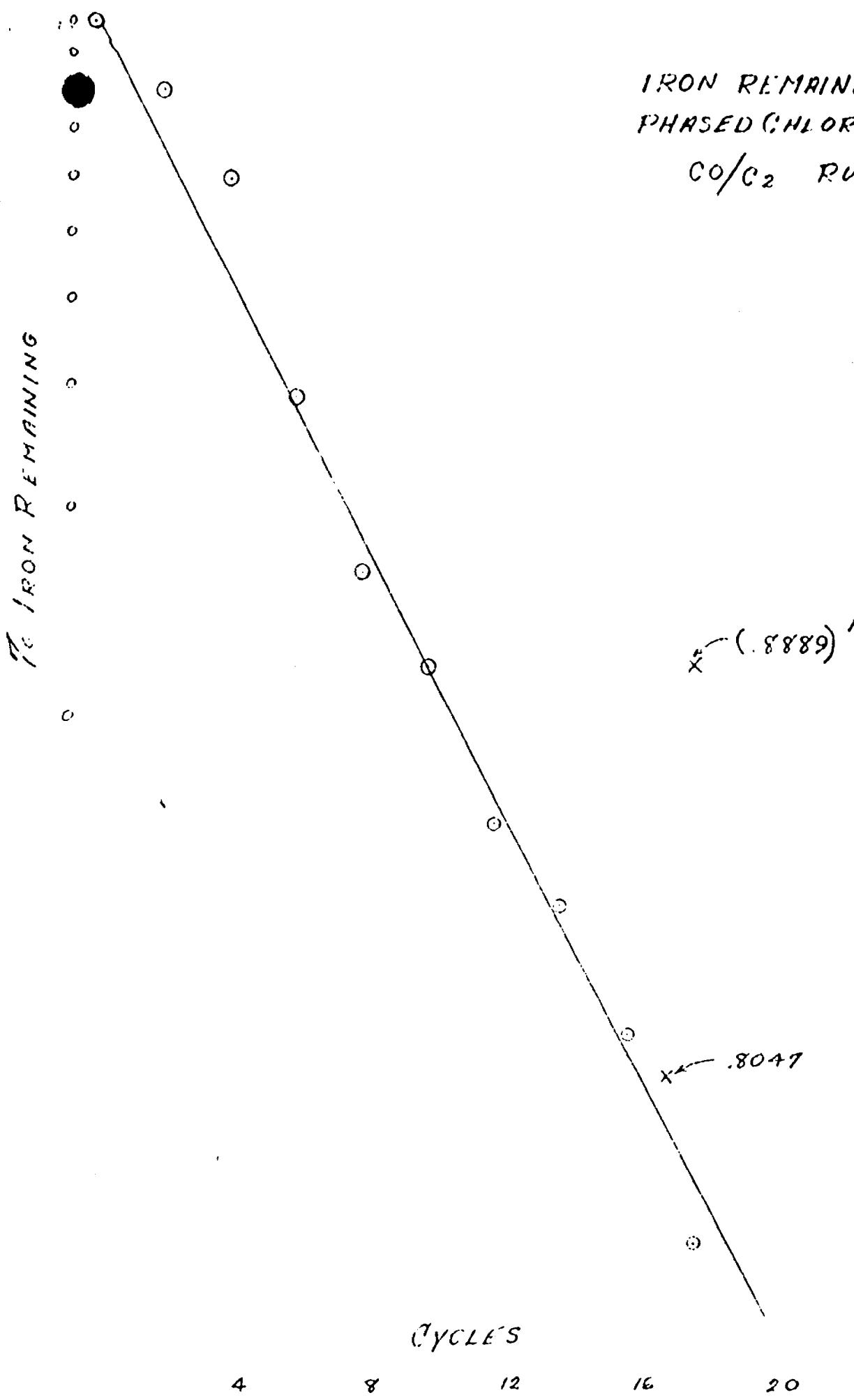


FIG 1

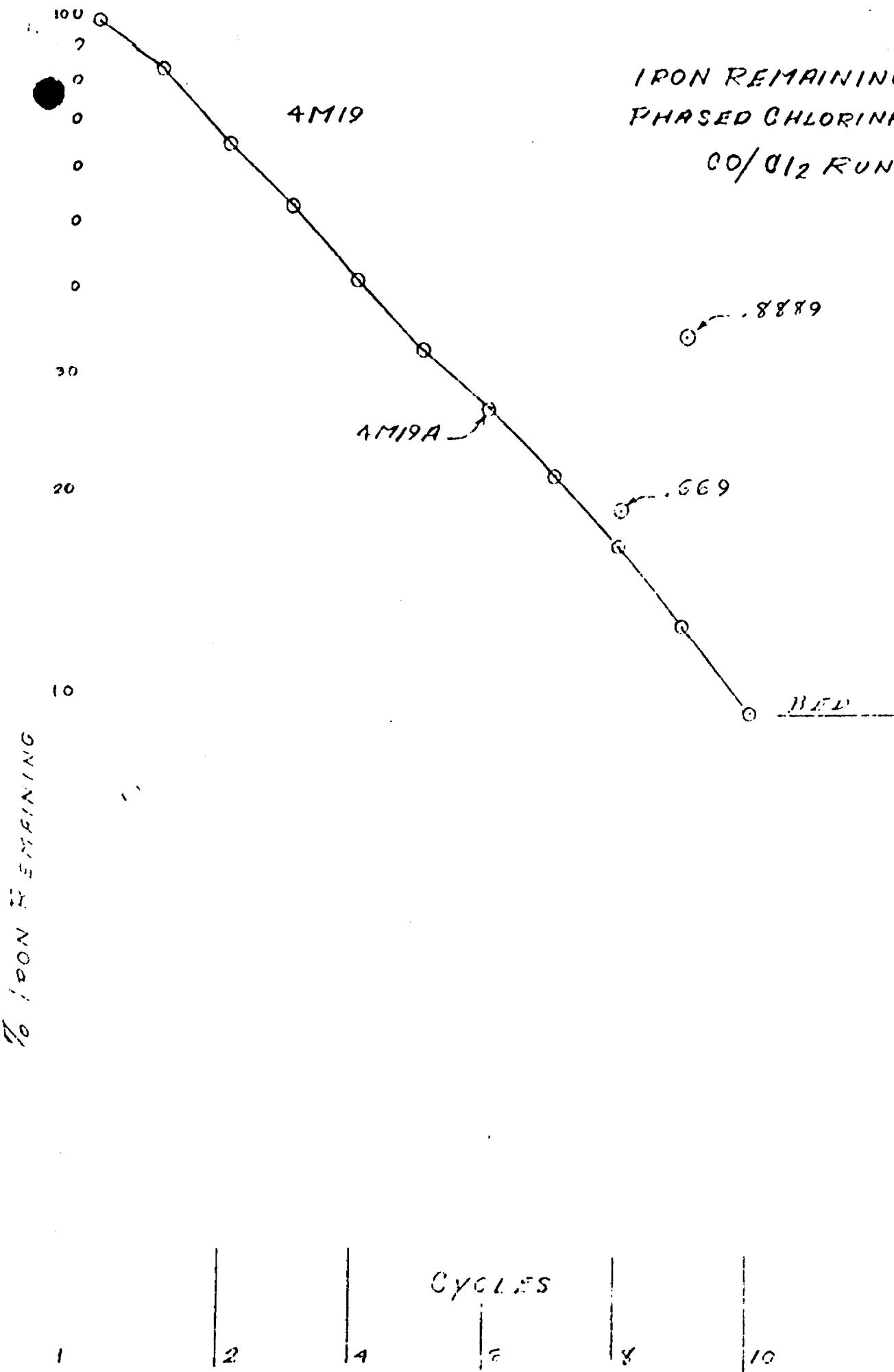


FIG 2

FLUIDIZATION CHARACTERISTICS:

The material sent from Lakefield Research fluidizes well and Table (2) shows bed densities and expansion values for chlorinator design. The "fines" fraction can be cut out of the product in the first cycle and not subjected to further reaction.

The basic problem is to avoid creation of $MgCl_2$ at liquid temperatures. Although "phasing" is used to avoid this, it appears most advantageous that we can have some absorption of Cl_2 (or CO) to react between cycles as it were. Here the coefficient observed falls from .8889 to values as low as .50.

The effect is dramatic, particularly in batch operation. A coefficient of .86 gives 75% iron removal in nine cycles, a coefficient of .60 yields 99% iron removal. For continuous flow nine cycles would yield about 50% and fifteen cycles 75%.

Figure (3) shows the effect of continuous one stage operation, for 8/9 this iron remaining per cycle and three other curves .86, .80 and .60.

The straight lines are what would be achieved by batch operation at .86, .8 and .6 coefficient values. Table (1) shows reactor conditions and bed gas velocities.

TABLE 2
EFFECT OF CALCINATION TEMPERATURE
ON Poured AND TAPPED DENSITIES

TEMPERATURE °C	POURED DENSITY lbs/ft ³	TAPPED DENSITY lbs/ft ³
700° (4M24)	52.0	59.13
717° (4M23)	52.2	56.7
1000° (4M16)	81.4	96.9
1100° (Feed Calcine)	70.9	93.3

Bed Expansion:

Raw Materials 38% of Dumped Depth

Chlorinated Bed
4M16 46.7%

REACTOR GEOMETRY:

The bed average concentration can be calculated assuming there is a particle representing each cycle the sum of which divided by the number of cycles is the average concentration. Figure (3) shows this for various "chlorination coefficients". The curves fall but round off as the number of low iron containing particles are overwhelmed by the high iron particle entering.

Comparing with a batch reactor, as shown, the semi-log plot is a straight line. One faces the decision of batch vs multiple reactors and the transfer of material from one reactor to the other.

The pilot plant should test both approaches and be the basis for a decision between these two modes of operation. Given the possible sticking situation, the first guess would apt for a batch approach using two reactors in parallel cycling alternately.

The "coefficient" will determine the cycle time but the data indicate that reasonable throughput would allow two 9' diameter reactors for a 49,000 T/A plant in batch operation.

Several variables are available for adjusting gas flow to the declining Fe concentration i.e. chlorine concentration, gas velocity, and temperature (using as reduced iron orders reacted with Cl_2 and CO reacts with ferric iron oxide).

So the pilot plant with the information obtained from narrowing in on specific reaction conditions will provide a basis for a decision as to which reactor geometry and operating mode i.e. batch or containers should be built.

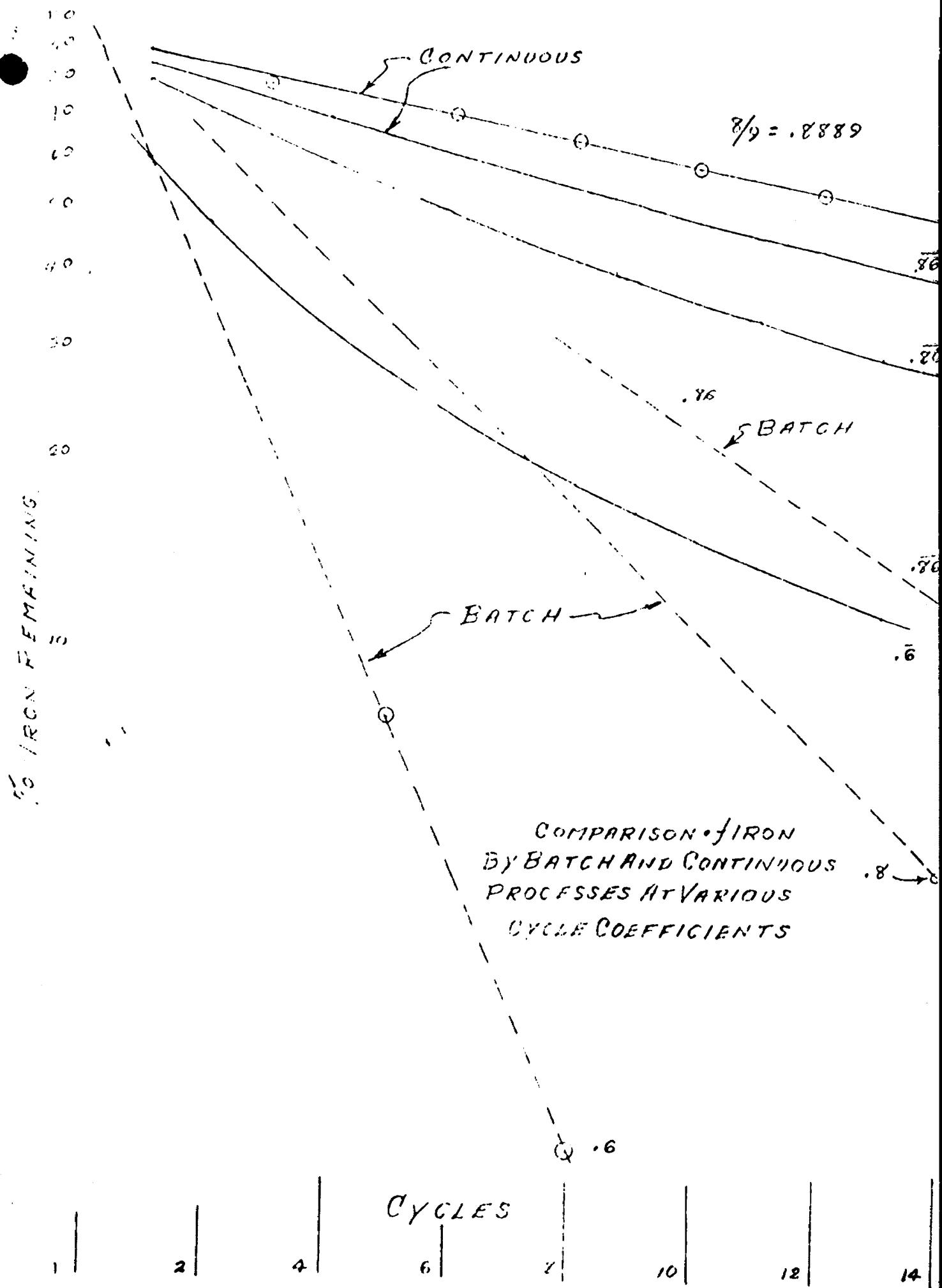


FIG 3

FLOWSCHEET:

A batch chlorination flowsheet is shown. Here the entire chlorinator content is dropped into a receiver located below. Feed is from the top "Hot Calcine Bin".

Two reactors in parallel are envisioned with feeds switching between the two. For adjusting to changing iron content the flows are computer controlled and varying cycle by cycle.

The flues are single pipes water cooled, the cyclone operating at a temperature above the FeCl_3 condensation temperature. Valves control flows switching Cl_2 , CO , N_2 , but the FeCl_3 condenser operates through both cycles since the FeCl_3 comes over even after the Cl_2 flow is switched off.

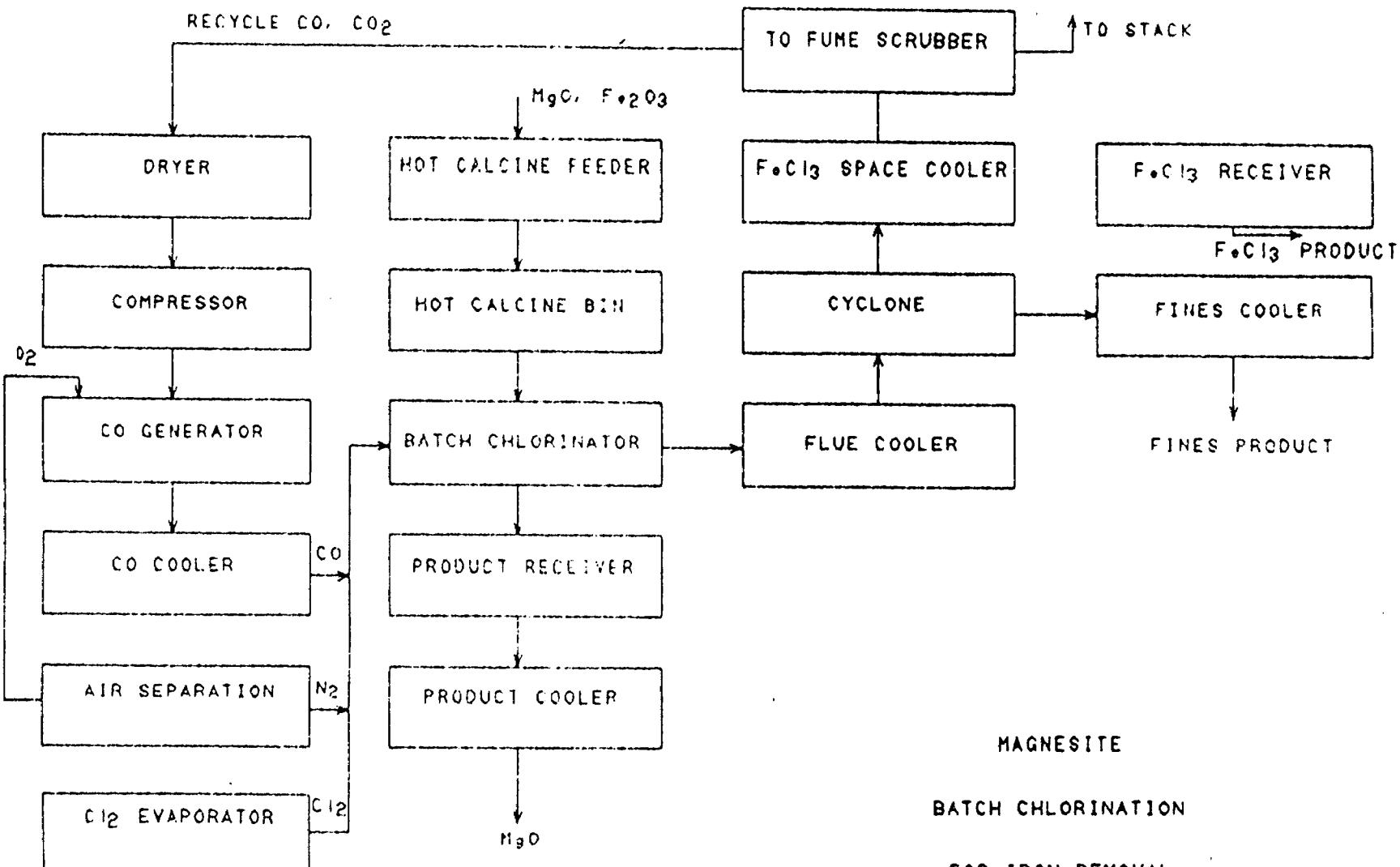


FIGURE 4

NOTES:

To avoid the liquid magnesium chloride sticking problem while operating in the temperature range below 850°C and to avoid the use of carbon to reduce the iron to ferrous chloride, "phased" operation has been proposed.

Thermochemical data suggests that in a phased reactor operation, i.e. reduction by carbon monoxide followed by a chlorine feed to chlorinate and separating the two flows by an inert purge of necessary, only 1/9th of the iron would be removed per cycle. The coefficient would be .8889 or 88.89% iron remaining.

Although this could be adequate with many cycles with batch operating we find much better coefficient values. However, at the lower temperatures the coefficient increases as the temperature falls, becoming negligible at 660°C in the solid region MgCl₂. Hence, operation near but below 850°C appears to be the most desirable.

The coefficient lower than expected is probably due to a direct chlorination where CO and Cl₂ are together despite the "phasing" of the two flows. This can come about by absorption or chemisorption of one or the other gases.

Velocities sufficient to bring enough gaseous reactants to conduct the reaction should be further investigated at the bench scale so as to accurately define reaction rate vs temperature for the prototype plant design.

No decision is necessary now between batch and continuous process design. The prototype plant can test both with little change in the chlorinator.

The first (Phase I) inquiry as to whether the iron could be accessed by the chlorine and to what degree has been answered. Apparently the iron can be removed to any level desired. Nickel appears to come out at low temperature even though well below the NiCl_2 sublimation point. Perhaps we are dealing with a nickel carbonyl.



090

IRON REMOVAL
FROM
CALCINED MAGNESITE
BY
HIGH TEMPERATURE CHLORINATION

Appraisal of the Dunn Phase II

Bench Pilot Studies

March 20, 1991

Robert Elliott, P. Eng.

SUMMARY

In July of 1990 Magnesium Refractories gave Dr. Wendell E. Dunn Jr. of Rapid City, South Dakota, an assignment to do thermodynamic studies to evaluate the potential of removing iron from the crystal lattice of the magnesite ($MgCO_3$) crystals found in their Timmins, Ontario magnesite deposit. In order to make a higher priced magnesia (MgO) product, applicable to a broad range of uses in the industrial world, it was necessary to find a low cost process to remove the iron. Dr. Dunn has many years of experience in the chlorine roast process to remove iron from ilmenite and the objective was to use his extensive experience, applying a similar process to remove iron from the magnesite crystal.

Dr. Dunn's study confirmed the technical viability of the process for iron removal from the magnesite crystal and in October, 1990, Dr. Dunn was given the assignment to develop the operating parameters on a bench scale pilot basis for iron removal from the magnesite crystal using a chlorine roast process.

The work has continued through until the present time with numerous tests being run at varying temperatures with varying additions of CO and Cl_2 , on a continuous and on an intermittent basis. These tests have confirmed that the process does remove the iron to as low as 0.28% Fe. Operating costs for a commercial operation on iron removal have been estimated at CDN\$0.08 to \$0.10 per tonne of $FeCl_3$. The market price of ferric chloride is \$0.40 to \$0.50 per pound which suggests a very significant profit from the iron removal operation.

It is concluded that the chlorine roast process will remove the iron to very low levels and that the iron removal process will show a profit. The low iron product will be suitable for a wide range of magnesia markets not available to the high iron product.

The project is now ready for a prototype plant operation to provide product for evaluation in the market place. The design of the commercial plant will also benefit from the experience gained from the prototype operation.

CONCLUSIONS

1. A commercially practical method of removing iron from the Deloro calcined MgO has been developed using an alternating Cl_2/CO treatment in a fluidized bed reactor.
2. Iron removal of up to 98% has been achieved after 18 cycles, with 86% magnesia product recovery.
3. Ferric chloride is recovered as a byproduct of the reaction and in its anhydrous form is a valuable product that may pay the cost of the iron removal and provide significant profit.
4. A prototype plant should be designed and built to provide market samples of low iron MgO and FeCl_3 and provide the design transition to the commercial plant.

BACKGROUND

Concentrate prepared from the Deloro Magnesite deposit contains about 3% iron oxide which replaces MgO in the carbonate lattice and cannot be removed by physical means. Market studies indicate that a lower iron content is preferred by some consumers and efforts have previously been made to find a cost effective method of reducing or removing the iron content of the magnesia.

Dr. Wendell E. Dunn Jr., Rapid City, South Dakota, has been conducting research and development on chlorine processes for many years. He has developed procedures for removal of iron from ilmenite and has written numerous papers and has secured patents on this approach. He was a research supervisor with DuPont for many years and spent several years in Australia with Chlorine Technology Ltd. Dr. Dunn has recently designed and constructed a complete plant for the beneficiation of ilmenite by chlorination for a company in Madras, India which will be started in 1991. He has also developed and implemented chlorination process schemes for use in gold refining and tantalum purification.

Dr. Dunn was retained by Magnesium Refractories Ltd. ("MRL") in 1990 to make an initial study (Phase I) to determine whether reaction kinetics were favourable for iron separation and removal from magnesia by chlorine treatment. His study of the various free energy and other thermodynamic mechanisms indicated that iron removal by this method was possible. Accordingly, Dr. Dunn was given a further assignment by MRL to carry out laboratory bench pilot work (Phase II) to confirm the key process assumptions that were made in the Phase I study. These process assumptions were:

- the chlorine has access to the iron oxides in the magnesia resulting in a magnesia product with low residual iron levels due to formation of volatile ferric chloride;
- side reactions with magnesia can be controlled to low levels that do not affect reactor fluidization or product recovery;
- chlorination temperatures of about 850°C are needed for reasonable reaction rates.

A review of process factors suggested two approaches to process operation for the Phase II bench pilot work. The first uses continuous addition of both carbon monoxide and chlorine to the reactor. Since magnesium chloride can form, this method is limited to temperatures below its melting point of 710°C to prevent defluidization of the reactor. Tests at $550\text{--}700^{\circ}\text{C}$ showed low rates of iron removal. The second approach allows high temperature operation by alternate addition of carbon monoxide and chlorine to the bed in a series of cycles. The thermodynamics of this system prevent significant magnesium chloride formation.

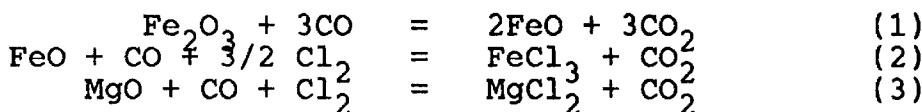
The attached working Draft of Dr. Dunn's report on Phase II has been thoroughly reviewed by the writer. The bench pilot work, while in progress, was visited by the writer together with Stephen Dunn, P.Eng. the senior process engineer with Hatch Associates, Toronto, who is assigned to this project.

PROCESS CONSIDERATIONS

The process developed by Dunn for MRL involves the addition of chlorine and a reductant (CO) to a fluidized bed of calcined magnesia. The objective is to react these gases selectively with the iron oxide to remove it from the magnesia as gaseous ferric or ferrous chloride, depending on the amount of chlorine added. While less favourable than the reactions with iron, reaction of the gases with magnesia to form magnesium chloride is also thermodynamically feasible. A high iron selectivity, with minimal chlorination of magnesia, must be achieved for the process to be practical.

Magnesium chloride exists as a liquid between its melting point of 710°C and its boiling point of 1415°C with increasingly rapid rates of vapourization toward the high end of the range. The presence of liquid magnesium chloride in the fluidized bed chlorinator is undesirable since it will cause the solid particles to stick together leading to defluidization of the bed. Therefore, the process must operate either at temperatures outside this range or under conditions that minimize the potential for magnesium chloride formation.

The simplest method of operating the process is with the continuous addition of both chlorine and the carbon monoxide reductant to the fluidized bed reactor. The main process reactions would be:



All three reactions are thermodynamically favourable with large negative free energies of reaction indicating that the equilibrium compositions will be to the right of each equation. The iron chlorination reaction will be more favoured since it has the more negative free energy of reaction and is known to have more rapid reaction kinetics. Some magnesium chloride will, however, form where chlorine and the reductant are present at the magnesia surface. The magnesium chloride that does form will partially vapourize and can react back to magnesia by:

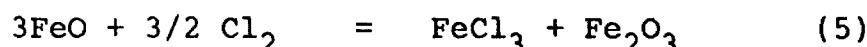


This reaction is thermodynamically favourable which will minimize the amount of magnesium chloride produced by the fluidized bed reactor.

Since magnesium chloride will form when the fluidized bed is operated with continuous addition of both chlorine and the reductant, the operating temperature should not exceed 710°C to prevent defluidization of the reaction bed by liquid magnesium chloride. The reaction rates appeared to be slow at 710°C making it desirable to investigate an alternative mode of reactor operation at higher temperatures.

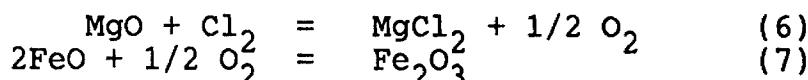
Wendell Dunn has successfully concluded the Phase II bench pilot research using a technique where the chlorine and carbon monoxide gases are added separately in a sequence of alternate cycles at temperatures between 800°C and 1000°C.

During addition of carbon monoxide gas, ferric oxide would be reduced to ferrous oxide by Reaction (1) which is thermodynamically favourable. When chlorine is subsequently added, the iron would react to form volatile ferric chloride.



This direct reaction is thermodynamically favourable. It is speculated that the oxygen atom removed from the chlorinated iron molecule would be directly transferred within the mineral lattice to form ferric oxide without the formation of intermediate gaseous oxygen. If the iron oxides and magnesia occur in separate

crystal structures within the calcine, the analogous direct chlorination of magnesia cannot occur by oxygen transfer within the mineral lattice. The formation of gaseous oxygen as a reaction intermediate would then be required for direct chlorination of magnesia.



Reaction (6) has a positive free energy of reaction and is, therefore, not thermodynamically favourable. As a result, the direct chlorination of magnesia through intermediate formation of gaseous oxygen should not occur to a significant degree, thus allowing the process to be operated at temperatures greater than 710°C.

Based on these process considerations and the Dunn bench pilot work done in verification, the objectives of the Phase II program have been met successfully. It is clear that there is now a practical technology developed for selective chlorination of magnesia by continuous addition of both chlorine and carbon monoxide at reaction temperatures below 700°C and by separate addition of chlorine and carbon monoxide in alternate cycles at reaction temperatures between 800°C and 1000°C.

CONTINUING WORK

The working Draft of Dr. Wendell Dunn's report on Phase II is appended. When the Report is completed it will provide the design basis for a prototype plant to operate in the 800°C to 1000°C range to process calcined MgO in a fluidized bed for iron removal by alternating the introduction of Cl₂ and CO under computer control. Anhydrous ferric chloride will be recovered as a byproduct of the reaction.

It is suggested that this prototype work proceed in two stages. A 6" continuous reactor should be operated on the bench scale to refine the operating parameters for the prototype plant. The prototype plant should thereby run-in quickly and produce consistent product. This will result in much less magnesite concentrate being required as feed to the prototype plant and in a net cost saving.

The MgO and FeCl₃ products from the prototype plant operation will be used in market assessments. Market interest in a 98.5% MgO calcine is known to be very strong. Anhydrous ferric chloride has a wide range of uses in industry, selling for \$0.40 to \$0.50 per pound.

The prototype plant will benefit greatly from Dr. Dunn's long experience in designing such equipment. Design and operating inputs by Hatch Associates of Toronto will insure that key design parameters are verified so that Hatch's design of the commercial reactor is based on practical operating considerations.



42A06NE0429 63.6084 DELORO

100

MAGNESIUM REFRACTORIES LTD.
PROGRESS REPORT #4
(Period January 1 - February 15, 1991)

Timmins Magnesia Project 361670

During the six week period test work continued on the iron removal bench scale research. It was established that the process to remove iron from the crystal lattice of the magnesite using a chlorine roast is viable. Preliminary cost studies indicate that the process is economic and that the resultant ferric chloride produced from the roast will sell at a price which will pay for the cost of iron removal. Therefore, it appears that no additional operating cost will apply to the product.

Work is continuing on pilot plant design and optimization of conditions in the fluid bed roast operation. The product produced from the bench scale tests is 0.1% Fe₂O₃. This material is being prepared for high temperature firing to produce sample for evaluation by the refractory industry.

Market studies are continuing and several large consumers have indicated their intent to commit to long term contracts, subject to product evaluation to confirm the physical and chemical characteristics that are indicated from the bench scale testing. To provide the sample for industry testing, it will be necessary to proceed to pilot plant production and produce 20-30 tonnes of product.

The report from the research laboratory will be received in a few days, summarizing work to date and this report will be forwarded to the Ministry when received.

CHARGES FOR JANUARY - FEBRUARY, 1991

Thomas & Wendell Dunn	-	\$64,485.45
Thomas & Wendell Dunn	-	14,058.50
Log II Systems Inc.	-	1,050.00
Lakefield Research	-	1,748.00
Pilar International	-	2,996.00
Lakefield Research	-	109.14
Pilar International	-	1,801.90
Lakefield Research	-	279.30
Goodfellow Consultants	-	1,000.09
Goodfellow Consultants	-	2,226.95

		\$89,755.33
Time for Professional Engineers (see time sheets attached)		15,300.00

		\$105,055.33

Claim 4



42A06NE0429 63.6084 DELORO

900



Canadian Imperial
Bank of Commerce
Banque Canadienne
Impériale de Commerce

1-67
210

452 0925

00002 MAIN BRANCH COMMERCE COURT

TORONTO ONT

TRANSIT NO. / N° D'IDENTIFICATION

BRANCH / SUCCURSALE

FEB 15/91

DATE

*****12,000.00***
USDAMOUNT IN FIGURES
MONTANT EN CHIFFRES

DELORO MAGNESITE VENTURE FUND

NAME OF REMITTER / DONNEUR D'ORDRE

PAY TO THE
ORDER OF
PAYEZ A
L'ORDRE DE

THOMAS & WENDELL DUNN, INC.*****

UNITED STATES DOLLARS
DOLLARS DES ÉTATS-UNIS
FOR CANADIAN IMPERIAL BANK OF COMMERCE
POUR LA BANQUE CANADIENNE IMPÉRIALE DE COMMERCE

AUTH NO/AUTOR N°
T12792 mo 31.
Signature

COUNTERSIGNED / CONTRESEING

650 BIL-86/12 OL

TO
TIRÉ
IRVING TRUST COMPANY
ONE WALL STREET
NEW YORK, N.Y. 10015

#4520925# 021000678# 802 3007100#

650

CHARGE TO CUSTOMER/COMPUTER AU CLIENT	
RATE / COURS	1.171
EQUIV. CAN. \$ CONTRE-VALEUR EN \$ CAN.	14,052.00
HANDLING CHARGES/ COMMISSION DE MANIPULATION	6.50
TOTAL COST/ COÛT TOTAL	14,058.50

VOIR "AVIS À L'ACHETEUR" AU VERSO

NOT FOR
TRANSMISSION
BY TELETYPEDETACH HERE
DÉTACHER ICI

FORM 16142 (7-68)



THE ROYAL BANK
OF CANADA

24123417-142

50-937
213

TORONTO, ONT. February 15, 1991

PAY TO THE ORDER OF Thomas & Wendy Dunn, Inc. USD 55,500.00

EXACTLY 03912 USD 55500.00

U.S. DOLLARS

RE Magnesium Refractories Ltd.
TO THE CHASE MANHATTAN BANK
SYRACUSE, NEW YORK

PREPARED BY	VERIFIED BY
-------------	-------------

[Handwritten signatures]

USD AMOUNT
RATE
CAD EQUIV
CHARGES - CAD
TOTAL - CAD

55,500.00
@ 1.1619
64,485.45
<hr/>
64,485.45

** 24123417 ** 0213093790 601 2 53008 **

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0357

January 7 19 91

PAY TO THE
ORDER OF Log II Systems Inc. ----- \$ *1,050.00*

SUM OF R58N9478.1050 DOLS 00 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND

Re: Inv 73001, 73002



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

A handwritten signature is written over a horizontal line, which is part of a larger signature block.

000035? 0000020101 30 51919



LOG II
SYSTEMS INC.

Dec 31, 1990

Box 576
36 Adelaide St. East
Toronto, Ontario
Canada M5C 2J6
(416) 865-9718

Magnesium Refractories Ltd.
Suite 3310
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

Attention - Mr. Gary Last

Invoice #73001

Re: Cash Flow for the Timmins Project

Consulting services

0.9 Days @ \$500.00/Day

450.00

Total Invoice

\$450.00

=====

A handwritten signature in black ink that appears to read "Gordon D. Watts".

Gordon D. Watts



Dec 31, 1990

LOG II
SYSTEMS INC.

Box 576
36 Adelaide St. East
Toronto, Ontario
Canada M5C 2J6
(416) 865-9718

Magnesium Refractories Ltd.
Suite 3310
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

Attention - Mr. Gary Last

Invoice #73002

Re: Cash Flows

Consulting services

1.2 Days @ \$500.00/Day

600.00

Total Invoice \$600.00
=====

Gordon Watts

Gordon D. Watts

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0360

January 11 19 91

PAY TO THE ----- Lakefield Research ----- \$ *1,748.00*

ORDER OF REGISTERED 1748 DOL\$00 CTS /100 DOLLARS

SUM OF

DELORO MAGNESITE VENTURE FUND

Re: Inv 31635

PER



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

0000360 00002010 30 51919

INVOICE



A DIVISION OF FALCONBRIDGE LIMITED

P.O. Box 430, 185 Concession St., Lakefield, Ontario K0L 2H0
 Phone: (705) 652-3341 Telex No. 06 962842
 Fax No. (705) 652-6365

No.: 31635

DATE

November 18 90

19

TO: MAGNESIUM REFRACTORIES
 SUITE 3310
 130 ADELAIDE STREET, WEST
 TORONTO, ONTARIO M5H 3P5
 ATTN :MR. J. BATES

SENT TO:

Our Project L.R. 3778 - : Charges for October			
RE: MGO, TALC - PILOT PLANT UNDER DIR. B. ELLIOT			
TO Shipping Charges:			
16.00	hours at \$ 55.00	880.00	
10.00	hours at \$ 65.00	650.00	
2.00	hours at \$ 75.00	150.00	1,680.00
TO Analytical Charges:			
1 B	@ \$ 15.00	15.00	
1 FE	@ \$ 12.00	12.00	
1 NI	@ \$ 11.00	11.00	
2 SiO2	@ \$ 15.00	30.00	68.00
		\$	1,748.00
		=====	
<i>H. Morris Taylor</i>			
<i>J. Bates</i>			
<i>G. G. G.</i>			

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0371

January 22 19 91

PAY TO THE
ORDER OF Gary J. Last *\$13,000.00*

SUM OF REGISTERED I 3000 DOLLS 00 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

A handwritten signature in black ink, appearing to read "Gary J. Last", is placed over the signature line and extends upwards towards the date.

"0000371" "00002010" "30" "51919"

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0370

January 22 19 91

PAY TO THE
ORDER OF James A. Bates *\$13,000.00*

SUM OF R36N94787 I 3000 DOLS 00 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

A handwritten signature in black ink, appearing to read "James A. Bates". It is positioned above a horizontal line that ends with a flourish.

0000370 000002010 30 51919

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0364

January 11 1991

PAY TO THE
ORDER OF Pilar International Travel Inc. ----- \$ *1,580.00*

SUM OF R38N94781580 DOL\$00CTS /100 DOLLARS

Re: Inv 06735

DELORO MAGNESITE VENTURE FUND



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

00003640 0000020101 30 51919

Pilar International Travel Inc.

101 SCOLLARD STREET, TORONTO, ONTARIO M5R 1G4
TELEX: 065-28191 (416) 960-3800

No. 06735

In account with:

Fraser River Placer
130 Adelaide Street West
Suite 3310
Toronto, Ontario
M5H 3P5

2103

date: 19 October 1990

terms: 7 days

arrangements:

Re: Air transportation provided for:

Mr. James Bates

Toronto - Vancouver - Toronto
Air Canada
Business Class
22 - 23 October 1990

Air Fare \$1,530.00
CAD Tax 50.00

TOTAL AMOUNT DUE \$1,580.00

1/13/90 J. Bates
1/14/90 J. Bates
1/15/90 J. Bates
1/16/90 J. Bates
1/17/90 J. Bates
1/18/90 J. Bates
1/19/90 J. Bates

Thank you for calling
Pilar International Travel Inc.

paid...

TERMS NET CASH 2½% SERVICE CHARGE ON OVERDUE ACCOUNT

THIS IS YOUR INVOICE — PLEASE REFER TO INVOICE NUMBER AND CONSULTANT ON ALL CORRESPONDENCE.

Hawkhead Farms Inc.



February 7, 1991

Gary J. Last
Magnesium Refractories Ltd.
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

INVOICE

Time for January 1991 as per attached time sheet

Aldermines Corporation	5 days
Magnesium Refractories Ltd.	2 days
Total	7 days

Invoice as per agreement	
8 days @ \$350.00 =	\$2,800.00
7% GST	196.00
TOTAL AMOUNT OF THIS INVOICE	\$2,996.00

Total accumulated time owing - 34 days

R. A. Elliott

RAE/rb

INVOICE



A DIVISION OF FALCONBRIDGE LIMITED
 P.O. Box 430, 185 Concession St., Lakefield, Ontario K0L 2H0
 Phone: (705) 652-3341 Telex No. 06 962842
 Fax No. (705) 652-6365

No.: C 04635

DATE February 7, 1991

SENT TO:

Magnesium Refractories Ltd.
 Suite 3310, 130 Adelaide St., W
 Toronto, ON

Our Certificate Of Analysis Number(s): 11879

Our Reference Number: 9136052

Number of Samples:

GST Registration # R.101733426

Analytical Cost

Qty.	Symbol	Element	Unit Price	Assay Cost
1	Mgo	2-Magnesium	\$15.00	\$15.00
1	Fe2O3	2-Iron	\$12.00	\$12.00
1	Ni	2-Nickel	\$11.00	\$11.00
1	B2O3	2-Boron	\$15.00	\$15.00
1	CaO	2-Calcium	\$15.00	\$15.00
1	Al2O3	2-Alumina	\$15.00	\$15.00
1	SiO2	2-Silica	\$15.00	\$15.00
Additional Costs.				\$98.00
Sample Preparation:	\$4.00			
Pulverizing:				
Long Dist.Phone:				
Telex:			% Discount	\$0.00
Faximile:			Net Cost	\$98.00
Courier/Spec.Del.:				\$98.00
Freight:			Extras	\$4.00
Custom/Broker:				\$102.00
Storage:				
hrs:@ :				
Extras	\$4.00			
Advance Payment :				
	GST @ 7 %			7.14
		Invoice Amount		\$109.14

PLEASE PAY BY INVOICE — Terms: Net 30 days. 2% service charge per month on overdue accounts

Pilar International Travel Inc.

101 SCOLLARD STREET, TORONTO, ONTARIO M5R 1G4
TELEX: 065-28191 (416) 960-3800

In account with:

Magnesium Refactories
130 Adelaide Street West,
Suite # 3310
Toronto, Ontario.

2103

No. 07117

GST/R104199385

date: Jan 25/91.

terms: 7 days.

arrangements:

re: Air transportation provided for;
Mr. R. Elliott & Mr. S. Dunn.
Toronto-Rapid City-Toronto.
Economy class.
Jan 28-30/91.
United Airlines.

Air fare 2x 790.00	1580.	00
CADTAX 2 x 40.00	80.	00
GST 2 x 58.10	116.	20
USTAX 2 x 7.00	14.	00
US Imm tax 2x 5.85	11.	70

Total amount due..... 1,801. 90

paid... / / / / /

Thank you for calling
Pilar International Travel Inc.

TERMS NET CASH 2½% SERVICE CHARGE ON OVERDUE ACCOUNT

THIS IS YOUR INVOICE — PLEASE REFER TO INVOICE NUMBER AND CONSULTANT ON ALL CORRESPONDENCE.

INVOICE



A DIVISION OF FALCONBRIDGE LIMITED

P.O. Box 430, 185 Concession St., Lakefield, Ontario K0L 2H0
Phone: (705) 652-3341

Telex No. 06 962842

Fax No. (705) 652-6365

No.: 31985

DATE January 11 19 91

TO:

MAGNESIUM REFRACTORIES
SUITE 3310
130 ADELAIDE STREET, WEST
TORONTO, ONTARIO M5H 3P5
Attn: MR. J. BATES

SENT TO:

Our Project L.R. 3778 - : Charges for December RE: MGO, TALC - PILOT PLANT UNDER DIR. B. ELLIOT TO Miscellaneous Charges:			
FEDERAL EXPRESS		279.30	279.30
		\$	279.30



**GOODFELLOW
CONSULTANTS
INC.**

Environmental/Occupational Health

JAN 8 1991

2000 Argentia Road, Plaza III, Suite 301
Mississauga, Ontario L5N 1V9 Canada
(416) 858-4424
Telex 06 218242 • Fax 416 858 4426

INVOICE

TO: MAGNESIUM REFRactories LTD.
130 ADELAIDE STREET WEST, SUITE 3310
TORONTO, ONTARIO
M5H 3P5

DATE: DECEMBER 28, 1990
INVOICE NO. 002/1331
PROJECT NO. 6030
PERIOD COVERED: DEC 1 TO 28/90

ATTENTION: MR. GARY J. LAST

PURCHASE ORDER #

* TERMS: PAYABLE UPON RECEIPT *

PROJECT 6030 : ENVIRONMENTAL SYSTEMS CONSULTING

PROFESSIONAL SERVICES RENDERED:

C. DE ALMEIDA	2.5 hr @	\$58 /hr	\$145.00
S. CARVALHO	15.0 hr @	\$53 /hr	\$795.00

			\$940.00

DISBURSEMENT (PER ATTACHMENT):

COURIER SERVICES	\$13.00
DIALOG INFORMATION SERVICES	\$38.22
LONG DISTANCE TELEPHONE	\$2.71
PHOTO-COPYING	\$0.70

	\$54.63

ADMINISTRATION CHARGE (10% OF TOTAL DISBURSEMENT):

\$5.46

TOTAL THIS INVOICE:

\$1,000.09
=====

PROGRESS BILLING



GOODFELLOW
CONSULTANTS
INC.

Environmental/Occupational Health

2000 Argentia Road, Plaza III, Suite 301
Mississauga, Ontario L5N 1V9 Canada
(416) 858-4424
Telex 06 218242 • Fax 416 858 4426

INVOICE

TO: MAGNESIUM REFRACTORIES LTD.
130 ADELAIDE STREET WEST, SUITE 3310
TORONTO, ONTARIO
M5H 3PS

DATE: NOVEMBER 30, 1990
INVOICE NO. 001/1290
PROJECT NO. 6030
PERIOD COVERED: AUG 27 TO NOV 30/90

ATTENTION: MR. GARY J. LAST

PURCHASE ORDER #

* TERMS: PAYABLE UPON RECEIPT *

PROJECT 6030 : ENVIRONMENTAL SYSTEMS CONSULTING

PROFESSIONAL SERVICES RENDERED:

H. GOODFELLOW	11.5 hr @ \$110 /hr	\$1,265.00
C. DE ALMEIDA	13.0 hr @ \$58 /hr	\$754.00
S. CARVALHO	3.0 hr @ \$53 /hr	\$159.00

		\$2,178.00

DISBURSEMENT (PER ATTACHMENT):

PHOTO-COPYING	25 cp @ \$0.10 /cp	\$2.50
FAX	21 cp @ \$2.00 /cp	\$42.00

		\$44.50

ADMINISTRATION CHARGE (10% OF TOTAL DISBURSEMENT):

\$4.45

TOTAL THIS INVOICE:

\$2,226.95

=====

PROGRESS BILLING

TIMESHEET

NAME: LAST

MONTH: JAN/91

DATE	PROJECT	HOURS	DAY TOTAL
1/2	off.		
3.	MAGR. 2 hr + 3 hr = 5 S=2	7	7
4,5,6	off.		
7	MAG. 4 S-4 Admin 1		9
8	MAGS S-2		7
9	Gord 4. S-1 Mag. 2		7
10	Admin 3 Mag 3 other 2		8
11	MAG. 3 Gord 2 Admin 2		7
14	Maglef 5. Sulfur 5		10
15	Admin 4. Sulfur 4		8
16	Sulfur 5 Admin 2		7
17	Maglef 4 Sulfur 4		8
18	Mag 3 Admin 5.		8
21	Mag 7 S-1 Admin 1		9
22	Sulfur 7 Admin 1		8
23	Sulfur 2 Admin 3 Mag 2		7
24	Sulfur 4 Mag 4		8
25	MAG REF 7		7
28	Admin 4 Mag 4		8
29	Admin 2 MAG 1. S-6		9
30	Mag 4 S. 4		8
31	off.		

LASTCORP INVESTMENTS LTD.
TIMESHEET

NAME: James A. Bates

MONTH: JANUARY / 91

DATE	PROJECT	HOURS	DAY TOTAL
1	- Holiday	—	—
3	Magnesium Refactories	8	8
3	Magnesium Refactories	8	8
4	Magnesium Refactories	8	8
5 & 6	Saturday & Sunday	—	—
7	Magnesium Refactories	5	
	Susana Sulphur	3	8
8	Magnesium Refactories	6	
	General Admin.	2	8
9	Magnesium Refactories	8	8
10	Magnesium Refactories	6	
	Susana Sulphur	2	8
11	Magnesium Refactories	6	
	General Admin	2	8
12 & 13	Sat & Sunday	—	—
14	Magnesium Refactories	5	
	Susana Sulphur	3	8
15	Magnesium Refactories	4	
	Susana Sulphur	4	8
16	Magnesium Refactories	5	
	Susana Sulphur	3	8
17	Susana Sulphur - (Travel)	8	8

James A. Bates

LASTCORP INVESTMENTS LTD.

NAME: James A. Bates

MONTH: January / 91

James C. Bates

LASTCORP INVESTMENTS LTD.
TIMESHEET

NAME: James A. Bates

MONTH: February / 91

88

2.32 +
0.49 +
0.61 +
0.61 +
1.14 +
1.71 +
0.55 +
0.61 +
0.57 +
0.61 +
1.10 +
2.85 +
7.32 +
0.53 +
0.53 +
0.51 +
0.55 +
16.20 +
0.56 +
1.12 +
0.55 +

183.14+T

0.C

183.14 x
19. %
34.80 +

0.C

183.14 +
34.80 +
212.94+T

Phone

ACCOUNT NUMBER	DATE	AMOUNT DUE	AMOUNT PAID
416 865 9300	1990 12 07	1570.07	
822 0107 4	45	140	6865 9300 82204 016

— PLEASE DETACH AND
RETURN - DO NOT STAPLE

45
LASTCORP INVESTMENTS LTD F
S 3310 3
130 ADELAIDE W
TORONTO ONTARIO
MSH 3P5

065654593006320008220901207010744000000001570078

* * * DETACH HERE * * *

INQUIRIES: BILLING - 321-5468
ORDERS - 599-8161

PAGE	ACCOUNT NUMBER	1990 12 07
1	416 865 9300	6865 9300 82204 016
	LASTCORP INVESTMENTS LTD	

* * * ACCOUNT SUMMARY * * *

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - FED.	27.53
TAX - PROV.	42.10
CHARGEABLE MESSAGES	813.72
TAX - FED.	89.31
TAX - PROV.	71.71
DIRECTORY ADVERTISING	161.02
	20.00
TOTAL CURRENT CHARGES	1570.07

= AMOUNT DUE

1570.07

PLEASE PAY THIS AMOUNT UPON RECEIPT.
THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY (23.16% PER ANNUM)

* * * CHARGEABLE MESSAGES * * *

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1107	EDMONTON	AB 403 488 5047	1405	1	8	.57	Z	.57
2	1107	TORONTO	ON 416 865 9300	1405	6	3			4.55
		FROM ALEX	VA &						
3	1107	EDMONTON	AB 403 486 4540	1447	1	8	.57	Z	.57
4	1107	VANCOUVER	BC 604 687 9931	1450	25	8	14.25	Z	14.25
5	1108	LAKWOOD	CO 303 234 0273	1131	2	8	1.26		1.26
6	1108	HAMILTON	ON 416 527 3071	1551	4	8	1.24	Z	1.24
7	1108	HOPE	BC 604 869 9631	1101	.5	8	2.85	Z	2.85
8	1109	BOCA RATON	FL 407 368 3431	1837	4	7	3.44	.85	2.59
		FROM MALTON	ON &						
9	1109	LAKWOOD	CO 303 231 0280	1050	28	8	17.64		17.64
10	1109	WASHINGTON	DC 202 473 0721	1203	1	8	.55		.55
11	1109	LAKWOOD	CO 303 234 0273	1206	6	8	3.78		3.78
12	1109	VANCOUVER	BC 604 685 8730	1512	14	8	7.98	Z	7.98
13	1109	VANCOUVER	BC 604 687 9931	1535	4	8	2.28	Z	2.28
14	1109	HAMILTON	ON 416 527 3071	1542	14	8	4.34	Z	4.34
15	1109	CHILE	5622238941	1557	3	8	6.86		6.86

Bell

See reverse for more information

1990 12 07

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1109	CHILE	5622316629	1602	15	8	30.38		30.38
2	1109	VANCOUVER BC	604 687 9931	1618	2	8	1.14	Z	1.14
3	1109	BOCA RATON FL	407 368 3431	1117	2	7			2.22
4	1109	FROM MALTON ON &	407 272 0114	1119	3	7			2.83
5	1109	DELRAY BCH FL	303 234 0273	1128	3	8	1.89	X	1.89
6	1110	LAKWOOD CO	403 271 9119	1117	12	7		X	5.86
		FROM BOCA R FL							
7	1112	LAKWOOD CO	303 234 0273	0919	5	8	3.15	Z	3.15
8	1112	BRIGHTON ON	613 475 1033	0924	10	8	3.70	Z	3.70
9	1112	NEW YORK NY	212 818 9010	1053	22	8	11.44		11.44
10	1112	RAPID CITY SD	605 342 8731	1125	1	8	.61		.61
11	1112	NEW YORK NY	212 818 9010	1147	20	8	10.40		10.40
12	1112	FLS CHURCH VA	703 941 6919	1300	2	8	1.10	Z	1.10
13	1112	VANCOUVER BC	604 685 8730	1433	4	8	2.28	Z	2.28
14	1112	SCOTTSDALE AZ	602 948 2100	1438	13	8	8.19	Z	8.19
15	1112	MONTREAL PQ	514 844 3017	1526	1	8	.39	Z	.39
16	1112	VANCOUVER BC	604 685 8730	1640	1	8	.57	Z	.57
17	1112	VANCOUVER BC	604 685 8730	1642	8	8	4.56	Z	4.56
18	1112	FLS CHURCH VA	703 941 6919	1649	2	8	1.10	Z	1.10
19	1112	LONDON ON	519 471 5462	1109	8	8	2.96	Z	2.96
20	1112	FLS CHURCH VA	703 941 6919	1119	1	8	.55	Z	.55
21	1112	CHATHAM ON	519 436 0872	1124	3	8	1.14	Z	1.14
22	1112	LIVONIA MI	313 261 2566	1126	1	8	.47		.47
23	1112	NEW YORK NY	212 708 9888	1409	6	8	3.12		3.12
24	1113	HOPE BC	604 869 9631	1147	3	8	1.71	Z	1.71
25	1113	FTSASKAHWN AB	403 992 5106	1344	2	8	1.14	Z	1.14
26	1113	NEW YORK NY	212 490 1356	1406	2	8	1.04	Z	1.04
27	1113	FTSASKAHWN AB	403 992 5100	1640	1	8	.57	Z	.57
28	1114	NEW YORK NY	212 490 1356	0948	2	8	1.04		1.04
29	1114	FLS CHURCH VA	703 941 6919	1416	1	8	.55		.55
30	1114	BOLIVIA	5912379248	1425	2	8	7.13		7.13
31	1114	NEW YORK NY	212 818 9010	1429	6	8	3.12		3.12
32	1114	VANCOUVER BC	604 685 8730	1449	1	8	.57	Z	.57
33	1114	VANCOUVER BC	604 685 8730	1517	21	8	11.97	Z	11.97
34	1114	HOPE BC	604 869 9631	1538	2	8	1.14	Z	1.14
35	1114	BOLIVIA	5912323343	1603	3	8	9.98		9.98
36	1114	BOLIVIA	5912379248	1606	1	8	4.28		4.28
37	1114	LAKWOOD CO	303 231 0280	1638	6	8	3.78		3.78
38	1114	BOLIVIA	5912323343	1656	11	8	32.78		32.78
39	1114	BOLIVIA	5912379248	1708	1	8	4.28		4.28
40	1114	DRAGONLAKE BC	604 747 3557	0921	19	8	10.83	Z	10.83
41	1114	SCOTTSDALE AZ	602 948 2100	1438	7	8	4.41		4.41
42	1114	BOLIVIA	5912357735	1508	9	8	27.08		27.08
43	1114	CALGARY AB	403 292 0344	1524	4	8	2.28	Z	2.28
44	1114	SPRUCE GRV AB	403 962 2361	1639	3	8	1.71	Z	1.71
45	1115	BOLIVIA	5912379248	1010	11	8	32.78		32.78
46	1115	MONTREAL PQ	514 844 3017	1030	16	8	6.24	Z	6.24
47	1115	CALGARY AB	403 294 4987	1102	4	8	2.28	Z	2.28
48	1115	HOPE BC	604 869 9631	1152	3	8	1.71	Z	1.71
49	1115	CHILE	562498513	1404	1	8	2.94		2.94
50	1115	CHILE	562498513	1407	4	8	8.82		8.82
51	1115	CHILE	562498513	1412	2	8	4.90		4.90
52	1115	CHILE	5622341126	1417	2	8	4.90		4.90
53	1115	BUTTE MT	406 782 4200	1420	2	8	1.26		1.26
54	1115	CONCORD CA	415 682 4105	1459	7	8	4.41	Z	4.41
55	1115	HOPE BC	604 869 9631	1617	1	8	.57		.57
56	1115	FLS CHURCH VA	703 941 6919	1511	1	8	.55		.55
57	1115	FLS CHURCH VA	703 941 6919	1510	1	8	.55		.55
58	1116	CHILE	5622316629	1356	10	8	20.58		20.58
59	1116	S S MARIE ON	705 759 5035	1423	1	8	.39	Z	.39
60	1116	CHILE	5622341126	1458	1	8	2.94		2.94
61	1116	NEW YORK NY	212 818 9010	1106	12	8	6.24		6.24
62	1119	CHILE	5622341126	0928	14	8	28.42		28.42
63	1119	NEW YORK NY	212 818 9010	1057	31	8	16.12		16.12
64	1119	FLS CHURCH VA	703 941 8910	1209	1	8	.55		.55
65	1119	CHILE	5626908000	1248	2	8	4.90		4.90
66	1119	CHILE	5626908000	1356	6	8	12.74		12.74
67	1119	LAKWOOD CO	303 234 0273	1446	1	8	.63		.63

Bell

See reverse for more information

PAGE ACCOUNT NUMBER
3 416 865 9300

1990 12 07

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1119	DELRAY BCH	FL 407 276 0324	1517	3	8	1.83		1.83
2	1119	CALGARY	AB 403 243 9638	1526	1	8	.57	Z .57	
3	1119	HAMILTON	ON 416 527 3071	1532	4	8	1.24	Z 1.24	
4	1119	RAPID CITY	SD 605 342 8731	1316	1	8	.61		.61—
5	1120	NEW YORK	NY 212 559 1013	1040	1	8	.52		.52—
6	1120	NEW YORK	NY 212 559 1013	1041	3	8	1.56		1.56—
7	1120	QUESNEL	BC 604 992 8341	1406	10	8	5.70	Z 5.70	
8	1120	CHILE	5622743583	1432	3	8	6.86		6.86
9	1121	CHILE	5622743583	1014	13	8	26.46		26.46
10	1121	S S MARIE	ON 705 759 5035	1131	4	8	1.56	Z 1.56	
11	1121	CONROE	TX 409 756 4471	1135	7	8	4.41		4.41—
12	1121	VANCOUVER	BC 604 687 9931	1358	1	8	.57	Z .57	
13	1121	CHARLOTTE	NC 704 332 8171	1501	2	8	1.14		1.14—
14	1121	SUDBURY	ON 705 670 7379	1618	1	8	.38	Z .38	
15	1121	CHILE	5622319120	1513	8	8	16.66		16.66
16	1121	CALGARY	AB 403 298 3623	1428	1	8	.57	Z .57	
17	1121	LAKEWOOD	CO 303 237 9868	1119	1	8	.63		.63—
18	1121	LAKEWOOD	CO 303 234 0273	1120	8	8	5.04		5.04—
19	1122	LONDON	ON 519 471 5462	1320	3	8	1.11	Z 1.11	
20	1122	TIMMINS	ON 705 267 1401	1344	9	8	3.51	Z 3.51	
21	1122	CHILE	5622316629	1415	18	8	36.26		36.26
22	1122	BURLINGTON	ON 416 332 0900	1457	4	8	1.24	Z 1.24	
23	1122	VANCOUVER	BC 604 687 9931	1521	2	8	1.14	Z 1.14	
24	1122	BURLINGTON	ON 416 335 8330	1523	5	8	1.55	Z 1.55	
25	1122	HAMILTON	ON 416 527 3071	1622	1	8	MZ .34		.34
26	1122	BOLIVIA	5912379245	1626	1	8	4.28		4.28
27	1122	VANCOUVER	BC 604 687 9931	1511	3	8	1.71	Z 1.71	
28	1122	OWEN SOUND	ON 519 376 0509	1528	1	8	.37	Z .37	
29	1122	WIARTON	ON 519 534 3737	1529	2	8	.74	Z .74	
30	1122	RICHMOND	BC 604 279 7730	1504	2	8	1.14	Z 1.14	
31	1122	CHILE	5622341126	1514	2	8	4.90		4.90
32	1123	COBALT	ON 705 679 5555	0919	2	8	.78	Z .78	
33	1123	BOLIVIA	5912379245	1000	1	8	4.28		4.28
34	1123	BOLIVIA	5912379248	1034	1	8	4.28		4.28
35	1123	NEW YORK	NY 212 818 0463	1046	1	8	.52		.52—
36	1123	NEW YORK	NY 212 818 9010	1047	1	8	.52		.52—
37	1123	CORAOPOLIS	PA 412 262 2681	1048	17	8	8.33		8.33—
38	1123	VANCOUVER	BC 604 687 9931	1452	11	8	6.27	Z 6.27	
39	1123	BOLIVIA	5912379248	1516	2	8	7.13		7.13
40	1123	EDMONTON	AB 403 486 4540	1605	21	8	11.97	Z 11.97	
41	1123	BOLIVIA	5912379248	1631	2	8	7.13		7.13
42	1123	ORO	ON 705 487 2565	2123	7	7	3.52	.88	2.64
		FROM OWENSD	ON						
43	1123	HAMILTON	ON 416 527 3071	1003	5	8	1.55	Z 1.55	
44	1127	FROM RICHMONBC	604 276 0989	0754	26	4	16.32	8.89	7.43
45	1127	SUDBURY	ON 705 670 7270	1029	1	8	.38	Z .38	
46	1127	BOLIVIA	5912379248	1129	1	8	4.28		4.28
47	1127	FLS CHURCH	VA 703 941 6919	1130	1	8	.55		.55—
48	1127	LAKEWOOD	CO 303 234 0273	1222	4	8	2.52		2.52—
49	1127	CORAOPOLIS	PA 412 262 2681	1229	1	8	.49		.49—
50	1127	CHILE	5622316629	1313	17	8	34.30		34.30
51	1127	QUESNEL	BC 604 992 2107	1353	2	8	1.14	Z 1.14	
52	1127	VANCOUVER	BC 604 685 8730	1355	1	8	.57	Z .57	
53	1127	RAPID CITY	SD 605 342 8731	1536	1	8	.61		.61—
54	1127	BOLIVIA	5912379248	1546	2	8	7.13		7.13
55	1127	RAPID CITY	SD 605 342 8731	1608	1	8	.61	MZ .34	.61—
56	1128	BURLINGTON	ON 416 332 6692	0746	2	8			
57	1128	LEXINGTON	KY 606 277 6188	1202	2	8	1.14		1.14—
58	1128	LEXINGTON	KY 606 277 6188	1304	3	8	1.71		1.71—
59	1128	BURLINGTON	ON 416 332 6692	1328	3	8	.93		.93
60	1128	BURLINGTON	ON 416 335 8330	1532	2	8	.62		.62
61	1128	FLS CHURCH	VA 703 941 8910	1559	1	8	.55		.55—
62	1128	VANCOUVER	BC 604 687 9931	1649	2	8	1.14	Z 1.14	
63	1128	VANCOUVER	BC 604 685 8730	1039	2	8	1.14	Z 1.14	
64	1129	EDMONTON	AB 403 428 0871	1328	27	8	15.39	Z 15.39	
65	1129	VANCOUVER	BC 604 687 9931	1518	1	8	.57	Z .57	
66	1129	RAPID CITY	SD 605 342 8731	1550	1	8	.61		.61—
67	1129	QUESNEL	BC 604 992 5575	1046	1	8	.57	Z .57	
68	1129	LEXINGTON	KY 606 277 6188	1143	1	8	.57		.57—
69	1130	RAPID CITY	SD 605 342 8731	1056	1	8	.61		.61—

Bell

See reverse for more information

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1990 12 07

*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	1130	CALGARY	AB 403 265 9243	1215	1	8	.57	Z	.57
2	1130	FLS CHURCH	VA 703 941 8910	1225	2	8	1.10		1.10
3	1130	CALGARY	AB 403 292 0344	1227	5	8	2.85	Z	2.85
4	1130	RAPID CITY	SD 605 342 8731	1149	12	8	7.32		7.32
5	1201	ORO FROM TORO	ON 705 487 2565	2048	4	7	2.40	.84	1.56
6	1203	CALGARY	AB 403 294 4987	1558	1	8	.48	Z	.48
7	1203	FLS CHURCH	VA 703 941 8910	1443	1	8	.53		.53
8	1204	FLS CHURCH	VA 703 941 8910	1048	1	8	.53		.53
9	1204	VANCOUVER	BC 604 688 9460	1222	13	8	6.24	Z	6.24
10	1204	CALGARY	AB 403 265 4490	1619	8	8	3.84	Z	3.84
11	1205	NEW YORK	NY 212 490 1356	1146	1	8	.51		.51
12	1205	VANCOUVER	BC 604 685 8730	1329	1	8	.48	Z	.48
13	1205	LAKWOOD	CO 303 234 9020	1331	1	8	.55		.55
14	1205	RAPID CITY	SD 605 342 8731	1334	30	8	16.20		16.20
15	1205	VANCOUVER	BC 604 685 8730	1404	8	8	3.84	Z	3.84
16	1205	GLENDALE	CA 818 545 9463	1427	1	8	.56		.56
17	1205	QUESNEL	BC 604 992 8341	1456	2	8	.96	Z	.96
18	1205	GLENDALE	CA 818 545 9463	1552	2	8	1.12		1.12
19	1205	BOLIVIA	5912379248	1640	1	8	4.28		4.28
20	1205	LAKWOOD	CO 303 234 9020	1641	1	8	.55		.55
21	1206	BOLIVIA	5912379248	1344	5	8	15.68	X	15.68
22	1206	CHILE	5622316629	1534	4	8	8.82		8.82
23	1206	BOLIVIA	5912379248	1016	1	8	4.28		4.28
24	1129	DIR. ASSISTANCE	360 0006	1544		8		Q	.60
25	1203	DIR. ASSISTANCE	368 2742	1447		8		Q	.60
26	1206	DIR. ASSISTANCE	960 8903	1713		8		Q	.60

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA
SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY

179.99

TAX-FED. 71.16

TAX-PROV. 57.06

SUB-TOTAL OF NON TELEPLUS CANADA CALLS 648.73

SUB-TOTAL INCLUDING TAX 776.95

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED 179.99

MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT 100.00

DISCOUNT FOR CANADA PLAN 15.00

TAX-FED. 18.15

TAX-PROV. 14.65

SUB-TOTAL 164.99

SUB-TOTAL INCLUDING TAX 197.79

TOTAL CHARGEABLE MESSAGES 813.72

TAX-FED. 89.31

TAX-PROV. 71.71

161.02

CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
THANK YOU FOR USING BELL LONG DISTANCE

*** IMPORTANT MESSAGE ***

TAX CHANGES EFFECTIVE JANUARY 1, 1991, WILL APPEAR
ON YOUR JANUARY ACCOUNT. BELL CANADA'S GST
REGISTRANT NUMBER WILL BE 100458652.

PLEASE TAKE NOTE THAT ON THE ENCLOSED CHRISTMAS INSERT THE PRIORITY
PACKAGE IS SHOWN WITH A TELEPHONE SET THAT DOES NOT CORRESPOND TO
ITS DESCRIPTION. FOR FURTHER INFORMATION, PLEASE CALL 1 800 387-5185.
WE APOLOGIZE FOR THE INCONVENIENCE.

Bell

See reverse for more information

2.6
7.26
3.66
1.48 +
3.15 +
7.67 +
2.20 +
10.71 +
0.63 +
0.62 +
6.41 +
0.63 +
6.58 +
0.53 +
2.96 +
1.14 +
0.74 +
6.74 +
1.65 +
0.63 +
1.26 +
6.93 +
1.26 +
0.63 +

221.71+T

0.0

221.71 x
19.3
42.12 +

0.0

221.71 +
42.12 +
263.83+T

INQUIRIES: BILLING - 321-5468
ORDERS - 599-8161

PAGE 1 ACCOUNT NUMBER
416 865 9300
LASTCORP INVESTMENTS LTD

DATE
1990 11 07

* * * ACCOUNT SUMMARY * * *

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - FED.	27.53
TAX - PROV.	42.10
CHARGEABLE MESSAGES	69.63
TAX - FED.	1038.64
TAX - PROV.	114.25
DIRECTORY ADVERTISING	91.47
	205.72
	20.00
TOTAL CURRENT CHARGES	1839.69
= AMOUNT DUE	1839.69

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 11 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

* * * CHARGEABLE MESSAGES * * *

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1004	TORONTO	ON 416 960 3800	1019	5	3			3.20
		FROM STJOV	PQ						
2	1004	BOCA RATON	FL 407 368 3431	1028	1	3			1.88
		FROM STJOV	PQ						
3	1004	TORONTO	ON 416 865 9300	1312	6	3			3.59
		FROM STJOV	PQ						
4	1004	TORONTO	ON 416 224 0019	0803	15	3			7.10—
		FROM STJOV	PQ						
5	1004	TORONTO	ON 416 928 3330	1011	3	3			2.42
		FROM STJOV	PQ						
6	1005	SUDBURY	ON 705 675 4395	1140	13	8	4.94	Z	4.94—
7	1005	RAPID CITY	SD 605 342 8731	1200	10	8	6.10	Z	6.10—
8	1009	BURLINGTON	ON 416 332 6692	0804	2	8	.62	Z	.62
9	1009	MONTREAL	PQ 514 844 3017	0941	2	8	.78	Z	.78
10	1009	QUEBEC	PQ 418 643 4540	1121	8	8	3.12	Z	3.12
11	1009	TIMMINS	ON 705 267 1141	1132	10	8	3.90	Z	3.90—

Bell

See reverse for more information

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416 865 9300DATE
1990 11 07

*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	1009	EDMONTON	AB 403 488 5047	1316	10	8	5.70	Z	5.70
2	1009	EDMONTON	AB 403 428 0871	1330	16	8	9.12	Z	9.12
3	1009	PT CARLING	ON 705 765 6577	1359	1	8	.37	Z	.37
4	1009	PT CARLING	ON 705 765 3186	1400	5	8	1.85	Z	1.85
5	1009	QUEBEC	PQ 418 643 4540	1432	1	8	.39	Z	.39
6	1009	LAKEFIELD	ON 705 652 3341	1435	4	8	1.64	Z	1.64
7	1009	BARRIE	ON 705 726 1861	1513	2	8	.70	Z	.70
8	1009	STROUD	ON 705 436 3311	1517	1	8	.34	Z	.34
9	1009	LIVONIA	MI 313 261 2566	1537	2	8	.94	Z	.94
10	1009	KINGSTON	ON 613 545 2060	1615	2	8	.76	Z	.76
11	1009	PERU	5114443614	1325	1	8	2.94	Z	2.94
12	1009	WINNIPEG	MB 204 831 6035	1522	2	8	1.10	Z	1.10
13	1009	RICHMOND	BC 604 279 7730	0916	1	8	.57	Z	.57
14	1009	LAKWOOD	CO 303 231 0328	1117	2	8	1.26	Z	1.26
15	1009	RICHMOND	BC 604 279 7730	1143	1	8	.57	Z	.57
16	1009	CALGARY	AB 403 243 9638	1126	10	8	5.70	Z	5.70
17	1009	LANGHORNE	PA 215 741 1855	1308	8	8	4.16	Z	4.16
18	1009	WINNIPEG	MB 204 269 2111	1414	1	8	.55	Z	.55
19	1009	WINNIPEG	MB 204 831 6035	1415	4	8	2.20	Z	2.20
20	1009	CALGARY	AB 403 298 3100	1423	5	8	2.85	Z	2.85
21	1009	CALGARY	AB 403 275 4663	1637	5	8	2.85	Z	2.85
22	1010	FIS CHURCH	VA 703 941 6919	0927	17	8	9.35	Z	9.35
23	1010	SALT LAKE	UT 801 487 9641	1012	2	8	1.26	Z	1.26
24	1010	CALGARY	AB 403 298 7360	1027	1	8	.57	Z	.57
25	1010	FTSASKAHWN	AB 403 992 5106	1047	9	8	5.13	Z	5.13
26	1010	CROSSFIELD	AB 403 946 4505	1120	4	8	2.28	Z	2.28
27	1010	NEW YORK	NY 212 490 1356	1143	2	8	1.04	Z	1.04
28	1010	RAPID CITY	SD 605 342 8731	1445	2	8	1.22	Z	1.22
29	1010	MONTREAL	PQ 514 844 3017	1635	8	8	3.12	Z	3.12
30	1010	EDMONTON	AB 403 428 0871	1102	25	8	14.25	Z	14.25
31	1011	CHILE	5622316629	0936	21	8	42.14	Z	42.14
32	1011	EVANS CITY	PA 412 538 3000	1003	2	8	.94	Z	.94
33	1011	PATERSON	NJ 201 790 1600	1007	2	8	1.04	Z	1.04
34	1011	PATERSON	NJ 201 790 1600	1009	2	8	1.04	Z	1.04
35	1011	HYANDOTTE	MI 313 282 7300	1013	6	8	2.82	Z	2.82
36	1011	FTSASKAHWN	AB 403 992 5106	1145	6	8	3.42	Z	3.42
37	1011	WESTLAKE	OH 216 892 2004	1220	3	8	1.41	Z	1.41
38	1011	SALT LAKE	UT 801 487 9641	1401	1	8	.63	Z	.63
39	1011	LAKWOOD	CO 303 231 0328	1523	7	8	4.41	Z	4.41
40	1011	MONTREAL	PQ 514 844 3017	1549	27	8	10.53	Z	10.53
41	1011	LAKWOOD	CO 303 234 9020	1643	2	8	1.26	Z	1.26
42	1011	CALGARY	AB 403 243 2041	2023	1	3	X 1.46	Z	1.46
		FROM EDMONTOAB	&						
43	1011	TORONTO	ON 416 923 8759	2208	3	3	2.96	.60	2.36
		FROM CALGARYAB							
44	1011	CALGARY	AB 403 269 3002	2019	3	3	X 1.98	Z	1.98
		FROM EDMONTOAB	&						
45	1011	MINNEAPOLIS	MN 612 331 4370	0936	13	8	7.67	Z	7.67
46	1011	NEW YORK	NY 212 490 1356	1042	2	8	1.04	Z	1.04
47	1011	RAPID CITY	SD 605 342 8731	1213	3	8	1.83	Z	1.83
48	1011	CHILE	5683221221	1218	1	8	2.94	Z	2.94
49	1012	TORONTO	ON 416 865 9300	0835	66	3			38.87
		FROM CALGARYAB							
50	1012	TORONTO	ON 416 865 9300	1400	16	3			10.37
		FROM CALGARYAB							
51	1012	EDMONTON	AB 403 468 6590	0834	1	3			X 1.60
		FROM CALGARYAB							
52	1012	RAPID CITY	SD 605 342 8731	0944	1	3			X 1.59
		FROM CALGARYAB							
53	1012	TORONTO	ON 416 865 9300	1024	13	3			8.66
		FROM CALGARYAB							
54	1012	TORONTO	ON 416 923 8759	2322	12	3	8.09	4.10	3.99
		FROM CALGARYAB							
55	1012	TORONTO	ON 416 865 9300	0949	4	3			3.53
		FROM CALGARYAB							
56	1012	VANCOUVER	BC 604 685 8730	1521	32	8	18.24	Z	18.24
57	1012	LAKWOOD	CO 303 234 0273	1554	2	8	1.26	Z	1.26
58	1012	LAKWOOD	CO 303 231 0280	1250	1	8	.63	Z	.63
59	1012	VANCOUVER	BC 604 687 8789	1320	1	8	.57	Z	.57
60	1012	VANCOUVER	BC 604 685 8730	1320	2	8	1.14	Z	1.14

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* * * CHARGEABLE MESSAGES * * *

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1012	WINNIPEG MB	204 885 7532	1324	2	8	1.10		1.10
2	1013	ORO ON FROM CALGARYAB	705 487 2565	1208	6	3			4.61
3	1013	ORO ON FROM KELOWNA BC	705 487 2565	1933	14	7	8.98	2.79	6.19
4	1014	TORONTO ON FROM CALGARYAB &	416 923 8759	1658	9	3	6.38	1.80	4.58—
5	1015	MONTREAL PQ	514 861 0583	1125	15	8	5.85		5.85
6	1015	FTSASKAHWN AB	403 992 5106	1117	8	8	4.56		4.56
7	1015	LAKWOOD CO	303 231 0328	1149	2	8	1.26		1.26—
8	1016	SALT LAKE UT	801 487 9641	1137	14	8	8.82		8.82—
9	1016	LAKWOOD CO	303 234 0273	1152	1	8	.63		.63—
10	1016	MONTREAL PQ	514 844 3017	1154	7	8	2.73		2.73
11	1016	CHILE	5622743510	1441	29	8	57.82		57.82
12	1016	CHILE	5622316629	1516	12	8	24.50		24.50
13	1016	RICHMOND BC	604 276 0989	1529	1	8	.57		.57
14	1016	VANCOUVER BC	604 685 0380	1619	3	8	1.71		1.71
15	1016	FTSASKAHWN AB	403 992 5050	1652	6	8	3.42		3.42
16	1016	VANCOUVER BC	604 687 9931	1711	1	8	.57		.57
17	1016	FROM RICHMONBC	604 276 0989	0816	1	4			2.07
18	1016	NEWMARKET ON	416 895 1561	0903	1	8			.34
19	1016	RAPID CITY SD	605 342 8731	1426	1	8	.61		.61—
20	1017	FROM RICHMONBC	604 276 0989	0739	10	4	7.20	3.42	3.78
21	1017	HAMILTON ON	416 527 3071	1018	1	8			.34
22	1017	LAKWOOD CO	303 234 0273	1421	2	8	1.26		1.26—
23	1017	ANGELSCAMP CA	209 728 2035	1436	6	8	3.78		3.78
24	1017	BAIE VERTE NF	709 532 4251	1536	1	8	.56		.56
25	1017	RAPID CITY SD	605 342 8731	1715	2	8	1.22		1.22—
26	1017	LEDUC AB	403 986 6550	1016	1	8	.57		.57
27	1018	BAIE VERTE NF	709 532 4251	0932	1	8	.56		.56
28	1018	CHATHAM ON	519 436 0872	0948	6	8	2.28		2.28
29	1018	HAMILTON ON	416 527 3071	1107	1	8			.34
30	1018	EDMONTON AB	403 428 0871	1148	1	8	.57		.57
31	1018	VANCOUVER BC	604 687 9931	1252	2	8	1.14		1.14
32	1018	LAKWOOD CO	303 237 9868	1301	1	8	.63		.63—
33	1018	LAKWOOD CO	303 234 0273	1301	4	8	2.52		2.52—
34	1018	QUESNEL BC	604 992 8341	1444	1	8	.57		.57
35	1018	QUESNEL BC	604 992 8341	1446	9	8	5.13		5.13
36	1018	SPRUCE GRV AB	403 962 2361	1455	4	8	2.28		2.28
37	1018	WASHINGTON DC	202 623 3935	1501	1	8	.55		.55
38	1018	VANCOUVER BC	604 687 9931	1622	1	8	.57		.57
39	1018	FTSASKAHWN AB	403 992 5050	1624	2	8	1.14		1.14
40	1018	CORAOPOLIS PA	412 262 2681	1629	11	8	5.39		5.39—
41	1018	RICHMOND BC	604 278 1241	1243	2	8	1.14		1.14—
42	1018	BRIGHTON ON	613 475 1033	1249	3	8	1.11		1.11—
43	1018	VAL DOR PQ	819 825 0211	1056	1	8	.49		.49
44	1018	MONTREAL PQ	514 844 3017	1057	24	8	9.36		9.36
45	1018	MONTREAL PQ	514 844 3017	1336	16	8	6.24		6.24
46	1018	SCOTTSDALE AZ	602 948 2100	1600	1	8	.63		.63
47	1019	WASHINGTON DC	202 623 1974	1008	3	8	1.65		1.65
48	1019	FLS CHURCH VA	703 941 6919	1011	1	8	.55		.55—
49	1019	HOPE BC	604 869 9631	1114	1	8	.57		.57
50	1019	LAKEFIELD ON	705 652 3341	1146	14	8	5.04		5.04—
51	1019	BAIE VERTE NF	709 532 4251	1201	1	8	.56		.56
52	1019	VAL DOR PQ	819 825 0211	1201	5	8	2.45		2.45
53	1019	BAIE VERTE NF	709 532 4251	1207	1	8	.56		.56
54	1019	FTSASKAHWN AB	403 992 5100	1229	2	8	1.14		1.14—
55	1019	RENO NV	702 826 6305	1232	14	8	8.82		8.82
56	1019	CHILE	5622316629	1326	10	8	20.58		20.58
57	1019	QUESNEL BC	604 992 8341	1449	1	8	.57		.57
58	1019	HAMILTON ON	416 527 3071	1526	2	8	.62		.62
59	1019	SAN FRAN CA	415 567 0312	1611	12	8	7.56		7.56—
60	1019	TORONTO ON	416 923 8759	2236	12	7	5.44	1.55	3.89
		FROM OWENSD ON							
61	1019	FROM QUESNEL BC	&	1050	10	4			7.20
62	1019	DRAGONLAKE BC	604 747 3557	0943	8	8	4.56		4.56
63	1020	TORONTO ON	416 923 8759	2246	18	7	7.66	4.00	3.66—
		FROM OWENSD ON							
64	1022	MONTREAL PQ	514 844 3017	1159	2	8	.78		.78
65	1022	BRIGHTON ON	613 475 1033	1202	4	8	1.48		1.48—

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*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	1022	QUESNEL	BC 604 992 8341	1320	1	8	.57	Z	.57
2	1022	INGERSOLL	ON 519 425 0076	1351	4	8	1.48	Z	1.48
3	1022	LAKEWOOD	CO 303 234 0273	1435	5	8	3.15	MZ	3.15
4	1022	BURLINGTON	ON 416 332 0900	1510	1	8	6.60		6.60
5	1022	WASHINGTON	DC 202 623 3935	1552	12	8	2.17	Z	2.17
6	1022	BURLINGTON	ON 416 332 0900	1028	7	8	1.12	Z	1.12
7	1022	SASKATOON	SK 306 955 0240	1137	2	8	1.48	Z	1.48
8	1022	OWEN SOUND	ON 519 371 3031	1202	4	8	.57	Z	.57
9	1022	VANCOUVER	BC 604 687 9931	1402	1	8	.62	Z	.62
10	1023	BURLINGTON	ON 416 335 2455	0949	2	8		MZ	.34
11	1023	BURLINGTON	ON 416 332 6692	1009	1	8	.39	Z	.39
12	1023	MONTREAL	PQ 514 844 3017	1128	1	8	13.65	Z	13.65
13	1023	MONTREAL	PQ 514 844 3017	1151	35	8	7.67		7.67
14	1023	MINNEAPOLIS	MN 612 331 4370	1230	13	8	.62	Z	.62
15	1023	HAMILTON	ON 416 527 3071	1441	2	8	2.20		2.20
16	1024	FLS CHURCH	VA 703 941 8910	1036	4	8	10.71		10.71
17	1024	LAKEWOOD	CO 303 234 0273	1109	17	8	.63		.63
18	1024	LAKEWOOD	CO 303 231 0328	1139	1	8	24.50		24.50
19	1024	CHILE	5683212006	1239	12	8	1.71	Z	1.71
20	1024	EDMONTON	AB 403 428 0871	1408	3	8	3.42	Z	3.42
21	1024	SPRUCE GRV	AB 403 962 2361	1411	6	8	2.28		2.28
22	1024	QUESNEL	BC 604 992 8341	1421	4	8		MZ	.34
23	1024	HAMILTON	ON 416 527 3071	1630	1	8	2.38	Z	2.38
24	1024	PELHAM	ON 416 892 6918	1526	7	8	2.28	Z	2.28
25	1024	RICHMOND	BC 604 273 1544	0946	4	8	1.71	Z	1.71
26	1024	HOPE	BC 604 869 9926	1204	3	8	1.71	Z	1.71
27	1024	RICHMOND	BC 604 273 1544	1417	3	8	1.71	Z	1.71
28	1024	VANCOUVER	BC 604 665 4800	1500	3	8	.62	Z	.62
29	1024	BURLINGTON	ON 416 332 6692	1511	2	8	7.41	Z	7.41
30	1024	RICHMOND	BC 604 273 1544	1543	13	8	.57	Z	.57
31	1024	HOPE	BC 604 869 9631	1557	1	8	.57	Z	.57
32	1024	EDMONTON	AB 403 428 0871	1113	1	8	.57		.57
33	1024	EDMONTON	AB 403 428 0871	1240	1	8	10.78		10.78
34	1024	CHILE	5683212006	1322	5	8	8.82		8.82
35	1024	CHILE	5683212006	1339	4	8	1.14	Z	1.14
36	1024	HOPE	BC 604 869 9631	1454	2	8	4.95		4.95
37	1025	WASHINGTON	DC 202 623 3935	1100	9	8	15.68	MZ	15.68
38	1025	BOLIVIA	5912323944	1119	5	8	.34		.34
39	1025	HAMILTON	ON 416 527 3071	1134	1	8	.63		.63
40	1025	LAKEWOOD	CO 303 231 0280	1136	1	8	1.26		1.26
41	1025	HELENA	MT 406 443 5790	1146	2	8	1.89		1.89
42	1025	HAMILTON	MT 406 363 3488	1148	3	8	4.41		4.41
43	1025	HELENA	MT 406 443 4118	1152	7	8	7.56		7.56
44	1025	HELENA	MT 406 443 5790	1200	12	8	.63	Z	.63
45	1025	HELENA	MT 406 443 4118	1223	1	8	.57	Z	.57
46	1025	QUESNEL	BC 604 992 3521	1225	1	8	.63	Z	.63
47	1025	ANGELSCAMP	CA 209 728 3436	1230	1	8	1.17	Z	1.17
48	1025	MONTREAL	PQ 514 844 3017	1243	3	8	1.26		1.26
49	1025	ANGELSCAMP	CA 209 728 3436	1323	2	8	.63		.63
50	1025	LAKEWOOD	CO 303 231 0328	1326	1	8	4.68		4.68
51	1025	LAKEFIELD	ON 705 652 3341	1413	13	8	1.17	Z	1.17
52	1025	MONTREAL	PQ 514 866 1000	1509	3	8	1.56	Z	1.56
53	1025	MONTREAL	PQ 514 866 1000	1512	4	8	.34	Z	.34
54	1025	PELHAM	ON 416 892 6918	1657	1	8	.57	Z	.57
55	1025	QUÉSNEL	BC 604 992 3521	1126	1	8	.57	Z	.57
56	1025	QUESNEL	BC 604 992 3521	1632	1	8	1.26		1.26
57	1026	COERDALENE	ID 208 765 0509	0919	2	8	.63		.63
58	1026	LAKEWOOD	CO 303 231 0280	1039	1	8	.63		.63
59	1026	SAFETY SALMON	ID 208 756 4281	1040	1	8	30.87		30.87
60	1026	SAFETY SALMON	ID 208 756 4281	1041	49	8	17.67	Z	17.67
61	1026	QUESNEL	BC 604 992 8341	1130	31	8	10.78	Z	10.78
62	1026	CHILE	5622316629	1347	5	8	2.85	Z	2.85
63	1026	RICHMOND	BC 604 276 0989	1137	5	8	2.38	Z	2.38
64	1026	PELHAM	ON 416 892 6918	1144	7	8	1.71	Z	1.71
65	1026	RICHMOND	BC 604 276 0989	1154	3	8	1.71	Z	1.71
66	1029	DRAGONLAKE	BC 604 747 3557	0939	3	8	2.96		2.96
67	1029	WIARTON	ON 519 534 3737	1066	8	8	.74	Z	.74
68	1029	OWEN SOUND	ON 519 371 3031	1054	2	8	.57	Z	.57
69	1029	EDMONTON	AB 403 486 4540	1203	1	8	5.13	Z	5.13
70	1029	EDMONTON	AB 403 486 4540	1242	9	8			

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5 416 865 9300DATE
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*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	1029	VANCOUVER	BC 604 687 9931	1641	4	8	2.28	Z	2.28
2	1029	CALGARY	AB 403 265 4490	1651	2	8	1.14	Z	1.14
3	1030	BRIGHTON	ON 613 475 1033	1036	2	8	.74	Z	.74
4	1030	LAKWOOD	CO 303 234 0273	1453	1	8	.63		.63
5	1030	VANCOUVER	BC 604 687 9931	1455	4	8	2.28	Z	2.28
6	1030	VANCOUVER FROM TORO	BC 604 687 9931	1635	1	7			1.57
7	1030	VANCOUVER FROM TORO	BC 604 687 9931	1737	37	7			22.09
8	1030	BRIGHTON	ON 613 475 1033	1019	2	8	.74	Z	.74
9	1030	FLS CHURCH	VA 703 941 8910	1600	3	8	1.65		1.65
10	1030	BOLIVIA	5912391624	1603	2	8	7.13		7.13
11	1031	BOLIVIA	5912391624	1024	37	8	106.88		106.88
12	1031	LAKWOOD	CO 303 234 0273	1525	1	8	.63		.63
13	1031	VANCOUVER	BC 604 685 8730	1549	8	8	4.56	Z	4.56
14	1101	LAKWOOD	CO 303 234 0273	0950	2	8	1.26		1.26
15	1101	LAKWOOD	CO 303 234 0273	1019	11	8	6.93		6.93
16	1101	ANGELSCAMP	CA 209 728 2035	1048	1	8	.63		.63
17	1101	HAMILTON	ON 416 527 3071	1137	17	8	5.27	Z	5.27
18	1101	BOLIVIA	5912378311	1400	18	8	52.73		52.73
19	1101	LAKWOOD	CO 303 234 0273	1419	2	8	1.26		1.26
20	1102	MONTREAL	PQ 514 493 6875	1123	2	8	.78	Z	.78
21	1102	ORO	ON 705 487 2565	2151	5	7	2.80	.63	2.17
22	1103	ORO FROM OWENSD	ON 705 487 2565	2131	11	7	4.96	2.38	2.58
23	1105	VICTORIA	BC 604 380 3416	1549	1	8	.57	Z	.57
24	1105	RICHMOND	BC 604 276 3082	1550	6	8	3.42	Z	3.42
25	1105	HALIFAX	NS 902 425 6700	1605	2	8	1.10	Z	1.10
26	1105	HALIFAX	NS 902 425 6700	1707	1	8	.55	Z	.55
27	1105	VICTORIA	BC 604 381 2223	1545	1	8	.57	Z	.57
28	1105	VICTORIA	BC 604 380 3416	1546	1	8	.57	MZ	.34
29	1106	BURLINGTON	ON 416 332 6692	0746	1	8			.63
30	1106	LAKWOOD	CO 303 234 0273	1139	1	8	.63	Z	1.71
31	1106	VANCOUVER	BC 604 687 9931	1609	3	8	1.71		
32	1106	LEAMINGTON	ON 519 326 5728	1645	2	8	.76	Z	.76
33	1106	BURLINGTON	ON 416 632 2282	0956	1	8		MZ	.34

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA
SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY

TAX-FED. 81.86

TAX-PROV. 65.33 SUB-TOTAL OF NON TELEPLUS CANADA CALLS 744.22

SUB-TOTAL INCLUDING TAX 891.41

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED 309.42
MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT 100.00
DISCOUNT FOR CANADA PLAN 15.00TAX-FED. 32.39
TAX-PROV. 26.14SUB-TOTAL 294.42
SUB-TOTAL INCLUDING TAX 352.95TOTAL CHARGEABLE MESSAGES 1038.64
TAX-FED. 114.25
TAX-PROV. 91.47 205.72CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
THANK YOU FOR USING BELL LONG DISTANCETHE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
(23.14% PER ANNUM)

11.70 +
0.61 +
3.90 +
3.89 +
3.66 +
0.59 +
1.04 +
1.44 +
7.81 +
1.26 +
4.41 +
1.65 +
12.81 +
8.27 +
4.27 +
21.35 +
1.89 +
3.78 +
0.63 +
1.52 +
0.38 +
185.87 + T

0.0 C

185.87 X
19.0 %
35.32 +

0.0 C

185.87 +
35.32 +
221.19 + T

INQUIRIES: BILLING - 321-5
ORDERS - 599-8161

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LASTCORP INVESTMENTS LTD

DATE
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*** ACCOUNT SUMMARY ***

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - FED.	27.53
TAX - PROV.	42.10
CHARGEABLE MESSAGES	820.68
TAX - FED.	90.22
TAX - PROV.	72.10
DIRECTORY ADVERTISING	162.32
	20.00
TOTAL CURRENT CHARGES	1578.33

= AMOUNT DUE

1578.33

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 10 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0907	ORO	ON 705 487 2565	1030	2	8	.70	Z	.70
2	0907	CALGARY	AB 403 298 6111	1155	2	8	1.14	Z	1.14
3	0907	ORO	ON 705 487 2565	1221	1	8	.35	Z	.35
4	0910	CALEDON E	ON 416 584 2750	0915	7	8	1.82	Z	1.82
5	0910	QUEBEC	PQ 418 643 4540	0949	43	8	16.77	Z	16.77
6	0910	NEWHAMBURG	ON 519 662 2877	1054	10	8	3.60	Z	3.60
7	0910	EDMONTON	AB 403 428 0871	1112	2	8	1.14	Z	1.14
8	0910	HAMILTON	ON 416 527 3071	1123	4	8	1.24	Z	1.24
9	0910	FTSASKAHWN	AB 403 992 5050	1149	9	8	5.13	Z	5.13
10	0910	SUDBURY	ON 705 688 0250	1159	4	8	1.52	Z	1.52
11	0910	CORAOPOLIS	PA 412 262 2681	1204	5	8	2.45		2.45
12	0910	VANCOUVER	BC 604 688 6882	1228	1	8	.57	Z	.57
13	0910	VANCOUVER	BC 604 688 9460	1229	2	8	1.14	Z	1.14
14	0910	EDMONTON	AB 403 428 0871	1251	47	8	26.79	Z	26.79
15	0910	FTSASKAHWN	AB 403 992 5106	1342	10	8	5.70	Z	5.70
16	0910	EDMONTON	AB 403 428 0871	1619	13	8	7.41	Z	7.41

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See reverse for more information

X X X CHARGEABLE MESSAGES X X X

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0910	CORAOPOLIS	PA 412 262 2681	1344	21	8	10.29		10.29
2	0910	HAMILTON	ON 416 527 3071	1144	2	8	.62	Z	.62
3	0910	MONTREAL	PQ 514 844 3017	1157	2	8	.78	Z	.78
4	0911	BURLINGTON	ON 416 332 6692	0745	1	8		MZ	.34
5	0911	HAMILTON	ON 416 527 3071	0900	9	8	2.79	Z	2.79
6	0911	LIVONIA	MI 313 261 2566	1102	1	8	.47		.47
7	0911	HELENA	MT 406 443 4118	1136	6	8	3.78		3.78
8	0911	HAMILTON	ON 416 527 3071	1249	2	8	.62	Z	.62
9	0911	HAMILTON	ON 416 527 3071	1730	2	8	.62	Z	.62
10	0911	PORT HOPE	ON 416 885 6326	1456	1	8	.35	Z	.35
11	0911	BURLINGTON	ON 416 332 6692	1515	3	8	.93	Z	.93
12	0911	BOLIVIA	5912391624	1021	8	8	24.23		24.23
13	0911	BOLIVIA	5912391624	1206	2	8	7.13		7.13
14	0911	OTTAWA	ON 613 744 4505	1444	12	8	4.56	Z	4.56
15	0912	LAKEWOOD	CO 303 234 0273	1157	11	6	6.93		6.93
16	0912	WINNIPEG	MB 204 885 7552	1221	16	8	8.80	Z	8.80
17	0912	CHICAGO	IL 312 951 7449	1250	1	8	.57		.57
18	0912	CHICAGO	IL 312 951 1011	1251	1	8	.57		.57
19	0912	CHILE	5622238941	1616	1	8	2.94		2.94
20	0912	CHILE	5622316629	1617	9	8	18.62		18.62
21	0912	FROM RICHMONBC	604 276 0989	0726	8	4	6.06	2.74	3.32
22	0912	MONTREAL	PQ 514 281 1013	1216	1	8	.39	Z	.39
23	0913	BRIGHTON	ON 613 475 1033	1000	10	8	3.70	Z	3.70
24	0913	WASHINGTON	DC 202 623 3935	1338	14	8	7.70		7.70
25	0913	MONTREAL	PQ 514 844 3017	1451	4	8	1.56	Z	1.56
26	0913	BURLINGTON	ON 416 632 7550	1455	8	8	2.48	Z	2.48
27	0913	NEW YORK	NY 212 490 1356	1609	1	8	.52		.52
28	0913	NORTH BAY	ON 705 474 8480	1526	2	8	.76	Z	.76
29	0914	FLS CHURCH	VA 703 941 8910	0943	1	8	.55		.55
30	0914	LEXINGTON	KY 606 277 6188	1000	10	8	5.70		5.70
31	0914	BOLIVIA	5912357238	1217	3	8	9.98		9.98
32	0914	CHILE	5683212006	1356	6	8	12.74		12.74
33	0914	CARSONCITY	NV 702 887 8122	1114	1	8	.63	Z	.63
34	0914	BRIGHTON	ON 613 475 1033	1310	1	8	.39	Z	.39
35	0914	MONTREAL	PQ 514 281 1013	1022	1	8	.39		.39
36	0914	HAMILTON	ON 416 527 3071	1356	7	8	2.17	Z	2.17
37	0917	EDMONTON	AB 403 428 0871	1053	4	8	2.28	Z	2.28
38	0917	CALEDON	ON 519 927 3369	1113	9	8	2.79	Z	2.79
39	0917	WASHINGTON	DC 202 623 3935	1134	7	8	3.85		3.85
40	0917	BURLINGTON	ON 416 632 5500	1147	1	8		MZ	.34
41	0917	BURLINGTON	ON 416 632 7550	1147	1	8		MZ	.34
42	0917	RAPID CITY	SD 605 342 8731	1151	1	8	.61		.61
43	0917	GLENDALE	AZ 602 979 4119	1200	1	8	.63		.63
44	0917	CHILE	5622238941	1437	12	8	24.50		24.50
45	0917	FLS CHURCH	VA 703 941 6919	1050	31	8	17.05		17.05
46	0917	BARTLESVL	OK 918 661 4414	1157	2	8	1.22	Z	1.22
47	0918	HAMILTON	ON 416 527 3071	0922	5	8	1.55		1.55
48	0918	NEW YORK	NY 212 490 1356	1112	13	8	6.76		6.76
49	0918	EDMONTON	AB 403 483 2551	1351	18	8	10.26	Z	10.26
50	0918	FTSASKAHN	AB 403 992 5102	1513	8	8	4.56	Z	4.56
51	0918	NORTH BAY	ON 705 474 8480	1522	5	8	1.90	Z	1.90
52	0918	TORONTO	ON 416 923 8759	1627	3	7			2.56
53	0918	FROM QUEENS	NY &						1.55
53	0918	FLS CHURCH	VA 703 941 6919	1034	1	7			
53	0918	FROM MALTON	ON &						
54	0919	CHILE	5622238941	0929	2	8	4.90		4.90
55	0919	CHILE	5622238941	1107	19	8	38.22		38.22
56	0919	BARTLESVL	OK 918 661 4414	1132	7	8	4.27		4.27
57	0919	EDMONTON	AB 403 483 2551	1202	2	8	1.14	Z	1.14
58	0919	RAPID CITY	SD 605 342 8731	1257	13	8	7.93		7.93
59	0919	SUDBURY	ON 705 675 4441	1514	3	8	1.14	Z	1.14
60	0919	VANCOUVER	BC 604 669 3398	1519	11	8	6.27		6.27
61	0919	LAKEWOOD	CO 303 234 9020	1619	5	8	3.15		3.15
62	0919	MONTREAL	PQ 514 281 1013	1115	4	8	1.56	Z	1.56
63	0919	WASHINGTON	DC 202 473 0721	1222	1	8	.55		.55
64	0919	CALGARY	AB 403 290 4100	1551	8	8	4.56	Z	4.56
65	0919	CALGARY	AB 403 290 4270	1607	6	8	3.42	Z	3.42
66	0920	HAMILTON	ON 416 527 3071	1007	2	8	.62		.62
67	0920	RAPID CITY	SD 605 342 8731	1149	17	8	10.37	Z	10.37
68	0920	PETERBRGH	ON 705 742 3341	1330	1	8	.36	Z	.36

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0920	LAKEFIELD	ON 705 652 3341	1330	5	8	1.80	Z	1.80—
2	0920	WHALLEY	BC 604 589 6297	1350	17	8	9.69	Z	9.69
3	0920	EDMONTON	AB 403 428 0871	1101	1	8	.57	Z	.57
4	0920	VANCOUVER	BC 604 688 9460	1553	1	8	.57	Z	.57
5	0920	HAMILTON	ON 416 527 3071	1554	5	8	1.55	Z	1.55
6	0921	TIMMINS	ON 705 267 1401	1014	3	8	1.17	Z	1.17—
7	0921	CHILE	5622238941	1144	5	8	10.78		10.78
8	0921	CHILE	5622316629	1340	16	8	32.34		32.34
9	0921	TORONTO	ON 416 865 9300	1648	1	7			1.52
		FROM QUEENS NY	&						
10	0921	TORONTO	ON 416 224 0019	1650	16	7			9.32—
		FROM QUEENS NY	&						
11	0921	TORONTO	ON 416 923 8759	1637	1	7			1.52
		FROM QUEENS NY	&						
12	0924	EDMONTON	AB 403 428 0871	1103	1	8	.57	Z	.57
13	0924	FLS CHURCH	VA 703 941 8910	1145	2	8	1.10		1.10—
14	0924	SARASOTA	FL 813 953 4089	1251	1	8	.61		.61
15	0924	LEXINGTON	KY 606 299 6085	1314	3	8	1.71		1.71—
16	0924	WASHINGTON	DC 202 473 0650	1108	2	8	1.10		1.10
17	0925	CHILE	562462190	0933	11	8	22.54		22.54
18	0925	WILLIAMSVL	NY 716 632 7206	1049	1	8	.37		.37
19	0925	LIVONIA	MI 313 261 2566	1153	1	8	.47		.47—
20	0925	WASHINGTON	DC 202 623 3935	1155	3	8	1.65	Z	1.65
21	0925	SUDBURY	ON 705 675 4395	1409	2	8	.76	Z	.76—
22	0925	RAPID CITY	SD 605 342 8731	1418	1	8	.61		.61
23	0925	HAMILTON	ON 416 527 3071	1634	1	8		MZ	.34
24	0925	BURLINGTON	ON 416 332 6692	1522	3	8	.93	Z	.93
25	0925	BURLINGTON	ON 416 332 6692	0905	2	8	.62	Z	.62
26	0925	EDMONTON	AB 403 483 2551	1156	1	8	.57	Z	.57
27	0925	TIMMINS	ON 705 267 1401	1157	10	8	3.90	Z	3.90—
28	0925	SUDBURY	ON 705 675 4395	1344	10	8	3.80	Z	3.80—
29	0925	FTSASKAHWN	AB 403 992 5106	1357	1	8	.57	Z	.57
30	0925	BURLINGTON	ON 416 332 6692	1451	1	8		MZ	.34
31	0925	RENO	NV 702 826 6305	1453	1	8	.63		.63
32	0925	RAPID CITY	SD 605 342 8953	1609	6	8	3.66		3.66—
33	0926	CHILE	5622316629	1156	12	8	24.50		24.50
34	0926	TRENTON	ON 613 392 9271	1412	3	8	1.11	Z	1.11
35	0926	EDMONTON	AB 403 428 0871	1420	4	8	2.28	Z	2.28
36	0926	SMYRNA	GA 404 433 0245	1441	1	8	.59		.59—
37	0926	WPALMBEACH	FL 407 433 0245	1442	16	8	9.76		9.76
38	0926	EDMONTON	AB 403 483 2551	1542	5	8	2.85	Z	2.85
39	0926	EDMONTON	AB 403 483 2551	1319	31	8	17.67	Z	17.67
40	0926	EDMONTON	AB 403 428 0871	1406	6	8	3.42	Z	3.42
41	0926	EDMONTON	AB 403 483 2551	1414	1	8	.57		.57
42	0927	EDMONTON	AB 403 481 7217	0937	6	8	3.42	Z	3.42
43	0927	HAMILTON	ON 416 527 3071	1057	13	8	4.03	Z	4.03
44	0927	DRESDEN	ON 519 683 4413	1205	8	8	3.04	Z	3.04
45	0927	ST JOVITE	PQ 819 425 2731	1515	8	8	3.12	Z	3.12
46	0927	ST JOVITE	PQ 819 425 2731	1524	3	8	1.17	Z	1.17
47	0927	NEW CANAAN	CT 203 966 8880	1518	2	8	1.04		1.04—
48	0927	LAKEFIELD	ON 705 652 3341	1505	4	8	1.44	Z	1.44—
49	0928	ST JOVITE	PQ 819 425 2731	1016	2	8	.78	Z	.78
50	1001	PELHAM	ON 416 892 6918	0940	10	8	3.40	Z	3.40
51	1001	HAMILTON	ON 416 527 3071	0954	10	8	3.10	Z	3.10
52	1001	MONTREAL	PQ 514 844 9589	1257	1	8	.39	Z	.39
53	1001	MONTREAL	PQ 514 848 8078	1428	31	8	12.09	Z	12.09
54	1001	CONCORD	CA 415 682 4105	1558	3	8	1.89		1.89
55	1001	TORONTO	ON 416 865 9300	0959	2	3			2.03
		FROM STJOV	PQ						7.84—
56	1001	TORONTO	ON 416 224 0019	1903	26	3			
		FROM STJOV	PQ						.34
57	1001	PELHAM	ON 416 892 6918	1548	1	8		Z	.34
58	1002	TORONTO	ON 416 964 2298	1048	2	3			2.03
		FROM STJOV	PQ						1.64
59	1002	TORONTO	ON 416 598 8756	1112	1	3			
		FROM STJOV	PQ						1.64
60	1002	TORONTO	ON 416 865 9300	1621	1	3			
		FROM STJOV	PQ						.34
61	1002	BURLINGTON	ON 416 332 7215	0853	1	8			
62	1002	LAKWOOD	CO 303 231 0328	1029	2	8	1.26	MZ	.34
									1.26

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*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	1002	FTSASKAHWN	AB 403 992 5106	1814	21	8	11.97	4.19 Z	7.78
2	1002	VANCOUVER	BC 604 261 7291	1328	9	8	5.13	Z	5.13
3	1002	EDMONTON	AB 403 428 0871	1339	4	8	2.28	Z	2.28
4	1002	BURLINGTON	ON 416 335 2455	1547	1	8	.93	MZ	.34
5	1002	BURLINGTON	ON 416 332 6000	1355	3	8	1.24	Z	.93
6	1002	BURLINGTON	ON 416 332 6692	1358	4	8	4.41	Z	1.24
7	1002	CORAOPOLIS	PA 412 262 2681	1540	9	8	.41		4.41
8	1003	FLS CHURCH	VA 703 941 6919	0900	3	8	1.65		1.65
9	1003	UN KINGDOM	44817592424	1055	10	8	12.81	MZ	12.81
10	1003	HAMILTON	ON 416 527 3071	1140	1	8		.34	
11	1003	RENO	NV 702 826 6305	1141	12	8	7.56		7.56
12	1003	MONTRÉAL	PQ 514 844 3017	1153	2	8	.78	Z	.78
13	1003	MONTRÉAL	PQ 514 844 3017	1201	1	8	.39	Z	.39
14	1003	TORONTO	ON 416 865 9300	1215	18	3			8.27
15	1003	FROM STJOV	PQ						
15	1003	VICTORIA	BC 604 385 7128	2141	20	3			8.66
16	1003	FROM STJOV	PQ						
16	1003	UN KINGDOM	44817592424	0938	3	8	4.27		4.27
17	1003	ENNIS	MT 406 682 4215	1004	2	8	1.26		1.26
18	1003	UN KINGDOM	44817592424	0939	17	8	21.35		21.35
19	1003	WASHINGTON	DC 202 623 3935	1003	2	8	1.10		1.10
20	1003	MONTRÉAL	PQ 514 861 0583	1202	19	8	7.41	Z	7.41
21	1004	HAMILTON	ON 416 527 3071	0924	1	8		MZ	.34
22	1004	EDMONTON	AB 403 428 0871	1251	1	8	.57	Z	.57
23	1004	HAMILTON	ON 416 527 3071	1319	1	8		MZ	.34
24	1004	HAMILTON	ON 416 527 3071	1338	1	8		MZ	.34
25	1004	LAKWOOD	CO 303 234 9020	1341	3	8	1.89		1.89
26	1004	VANCOUVER	BC 604 687 0417	1409	3	8	1.71	Z	1.71
27	1004	HAMILTON	ON 416 527 3071	1557	1	8		MZ	.34
28	1004	LAKWOOD	CO 303 231 0328	1611	6	8	3.78	Z	3.78
29	1004	FTSASKAHWN	AB 403 992 5100	1623	4	8	2.28		2.28
30	1004	LAKWOOD	CO 303 231 0328	1628	1	8	.63		.63
31	1004	HAMILTON	ON 416 527 3071	1642	1	8		MZ	.34
32	1004	SUDBURY	ON 705 675 4395	1049	4	8	1.52	Z	1.52
33	1004	SUDBURY	ON 705 675 4395	1049	1	8	.38	Z	.38
34	1005	CHILE		5622316629	1255	15	8		30.38
35	0910	DIR. ASSISTANCE		364 4421	1126	8		Q	.60
		TAX-FED.	54.94						
		TAX-PROV.	43.63					SUB-TOTAL	500.01
							SUB-TOTAL	598.58	

CN CP TELEGRAMS

36	0829	SANTIAGO	TELEGRAM		26.32
37	0906	SANTIAGO	TELEGRAM		31.92
		TAX-FED.	6.41		
		TAX-PROV.	5.17		
				SUB-TOTAL	58.24
				SUB-TOTAL INCLUDING TAX	69.82

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA
SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY 277.43
TAX-FED. 61.35
TAX-PROV. 48.80 SUB-TOTAL OF NON TELEPLUS CANADA CALLS 558.25
SUB-TOTAL INCLUDING TAX 668.40

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED	277.43
MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT 100.00	
DISCOUNT FOR CANADA PLAN	15.00
TAX-FED.	28.87
TAX-PROV.	23.30
	SUB-TOTAL 262.43
	SUB-TOTAL INCLUDING TAX 314.60

PAGE TELEPHONE NUMBER
5 416 865 9300

DATE
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*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>	
								TOTAL CHARGEABLE MESSAGES	820.68
								TAX-FED.	90.22
								TAX-PROV.	72.10
									162.32

CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
THANK YOU FOR USING BELL LONG DISTANCE

THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
(23.14% PER ANNUM)

SHOULD A POSTAL STRIKE OCCUR, PAYMENTS MAY BE MADE AT BELL CANADA
PUBLIC OFFICES, BELL PHONECENTRES (CHEQUE OR MONEY ORDER ONLY) OR
MOST FINANCIAL INSTITUTIONS. PLEASE CHECK THE INTRODUCTORY PAGES
OF YOUR DIRECTORY FOR MORE INFORMATION.

0 . C

20 . 13 +
1 . 28 +
1 . 28 +
8 . 08 +
19 . 11 +
10 . 29 +
6 . 55 +
6 . 55 +
1 . 47 +
4 . 61 +
10 . 08 +
7 . 35 +
20 . 13 +
7 . 93 +
1 . 56 +
4 . 68 +
0 . 55 +
20 . 35 +
17 . 69 +
1 . 83 +
29 . 89 +
201 . 19 + T

0 . C

201 . 19 x
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201 . 19 +
38 . 23 +
239 . 42 + T

INQUIRIES - 722-7377

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1 705 487 2565
G LAST

DATE
1990 09 19

*** ACCOUNT SUMMARY ***

SERVICES	28.15
EQUIPMENT RENTALS	34.00
TAX - PROV.	4.88
CHARGEABLE MESSAGES	434.19
TAX - FED.	47.69
TAX - PROV.	38.55
	<u>86.24</u>
TOTAL CURRENT CHARGES	587.46

= AMOUNT DUE

587.46

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 09 19 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

* R * CHARGEABLE MESSAGES * R *

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0819	OTTAWA	ON 613 226 5255	0943	18	8	6.84	4.10	2.74
2	0819	UN KINGDOM	44746765212	1532	16	8	20.13		20.13
3	0819	TORONTO	ON 416 787 9490	1548	15	8	5.25	3.15	2.10
4	0820	UN KINGDOM	44746765454	0731	1	8	1.28		1.28
5	0820	UN KINGDOM	44746765454	0844	1	8	1.28		1.28
6	0820	UN KINGDOM	44746765454	0855	9	8	8.08		8.08
7	0820	TORONTO	ON 416 865 9300	0909	7	8	2.45		2.45
8	0820	TORONTO	ON 416 865 9300	0939	1	8	.35		.35
9	0820	TORONTO	ON 416 865 1153	1045	3	8	1.05		1.05
10	0820	TORONTO	ON 416 865 9300	1300	1	8	.35		.35
11	0820	TORONTO	ON 416 865 1153	1302	5	8	1.75		1.75
12	0820	TORONTO	ON 416 865 9300	1308	8	8	2.80		2.80
13	0820	UN KINGDOM	44746762721	1322	19	8	19.11		19.11
14	0820	TORONTO	ON 416 865 1153	1409	2	8	.70		.70
15	0820	TORONTO	ON 416 865 9300	1412	37	8	12.95		12.95
16	0820	TORONTO	ON 416 865 1153	1536	4	8	1.40		1.40
17	0820	TORONTO	ON 416 941 9440	1541	1	8	.35		.35
18	0820	COOKSVILLE	ON 416 897 1710	1542	1	8	.36		.36
19	0820	HAMILTON	ON 416 527 3071	1543	2	8	.74		.74

Bell

See reverse for more information

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2 705 487 2565DATE
1990 09 19

X R X CHARGEABLE MESSAGES X R X

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	0820	AURORA	ON 416 841 7378	1549	2	8	.62		.62
2	0820	TORONTO	ON 416 865 1153	1649	3	8	1.05		1.05
3	0820	TORONTO	ON 416 865 9300	1653	1	8	.35		.35
4	0820	TORONTO	ON 416 865 9300	1720	16	8	5.60		5.60
5	0820	TORONTO	ON 416 865 9300	1740	1	8	.35		.35
6	0820	UN KINGDOM	44746765212	1748	10	8	10.29		10.29—
7	0820	CALGARY	AB 403 238 1608	1902	3	8	1.68	.59	1.09
8	0820	CALGARY	AB 403 271 9119	2132	18	8	10.08	3.53	6.55—
9	0820	CALGARY	AB 403 271 9119	2204	19	8	10.64	3.72	6.92
10	0821	ORLEANS	ON 613 824 7414	1021	6	8	2.28		2.28
11	0821	CALGARY	AB 403 269 3002	1932	15	8	8.40	2.94	5.46
12	0821	CALGARY	AB 403 289 4794	2015	1	8	.56	.20	.36
13	0821	CALGARY	AB 403 243 9638	2025	18	8	10.08	3.53	6.55—
14	0822	CALGARY	AB 403 271 9119	2217	1	8	.56	.20	.36
15	0822	CALGARY	AB 403 271 9119	2234	1	8	.56	.20	.36
16	0822	CALGARY	AB 403 271 9119	2235	1	8	.56	.20	.36
17	0823	MALTON	ON 416 676 3210	0644	1	8		M	.34
18	0823	MALTON	ON 416 676 3210	0650	1	8		M	.34
19	0823	CALGARY	AB 403 243 2041	0907	8	8	4.48		4.48
20	0823	TORONTO	ON 416 785 5001	1007	5	8	1.75		1.75
21	0823	TORONTO	ON 416 865 9300	1138	1	8	.35		.35—
22	0823	UN KINGDOM	44746762727	1547	1	8	1.47		1.47
23	0823	UN KINGDOM	44746762721	1549	4	8	4.41		4.41—
24	0823	CALGARY	AB 403 271 9119	2321	5	8	2.80	1.68	1.12
25	0824	TORONTO	ON 416 941 6490	0905	1	8	.35		.35
26	0824	TORONTO	ON 416 696 1858	0907	1	8	.35		.35
27	0825	TORONTO	ON 416 925 2891	1441	2	8		M	.34
28	0826	STROUD	ON 705 431 1100	1030	3	8		M	.34
29	0826	TORONTO	ON 416 489 4402	1227	21	8	7.35	4.41	2.94
30	0827	TORONTO	ON 416 865 1153	1826	4	8	1.40	.49	.91
31	0829	TORONTO	ON 416 392 7109	0846	9	8	3.15		3.15
32	0829	TORONTO	ON 416 865 1153	1049	4	8	1.40		1.40
33	0829	TORONTO	ON 416 865 9300	1054	2	8	.70		.70
34	0829	CALGARY	AB 403 271 9119	1104	20	8	11.20		11.20
35	0829	TORONTO	ON 416 923 8759	1124	8	8	2.80		2.80
36	0829	TORONTO	ON 416 865 9300	1134	1	8	.35		.35
37	0829	TORONTO	ON 416 868 5500	1135	1	8	.35		.35
38	0829	TORONTO	ON 416 865 1153	1146	3	8	1.05		1.05
39	0829	TORONTO	ON 416 868 5500	1209	1	8	.35		.35
40	0829	TORONTO	ON 416 865 9300	1250	1	8	.35		.35
41	0829	TORONTO	ON 416 865 1153	1251	4	8	1.40		1.40
42	0829	TORONTO	ON 416 865 9300	1303	8	8	2.80		2.80
43	0829	TORONTO	ON 416 657 8986	1320	2	8	.70		.70
44	0829	TORONTO	ON 416 539 9576	1323	6	8	2.10		2.10
45	0829	TORONTO	ON 416 868 5500	1330	1	8	.35		.35
46	0829	CALGARY	AB 403 294 4987	1333	18	8	10.08		10.08—
47	0829	TORONTO	ON 416 865 9300	1422	1	8	.35		.35
48	0829	TORONTO	ON 416 865 9300	1439	1	8	.35		.35
49	0829	TORONTO	ON 416 865 1153	1503	2	8	.70		.70
50	0829	TORONTO	ON 416 865 9300	1507	1	8	.35		.35
51	0829	TORONTO	ON 416 865 1153	1524	3	8	1.05		1.05
52	0829	TORONTO	ON 416 865 1153	1535	3	8	1.05		1.05
53	0829	TORONTO	ON 416 865 9300	1556	4	8	1.40		1.40
54	0829	TORONTO	ON 416 865 1153	1619	1	8	.35		.35
55	0829	CALGARY	AB 403 266 3688	1629	10	8	5.60		5.60
56	0829	TORONTO	ON 416 865 1153	1723	1	8	.35		.35
57	0830	TORONTO	ON 416 865 9300	0950	37	8	12.95		12.95
58	0830	TORONTO	ON 416 865 9300	1043	1	8	.35		.35
59	0830	TORONTO	ON 416 787 9490	1912	27	8	9.45	3.31	6.14
60	0831	TORONTO	ON 416 924 2233	1033	1	8	.35		.35
61	0831	TORONTO	ON 416 657 8986	1050	1	8	.35		.35
62	0831	TORONTO	ON 416 963 8190	1054	1	8	.35		.35
63	0901	UN KINGDOM	44746765212	1020	7	8	7.35		7.35—
64	0904	TORONTO	ON 416 429 0193	0924	2	8	.70		.70
65	0904	UN KINGDOM	44746765212	1022	16	8	20.13		20.13—
66	0904	UN KINGDOM	44746765212	1042	6	8	7.93		7.93—
67	0904	THAMESFORD	ON 519 285 3818	1905	1	8		M	.34
68	0905	TORONTO	ON 416 657 8986	0904	2	8	.70		.70
69	0905	TORONTO	ON 416 977 7999	1419	4	8	1.40		1.40
70	0905	TORONTO	ON 416 960 3800	1513	2	8	.70		.70

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See reverse for more information

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705 487 2565

Member of Telecom Canada

DATE
1990 09 19

X R X CHARGEABLE MESSAGES X R X

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0905	TORONTO	ON 416 675 2211	1755	6	8	2.10		2.10
2	0906	MONTREAL	PQ 514 281 1013	0930	1	8	.39		.39
3	0906	MONTREAL	PQ 514 383 8546	0931	2	8	.78		.78
4	0906	CORAOPOLIS	PA 412 262 2681	0934	3	8	1.56		1.56
5	0906	WASHINGTON	DC 202 623 3935	0937	19	8	10.45		10.45
6	0906	MONTREAL	PQ 514 281 1013	0955	1	8	.39		.39
7	0906	MONTREAL	PQ 514 281 1013	1110	2	8	.78		.78
8	0906	MONTREAL	PQ 514 592 3272	1112	6	8	2.34		2.34
9	0906	CORAOPOLIS	PA 412 262 2681	1119	9	8	4.68		4.68
10	0906	TORONTO	ON 416 865 9300	1127	2	8	.70		.70
11	0906	FLS CHURCH	VA 703 941 6919	1129	1	8	.55		.55
12	0906	TORONTO	ON 416 487 5281	1141	12	8	4.20		4.20
13	0906	QUESNEL	BC 604 992 5575	1540	1	8	.57		.57
14	0906	FLS CHURCH	VA 703 941 6919	1614	37	8	20.35		20.35
15	0907	HAMILTON	ON 416 527 3071	0940	1	8	.37		.37
16	0907	CALGARY	AB 403 243 2041	1010	6	8	3.36		3.36
17	0907	WASHINGTON	DC 202 623 3935	1033	7	8	3.85		3.85
18	0907	EDWARDS	CO 303 926 2582	1112	1	8	.63		.63
19	0907	TORONTO	ON 416 865 1153	1148	3	8	1.05		1.05
20	0907	TORONTO	ON 416 865 1153	1218	1	8	.35		.35
21	0907	TORONTO	ON 416 865 9300	1229	3	8	1.05		1.05
22	0907	TORONTO	ON 416 865 1153	1239	1	8	.35		.35
23	0907	TORONTO	ON 416 922 1053	1332	1	8	.35		.35
24	0907	TORONTO	ON 416 591 2849	1334	1	8	.35		.35
25	0907	TORONTO	ON 416 484 7076	1335	1	8	.35		.35
26	0907	VANCOUVER	BC 604 266 0842	1338	1	8	.57		.57
27	0907	VANCOUVER	BC 604 688 2284	1339	8	8	4.56		4.56
28	0907	TORONTO	ON 416 236 1489	1346	15	8	5.25		5.25
29	0907	BOCA RATON	FL 407 368 3431	2128	31	8	19.53	6.84	12.69
30	0908	TORONTO	ON 416 484 7076	0746	5	8	1.75	1.05	.70
31	0908	VICTORIA	BC 604 385 7128	1046	29	8	16.53		16.53
32	0908	WINNIPEG	MB 204 237 2193	1811	19	8	10.45	3.66	6.79
33	0908	CALGARY	AB 403 271 9119	1830	7	8	3.92	1.37	2.55
34	0909	ORNGEVL	ON 519 942 0634	1131	1	8		M .34	
35	0909	UN KINGDOM	44746765212	1227	14	8	17.69		17.69
36	0909	WINNIPEG	MB 204 237 2193	2043	10	8	5.50	1.92	3.58
37	0909	TORONTO	ON 416 787 9490	2105	4	8	1.40	.84	.56
38	0909	TORONTO	ON 416 922 1053	2109	1	8		M .34	
39	0909	TORONTO	ON 416 657 8986	2110	6	8	2.10	1.26	.84
40	0910	TORONTO	ON 416 484 0971	0858	3	8	1.05		1.05
41	0915	QUEENS	NY 718 846 7980	1214	6	8	3.30		3.30
42	0916	UN KINGDOM	44746762721	0943	1	8	1.83		1.83
43	0916	UN KINGDOM	44746762721	1350	24	8	29.89		29.89
44	0918	TORONTO	ON 416 923 8759	1017	3	8	1.05		1.05
45	0918	TORONTO	ON 416 923 8759	1046	3	8	1.05		1.05
46	0918	TORONTO	ON 416 923 8759	1415	6	8	2.10		2.10
47	0825	DIR. ASSISTANCE	721 5050	1022		8		Q .60	

TOTAL CHARGEABLE MESSAGES 434.19
TAX-FED. 47.69
TAX-PROV. 38.55 86.24

THANK YOU FOR USING BELL LONG DISTANCE

THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
(23.14% PER ANNUM)

Bell

See reverse for more information

... 6.3

3.15

0.61

9.76

5.04

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1.63

0.98

0.49

0.78

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**INQUIRIES: BILLING - 321-5468
ORDERS - 599-8161**

PAGE TELEPHONE NUMBER
1 416 865 9300
 LASTCORP INVESTMENTS LTD

DATE
1990 09 07

*** ACCOUNT SUMMARY ***

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - FED.	27.53
TAX - PROV.	42.10
CHARGEABLE MESSAGES	862.69
TAX - FED.	94.64
TAX - PROV.	76.58
DIRECTORY ADVERTISING	171.22
	20.00
TOTAL CURRENT CHARGES	1629.24
= AMOUNT DUE	1629.24

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 09 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0807	BURLINGTON	ON 416 332 0095	0748	14	8	.34	2.60 Z	1.74
2	0807	WASHINGTON	DC 202 473 0721	0939	1	8	.55		.55
3	0807	BURLINGTON	ON 416 336 5041	1008	2	8	.62	Z	.62
4	0807	LEWISTON	NY 716 754 4346	1305	1	8	.33		.33
5	0807	BIRMINGHAM	MI 313 258 1144	1306	1	8	.47		.47
6	0807	FLS CHURCH	VA 703 941 6919	1320	8	8	4.40		4.40—
7	0807	HELENA	MT 406 443 5790	1348	1	8	.63		.63
8	0807	VAL DOR	PQ 819 825 0211	1350	2	8	.98	Z	.98
9	0807	PRESTON	ID 208 852 2890	1401	1	8	.63		.63
10	0807	VANCOUVER	BC 604 685 8730	1405	1	8	.57	Z	.57
11	0807	LADNER	BC 604 946 0776	1406	9	8	5.13	Z	5.13
12	0807	HOPE	BC 604 869 9631	1418	1	8	.57	Z	.57
13	0807	JACKSONVL	FL 904 353 8705	1435	1	8	.61		.61—
14	0807	JACKSONVL	FL 904 353 3681	1436	23	8	14.03		14.03—
15	0807	PRESTON	ID 208 852 2890	1551	3	8	1.89		1.89
16	0807	HELENA	MT 406 443 5790	1555	1	8	.63		.63—

Bell

See reverse for more information

DATE
1990 09 07

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0807	CHILE	5622316629	1559	16	8	32.34		32.34
2	0807	HELENA	MT 406 443 5790	1616	2	8	1.26		1.26
3	0807	ORO	ON 705 487 2565	1152	1	8	.35	Z	.35
4	0808	LAKEFIELD	ON 705 652 3341	1117	4	8	1.44	Z	1.44
5	0808	CARNEGIE	PA 412 787 9680	1123	1	8	.49		.49
6	0808	RICHMOND	BC 604 276 0989	1129	22	8	12.54	Z	12.54
7	0808	UN KINGDOM	44714905558	1155	11	8	14.03	Z	14.03
8	0808	MILFORD BY	ON 705 764 1052	1236	2	8	.74	Z	.74
9	0808	BOLIVIA	5912391624	1541	15	8	44.18		44.18
10	0808	FLS CHURCH	VA 703 941 6919	1601	4	8	2.20		2.20
11	0808	FTSASKAHWN	AB 403 992 5102	1135	6	8	3.42	Z	3.42
12	0808	BOLIVIA	5912391624	1016	1	8	4.28		4.28
13	0808	KELOWNA	BC 604 762 0944	1132	15	8	8.55	Z	8.55
14	0808	COERDALENE	ID 208 769 4100	1355	1	8	.63	Z	.63
15	0808	MONTREAL	PQ 514 844 3017	1625	7	8	2.73	Z	2.73
16	0809	INGERSOLL	ON 519 425 0076	0920	2	8	.74	Z	.74
17	0809	FLS CHURCH	VA 703 941 0189	0935	1	8	.55		.55
18	0809	FLS CHURCH	VA 703 941 6919	0935	7	8	3.85	Z	3.85
19	0809	BARRIE	ON 705 734 2533	1004	5	8	1.75		1.75
20	0809	ENNIS	MT 406 682 7662	1023	3	8	1.89		1.89
21	0809	FLS CHURCH	VA 703 941 6919	1152	4	8	2.20		2.20
22	0809	CHILE	5622316629	1204	21	8	42.14		42.14
23	0809	BOLIVIA	5912391624	1629	3	8	9.98		9.98
24	0809	ORO	ON 705 487 2565	1627	1	8	.35	Z	.35
25	0809	MILFORD BY	ON 705 764 1052	0920	12	8	4.44	Z	4.44
26	0810	CARNEGIE	PA 412 787 9680	0945	1	8	.49		.49
27	0810	TORONTO	ON 416 865 9300	1137	4	3			3.33
		FROM GLEN BRMD &							
28	0810	LAKEFIELD	ON 705 652 3341	0902	3	8	1.08	Z	1.08
29	0810	LAKEFIELD	ON 705 652 3341	0907	1	8	.36	Z	.36
30	0813	BRIGHTON	ON 613 475 1033	0928	1	8	.37	Z	.37
31	0813	MILFORD BY	ON 705 764 1052	1118	5	8	1.85	Z	1.85
32	0813	PRESTON	ID 208 852 2890	1204	3	8	1.89		1.89
33	0813	HELENA	MT 406 443 4118	1208	15	8	9.45		9.45
34	0813	VAL DOR	PQ 819 825 0211	1431	1	8	.49	Z	.49
35	0813	LAKWOOD	CO 303 237 9868	1439	1	8	.63		.63
36	0813	LAKWOOD	CO 303 234 0273	1440	2	8	1.26		1.26
37	0813	HOPE	BC 604 869 9631	1443	2	8	1.14	Z	1.14
38	0813	BOLIVIA	5912391624	1518	1	8	4.28		4.28
39	0813	MONTREAL	PQ 514 727 5386	1603	2	8	.78	Z	.78
40	0813	LAKWOOD	CO 303 234 9020	1610	1	8	.63		.63
41	0813	CHILE	5622316629	1616	2	8	4.90		4.90
42	0813	CHILE	5622238941	1624	13	8	26.46		26.46
43	0813	CHILE	562498513	1643	1	8	2.94		2.94
44	0813	LAKEFIELD	ON 705 652 3341	1436	2	8	.72	Z	.72
45	0813	ORO	ON 705 487 2565	0920	1	8	.35	Z	.35
46	0813	ORO	ON 705 487 2565	1159	4	8	1.40	Z	1.40
47	0813	BOLIVIA	5912378311	1318	1	8	4.28		4.28
48	0813	ORO	ON 705 487 2565	1437	1	8	.35	Z	.35
49	0813	BOLIVIA	5912378311	1448	1	8	4.28		4.28
50	0813	ORO	ON 705 487 2565	1535	1	8	.35	Z	.35
51	0814	NEW YORK	NY 212 490 1356	1107	10	8	5.20	Z	5.20
52	0814	ORO	ON 705 487 2565	1129	5	8	1.75	Z	1.75
53	0814	CHILE	562498513	1157	1	8	2.94		2.94
54	0814	CHILE	562498513	1159	1	8	2.94		2.94
55	0814	MONTREAL	PQ 514 844 3017	1200	1	8	.39	Z	.39
56	0814	ORO	ON 705 487 2565	1447	2	8	.70	Z	.70
57	0814	CHILE	5622049150	1451	8	8	16.66	Z	16.66
58	0814	MILFORD BY	ON 705 764 1052	1521	1	8	.37		.37
59	0814	CHILE	5622316629	1115	4	8	8.82		8.82
60	0814	LAKWOOD	CO 303 234 9020	1133	8	8	5.04		5.04
61	0814	FTSASKAHWN	AB 403 992 5102	1234	10	8	5.70	Z	5.70
62	0815	CHILE	5622238941	1354	7	8	14.70		14.70
63	0815	RENO	NV 702 826 6305	1408	1	8	.63		.63
64	0815	SARASOTA	FL 813 953 4089	1453	1	8	.61		.61
65	0815	BOLIVIA	5912343391	2018	1	8	4.28		4.28
66	0815	BOLIVIA	5912391624	1722	4	8	12.83		12.83
67	0815	ORO	ON 705 487 2565	0932	4	8	1.40	Z	1.40
68	0816	RENO	NV 702 826 6305	1045	10	8	6.30		6.30
69	0816	SARASOTA	FL 813 953 4089	1102	11	8	6.71		6.71

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0816	OTTAWA	ON 613 236 8237	1113	6	8	2.28	Z	2.28
2	0816	CHILE	5622316629	1135	8	8	16.66		16.66
3	0816	PT CARLING	ON 705 765 3826	1213	1	8	.37	Z	.37
4	0816	OTTAWA	ON 613 236 8237	1349	9	8	3.42	Z	3.42
5	0816	CHILE	562710133	1402	2	8	4.90		4.90
6	0816	POMPANO BCH	FL 305 783 9671	1405	2	8	1.22		1.22
7	0816	UN KINGDOM	4448242018	1420	24	8	24.01		24.01—
8	0816	MONTREAL	PQ 514 844 3017	1506	1	8	.39	Z	.39
9	0816	MONTREAL	PQ 514 844 3017	1530	28	8	10.92	Z	10.92
10	0816	ORO	ON 705 487 2565	1648	5	8	1.75	Z	1.75
11	0816	ORO	ON 705 487 2565	1656	1	8	.35	Z	.35
12	0816	ORO	ON 705 487 2565	1142	2	8	.70	Z	.70
13	0816	BOLIVIA	5912378311	0945	1	8	4.28		4.28
14	0816	BOLIVIA	5912378311	1322	1	8	4.28		4.28
15	0820	HAMILTON	ON 416 525 9140	0923	2	8	.62	Z	.62
16	0820	OSHAWA	ON 416 436 7617	1224	6	8	1.86	Z	1.86
17	0820	ORO	ON 705 487 2565	1258	1	8	.35	Z	.35
18	0820	VAL DOR	PQ 819 825 0211	1353	1	8	.49	Z	.49
19	0820	WASHINGTON	DC 202 331 9660	1354	4	8	2.20	Z	2.20
20	0820	CROSSFIELD	AB 403 946 4505	1358	4	8	2.28	Z	2.28
21	0820	CROSSFIELD	AB 403 946 4505	1407	9	8	5.13	Z	5.13
22	0820	CHILE	5622316629	1512	2	8	4.90		4.90
23	0820	ANGELSCAMP	CA 209 728 2035	1515	10	8	6.30		6.30
24	0820	MTPLEASANT	TX 214 572 7364	1558	1	8	.61		.61—
25	0820	CORAOPOLIS	PA 412 262 2681	1602	15	8	7.35		7.35—
26	0820	MONTREAL	PQ 514 727 5386	1617	2	8	.78	Z	.78
27	0820	MONTREAL	PQ 514 381 2161	1619	1	8	.39	Z	.39
28	0820	CORAOPOLIS	PA 412 262 2681	1634	4	8	1.96		1.96—
29	0820	MONTREAL	PQ 514 281 1013	1639	1	8	.39		.39
30	0820	OTTAWA	ON 613 747 8519	2118	2	8	.76		.76
31	0820	ORO	ON 705 487 2565	1124	2	8	.70		.70
32	0820	ORO	ON 705 487 2565	1245	1	8	.35		.35
33	0820	ORO	ON 705 487 2565	1249	1	8	.35		.35
34	0820	ORO	ON 705 487 2565	1259	1	8	.35		.35
35	0820	ORO	ON 705 487 2565	1359	1	8	.35		.35
36	0820	FLS CHURCH	VA 703 941 6919	1514	1	8	.55		.55—
37	0820	FLS CHURCH	VA 703 941 8910	1516	1	8	.55	Z	.55
38	0820	ORO	ON 705 487 2565	1619	1	8	.35		.35
39	0820	CHILE	5622316629	1042	5	8	10.78		10.78
40	0820	ORO	ON 705 487 2565	1052	15	8	5.25	Z	5.25
41	0821	NORTHLVLE	MI 313 349 8887	1345	8	8	3.92		3.92—
42	0821	MONTREAL	PQ 514 281 1013	1411	4	8	1.56	Z	1.56
43	0821	CORAOPOLIS	PA 412 262 2681	1439	5	8	2.45		2.45—
44	0821	ORO	ON 705 487 2565	1557	1	8	.35		.35
45	0821	MILFCRD BY	ON 705 764 1052	0925	11	8	4.07		4.07
46	0821	BURLINGTON	ON 416 332 6692	1026	3	8	.93		.93
47	0821	MILFORD BY	ON 705 764 1052	1037	2	8	.74		.74
48	0821	MONTREAL	PQ 514 281 1013	0945	2	8	.78		.78
49	0822	PRESTON	ID 208 852 2890	1141	4	8	2.52		2.52
50	0822	CALGARY	AB 403 294 4987	1225	2	8	1.14		1.14
51	0822	ST JOVITE	PQ 819 425 2739	1227	1	8	.39		.39
52	0822	CORAOPOLIS	PA 412 262 2681	1244	10	8	4.90		4.90—
53	0822	HAMILTON	MT 406 363 3488	1321	10	8	6.30		6.30—
54	0822	HELENA	MT 406 443 4118	1342	1	8	.63		.63—
55	0822	VANCOUVER	BC 604 685 8730	1351	19	8	10.83	Z	10.83
56	0822	CHILE	5622316629	1414	12	8	24.50		24.50—
57	0822	LAKEFIELD	ON 705 652 3341	1458	3	8	1.08	Z	1.08—
58	0822	MONTREAL	PQ 514 281 1013	1257	2	8	.78	Z	.78
59	0822	MILFORD BY	ON 705 764 1052	1422	2	8	.74	Z	.74
60	0822	MILFORD BY	ON 705 764 1107	1424	1	8	.37	Z	.37
61	0823	HELENA	MT 406 443 4118	1056	6	8	3.78		3.78—
62	0823	NORTH BAY	ON 705 474 8480	1446	2	8	.76		.76—
63	0823	FLS CHURCH	VA 703 941 6919	0929	81	8	44.55		44.55—
64	0823	FLS CHURCH	VA 703 941 8910	0926	2	8	1.10		1.10
65	0823	MILFORD BY	ON 705 764 1052	1058	3	8	1.11		1.11
66	0824	MONTREAL	PQ 514 844 3017	1216	1	8	.39		.39
67	0824	FTSASKAHWN	AB 403 992 5102	1237	6	8	3.42	Z	3.42
68	0828	RAPID CITY	SD 605 342 8731	1112	12	8	7.32		7.32—
69	0828	LEWISTON	NY 716 754 4346	1130	2	8	.66		.66
70	0828	TIMMINS	ON 705 264 1331	1146	2	8	.78	Z	.78

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*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	0828	RENO	NV 702 826 6305	1151	18	8	11.34		11.34
2	0828	LAKEWOOD	CO 303 231 0328	1252	1	8	.63		.63
3	0828	CROSSFIELD	AB 403 946 4505	1254	1	8	.57		.57
4	0828	HAMILTON	MT 406 363 3488	1255	5	8	3.15		3.15
5	0828	WASHINGTON	DC 202 331 9660	1328	12	8	6.60		6.60
6	0828	S S MARIE	ON 705 949 8661	1341	11	8	4.29		4.29
7	0828	HAMILTON	ON 416 527 3071	1401	3	8	.93		.93
8	0828	PELHAM	ON 416 892 6918	1446	1	8	.34		.34
9	0828	CHILE	5622316629	1514	18	8	36.26		36.26
10	0828	RAPID CITY	SD 605 342 8731	1625	1	8	.61		.61
11	0828	CROSSFIELD	AB 403 946 4505	1655	1	8	.57		.57
12	0828	RAPID CITY	SD 605 342 8731	1656	16	8	9.76		9.76
13	0828	LEWISTON	NY 716 754 4346	1211	3	8	.99		.99
14	0828	HELENA	MT 406 443 4118	1315	8	8	5.04		5.04
15	0829	VAL DOR	PQ 819 825 0211	1443	5	8	2.45		2.45
16	0829	PITTSBURGH	PA 412 562 6312	1459	1	8	.49		.49
17	0829	CORAOPOLIS	PA 412 262 2681	1500	21	8	10.29		10.29
18	0829	LAKewood	CO 303 231 0280	1538	1	8	.63		.63
19	0829	RICHMOND	BC 604 276 0989	1542	1	8	.57		.57
20	0829	ORO	ON 705 487 2565	1605	4	8	1.40		1.40
21	0829	CROSSFIELD	AB 403 946 4505	1626	1	8	.57		.57
22	0829	CROSSFIELD	AB 403 946 4505	1642	1	8	.57		.57
23	0829	CROSSFIELD	AB 403 946 4505	1656	4	8	2.28		2.28
24	0829	CORAOPOLIS	PA 412 262 4127	1623	2	8	.98		.98
25	0829	ORO	ON 705 487 2565	1039	2	8	.70		.70
26	0829	ORO	ON 705 487 2565	1211	1	8	.35		.35
27	0829	ORO	ON 705 487 2565	1518	1	8	.35		.35
28	0829	VAL DOR	PQ 819 825 0211	1527	1	8	.49		.49
29	0829	PITTSBURGH	PA 412 562 6000	1600	1	8	.49		.49
30	0829	ORO	ON 705 487 2565	1642	1	8	.35		.35
31	0830	BECANCOUR	PQ 819 294 4500	1005	2	8	1.04		1.04
32	0830	NEW YORK	NY 212 490 1356	1012	2	8	.78		.78
33	0830	CORAOPOLIS	PA 412 262 2681	1110	4	8	1.96		1.96
34	0830	FTSASKAHWN	AB 403 992 5102	1141	7	8	3.99		3.99
35	0830	FLS CHURCH	VA 703 941 6919	1148	13	8	7.15		7.15
36	0830	LAKewood	CO 303 231 0280	1314	1	8	.63		.63
37	0830	MONTREAL	PQ 514 844 3017	1316	12	8	4.68		4.68
38	0830	MONTREAL	PQ 514 281 1013	1502	1	8	.39		.39
39	0830	CHILE	5622316629	1532	11	8	22.54		22.54
40	0830	ORO	ON 705 487 2565	1545	6	8	2.10		2.10
41	0830	MONTREAL	PQ 514 281 1013	1610	2	8	.78		.78
42	0830	QUESNEL	BC 604 992 5575	1210	3	2			3.21
		FROM TORO	ON						2.64
43	0830	HOPE	BC 604 869 5666	1215	2	2			
		FROM TORO	ON						1.73
44	0830	FROM RICHMONBC	604 276 0989	0725	1	4	2.07	.34	.35
45	0830	ORO	ON 705 487 2565	0920	1	8	.35		10.83
46	0830	RICHMOND	BC 604 276 0989	1042	19	8	10.83		1.89
47	0830	LAKewood	CO 303 231 0280	1102	3	8	1.89		.61
48	0830	RAPID CITY	SD 605 342 8731	1106	1	8	.61		.34
49	0904	BURLINGTON	ON 416 332 6692	0756	2	8	7.15		7.15
50	0904	FLS CHURCH	VA 703 941 6919	0949	13	8	.38		.38
51	0904	NORTH BAY	ON 705 474 8480	1404	1	8	.63		.63
52	0904	BUTTE	MT 406 494 7800	1602	1	8	.57		.57
53	0904	HOPE	BC 604 869 5666	1604	1	8	.49		.49
54	0904	CORAOPOLIS	PA 412 262 4127	1633	1	8	.49		.49
55	0904	CORAOPOLIS	PA 412 262 2681	1636	1	8	.49		.34
56	0904	HAMILTON	ON 416 527 3071	1405	1	8	6.27		6.27
57	0905	CALGARY	AB 403 239 2473	1109	11	8	.35		.35
58	0905	ORO	ON 705 487 2565	1120	1	8	.39		.39
59	0905	Montreal	PQ 514 281 1013	1127	1	8	.39		5.50
60	0905	Washington	DC 202 623 3935	1137	10	8	5.50		4.56
61	0905	CALGARY	AB 403 265 4490	1200	8	8	4.56		4.56
62	0905	CALGARY	AB 403 237 0878	1314	8	8	4.56		3.92
63	0905	CORAOPOLIS	PA 412 262 2681	0923	8	8	3.92		.37
64	0905	BRIGHTON	ON 613 475 1033	0957	1	8	.37		.35
65	0906	ORO	ON 705 487 2565	0919	1	8	.35		.35
66	0906	ORO	ON 705 487 2565	1016	1	8	.35		.35

67 0528 DIR. ASSISTANCE

364 0001 1326

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XXX CHARGEABLE MESSAGES XXX

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0605	DIR. ASSISTANCE	869 0913	1158		8		Q .60	
2	0809	DIR. ASSISTANCE	869 3456	1145		8		Q .60	
3	0815	DIR. ASSISTANCE	595 1700	1212		8		Q .60	

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA
SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY 196.60
TAX-FED. 74.66
TAX-PROV. 60.45 SUB-TOTAL OF NON TELEPLUS CANADA CALLS 681.09
SUB-TOTAL INCLUDING TAX 816.20

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED 196.60
MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT 100.00
DISCOUNT FOR CANADA PLAN 15.00
TAX-FED. 19.98
TAX-PROV. 16.13 SUB-TOTAL 181.60
SUB-TOTAL INCLUDING TAX 217.71

TOTAL CHARGEABLE MESSAGES 862.69
TAX-FED. 94.64
TAX-PROV. 76.58 171.22

CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
THANK YOU FOR USING BELL LONG DISTANCE

THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
(23.14% PER ANNUM)

A CUT UNDERGROUND TELEPHONE CABLE MEANS TROUBLE.
GIVE US AT LEAST 48 HOURS NOTICE AND WE'LL SHOW YOU WHERE YOUR
CABLES ARE LOCATED. PLEASE--CALL BEFORE YOU DIG AND BE CAREFUL
WHEN YOU DIG. THE FREE CABLE LOCATING SERVICE NUMBER IS LISTED
IN THE FRONT OF YOUR TELEPHONE BOOK.

Bell

See reverse for more information

1.26 +
0.63 +
3.78 +
25.83 +
0.63 +
3.15 +
0.57 +
8.82 +
15.96 +
0.63 +
0.57 +
1.71 +
7.41 +
2.52 +
3.78 +
0.49 +
0.49 +
0.49 +
0.38 +
2.63 +
0.43 +
2.52 +
0.63 +
83.41 + T

0.0

33.41 X
19. %
15.85 +

0.0

83.41 +
15.85 +
99.26 + T

INQUIRIES: BILLING - 321-5461
ORDERS - 599-8161

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LASTCORP INVESTMENTS LTD

DATE
1990 08 07

*** ACCOUNT SUMMARY ***

SERVICES	272.70
EQUIPMENT RENTALS	235.00
TAX - FED.	27.53
TAX - PROV.	42.10
OTHER CHARGES OR CREDITS	69.63
CHARGEABLE MESSAGES	72.00
TAX - FED.	626.35
TAX - PROV.	68.76
DIRECTORY ADVERTISING	55.61
	124.37
	20.00
TOTAL CURRENT CHARGES	1418.05
= AMOUNT DUE	1418.05

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 08 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

*** OTHER CHARGES OR CREDITS ***

DESCRIPTION	MONTHLY RATE	AMOUNT
ORDER NO R 06056		
07 16 CANCELLATION CHARGE - NON TAXABLE	72.00	
TOTAL OTHER CHARGES OR CREDITS		72.00

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0709	ENNIS	MT 406 682 7662	0928	10	8	6.30		6.30
2	0709	FRANKLIN	ID 208 646 2496	0949	2	8	1.26		1.26

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*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	0709	CHILE	5622316629	1023	7	8	14.70		14.70
2	0710	FRANKLIN	ID 208 646 2496	0936	1	8	.63		.63
3	0710	FRANKLIN	ID 208 646 2496	0937	6	8	3.78		3.78
4	0710	OTTAWA	ON 613 954 3218	1020	2	8	.76	Z	.76
5	0710	OTTAWA	ON 613 954 3218	1107	3	8	1.14	Z	1.14
6	0710	BURLINGTON	ON 416 632 2964	1134	1	8		MZ	.34
7	0710	WASHINGTON	DC 202 944 5860	1405	5	8	2.75		2.75
8	0710	ORO	ON 705 487 2565	0935	2	8	.70	Z	.70
9	0710	ENNIS	MT 406 682 7662	1507	8	8	5.04	Z	5.04
10	0710	LADNER	BC 604 946 0217	1652	1	8	.57	Z	.57
11	0710	MILFORD BY	ON 705 764 1052	1328	16	8	5.92		5.92
12	0711	WASHINGTON	DC 202 944 5860	0953	5	8	2.75		2.75
13	0711	PRESTON	ID 208 852 2890	1044	2	8	1.26		1.26
14	0711	HELENA	MT 406 443 4118	1046	41	8	25.83		25.83
15	0711	MONTREAL	PQ 514 844 9580	1129	35	8	13.65	Z	13.65
16	0711	COERDALENE	ID 208 769 4100	1322	15	8	9.45		9.45
17	0711	CALEDON E	ON 416 584 2750	1627	12	8	3.12	Z	3.12
18	0711	WASHINGTON	DC 202 944 5800	1016	1	8	.55		.55
19	0711	COERDALENE	ID 208 769 4100	1612	1	8	.63		.63
20	0711	HELENA	MT 406 443 4118	1445	1	8	.63		.63
21	0712	HAMILTON	ON 416 527 3071	1627	1	8		MZ	.34
22	0712	HAMILTON	MT 406 363 3488	1630	1	8	.63		.63
23	0712	HELENA	MT 406 443 4118	1643	5	8	3.15		3.15
24	0712	CHILE	5622316629	1648	9	8	18.62		18.62
25	0712	BOLIVIA	5912377724	1630	6	8	18.53		18.53
26	0712	BOLIVIA	5912391624	1555	1	8	4.28		4.28
27	0716	RENO	NV 702 826 6305	1049	15	8	9.45		9.45
28	0716	KINMOUNT	ON 705 488 2377	1116	1	8	.37	Z	.37
29	0716	HAMILTON	ON 416 387 0810	1131	3	8	.93	Z	.93
30	0716	HAMILTON	MT 406 363 3488	1212	25	8	15.75		15.75
31	0716	PRESTON	ID 208 852 2890	1328	15	8	9.45		9.45
32	0716	VANCOUVER	BC 604 688 0685	1426	12	8	6.84	Z	6.84
33	0716	LAKWOOD	CO 303 234 9020	1500	3	8	1.89		1.89
34	0716	CHILE	5622316629	1553	16	8	32.34		32.34
35	0717	CHICAGO	IL 312 633 0254	1048	1	8	.57		.57
36	0717	ORO	ON 705 487 2565	1449	16	8	5.60	Z	5.60
37	0717	OWEN SOUND	ON 519 371 3031	1624	2	8	.74	Z	.74
38	0717	MISSOULA	MT 406 721 8550	1104	1	8	.63		.63
39	0717	NEW YORK	NY 212 490 1356	1050	1	8	.52		.52
40	0718	OWEN SOUND	ON 519 371 3031	0909	4	8	1.48	Z	1.48
41	0718	OWEN SOUND	ON 519 371 3031	1021	4	8	1.48	MZ	.34
42	0718	HAMILTON	ON 416 527 3071	1119	1	8			
43	0718	MILFORD BY	ON 705 764 1052	1155	30	8	11.10	Z	11.10
44	0718	HAMILTON	ON 416 527 3071	1635	3	8	.93	Z	.93
45	0718	CALGARY	AB 403 269 3002	1519	1	8	.57	Z	.57
46	0718	HAMILTON	ON 416 527 3071	1221	2	8	.62	Z	.62
47	0719	KINGSTON	ON 613 546 3811	1052	1	8	.38	Z	.38
48	0719	SAN FRAN	CA 415 567 0311	1153	8	8	5.04		5.04
49	0719	KELOHNA	BC 604 762 0944	1205	16	8	9.12	Z	9.12
50	0719	FTSASKAHWN	AB 403 992 5102	1352	3	8	1.71	Z	1.71
51	0719	SARASOTA	FL 813 349 1004	1405	1	8	.61		.61
52	0719	SARASOTA	FL 813 953 4089	1406	11	8	6.71		6.71
53	0719	BOLIVIA	5912377724	1425	1	8	4.28		4.28
54	0719	BOLIVIA	5912357238	1427	1	8	4.28		4.28
55	0719	BOLIVIA	5912328982	1431	1	8	4.28		4.28
56	0719	PRESTON	ID 208 852 2890	1437	1	8	.63		.63
57	0719	RAPID CITY	SD 605 342 8731	1450	1	8	.61		.61
58	0719	HAMILTON	MT 406 363 3488	1551	17	8	10.71	Z	10.71
59	0719	FTSASKAHWN	AB 403 992 5102	1611	4	8	2.28		2.28
60	0719	HELENA	MT 406 443 5790	1624	14	8	8.82		8.82
61	0719	BOLIVIA	5912391624	1639	15	8	44.18		44.18
62	0719	FROM RICHMONBC	604 276 0989	0830	14	4			9.48
63	0719	VANCOUVER	BC 604 688 3687	1204	1	8	.57	Z	.57
64	0719	CALGARY	AB 403 289 9377	1205	1	8	.57	Z	.57
65	0719	WISDOM	MT 406 689 3243	1614	7	8	4.41		4.41
66	0720	RAPID CITY	SD 605 342 8731	0936	26	8	15.86		15.86
67	0720	WISDOM	MT 406 689 3243	1003	10	8	6.30		6.30
68	0720	FRANKLIN	ID 208 646 2496	1025	1	8	.63		.63
69	0720	PRESTON	ID 208 852 2890	1038	18	8	11.34		11.34
70	0720	CHILE	5622316629	1103	1	8	2.94		2.94

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0720	MONTREAL	PQ 514 844 3017	1104	15	8	5.85	Z	5.85
2	0720	LAKEWOOD	CO 303 234 9020	1120	1	8	.63		.63
3	0720	CHILE	5622316629	1143	16	8	32.34		32.34
4	0723	CHICAGO	IL 312 649 1816	1016	1	8	.57		.57
5	0723	CHICAGO	IL 312 649 1948	1016	3	8	1.71		1.71
6	0723	HAMILTON	ON 416 527 3071	1037	2	8	.62	Z	.62
7	0723	CALGARY	AB 403 243 2041	1050	13	8	7.41	Z	7.41
8	0723	CALGARY	AB 403 264 8207	1103	3	8	1.71	Z	1.71
9	0723	FTSASKAHWN	AB 403 992 5102	1148	16	8	9.12	Z	9.12
10	0723	HOPE	BC 604 869 9631	1204	1	8	.57	Z	.57
11	0723	ANGELSCAMP	CA 209 728 2035	1220	20	8	12.60		12.60
12	0723	VANCOUVER	BC 604 688 3687	1327	4	8	2.28	Z	2.28
13	0723	SARASOTA	FL 813 953 4089	1331	4	8	2.44		2.44
14	0723	ORO	ON 705 487 2565	1339	3	8	1.05	Z	1.05
15	0723	HELENA	MT 406 443 5790	1533	1	8	2.52	Z	2.52
16	0723	CALGARY	AB 403 237 0878	1546	6	8	.57		.57
17	0723	LAKEWOOD	CO 303 234 9020	1633	8	8	3.78		3.78
18	0723	PRESTON	ID 208 852 2890	1640	8	8	5.04		5.04
19	0723	BOLIVIA	5912391624	1106	7	8	21.38		21.38
20	0723	CARNEGIE	PA 412 787 9680	1337	1	8	.49	Z	1.24
21	0724	BURLINGTON	ON 416 332 6692	0832	4	8	10.83	Z	10.83
22	0724	CALGARY	AB 403 237 0878	1110	19	8	3.51	Z	3.51
23	0724	MONTREAL	PQ 514 844 3017	1137	9	8	1.40	Z	1.40
24	0724	ORO	ON 705 487 2565	1248	4	8	2.17	Z	2.17
25	0724	HAMILTON	ON 416 527 3071	1457	7	8	.36		.36
26	0724	COBOCONK	ON 705 454 2388	1509	1	8	.36	Z	.36
27	0724	CREEMORE	ON 705 466 2377	1511	1	8	.57	Z	.57
28	0724	EDMONTON	AB 403 428 0871	1604	1	8	.57	Z	.57
29	0724	EDMONTON	AB 403 455 4312	1605	1	8	.57		6.93
30	0724	NORTH DADE	FL 305 937 2498	1616	11	8	6.93		.49
31	0724	CORAOPOLIS	PA 412 262 2681	1636	1	8	.49		2.44
32	0724	JACKSONVL	FL 904 724 3410	1637	4	8	2.44		3.78
33	0724	ANGELSCAMP	CA 209 728 2035	1642	6	8	1.89		1.89
34	0724	PRESTON	ID 208 852 2890	1648	3	8	.49	Z	.49
35	0724	VAL DOR	PQ 819 825 0211	1421	1	8	.49	Z	.49
36	0724	VAL DOR	PQ 819 825 0211	1500	1	8	.49		.49
37	0724	PITTSBURGH	PA 412 562 6001	1348	1	8	.62	Z	.62
38	0724	BURLINGTON	ON 416 332 6692	1555	2	8	.37	Z	.37
39	0724	KINMOUNT	ON 705 488 2377	1618	1	8	.63		.63
40	0724	PRESTON	ID 208 852 2890	1623	1	8	.63		1.83
41	0724	SARASOTA	FL 813 953 4089	1632	3	8	1.83		8.84
42	0725	NEW YORK	NY 212 490 1356	0926	17	8	8.84	Z	3.42
43	0725	FTSASKAHWN	AB 403 992 5102	1100	6	8	3.42	Z	.57
44	0725	FTSASKAHWN	AB 403 992 5102	1126	1	8	.57		.63
45	0725	COERDALENE	ID 208 769 4100	1154	1	8	.63	Z	.37
46	0725	MILFORD BY	ON 705 764 1052	1351	1	8	.37		4.12
47	0725	FROM BRABDG	ON &	1459	1	P4			3.23
48	0725	FROM GRVHST	ON &	1522	4	4			2.80
49	0725	FROM BARRIE	ON &	1603	3	4		Z	.38
50	0725	SUDBURY	ON 705 682 0649	1016	1	8	.38		.63
51	0725	LAKEWOOD	CO 303 234 0273	1201	1	8	.63	Z	1.11
52	0725	MILFORD BY	ON 705 764 1052	1554	3	8	1.11		.37
53	0725	MILFORD BY	ON 705 764 8919	1725	1	8	.37		7.13
54	0726	BOLIVIA	5912391624	1027	2	8	7.13		7.13
55	0726	WASHINGTON	DC 202 473 0650	1036	2	8	1.10		1.10
56	0726	WASHINGTON	DC 202 623 3933	1039	8	8	4.40		4.40
57	0726	WASHINGTON	DC 202 623 3935	1100	17	8	9.35		9.35
58	0726	CHILE	5622316629	1117	7	8	14.70		14.70
59	0726	LAKEWOOD	CO 303 234 0273	1124	1	8	.63		.63
60	0726	LAKEWOOD	CO 303 234 0273	1154	4	8	2.52		2.52
61	0726	CALGARY	AB 403 265 4490	1425	1	8	.57	Z	.57
62	0727	ORO	ON 705 487 2565	2224	2	3	1.95	.24	1.71
	FROM TORO	ON &							
63	0727	BOLIVIA	5912391624	1125	2	8	7.13		7.13
64	0727	LAKEWOOD	CO 303 234 9020	1219	1	8	.63	Z	.35
65	0727	ORO	ON 705 487 2565	1511	1	8	.35		
66	0801	ORO	ON 705 487 2565	2136	3	3	2.90	.58	2.32
	FROM HASH	DC							

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*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>		<u>NUMBER</u>		<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	0802	ORO FROM WASH	ON DC	705 487 2565		0913		2	3		2.35
2	0717	DIR. ASSISTANCE		362 3216	1049			8		Q	.60
3	0724	DIR. ASSISTANCE		340 7620	1504			8		Q	.60

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA	
SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY	131.47
TAX-FED. 55.95	
TAX-PROV. 45.27	
SUB-TOTAL OF NON TELEPLUS CANADA CALLS	509.88
SUB-TOTAL INCLUDING TAX	611.10

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED	131.47
MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT	100.00
DISCOUNT FOR CANADA PLAN	15.00
TAX-FED.	12.81
TAX-PROV.	10.34
SUB-TOTAL	116.47
SUB-TOTAL INCLUDING TAX	139.62

TOTAL CHARGEABLE MESSAGES	626.35
TAX-FED.	68.76
TAX-PROV.	124.37

CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
THANK YOU FOR USING BELL LONG DISTANCE

THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
(23.14% PER ANNUM)

THE CALL-ME CARD (TM) ALLOWS FRIENDS AND FAMILY THE OPPORTUNITY TO CALL YOU LONG DISTANCE WITHOUT INCURRING THE CHARGES. CALLS ARE BILLED TO ONE NUMBER ONLY, YOURS. CALL TOLL-FREE 1 800 668-BELL.

165.00 +
3.69 -
0.38 -
10.71 +
5.63 +
1.08 +
7.56 +
1.89 +
1.19 +
0.63 +
0.63 +
0.43 +
0.49 +
0.78 +
0.49 +
0.49 +
0.33 +
2.85 +
0.98 +

165.00 + T

0.0

165.00 X
19.00 X
31.35 +

0.0

165.00 +
31.35 +
196.35 + T

INQUIRIES: BILLING - 321-5468
ORDERS - 599-8161

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LASTCORP INVESTMENTS LTD

DATE
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*** ACCOUNT SUMMARY ***

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - FED.	27.53
TAX - PROV.	42.10 69.63
CHARGEABLE MESSAGES	739.14
TAX - FED.	81.30
TAX - PROV.	65.64 146.94
DIRECTORY ADVERTISING	20.00
TOTAL CURRENT CHARGES	1481.41
= AMOUNT DUE	1481.41

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 07 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0508	TORONTO	ON 416 969 8469	1201	1	7			1.63
		FROM MIAMI	FL &						
2	0508	TORONTO	ON 416 969 8469	1313	10	7			7.30
		FROM MIAMI	FL &						
3	0528	FROM CHILE	5622330936	1500	3	P4			11.76
4	0605	FROM RICHMONBC	604 276 0989	0747	1	4	2.07	.34	1.73
5	0607	BARRIE	ON 705 734 2533	0931	3	8	1.05		Z 1.05
6	0607	RIDGETOWN	ON 519 674 0233	1046	10	8	3.80		Z 3.80
7	0607	CALGARY	AB 403 292 0340	1058	1	8	.57		Z .57
8	0607	CHICAGO	IL 312 248 6228	1302	1	8	.57		.57
9	0607	CHICAGO	IL 312 248 6228	1318	2	8	1.14		1.14
10	0607	MONTREAL	PQ 514 861 0583	0842	1	8	.39		Z .39
11	0607	MONTREAL	PQ 514 861 0583	0906	4	8	1.56		Z 1.56
12	0607	INGERSOLL	ON 519 425 0076	1409	4	8	1.48		Z 1.48
13	0608	MILFORD BY	ON 705 764 1052	1036	4	8	1.48		Z 1.48
14	0608	NEW YORK	NY 212 856 4200	1121	2	8	1.04		1.04

Bell

See reverse for more information

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0608	HAMILTON	ON 416 527 3071	1037	2	8	.62	Z	.62
2	0611	CALGARY	AB 403 294 4987	1137	1	8	.57	Z	.57
3	0611	ANGELSCAMP	CA 209 728 2035	1221	16	8	10.08		10.08
4	0611	PRESTON	ID 208 852 2890	1432	1	8	.63		.63
5	0611	VANCOUVER	BC 604 688 9495	1434	1	8	.57	Z	.57
6	0611	COTTONWOOD	UT 801 942 0924	1436	1	8	.63		.63
7	0611	RENO	NV 702 829 1150	1456	2	8	1.26		1.26
8	0611	BRIGHTON	ON 613 475 1666	1527	4	8	1.48	Z	1.48
9	0611	RICHMOND	BC 604 276 0989	1631	3	8	1.71	Z	1.71
10	0611	VANCOUVER	BC 604 682 7082	1643	1	8	.57	Z	.57
11	0611	VANCOUVER	BC 604 688 9495	1539	1	8	.57	Z	.57
12	0611	HAMILTON	ON 416 527 3071	1157	1	8	MZ .34	MZ .34	
13	0611	RENO	NV 702 826 6305	1204	16	8	10.08		10.08
14	0612	NO PHOENIX	AZ 602 866 0085	1012	8	8	5.04	Z	5.04
15	0612	RICHMOND	BC 604 276 0989	1129	2	8	1.14		1.14
16	0612	CHILE	5622316629	1133	11	8	22.54		22.54
17	0612	LAKWOOD	CO 303 234 0273	1145	20	8	12.60		12.60
18	0612	PRESTON	ID 208 852 2890	1335	3	8	1.89		1.89
19	0612	FERNLEY	NV 702 575 4612	1427	3	8	1.89	Z	1.89
20	0612	BURLINGTON	ON 416 335 8330	1128	2	8	.62	Z	.62
21	0612	COTTONWOOD	UT 801 944 1058	1116	18	8	11.34		11.34
22	0612	VANCOUVER	BC 604 688 9495	1135	1	8	.57	Z	.57
23	0612	NEW YORK	NY 212 490 1356	1336	2	8	1.04	Z	1.04
24	0612	VANCOUVER	BC 604 682 7082	1340	2	8	1.14	Z	1.14
25	0612	BRANTFORD	ON 519 756 0250	1345	18	8	6.30	Z	6.30
26	0613	NEW YORK	NY 212 490 1356	0951	11	8	5.72		5.72
27	0613	PRESTON	ID 208 852 2890	1054	1	8	.63		.63
28	0613	LAKWOOD	CO 303 234 9020	1112	1	8	.63	Z	1.12
29	0613	BAIE VERTE	NF 709 532 4251	1205	2	8	1.12	Z	1.12
30	0613	HAMILTON	ON 416 527 3071	1208	1	8	MZ .34	MZ .34	
31	0613	CALGARY	AB 403 292 0344	1309	14	8	7.98	Z	7.98
32	0613	RENO	NV 702 829 1150	1340	2	8	1.26	Z	1.26
33	0613	ORO	ON 705 487 2565	1417	3	8	1.05	Z	1.05
34	0613	CHILE	5622316629	1652	6	8	12.74		12.74
35	0613	FROM CHILE	5622330936	1600	3	P4			11.76
36	0613	CALGARY	AB 403 294 4987	1444	1	8	.57	Z	.57
37	0613	BOLIVIA	5912391624	1736	2	8	7.13		7.13
38	0613	LAKWOOD	CO 303 237 9868	1345	1	8	.63		.63
39	0613	LAKWOOD	CO 303 234 0273	1345	3	8	1.89		1.89
40	0614	LAKWOOD	CO 303 234 0273	1111	4	8	2.52		2.52
41	0614	PRESTON	ID 208 852 2890	1436	8	8	5.04		5.04
42	0614	CHILE	5622238941	1606	18	8	36.26		36.26
43	0614	CORAOPOLIS	PA 412 262 2681	1628	3	8	1.47		1.47
44	0614	CLEVELAND	OH 216 621 5200	1621	1	8	.47		.47
45	0614	CLEVELAND	OH 216 941 9706	1623	2	8	.94		.94
46	0614	HAMILTON	ON 416 527 3071	0942	3	8	.93	Z	.93
47	0614	MONTREAL	PQ 514 844 3017	1011	4	8	1.56	Z	1.56
48	0614	BARRIE	ON 705 728 2431	1442	2	8	.70	Z	.70
49	0614	NEW YORK	NY 212 490 1356	1607	1	8	.52		.52
50	0618	UN KINGDOM	44714905558	1007	21	8	26.23		26.23
51	0618	OSHAWA	ON 416 436 7617	1028	3	8	.93	Z	.93
52	0618	LAKWOOD	CO 303 234 0273	1038	2	8	1.26	Z	1.26
53	0618	ORO	ON 705 487 2565	1316	6	8	2.10	Z	2.10
54	0618	VANCOUVER	BC 604 254 9022	1416	1	8	.57	Z	.57
55	0618	DRNGEVL	ON 519 942 2388	1500	2	8	.68	Z	.68
56	0618	LAKWOOD	CO 303 234 0273	1525	2	8	1.26		1.26
57	0618	LAKWOOD	CO 303 234 0273	1626	3	8	1.89		1.89
58	0618	ANGELSCAMP	CA 209 728 3436	1630	1	8	.63		.63
59	0618	ANGELSCAMP	CA 209 728 2035	1631	30	8	18.90		18.90
60	0618	ORO	ON 705 487 2565	1820	3	7	2.05	.37	1.68
61	0618	FROM TORO	ON						
62	0618	ORO	ON 705 487 2565	0940	15	8	5.25	Z	5.25
63	0618	CLEVELAND	OH 216 621 5200	1400	1	8	.47		.47
64	0618	ANGELSCAMP	CA 209 728 2035	1147	16	8	10.08		10.08
65	0618	ORO	ON 705 487 2565	1226	1	8	.35	Z	.35
66	0618	SUDBURY	ON 705 522 3000	1243	1	8	.38	Z	.38
67	0618	STRATFORD	ON 519 271 4040	1452	1	8	.37	Z	.37
68	0619	KNOHLTON	PQ 514 243 6339	1500	16	8	6.24	Z	6.24
69	0619	LONDON	ON 519 434 6088	0912	1	8	.37	Z	.37
		LONDON	ON 519 434 6088	0944	3	8	1.11	Z	1.11

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3 416 865 9300

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0619	CHICAGO	IL 312 819 0614	1001	2	8	1.14		1.14
2	0619	ORO	ON 705 487 2565	1205	6	8	2.10	Z	2.10
3	0619	LAKEWOOD	CO 303 234 0273	1412	3	8	1.89		1.89
4	0619	VANCOUVER	BC 604 685 0380	1424	12	8	6.84	Z	6.84
5	0619	LAKEWOOD	CO 303 234 0273	1449	5	8	3.15		3.15
6	0619	RENO	NV 702 826 6305	1455	1	8	.63		.63
7	0619	PRESTON	ID 208 852 2890	1643	1	8	.63		.63
8	0619	CORAOPOLIS	PA 412 262 2681	1646	9	8	4.41		4.41
9	0619	BOLIVIA	5912391624	1040	1	8	4.28		4.28
10	0619	SUDBURY	ON 705 522 3000	1429	1	8	.38	Z	.38
11	0620	SUDBURY	ON 705 522 3000	0924	1	8	.38	Z	.38
12	0620	SUDBURY	ON 705 522 3000	0934	1	8	.38	Z	.38
13	0620	LAKEFIELD	ON 705 652 3341	0946	5	8	1.80	Z	1.80
14	0620	RENO	NV 702 826 6305	1132	21	8	13.23		13.23
15	0620	CHILE	5622743590	1159	32	8	63.70	Z	63.70
16	0620	ORO	ON 705 487 2565	1255	1	8	.57	Z	.57
17	0620	RICHMOND	BC 604 276 0989	1436	1	8	.57	Z	.57
18	0620	CHILE	5622316629	1557	12	8	24.50		24.50
19	0620	DRAGONLAKE	BC 604 747 3557	1159	1	8	.57	Z	.57
20	0620	HOPE	BC 604 869 9631	1202	1	8	.57	Z	.57
21	0620	TIMMINS	ON 705 264 1285	1508	1	8	.39	Z	.39
22	0620	ORANGEVL	ON 519 941 4880	1609	1	8	.34	Z	.34
23	0620	SUDBURY	ON 705 522 3000	1145	1	8	.38	Z	.38
24	0620	RIDGETOWN	ON 519 674 0233	1206	8	8	3.04	Z	3.04
25	0621	NEW YORK	NY 212 490 1356	0951	2	8	1.04		1.04
26	0621	LAKEWOOD	CO 303 234 0273	1346	4	8	2.52		2.52
27	0621	HAMILTON	ON 416 527 3071	1459	4	8	1.24	Z	1.24
28	0621	LAKEWOOD	CO 303 234 0273	1611	10	8	6.30		6.30
29	0621	CHILE	5622316629	1622	14	8	28.42		28.42
30	0621	FERNLEY	NV 702 575 4702	1000	4	8	2.52		2.52
31	0621	BOLIVIA	5912377724	1547	1	8	4.28		4.28
32	0621	NORTHBROOK	IL 708 498 0992	0903	1	8	.57	Z	.57
33	0621	ORANGEVL	ON 519 941 4880	0904	4	8	1.36	Z	1.36
34	0621	NORTHBROOK	IL 708 498 0992	0946	5	8	2.85		2.85
35	0625	LAS VEGAS	NV 702 369 4083	1119	15	8	9.45		9.45
36	0625	GANGES	BC 604 537 9479	1231	3	8	1.71	Z	1.71
37	0625	RENO	NV 702 829 1150	1235	3	8	1.89	Z	1.89
38	0625	GANGES	BC 604 537 9479	1307	10	8	5.70	Z	5.70
39	0625	LAKEWOOD	CO 303 234 0273	1318	2	8	1.26	Z	1.26
40	0625	ROCKWOOD	ON 519 856 4156	1324	9	8	2.79	Z	2.79
41	0625	GANGES	BC 604 537 9479	1408	1	8	.57	Z	.57
42	0625	ROCHESTER	NY 716 621 4210	1425	6	8	2.40	Z	2.40
43	0625	OTTAWA	ON 613 995 3065	1441	4	8	1.52	Z	1.52
44	0625	RICHMOND	BC 604 276 0989	1530	11	8	6.27	Z	6.27
45	0625	LADNER	BC 604 946 0217	1541	6	8	3.42	MZ	3.42
46	0625	HAMILTON	ON 416 527 3071	1436	1	8	8.82		8.82
47	0626	LAKEWOOD	CO 303 234 9020	1351	14	8	3.42	Z	3.42
48	0626	EDMONTON	AB 403 455 4312	1411	6	8	.57		.57
49	0626	CALGARY	AB 403 292 0340	1421	1	8	.57		.57
50	0626	CALGARY	AB 403 237 0878	1422	1	8	3.60	Z	3.60
51	0626	LAKEFIELD	ON 705 652 3341	1536	10	8	.34	MZ	.34
52	0626	HAMILTON	ON 416 527 3071	1548	1	8	.38	Z	.38
53	0626	SUDBURY	ON 705 522 3000	1549	1	8	1.26		1.26
54	0626	PRESTON	ID 208 852 2890	1609	2	8	10.71		10.71
55	0626	GLENDALE	AZ 602 979 4119	1643	17	8	.57	Z	.57
56	0626	VANCOUVER	BC 604 689 7842	1418	1	8	2.85	Z	2.85
57	0626	VANCOUVER	BC 604 661 9480	1420	5	8	.39	Z	.39
58	0626	MONTREAL	PQ 514 844 3017	1421	1	8	.34	MZ	.34
59	0627	HAMILTON	ON 416 527 3071	1028	1	8	2.10	Z	2.10
60	0627	LINDSAY	ON 705 324 6121	1114	6	8	.63		.63
61	0627	LAKEWOOD	CO 303 234 0273	1146	1	8	1.08	Z	1.08
62	0627	LAKEFIELD	ON 705 652 3341	1146	3	8	.39		.39
63	0627	S S MARIE	ON 705 942 1327	1339	1	8	.38	Z	.38
64	0627	OTTAWA	ON 613 232 1715	1442	1	8	7.56	Z	7.56
65	0627	LAKEFIELD	ON 705 652 3341	1447	21	8	1.89		1.89
66	0627	BAGDAD	AZ 602 633 2241	1526	3	8	32.34		32.34
67	0627	CHILE	5622316629	1629	16	8	4.90		4.90
68	0627	CHILE	5622316629	1655	2	8	.63		.63
69	0627	PRESTON	ID 208 852 2890	1011	1	8	.57	Z	.57
70	0627	VANCOUVER	BC 604 688 9495	1447	1	8			

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0627	LAKEWOOD	CO 303 234 0273	1541	3	8	1.89		1.89—
2	0627	LAKEWOOD	CO 303 234 0273	1643	1	8	.63		.63—
3	0627	LAKEWOOD	CO 303 234 0273	1646	1	8	.63		.63—
4	0627	MONTREAL	PQ 514 844 3017	1058	15	8	5.85	Z	5.85
5	0627	LAKEWOOD	CO 303 234 9020	1140	1	8	.63		.63—
6	0627	CARNEGIE	PA 412 787 9680	1148	1	8	.49		.49—
7	0628	TIMMINS	ON 705 267 1141	1015	2	8	.78	Z	.78—
8	0628	HAMILTON	ON 416 527 3071	1102	4	8	1.24	Z	1.24
9	0629	MILFORD BY	ON 705 764 1052	1004	5	8	1.85	Z	1.85
10	0703	WHISTLER	BC 604 932 3434	1216	2	8	1.14	Z	1.14
11	0703	ORO	ON 705 487 2565	1514	2	8	.70	Z	.70
12	0703	ORO	ON 705 487 2565	1415	1	8	.35	Z	.35
13	0703	MILFORD BY	ON 705 764 1052	1121	7	8	2.59	Z	2.59
14	0703	WHISTLER	BC 604 932 3434	1129	1	8	.57	Z	.57
15	0704	FRANKLIN	ID 208 646 2496	0919	7	8	4.41		4.41
16	0704	CALEDON E	ON 416 584 2750	1046	2	8	.52		.52
17	0704	ORO	ON 705 487 2565	1513	1	8	.35	Z	.35
18	0704	CHILE	5622316629	1605	7	8	14.70		14.70
19	0704	ORO	ON 705 487 2565	1644	1	8	.35	Z	.35
20	0704	BOLIVIA	5912391624	1707	10	8	29.93		29.93
21	0704	BOLIVIA	5912391624	1205	1	8	4.28		4.28
22	0704	ORO	ON 705 487 2565	1149	1	8	.35	Z	.35
23	0704	MILFORD BY	ON 705 764 1052	1200	11	8	4.07	Z	4.07
24	0704	ORO	ON 705 487 2565	1606	1	8	.35	Z	.35
25	0705	CHILE	5622316629	0910	16	8	32.34		32.34
26	0705	PRESTON	ID 208 852 2890	1102	8	8	5.04		5.04
27	0705	HAMILTON	ON 416 527 3071	1147	1	8		MZ	.34
28	0705	CHICAGO	IL 312 951 1011	1223	6	8	3.42		3.42
29	0705	OTTAWA	ON 613 995 9481	1458	5	8	1.90	Z	1.90
30	0705	PITTSBURGH	PA 412 562 6001	1511	1	8	.49		.49—
31	0705	PITTSBURGH	PA 412 562 6001	1525	1	8	.49		.49—
32	0705	PITTSBURGH	PA 412 562 6001	1538	1	8	.49		.49—
33	0705	LEWISTON	NY 716 754 4346	1614	1	8	.33		.33—
34	0705	OTTAWA	ON 613 995 9481	1515	2	8	.76	Z	.76
35	0705	CHICAGO	IL 312 951 1011	1221	5	8	2.85		2.85—
36	0705	MILFORD BY	ON 705 764 1052	1244	1	8	.37	Z	.37
37	0706	PITTSBURGH	PA 412 562 6001	1135	2	8	.98		.98—

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA
SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY

151.68

TAX-FED. 66.27

TAX-PROV. 53.50

SUB-TOTAL OF NON TELEPLUS CANADA CALLS 602.46
SUB-TOTAL INCLUDING TAX 722.23

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED 151.68
MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT 100.00
DISCOUNT FOR CANADA PLAN 15.00TAX-FED. 15.03
TAX-PROV. 12.14SUB-TOTAL 136.68
SUB-TOTAL INCLUDING TAX 163.85TOTAL CHARGEABLE MESSAGES 739.14
TAX-FED. 81.30
TAX-PROV. 65.64 146.94CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
THANK YOU FOR USING BELL LONG DISTANCETHE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
(23.14% PER ANNUM)

6.27 +
9.12 +
1.56 +
0.37 +
2.63 +
6.04 +
9.56 +
12.55 +
2.73 +
1.11 +
1.89 +
2.28 +
156.24 +T

O.C

156.24 X
19. +
29.69 +

O.C

156.24 +
29.69 +
135.93 +T

INQUIRIES: BILLING - 321-54
ORDERS - 599-81

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LASTCORP INVESTMENTS LTD

DATE
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* * * ACCOUNT SUMMARY * * *

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - FED.	27.53
TAX - PROV.	42.10
OTHER CHARGES OR CREDITS	69.63
CHARGEABLE MESSAGES	1.87 ^a
TAX - FED.	868.36
TAX - PROV.	95.52
DIRECTORY ADVERTISING	76.79
	172.31
	20.00
TOTAL CURRENT CHARGES	<u>1634.13</u>
= AMOUNT DUE	1634.13

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 06 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

* * * OTHER CHARGES OR CREDITS * * *

DESCRIPTION	MONTHLY RATE	AMOUNT
ORDER NO 99902		
EQUAL SHARE OF UNCLAIMED BALANCE OF THE ONE TIME CREDIT FROM CRTC DECISION OF OCTOBER 14, 1986	1.87 ^a	<u>1.87^a</u>
TOTAL OTHER CHARGES OR CREDITS		1.87^a

* * * CHARGEABLE MESSAGES * * *

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0424	FROM CHILE	5622333154	1600	3	PG			11.76 ^b

Bell

See reverse for more information

O Bellair Project
— Delair Project

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0502	CALGARY FROM MIAMI	AB 403 268 8578 &	1144	4	3			x 3.52
2	0502	TORONTO FROM MIAMI	ON 416 865 9300 &	1150	3	7			2.89
3	0507	OTTAWA	ON 613 234 5396	1031	3	8	1.14	Z 1.14	
4	0507	CHILE	5683224710	0837	3	8	6.86	6.86	
5	0507	CHILE	5683224710	0846	1	8	2.94	2.94	
6	0507	BRAZIL	55212332612	0851	2	8	4.90	4.90	
7	0507	MONTREAL	PQ 514 844 3017	0906	1	8	.39	Z .39	
8	0507	OTTAWA	ON 613 560 7000	1029	1	8	.38	Z .38	
9	0508	TORONTO	ON 416 969 8469	1608	5	3			4.10
		FROM CHICAGO	IL &					MZ .34	
10	0508	BURLINGTON	ON 416 332 6692	0752	1	8	3.12	3.12	
11	0508	LANGHORNE	PA 215 741 1855	1219	6	8	.37	Z .37	
12	0508	LONDON	ON 519 472 0565	1315	1	8	.62	Z 62	
13	0508	BURLINGTON	ON 416 335 8330	1505	2	8	9.98	9.98	
14	0508	BOLIVIA	5912391624	0927	3	8	.63	63	
15	0508	LAGUNA BCH	CA 714 497 7597	0917	1	8	7.13	7.13	
16	0508	BOLIVIA	5912378311	0922	2	8	2.94	2.94	
17	0508	CHILE	5683224710	0930	1	8	.57	Z .57	
18	0509	VANCOUVER	BC 604 682 2421	1657	1	8	.62	Z .62	
19	0510	HAMILTON	ON 416 527 3071	0917	2	8	.57	Z .57	
20	0510	CALGARY	AB 403 242 6085	0950	1	8	5.70	Z 5.70	
21	0510	CALGARY	AB 403 242 6085	0950	10	8	4.29	Z 4.29	
22	0510	MONTREAL	PQ 514 844 3017	1125	11	8	17.67	17.67	
23	0510	MADISON	WI 608 241 5271	1140	31	8	2.52	2.52	
24	0510	PRESTON	ID 208 852 2890	1510	4	8	.63	.63	
25	0510	ANGELSCAMP	CA 209 728 2035	1516	1	8	9.90	9.90	
26	0510	COVINGTON	KY 606 491 9701	1521	18	8	.63	.63	
27	0510	LAKWOOD	CO 303 234 0273	1613	1	8	4.28	4.28	
28	0510	BOLIVIA	5912391624	1550	1	8	.63	.63	
29	0510	SAN PEDRO	CA 213 835 1507	1034	1	8	.37	Z .37	
30	0510	BRIGHTON	ON 613 475 1033	1618	1	8	.57	Z .57	
31	0510	MADISON	WI 608 241 5272	1129	1	8	.36	Z .36	
32	0511	COBOCONK	ON 705 454 8664	0914	1	8	.36	Z .36	
33	0511	COBOCONK	ON 705 454 8664	0915	3	8	1.08	1.08	
34	0511	COBOCONK	ON 705 454 3315	1043	1	8	.36	Z .36	
35	0511	COBOCONK	ON 705 454 3315	1043	1	8	1.26	1.26	
36	0511	SAN FRAN	CA 415 567 0311	1044	2	8	15.68	15.68	
37	0511	BOLIVIA	5912391624	1047	5	8	38.22	38.22	
38	0511	CHILE	5622238941	1053	19	8	.63	.63	
39	0511	PRESTON	ID 208 852 2890	1132	1	8	5.67	5.67	
40	0511	LAKWOOD	CO 303 234 0273	1133	9	8	7.56	7.56	
41	0511	RENO	NV 702 323 5201	1143	12	8	2.80	2.80	
42	0511	ROCHESTER	NY 716 621 4210	1207	7	8	.37	.37	
43	0511	BRIGHTON	ON 613 475 1033	1109	1	8	3.78	3.78	
44	0514	PRESTON	ID 208 852 2890	1104	6	8	.57	.57	
45	0514	FTSASKAHWN	AB 403 992 5102	1513	1	8	2.60	2.60	
46	0514	NEW YORK	NY 212 490 1356	1521	5	8	.63	.63	
47	0514	SALT LAKE	UT 801 534 3600	1622	1	8	2.52	2.52	
48	0514	COTTONWOOD	UT 801 944 1058	1633	4	8		MZ .34	
49	0514	HAMILTON	ON 416 527 3071	1106	1	8		Z .70	
50	0514	BARIE	ON 705 726 4211	1340	2	8	36.26	36.26	
51	0515	CHILE	5622238941	1008	18	8	1.14	Z 1.14	
52	0515	CALGARY	AB 403 271 9400	1112	2	8	1.71	1.71	
53	0515	CALGARY	AB 403 271 9400	1347	3	8	.57	.57	
54	0515	CALGARY	AB 403 271 9400	1400	1	8	1.40	1.40	
55	0515	BRANTFORD	ON 519 756 0250	1402	4	8	.70	.70	
56	0515	BARIE	ON 705 726 1859	1441	2	8	1.89	MZ .34	
57	0515	LAKWOOD	CO 303 234 9020	1551	3	8		Z 2.34	
58	0515	HAMILTON	ON 416 527 3071	1555	1	8	2.34		
59	0515	TIMMINS	ON 705 264 1285	1523	6	8	.63		
60	0515	SALT LAKE	UT 801 534 3600	0929	1	8	2.94		
61	0515	CHILE	562498513	1435	1	8	.39		
62	0515	TIMMINS	ON 705 264 1285	1543	1	8	22.80	22.80	
63	0515	RICHMOND	BC 604 276 0989	1101	40	8	1.26	1.26	
64	0515	LAKWOOD	CO 303 234 0273	1613	2	8	13.11	13.11	
65	0516	HOPE	BC 604 869 9631	0930	23	8	.39	Z .39	
66	0516	MONTREAL	PQ 514 878 3166	1037	1	8	.57	Z .57	
67	0516	CALGARY	AB 403 266 3688	1105	1	8			

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X X X CHARGEABLE MESSAGES X X X

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0516	CALGARY	AB 403 239 2473	1107	1	8	.57	Z .57	
2	0516	CALGARY	AB 403 292 0340	1121	21	8	11.97	Z 11.97	
3	0516	CALGARY	AB 403 275 4663	1142	37	8	21.09	Z 21.09	
4	0516	CHILE	5622238941	1501	2	8	4.90	(4.90)	
5	0516	HAMILTON	ON 416 527 3071	1531	4	8	1.24	Z .24	
6	0516	CHILE	5622238941	1630	5	8	10.78	(10.78)	
7	0516	FROM RICHMONBC	604 276 0989	0749	1	4	2.07	.34 (1.73)	
8	0516	RICHMOND	BC 604 276 0989	1055	1	8	.57	Z .57	
9	0516	BOLIVIA	5912391157	1144	2	8	7.13	(7.13)	
10	0516	RICHMOND	BC 604 276 0989	1147	2	8	1.14	Z 1.14	
11	0516	RICHMOND	BC 604 276 0989	1126	5	8	2.85	(2.85)	
12	0516	CALGARY	AB 403 271 9400	1308	1	8	.57	Z .57	
13	0516	HAMILTON	ON 416 527 3071	1310	1	8	.36	MZ .34	
14	0517	ORILLIA	ON 705 325 7777	0927	1	8	.08	Z 1.08	
15	0517	ORILLIA	ON 705 325 7776	1022	3	8	2.73	Z 2.73	
16	0517	MONTREAL	PQ 514 844 3017	1059	7	8	6.30	6.30	
17	0517	ANGELSCAMP	CA 209 728 2035	1129	10	8	9.69	Z 9.69	
18	0517	RICHMOND	BC 604 276 0989	1248	17	8	20.58	20.58	
19	0517	CHILE	5622238941	1317	10	8		Z .57	
20	0517	WHITE ROCK	BC 604 536 4136	1342	1	8	.57	Z 1.26	
21	0517	ANGELSCAMP	CA 209 728 2035	1427	2	8	1.26	.63	
22	0517	ANGELSCAMP	CA 209 728 2035	1436	1	8	.63	MZ .34	
23	0517	HAMILTON	ON 416 527 3071	1457	1	8	1.95	Z 1.95	
24	0517	MONTREAL	PQ 514 844 3017	1508	5	8	2.94	(2.94)	
25	0517	CHILE	562498513	1312	1	8	2.94	(2.94)	
26	0517	CHILE	562498513	1151	1	8	4.90	(4.90)	
27	0517	CHILE	562498513	1126	2	8	1.71	Z .93	
28	0517	VANCOUVER	BC 604 681 5566	1344	3	8	.93	Z .93	
29	0522	HAMILTON	ON 416 527 3071	1011	3	8	2.48	Z 2.48	
30	0522	HAMILTON	ON 416 527 3071	1022	8	8	.93	Z .93	
31	0522	HAMILTON	ON 416 527 3071	1051	3	8	.63	.63	
32	0522	BUTTE	MT 406 494 7800	1118	1	8	2.94	(2.94)	
33	0522	CHILE	5622238941	1122	1	8	8.82	8.82	
34	0522	CHILE	5622316629	1124	4	8		Z .78	
35	0522	MONTREAL	PQ 514 844 3017	1204	2	8	.63	Z .63	
36	0522	RENO	NV 702 826 6305	1206	1	8	1.24	Z 1.24	
37	0522	BURLINGTON	ON 416 332 6692	1255	4	8	.57	.57	
38	0522	HOPE	BC 604 869 9631	1253	1	8	1.10	1.10	
39	0522	WASHINGTON	DC 202 944 5800	1302	2	8	2.94	(2.94)	
40	0522	CHILE	5622316629	1004	1	8	.62	.62	
41	0522	BURLINGTON	ON 416 332 6692	1355	2	8	.62	.62	
42	0522	BURLINGTON	ON 416 332 6692	1451	2	8	2.28	2.28	
43	0523	CALGARY	AB 403 244 0705	1112	4	8	2.75	2.75	
44	0523	WASHINGTON	DC 202 944 5800	1014	5	8	1.10	1.10	
45	0523	WASHINGTON	DC 202 944 5800	1012	2	8	1.83	1.83	
46	0524	UN KINGDOM	44713892444	0921	1	8	3.90	3.90	
47	0524	MONTREAL	PQ 514 861 0583	0937	10	8		MZ .34	
48	0524	HAMILTON	ON 416 527 3071	1003	1	8	.38	Z .38	
49	0524	SUDBURY	ON 705 522 7600	1005	1	8	.57	.57	
50	0524	CALGARY	AB 403 260 9400	1207	1	8	.37	.37	
51	0524	BRIGHTON	DN 613 475 1033	0932	1	8	5.13	5.13	
52	0524	CALGARY	AB 403 260 9502	1354	9	8	4.03	4.03	
53	0525	HAMILTON	ON 416 527 3071	0905	13	8	16.66	(16.66)	
54	0525	CHILE	5622316629	1130	8	8	.63	.63	
55	0525	PRESTON	ID 208 852 2890	1147	1	8	20.16	20.16	
56	0525	PRESTON	ID 208 852 2890	1257	32	8	5.67	5.67	
57	0525	RENO	NV 702 786 5189	1329	9	8	9.45	9.45	
58	0525	OAKLAND	CA 415 298 6533	1518	15	8	2.94	(2.94)	
59	0525	CHILE	5622319120	1352	1	8	.35	.35	
60	0525	ORO	ON 705 487 2565	1428	1	8	.63	.63	
61	0525	MONTREAL	PQ 514 844 3017	1130	3	8	1.17	1.17	
62	0528	FRANKLIN	ID 208 646 2496	1055	1	8	.63	.63	
63	0528	VANCOUVER	BC 604 684 1218	1331	4	8	2.28	2.28	
64	0528	DENVER	CO 303 292 6345	1335	3	8	1.89	1.89	
65	0528	ANGELSCAMP	CA 209 728 2035	1355	1	8	.63	.63	
66	0528	TIMMINS	ON 705 267 1141	1451	2	8	.78	.78	
67	0528	CALGARY	AB 403 237 0878	0951	1	8	.57	.57	
68	0528	CALGARY	AB 403 267 6800	0955	1	8	.57	.57	
69	0528	CALGARY	AB 403 267 6800	1137	3	8	1.71	1.71	
70	0528	CHILE	5622316629	1325	3	8	6.86	6.86	

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0528	BRANTFORD	ON 519 756 0250	1316	1	8	.35	Z	.35
2	0528	KNOWLTON	PQ 514 243 6339	1333	25	8	9.75	Z	9.75
3	0529	HAMILTON	ON 416 527 3071	0928	11	8	3.41	Z	3.41
4	0529	PRESTON	ID 208 852 2890	1151	4	8	2.52		2.52
5	0529	PRESTON	ID 208 852 2890	1228	1	8	.63		.63
6	0529	ANGELSCAMP	CA 209 728 2035	1229	14	8	8.82		8.82
7	0529	PRESTON	ID 208 852 2890	1313	6	8	3.78		3.78
8	0529	ANGELSCAMP	CA 209 728 2035	1342	1	8	.63		.63
9	0529	PRESTON	ID 208 852 2890	1546	1	8	.63		.63
10	0529	NEW YORK	NY 212 490 1356	1236	5	8	2.60		2.60
11	0529	BARRIE	ON 705 722 3338	1456	1	8	.35	Z	.35
12	0529	VANCOUVER	BC 604 688 2284	1457	11	8	6.27	Z	6.27
13	0529	CALGARY	AB 403 243 2041	1509	16	8	9.12	Z	9.12
14	0529	TIMMINS	ON 705 267 1141	1311	4	8	1.56	Z	1.56
15	0529	ROSENEATH	ON 416 352 2204	1321	5	8	1.80	Z	1.80
16	0529	BRIGHTON	ON 613 475 1033	1353	1	8	.37	Z	.37
17	0530	VANCOUVER	BC 604 684 4479	1034	22	8	12.54	Z	12.54
18	0530	RENO	NV 702 825 9118	1310	1	8	.63		.63
19	0530	PRESTON	ID 208 852 2890	1324	1	8	.63		.63
20	0530	LAKWOOD	CO 303 237 9868	1343	1	8	.63		.63
21	0530	LAKWOOD	CO 303 234 0273	1344	1	8	.63		.63
22	0530	LAKWOOD	CO 303 234 0273	1345	12	8	7.56		7.56
23	0530	RENO	NV 702 323 9356	1456	7	8	4.41		4.41
24	0530	RENO	NV 702 323 9356	1543	6	8	3.78		3.78
25	0530	FROM RICHMOND	BC 604 276 0989	0755	1	4	2.07	.34	1.73
26	0530	FROM RICHMOND	BC 604 276 0989	0834	22	4			14.04
27	0530	MONTREAL	PQ 514 397 1651	1031	7	8	2.73	Z	2.73
28	0531	CALGARY	AB 403 278 8259	1701	8	3			5.81
		FROM TORO	ON						
29	0531	VICTORIA	BC 604 383 4511	1653	7	3			5.24
		FROM TORO	ON						
30	0531	BOCA RATON	FL 407 483 3591	1711	1	3			1.86
		FROM TORO	ON						
31	0531	FTLAUDERDL	FL 305 389 5154	2034	16	3	11.33	3.53	7.80
		FROM TORO	ON						
32	0531	CALGARY	AB 403 268 8578	1714	20	3			12.65
		FROM TORO	ON						
33	0531	VICTORIA	BC 604 385 7128	1628	8	3			5.81
		FROM TORO	ON						
34	0531	KNOWLTON	PQ 514 243 6339	1051	7	8	2.73	Z	2.73
35	0531	CHILE	5622316629	1101	14	8	28.42		28.42
36	0531	PRESTON	ID 208 852 2890	1118	10	8	6.30		6.30
37	0531	RENO	NV 702 825 9118	1152	2	8	1.26		1.26
38	0531	RENO	NV 702 323 5201	1400	3	8	1.89		1.89
39	0531	RENO	NV 702 322 7531	1404	1	8	.63		.63
40	0531	RICHMOND	BC 604 276 0989	1452	1	8	.57	Z	.57
41	0531	BOLIVIA	5912391624	1054	4	8	12.83		12.83
42	0531	RENO	NV 702 322 7531	1412	10	8	6.30		6.30
43	0602	VICTORIA	BC 604 385 7128	2233	56	3	33.17	11.17	22.00
		FROM TORO	ON						
44	0602	CALGARY	AB 403 239 2473	2008	16	3	10.37	3.19	7.18
		FROM TORO	ON						
45	0602	ORO	ON 705 487 2666	2041	1	3	1.60	.21	1.39
		FROM TORO	ON						
46	0602	CALGARY	AB 403 271 9119	1022	12	3			8.09
		FROM TORO	ON						
47	0603	VANCOUVER	BC 604 266 0842	1253	9	3	6.38	1.80	4.58
		FROM TORO	ON						
48	0603	WINNIPEG	MB 204 669 5945	1303	2	3	2.35	.38	1.97
		FROM TORO	ON						
49	0603	WINNIPEG	MB 204 489 4385	1306	2	3	2.35	.38	1.97
		FROM TORO	ON						
50	0603	MISSION	BC 604 826 1087	1310	11	3	7.52	2.19	5.33
		FROM TORO	ON						
51	0604	PRESTON	ID 208 852 2890	1042	6	8	3.78		3.78
52	0604	RENO	NV 702 826 6305	1130	24	8	15.12	Z	15.12
53	0604	RICHMOND	BC 604 276 0989	1524	1	8	.57		.57
54	0604	CHILE	5622319120	1536	3	8	6.86		6.86
55	0604	MONTREAL	PQ 514 861 0583	1323	3	8	1.17	Z	1.17
56	0604	BRIGHTON	ON 613 475 1033	1331	3	8	1.11	Z	1.11

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* * * CHARGEABLE MESSAGES * * *

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0604	ORO	ON 705 487 2565	1540		1 8	.35	Z	.35
2	0604	HAMILTON	ON 416 527 3071	1138		4 8	1.24	Z	1.24
3	0604	GUELPH	ON 519 821 2616	1142		9 8	3.06	Z	3.06
4	0605	BURLINGTON	ON 416 332 6692	0831		2 8	.62	Z	.62
5	0605	PRESTON	ID 208 852 2890	0956		14 8	8.82		8.82
6	0605	CHILE	5622316629	1120		13 8	26.46		26.46
7	0605	RICHMOND	BC 604 276 0989	1135		1 8	.57	Z	.57
8	0605	SCOTTSDALE	AZ 602 948 2100	1301		3 8	1.89		1.89
9	0605	DRAGONLAKE	BC 604 747 3111	1305		1 8	.57	Z	.57
10	0605	VANCOUVER	BC 604 682 7082	1502		2 8	1.14	Z	1.14
11	0605	BURLINGTON	ON 416 332 6692	1508		1 8		MZ	.34
12	0605	BURLINGTON	ON 416 332 6692	1509		1 8		MZ	.34
13	0605	RICHMOND	BC 604 276 0989	1528		2 8	1.14	Z	1.14
14	0605	VANCOUVER	BC 604 682 7082	1533		1 8	.57	Z	.57
15	0605	BOLIVIA	5912391624	1130		2 8	7.13		7.13
16	0605	RICHMOND	BC 604 276 0989	1057		20 8	11.40	Z	11.40
17	0605	CALGARY	AB 403 246 1725	1442		4 8	2.28	Z	2.28
18	0606	VANCOUVER	BC 604 661 3758	0948		1 8	.57	Z	.57
19	0606	VANCOUVER	BC 604 661 3758	1106		2 8	1.14	Z	1.14

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA
SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY

236.06

TAX-FED. 71.20
TAX-PROV. 57.16

SUB-TOTAL OF NON TELEPLUS CANADA CALLS 647.30
SUB-TOTAL INCLUDING TAX 775.66

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED	236.06
MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT	100.00
DISCOUNT FOR CANADA PLAN	15.00
TAX-FED.	24.32
TAX-PROV.	19.63
SUB-TOTAL	221.06
SUB-TOTAL INCLUDING TAX	265.01

TOTAL CHARGEABLE MESSAGES	868.36
TAX-FED.	95.52
TAX-PROV.	76.79
SUB-TOTAL	172.31

CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
THANK YOU FOR USING BELL LONG DISTANCE

THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
(23.14% PER ANNUM)

THE NEW METROPOLITAN TORONTO DIRECTORY (EFFECTIVE DECEMBER 20, 1989)
HAS BEEN DELIVERED. PLEASE TAKE A MOMENT TO CHECK YOUR LISTING TO BE
SURE IT APPEARS CORRECTLY. IF A CHANGE IS REQUIRED, CALL THE BUSINESS
OFFICE AT THE ORDER INQUIRY NUMBER ON YOUR BILL. (A CHARGE MAY APPLY).

7.34 x
0.54 x
4.00 x
0.71 x
0.37 x
0.37 x
0.77 +
2.20 +
91.13 + T

0.0

91.13 x
19.0 %
17.31 +

0.0

91.13 +
17.31 +
108.44 + T

INQUIRIES: BILLING - 321-54
ORDERS - 599-81

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*** ACCOUNT SUMMARY ***

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - FED.	27.53
TAX - PROV.	42.10
OTHER CHARGES OR CREDITS	.70
CHARGEABLE MESSAGES	625.09
TAX - FED.	68.76
TAX - PROV.	55.50
DIRECTORY ADVERTISING	124.26
	20.00
TOTAL CURRENT CHARGES	1345.38
= AMOUNT DUE	1345.38

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 05 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

*** OTHER CHARGES OR CREDITS ***

DESCRIPTION	MONTHLY RATE	AMOUNT
INCREASE IN ADVERTISING IN DIRECTORY - TORONTO W.P. FROM 04 17 TO 05 06	1.05	.70
TOTAL OTHER CHARGES OR CREDITS		.70

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
✓1	0409	CHILE	5622316629	1022	15	8	30.38		30.38
2	0409	BECANCOUR	PQ 819 294 4500	1131	1	8	.39	Z	.39
3	0409	MILTON	ON 416 878 2825	1159	1	8		MZ	.34

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0409	LONDON	ON 519 471 5462	1345	4	8	1.48	Z	1.48
2	0409	MONTREAL	PQ 514 844 3017	1557	7	8	2.73	Z	2.73
3	0409	BRIGHTON	ON 613 475 1033	1606	7	8	2.59	Z	2.59
4	0410	YARROW	BC 604 823 6730	1033	1	8	.57	Z	.57
5	0410	HOPE	BC 604 869 9631	1035	14	8	7.98	Z	7.98
6	0410	MONTREAL	PQ 514 878 3166	1206	13	8	5.07	Z	5.07
7	0410	CALGARY	AB 403 269 4206	0956	12	8	6.84	Z	6.84
8	0411	PITTSBURGH	PA 412 562 6312	0932	2	8	.98	Z	.98
9	0411	BOLIVIA	5912391624	0948	18	8	52.73	Z	52.73
10	0411	RENO	NV 702 825 9118	1236	1	8	.63	Z	.63
11	0411	HAMILTON	ON 416 527 3071	1438	3	8	.93	Z	.93
12	0411	RICHMOND	BC 604 276 0989	1129	24	8	13.68	Z	13.68
13	0411	HAMILTON	ON 416 527 3071	1157	9	8	2.79	Z	2.79
14	0412	CHILE	5622316629	1113	2	8	4.90	Z	4.90
15	0412	MEXICCY FE	MX 525 286 3555	1129	1	8	1.96	Z	1.96
16	0412	RICHMOND	BC 604 276 0989	1320	1	8	.57	Z	.57
17	0412	BRIGHTON	ON 613 475 1033	1347	3	8	1.11	Z	1.11
18	0412	HOUSTON	TX 713 658 8357	1531	21	8	13.23	Z	13.23
19	0412	RICHMOND	BC 604 276 0989	1553	6	8	3.42	Z	3.42
20	0412	FROM RICHMONBC	604 276 0989	1235	1	4	Z	2.07	
21	0412	MONTREAL	PQ 514 844 3956	1050	1	8	.39	Z	.39
22	0412	BOLIVIA	5912391157	1334	1	8	4.28	Z	4.28
23	0412	CHILE	5622316629	1353	2	8	4.90	Z	4.90
24	0412	ORO	ON 705 487 2565	1447	1	8	.35	Z	.35
25	0416	CHILE	5622238941	0939	3	8	6.86	Z	6.86
26	0416	CHILE	5622316629	0943	22	8	44.10	Z	44.10
27	0416	CALEDON	ON 519 927 3813	1053	5	8	1.55	Z	1.55
28	0416	CHILE	5622316629	1104	3	8	6.86	Z	6.86
29	0416	RENO	NV 702 826 6305	1130	19	8	11.97	Z	11.97
30	0416	FROM RICHMONBC	604 276 0989	0708	7	4	5.49	2.39	3.10
31	0417	BEREA	OH 216 243 0424	1248	1	8	.47	Z	.47
32	0417	OTTAWA	ON 613 238 6000	1350	2	8	.76	Z	.76
33	0417	MEXICCY FE	MX 525 286 3555	1410	4	8	7.84	Z	7.84
34	0417	CORAOPOLIS	PA 412 262 2681	1422	10	8	4.90	Z	4.90
35	0417	OTTAWA	ON 613 238 6000	1447	2	8	.76	Z	.76
36	0417	KIRKLND LK	ON 705 567 3840	1455	8	8	3.12	Z	3.12
37	0417	PRESTON	ID 208 852 2890	1508	10	8	6.30	Z	6.30
38	0417	CORAOPOLIS	PA 412 262 2681	1440	3	8	1.47	Z	1.47
39	0418	ROCKYOUNT	NC 919 985 3769	1021	2	8	1.14	Z	1.14
40	0418	HOPE	BC 604 869 9631	1211	2	8	1.14	Z	1.14
41	0418	VICTORIA	BC 604 385 7128	1355	35	8	19.95	Z	19.95
42	0418	MONTREAL	PQ 514 861 0583	1526	1	8	.39	Z	.39
43	0418	PRESTON	ID 208 852 2890	1555	6	8	3.78	Z	3.78
44	0419	MONTREAL	PQ 514 861 0583	0921	4	8	1.56	Z	1.56
45	0419	OTTAWA	ON 613 954 3218	1053	1	8	.38	Z	.38
46	0419	MONTREAL	PQ 514 844 3017	1524	8	8	3.12	Z	3.12
47	0420	WASHINGTON	DC 202 623 3933	0909	1	8	.55	Z	.55
48	0420	HOUSTON	TX 713 658 8357	1326	16	8	10.08	Z	10.08
49	0420	BOLIVIA	5912357238	1439	1	8	4.28	Z	4.28
50	0420	CHILE	5622316629	1541	21	8	42.14	Z	42.14
51	0420	OTTAWA	ON 613 236 8237	1353	2	8	.76	Z	.76
52	0420	TIMMINS	ON 705 267 7951	1555	1	8	.39	Z	.39
53	0420	WASHINGTON	DC 202 623 3933	1408	2	8	1.10	Z	1.10
54	0420	TIMMINS	ON 705 267 7951	1417	2	8	.78	Z	.78
55	0423	BOLIVIA	5912354968	0843	3	8	9.98	Z	9.98
56	0423	RIDGETOWN	ON 519 674 0233	1146	9	8	3.42	Z	3.42
57	0423	BARRIE	ON 705 739 9541	1628	2	8	.70	Z	.70
58	0423	BRIGHTON	ON 613 475 1033	1731	10	8	3.70	Z	3.70
59	0423	FROM OTWA	ON 613 236 8237	1048	2	4	2.51	Z	2.51
60	0423	HAMILTON	ON 416 527 3071	1529	3	8	.93	Z	.93
61	0423	ORO	ON 705 487 2565	0845	1	8	.35	Z	.35
62	0424	ANGELSCAMP	CA 209 728 2035	1143	20	8	12.60	Z	12.60
63	0424	CALGARY	AB 403 271 9400	1311	3	8	1.71	Z	1.71
64	0424	PRESTON	ID 208 852 2890	1541	8	8	5.04	Z	5.04
65	0424	INGERSOLL	ON 519 425 0076	1631	4	8	1.48	Z	1.48
66	0424	FROM RICHMONBC	604 276 0989	0823	14	4	9.48	Z	9.48
67	0424	LAKWOOD	CO 303 234 0273	1502	2	8	1.26	Z	1.26
68	0424	GERMANY FR	4955169410	1309	2	8	3.10	Z	3.10
69	0424	PRESTON	ID 208 852 2890	1550	2	8	1.26	Z	1.26
70	0424	BARRIE	ON 705 734 2533	1052	3	8	1.05	Z	1.05

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NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0424	BARRIE	ON 705 726 4211	1057	3	8	1.05		1.05
2	0424	NEW YORK	NY 212 490 1356	1210	14	8	7.28		7.28
3	0425	ORANGEVL	ON 519 941 1432	1036	3	8	1.02		1.02
4	0425	FARMINGTON	MI 313 476 8873	1109	1	8	.49		.49
5	0425	BOLIVIA	5912391624	1151	2	8	7.13		7.13
6	0425	ANGELSCAMP	CA 209 728 2035	1047	1	8	.63		.63
7	0425	HOPE	BC 604 869 9631	1209	3	8	1.71		1.71
8	0426	CHILE	5622316629	0838	16	8	32.34		32.34
9	0426	HAMILTON	ON 416 527 3071	0912	4	8	1.24		1.24
10	0426	BURLINGTON	ON 416 332 6692	1015	4	8	1.24		1.24
11	0426	CARNEGIE	PA 412 787 5380	1040	2	8	.98		.98
12	0426	CARNEGIE	PA 412 787 5380	1121	16	8	7.84		7.84
13	0426	FERNLEY	NV 702 575 4612	1301	2	8	1.26		1.26
14	0426	MOONSTONE	ON 705 835 3697	1326	1	8	.36		.36
15	0426	BARRIE	ON 705 737 4068	1327	1	8	.35		.35
16	0426	BURLINGTON	ON 416 335 8330	1424	1	8		MZ	.34
17	0426	ENNIS	MT 406 682 7662	1431	8	8	5.04		5.04
18	0426	BOLIVIA	5912391624	0904	2	8	7.13		7.13
19	0426	BOLIVIA	5912354968	0906	1	8	4.28		4.28
20	0426	CALGARY	AB 403 265 4490	1152	18	8	10.26		10.26
21	0426	CHILE	5622316629	0949	6	8	12.74		12.74
22	0427	CHILE	5622316629	1017	7	8	14.70		14.70
23	0427	FERNLEY	NV 702 575 4612	1203	13	8	8.19		8.19
24	0427	CALGARY	AB 403 258 6411	1225	3	8	1.71		1.71
25	0427	CHILE	562498513	0953	2	8	4.90		4.90
26	0427	CALGARY	AB 403 258 8411	1209	1	8	.57		.57
27	0430	HAMILTON	ON 416 527 3071	1035	4	8	1.24		1.24
28	0430	CALGARY	AB 403 262 4740	1530	2	8	1.14		1.14
29	0430	BRIGHTON	ON 613 475 1033	2117	1	8		MZ	.34
30	0430	BRIGHTON	ON 613 475 1033	2120	1	8		MZ	.34
31	0430	BRIGHTON	ON 613 475 1033	2137	1	8		MZ	.34
32	0430	OTTAWA	ON 613 749 9998	0911	2	8	.76		.76
33	0430	BRIGHTON	ON 613 475 1033	0922	2	8	.74		.74
34	0430	HAMILTON	ON 416 527 3071	1338	1	8		MZ	.34
35	0430	CALGARY	AB 403 266 4979	1530	2	8	1.14		1.14
36	0430	BARRIE	ON 705 726 1859	1051	3	8	1.05		1.05
37	0430	HAMILTON	ON 416 527 3071	1339	1	8		MZ	.34
38	0501	BAIE VERTE	NF 709 532 4251	0929	7	8	3.92		3.92
39	0501	ST JOVITE	PQ 819 425 2731	1103	2	8	.78		.78
40	0501	VANCOUVER	BC 604 644 0173	1133	1	8	.57		.57
41	0501	RICHMOND	BC 604 270 7770	1135	1	8	.57		.57
42	0501	VANCOUVER	BC 604 644 0173	1136	1	8	.57		.57
43	0501	BARRIE	ON 705 722 4411	1149	1	8	.35		.35
44	0501	HAMILTON	ON 416 527 3071	1155	2	8	.62		.62
45	0501	RENO	NV 702 826 6305	1345	12	8	7.56		7.56
46	0501	BRIGHTON	ON 613 475 1033	0821	1	8	.37		.37
47	0501	BRIGHTON	ON 613 475 1033	0824	1	8	.37		.37
48	0501	BRIGHTON	ON 613 475 1033	0826	1	8	.37		.37
49	0501	MONTREAL	PQ 514 861 0583	0847	2	8	.78		.78
50	0501	BOLIVIA	5912378311	1201	1	8	4.28		4.28
51	0501	BOLIVIA	5912378311	1229	2	8	7.13		7.13
52	0502	HAMILTON	ON 416 527 3071	0822	1	8		MZ	.34
53	0502	KELOWNA	BC 604 762 0944	1135	2	8	1.14		1.14
54	0502	HAMILTON	ON 416 527 3071	1154	2	8	.62		.62
55	0503	COVINGTON	KY 606 491 9701	0851	4	8	2.20		2.20
56	0503	BOLIVIA	5912378311	0902	2	8	7.13		7.13
57	0503	BOLIVIA	5912391624	0904	2	8	7.13		7.13
58	0503	BOLIVIA	5912378311	1156	1	8	4.28		4.28
59	0503	HAMILTON	ON 416 527 3071	1157	1	8		MZ	.34
60	0503	BOLIVIA	5912391624	1440	1	8	4.28		4.28
61	0503	BOLIVIA	5912378311	1443	1	8	4.28		4.28
62	0503	BOLIVIA	5912391624	1012	1	8	4.28		4.28
63	0504	BOLIVIA	5912391624	0958	2	8	7.13		7.13
64	0504	BOLIVIA	5912378311	1000	1	8	4.28		4.28
65	0504	SAN MATEO	CA 415 574 7111	1001	7	8	4.41		4.41

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416 865 9500DATE
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X X X CHARGEABLE MESSAGES X X X

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
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Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA
 SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY 138.56
 TAX-FED. 55.17
 TAX-PROV. 44.53 SUB-TOTAL OF NON TELEPLUS CANADA CALLS 501.53
 SUB-TOTAL INCLUDING TAX 601.23

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED 138.56
 MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT 100.00
 DISCOUNT FOR CANADA PLAN 15.00
 TAX-FED. 13.59 SUB-TOTAL 123.56
 TAX-PROV. 10.97 SUB-TOTAL INCLUDING TAX 148.12

TOTAL CHARGEABLE MESSAGES 625.09
 TAX-FED. 68.76
 TAX-PROV. 55.50 124.26

CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
 THANK YOU FOR USING BELL LONG DISTANCE

THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
 (23.14% PER ANNUM)

Bell

See reverse for more information

• R 3 +

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18 • 93 +

306 • 43 + T

0 • 6 3 +

INQUIRIES: BILLING - 321-5468
ORDERS - 599-8161

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1 416 865 9300
LASTCORP INVESTMENTS LTD

DATE
1990 04 07

* * * ACCOUNT SUMMARY * * *

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - FED.	27.53
TAX - PROV.	42.10
CHARGEABLE MESSAGES	985.08
TAX - FED.	105.71
TAX - PROV.	75.96
DIRECTORY ADVERTISING	181.67
	18.95
TOTAL CURRENT CHARGES	1761.03
= AMOUNT DUE	1761.03

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 04 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

* * * CHARGEABLE MESSAGES * * *

NO	DATE	LOCATION	NUMBER	START	MIN	*	CHARGE	DISCOUNT	AMOUNT
1	0107	BOCA RATON FROM CAYMAN IS	4074833591	2200	11	3			E 14.43
2	0207	DEVONSHIRE FROM VAIL CO	8092951422	1300	2	3			E 7.10
✓ 4	0223	FROM CHILE	5622321983	1100	3	P4			11.76
4	0226	TORONTO ON FROM TIMMINSON	416 923 8759	1826	3	3	2.42	.41	2.01
5	0305	TORONTO ON FROM BOCA R FL	416 323 3000	0948	5	7			4.05
6	0305	BRAZIL	55312235977	1400	3	1			7.84
7	0306	TORONTO ON FROM BOCA R FL	416 926 9256	0947	32	7			20.52-

Bell

See reverse for more information

DATE
1990 04 07

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0307	TORONTO	ON 416 657 8986	0843	4	7			3.44
		FROM BOCA R FL							
2	0307	MONTREAL	PQ 514 844 3017	1749	8	8	3.12	Z 3.12	
3	0307	BROOKLIN	ON 416 655 3907	1040	1	8		MZ .34	
4	0307	S S MARIE	ON 705 942 1327	1251	1	8	.39	Z .39	
5	0308	TORONTO	ON 416 867 6053	1025	4	7			3.44
		FROM BOCA R FL							
6	0308	TORONTO	ON 416 867 6053	1029	2	7			2.22
		FROM BOCA R FL							
7	0308	TORONTO	ON 416 961 2999	1036	4	7			3.44
		FROM BOCA R FL							
8	0308	CALGARY	AB 403 271 9119	2220	33	7		X 14.72	
		FROM BOCA R FL							
9	0308	S S MARIE	ON 705 942 1327	0839	7	8	2.73	Z 2.73	
10	0308	CARNEGIE	PA 412 787 5380	0846	17	8	8.33		8.33
11	0308	NAPERVILLE	IL 708 369 3700	1052	4	8	2.28	Z 2.28	
12	0308	BRANTFORD	ON 519 756 0250	1058	6	8	2.10	Z 2.10	
13	0308	MIAMI	FL 305 871 3310	1436	1	8	.63		.63
14	0308	MONTRÉAL	PQ 514 739 0272	1455	12	8	4.68	Z 4.68	
15	0308	MIAMI	FL 305 526 5565	1510	6	8	3.78		3.78
16	0308	FRANKLINPK	IL 708 671 5130	1516	2	8	1.14		1.14
17	0308	S S MARIE	ON 705 942 1327	1535	3	8	1.17	Z 1.17	
18	0308	MIAMI	FL 305 526 6455	1313	1	8	.63		.63
19	0308	MIAMI	FL 305 526 5565	1313	1	8	.63		.63
20	0308	MIAMI	FL 305 592 4437	1318	1	8	.63		.63
21	0308	MIAMI	FL 305 871 3310	1319	9	8	5.67		5.67
22	0308	CHATHAM	ON 519 354 4080	1333	2	8	.76	Z Z	.76
23	0308	LONDON	ON 519 679 1111	1342	9	8	3.33		3.33
24	0308	BURLINGTON	ON 416 332 6692	1351	3	8	.93	Z	.93
25	0308	MIAMI	FL 305 526 5565	1453	6	8	3.78		3.78
26	0308	MIAMI	FL 305 526 5565	1503	2	8	1.26		1.26
27	0308	MIAMI	FL 305 871 3310	1505	1	8	.63		.63
28	0311	TORONTO	ON 416 924 5989	1734	3	7	2.83		2.19
		FROM BOCA R FL							
29	0312	TORONTO	ON 416 926 9256	1011	7	7			5.27
		FROM DELR B FL							
30	0312	LOCAL CALL	305 781 1661	1254		7		QE .97	
		FROM LOCAL PUBLIC TELEPHONE							
		1.2126% EXCHANGE RATE							
31	0312	TORONTO	ON 416 865 9300	0905	3	7			2.83
		FROM BOCA R FL							
32	0312	TORONTO	ON 416 865 9300	1610	9	7			6.49
		FROM BOCA R FL							
33	0312	LOCAL CALL	305 781 1661	1628		7		QE .97	
		FROM LOCAL PUBLIC TELEPHONE							
		1.2126% EXCHANGE RATE							
34	0312	BRIGHTON	ON 613 475 1033	0936	1	8	.37	Z .37	
35	0312	BRIGHTON	ON 613 475 1033	0939	19	8	7.03	Z 7.03	
36	0312	HAMILTON	ON 416 527 3071	1019	2	8	.62		.62
37	0312	MONTRÉAL	PQ 514 844 3017	1030	26	8	10.14	Z 10.14	
38	0312	RICHMOND	BC 604 276 0989	1105	8	8	4.56	Z 4.56	
39	0312	SILVER SPG	MD 301 587 0018	1113	1	8	.52		.52
40	0312	OSHAWA	ON 416 436 7617	1114	2	8	.62	Z .62	
41	0312	WASHINGTON	DC 202 473 0650	1118	1	8	.55		.55
42	0312	OTTAWA	ON 613 954 3122	1122	4	8	1.52	Z 1.52	
43	0312	CHILE	56222316629	1522	7	8	14.70		14.70
44	0312	SILVER SPG	MD 301 587 0018	1530	1	8	.52		.52
45	0312	RAPID CITY	SD 605 342 8731	1632	23	8	14.03		14.03
46	0312	RAPID CITY	SD 605 342 9097	1507	17	8	10.37		10.37
47	0314	BOLIVIA	5912377724	0928	1	8	4.28		4.28
48	0314	BURLINGTON	ON 416 335 2455	0932	1	8		MZ .34	
49	0314	S S MARIE	ON 705 942 1351	0945	16	8	6.24	Z 6.24	
50	0314	HOUSTON	TX 713 658 8357	1101	1	8	.63		.63
51	0314	SCOTTSDALE	AZ 602 948 2100	1112	1	8	.63		.63
52	0314	SILVER SPG	MD 301 587 0018	1134	1	8	.52		.52
53	0314	BARRIE	ON 705 726 0591	1209	1	8	.35		.35
54	0314	RENO	NV 702 825 9118	1214	6	8	3.78		3.78
55	0314	HOUSTON	TX 713 658 8357	1230	2	8	1.26		1.26
56	0314	RICHMOND	BC 604 276 0989	1233	25	8	14.25	Z 14.25	
57	0314	VAIL	CO 303 476 1708	1535	11	8	6.93		6.93

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0314	HAMILTON	ON 416 527 3071	1631	2	8	.62	Z	.62
2	0314	BOLIVIA	5912391624	0930	14	8	41.33	Z	41.33
3	0314	CALGARY	AB 403 237 0878	1009	1	8	.57	Z	.57
4	0314	GREENVILLE	SC 803 281 4981	0951	16	8	9.12		9.12
5	0314	PITTSBURGH	PA 612 562 6200	1541	4	8	1.96		1.96
6	0314	PITTSBURGH	PA 612 391 9674	1545	1	8	.49		.49
7	0314	MONTREAL	PQ 514 844 3017	1659	1	8	.39	Z	.39
8	0314	MONTREAL	PQ 514 844 3017	1701	2	8	.78	Z	.78
9	0315	GUELPH	ON 519 824 4120	0927	2	8	.68	Z	.68
10	0315	GUELPH	ON 519 824 4120	0928	2	8	.68	Z	.68
11	0315	NAPERVILLE	IL 708 369 3700	1022	4	8	2.28		2.28
12	0315	HOUSTON	TX 713 658 8357	1037	1	8	.63		.63
13	0315	BRIGHTON	ON 613 475 1033	1113	12	8	4.44	Z	4.44
14	0315	BARRIE	ON 705 726 0591	1132	1	8	.35	Z	.35
15	0315	BECANCOUR	PQ 819 294 4500	1135	2	8	.78	Z	.78
16	0315	RAPID CITY	SD 605 342 8731	1244	5	8	3.05		3.05
17	0315	PRESTON	ID 208 852 2890	1250	2	8	1.26		1.26
18	0315	ORILLIA	ON 705 325 7777	1323	1	8	.36	Z	.36
19	0315	ORILLIA	ON 705 325 7776	1324	2	8	.72	Z	.72
20	0315	BECANCOUR	PQ 819 294 4500	1351	1	8	.39	Z	.39
21	0315	WASHINGTON	DC 202 331 9660	1452	8	8	4.40		4.40
22	0315	VANCOUVER	BC 604 685 0380	1500	1	8	.57	Z	.57
23	0315	WESTLINCLN	ON 416 957 3311	1522	1	8		MZ	.34
24	0315	BURLINGTON	ON 416 634 7667	1524	1	8		MZ	.34
25	0315	BURLINGTON	ON 416 634 7667	1636	11	8	3.41	Z	3.41
26	0315	PITTSBURGH	PA 412 391 9674	1045	1	8	.49		.49
27	0315	PITTSBURGH	PA 412 391 9675	1117	1	8	.49		.49
28	0315	PITTSBURGH	PA 412 391 9675	1132	20	8	9.80		9.80
29	0315	PRESTON	ID 208 852 2890	1549	15	8	9.45	Z	9.45
30	0316	BURLINGTON	ON 416 634 7667	0925	23	8	7.13	Z	7.13
31	0316	HAMILTON	ON 416 527 3071	1005	5	8	1.55	Z	1.55
32	0316	WESTLINCLN	ON 416 957 2301	1016	12	8	3.72	Z	3.72
33	0316	GALT	ON 519 740 2100	1059	4	8	1.40	Z	1.40
34	0316	KIT WLOO	ON 519 578 1570	1105	6	8	2.10	Z	2.10
35	0316	CLEVELAND	OH 216 621 5200	1121	2	8	.94		.94
36	0316	PRESTON	ID 208 852 2890	1332	3	8	1.89		1.89
37	0316	CHILE	5622316629	1402	19	8	38.22	Z	38.22
38	0316	RICHMOND	BC 604 276 0989	1458	14	8	7.98	Z	7.98
39	0316	PRESTON	ID 208 852 2890	1553	1	8	.63		.63
40	0316	ROXBORO	PQ 514 684 0122	1107	3	8	1.17	Z	1.17
41	0316	BURLINGTON	ON 416 332 6692	1045	3	8	.93	Z	.93
42	0316	BURLINGTON	ON 416 634 7667	1114	5	8	1.55	Z	1.55
43	0319	VANCOUVER	BC 604 681 4121	1308	1	8	.57	Z	.57
44	0319	PRESTON	ID 208 852 2890	1401	1	8	.63		.63
45	0319	RICHMOND	BC 604 276 0989	1424	8	8	4.56	Z	4.56
46	0319	ASPEN	CO 303 920 1700	1458	1	8	.63		.63
47	0319	VANCOUVER	BC 604 685 0380	1533	4	8	2.28	Z	2.28
48	0319	RICHMOND	BC 604 276 0989	1537	10	8	5.70	Z	5.70
49	0319	BOLIVIA	912377724	1100	14	P2		X	48.45
50	0319	FROM RICHMONBC	604 276 0989	1204	9	4			6.63
51	0319	FROM RICHMONBC	41899395	1600	3	2			8.60
52	0319	ARGENTINA	41899395	1700	5	2			12.90
53	0319	NEW YORK	NY 212 573 2323	1300	4	8	2.08	Z	2.08
54	0319	VANCOUVER	BC 604 665 7707	1426	2	8	1.14		1.14
55	0319	SAN MONICA	CA 213 393 3456	1428	1	8	.63		.63
56	0320	NEW YORK	NY 212 573 2960	0918	2	8	1.04		1.04
57	0320	DOWNTSGRV	IL 708 971 2500	1014	1	8	.57		.57
58	0320	MONTREAL	PQ 514 739 0272	1137	1	8	.39		.39
59	0320	UN KINGDOM	4414905558	1235	2	8	3.05		3.05
60	0320	HOUSTON	TX 713 658 8357	1244	1	8	.63		.63
61	0320	CLEVELAND	OH 216 621 5200	1341	5	8	2.35		2.35
62	0320	WASHINGTON	DC 202 331 9660	1352	3	8	1.65		1.65
63	0320	VANCOUVER	BC 604 685 0380	1512	1	8	.57		.57
64	0320	WASHINGTON	DC 202 331 9660	1513	7	8	3.85		3.85
65	0320	HOUSTON	TX 713 658 8357	1611	14	8	8.82		8.82
66	0320	VANCOUVER	BC 604 685 0380	1652	1	8	.57	Z	.57

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
0320	ARGENTINA FROM RICHMONBC		418247527	1700	5	2			x 12.90
0320	CHILE		5622319120	1559	3	8	6.86		6.86
0320	NEW YORK NY		212 573 2960	1222	1	8	.52		.52
0320	BURLINGTON ON		416 332 6692	1303	2	8	.62		.62
0320	WASHINGTON DC		202 331 9660	1338	6	8	3.30		3.30
0320	RAPID CITY SD		605 342 8731	1603	1	8	.61		.61
0320	DOWNERSGRV IL		708 971 2500	0949	2	8	1.14		1.14
0320	LAKEFIELD ON		705 652 3361	1041	8	8	2.88		2.88
0320	RAPID CITY SD		605 342 8731	1054	4	8	2.44		2.44
0320	PRESTON ID		208 852 2890	1227	4	8	2.52		2.52
0320	ASPEN CO		303 920 1700	1602	3	8	1.89		1.89
0321	MONTREAL PQ		514 844 3017	0945	16	8	6.24		6.24
0321	MEXICCY FE	MX	525 286 3555	1018	3	8	5.88		5.88
0321	MUNCIE IN		317 282 1593	1030	6	8	3.30		3.30
0321	VAIL CO		303 476 1708	1142	3	8	1.89		1.89
0321	CHILE		5622316629	1516	16	8	32.34		32.34
0321	ARGENTINA FROM RICHMONBC		418247527	1800	3	2			x 8.60
0321	VANCOUVER BC		604 644 0173	1536	4	8	2.28		2.28
0321	MEXICCY FE	MX	525 286 5327	1052	1	8	1.96		-1.96
0321	GLENDALE CA		818 502 1404	1522	2	8	1.26		1.26
0321	GLENDALE CA		818 502 1404	1614	3	8	1.89		1.89
0321	LAGUNA BCH CA		714 497 7597	1618	3	8	1.89		1.89
0322	HAMILTON ON		416 527 3071	0941	4	8	1.24		1.24
0322	GREENVILLE SC		803 281 4981	1043	10	8	5.70		5.70
0322	PRESTON ID		208 852 2890	1412	3	8	1.89		1.89
0322	HAMILTON ON		416 527 3071	1431	1	8		MZ	.34
0322	CHILE		5622316629	1446	12	8	24.50		24.50
0322	HOUSTON TX		713 658 8357	1508	5	8	3.15		3.15
0322	VANCOUVER BC		604 685 0380	1551	1	8	.57		.57
0322	MONTREAL PQ		514 844 3017	1028	2	8	.78		.78
0323	WASHINGTON DC		202 331 9660	0921	2	8	1.10		1.10
0323	MEXICCY FE	MX	525 286 3555	1000	3	8	5.88		5.88
0323	BRIGHTON ON		613 475 1033	1047	11	8	4.07		4.07
0323	RENO NV		702 829 1150	1122	1	8	.63		.63
0323	VANCOUVER BC		604 688 3687	1126	2	8	1.14		1.14
0323	LAKWOOD CO		303 234 9020	1139	10	8	6.30		6.30
0323	ORILLIA ON		705 325 7776	1241	2	8	.72		.72
0323	HAMILTON ON		416 527 3071	1547	1	8		MZ	.34
0323	BRIGHTON ON		613 475 1033	1615	4	8	1.48		1.48
0323	RENO NV		702 829 1150	1654	1	8	.63		.63
0323	CALGARY AB		403 265 5962	1513	3	8	1.71		1.71
0326	TORONTO ON		416 923 8759	0816	1	3			1.82
0326	FROM CHICAGO IL		&						5.41
0326	TORONTO ON		416 923 8759	1220	7	7			
0326	FROM SLT LK UT		&						
0326	VANCOUVER BC		604 689 9333	1149	1	8	.57		.57
0327	TORONTO ON		416 865 9300	1457	1	3			1.82
0327	FROM CALGARY AB		&						
0327	DELRAY BCH FL		407 272 0114	1605	18	8	10.98		10.98
0327	TORONTO ON		416 598 4775	0632	2	3	2.39	.68	1.71
0327	FROM RICHMONBC		&						
0327	VICTORIA BC		604 385 7128	1050	44	8	25.08		25.08
0327	GALT ON		519 740 2100	1519	3	8	1.05		1.05
0327	HELLESLEY ON		519 656 2212	1522	3	8	1.08		1.08
0328	HOUSTON TX		713 658 8357	1016	1	8	.63		.63
0328	HOPE BC		604 869 9631	1140	4	8	2.28		2.28
0328	YARROW BC		604 823 6730	1144	26	8	14.82		14.82
0328	RENO NV		702 825 9118	1336	1	8	.63		.63
0328	HAMILTON ON		416 527 3071	1430	4	8	1.24		1.24
0328	WASHBURN ND		701 462 8149	1459	25	8	15.25		15.25
0328	FERNLEY NV		702 575 4612	1531	34	8	21.42		21.42
0328	RENO NV		702 829 1150	1606	13	8	8.19		8.19
0328	RENO NV		702 826 6305	1619	22	8	13.86		13.86
0328	SAN FRAN CA		415 567 0312	1704	6	8	3.78		3.78
0329	CHILE		5622316629	1052	17	8	34.30		34.30
0329	WASHBURN ND		701 462 8149	1139	14	8	8.54		8.54
0329	SAN FRAN CA		415 567 0312	1155	3	8	1.89		1.89
0329	HOUSTON TX		713 658 8357	1203	2	8	1.26		1.26

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416 865 9300DATE
1990 04 07

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
01	0329	RICHMOND	BC 604 276 0989	1327	1	8	.57	Z	.57
2	0329	HOUSTON	TX 713 658 8357	1332	2	8	1.26	Z	1.26
3	0329	HAMILTON	ON 416 527 3071	1735	2	8	.62	Z	.62
4	0329	FROM RICHMONDBC	604 276 0989	1240	1	4			2.07
5	0329	FROM RICHMONDBC	604 276 0989	1343	12	4			8.34
6	0329	UN KINGDOM	4412537535	1139	1	8	1.83		1.83
7	0329	PRESTON	ID 208 852 2890	1655	1	8	.63		.63
8	0330	TORONTO	ON 416 366 5256	1147	2	7			2.04
		FROM QUEENS NY	&						
9	0402	HAMILTON	ON 416 527 3071	1018	3	8	.93	Z	.93
10	0402	VAIL	CO 303 476 1708	1051	3	8	1.89	Z	1.89
11	0402	CALGARY	AB 403 262 4740	1126	12	8	6.84	Z	6.84
12	0402	ANGELSCAMP	CA 209 728 2035	1157	25	8	15.75		15.75
13	0402	NEW YORK	NY 212 490 1356	1331	2	8	1.04		1.04
14	0402	MONTREAL	PQ 514 861 3052	1333	1	8	.39	Z	.39
15	0402	LAKEFIELD	ON 705 652 3341	1646	4	8	1.44	Z	1.44
16	0402	SAN FRAN	CA 415 567 0311	1650	1	8	.63		.63
17	0402	WASHINGTON	DC 202 479 4000	1116	2	8	1.10		1.10
18	0402	WASHINGTON	DC 202 479 4000	1156	1	8	.55		.55
19	0402	GANGES	BC 604 537 9479	1130	12	8	6.84	Z	6.84
20	0403	GRIMSHAW	AB 403 332 4560	1214	1	8	.57	Z	.57
21	0403	GRIMSHAW	AB 403 332 4562	1215	10	8	5.70	Z	5.70
22	0403	CHILE	5622316629	1225	6	8	12.74		12.74
23	0403	MONTREAL	PQ 514 844 3017	1334	3	8	1.17	Z	1.17
24	0403	BEVERLYHLS	CA 213 278 9990	1407	9	8	5.67		5.67
25	0403	HAMILTON	ON 416 527 3071	1440	1	8		MZ	.34
26	0403	FROM RICHMONDBC	604 276 0989	0729	1	4	2.07		1.73
27	0403	OTTAWA	ON 613 954 3218	1438	2	8	.76	Z	.76
28	0403	STATELINE	NV 702 588 6260	1429	5	8	3.15		3.15
29	0403	MTPLEASANT	TX 214 572 7364	1435	1	8	.61		.61
30	0403	ANGELSCAMP	CA 209 728 2035	1439	1	8	.63		.63
31	0404	WASHINGTON	DC 202 479 4000	1122	12	8	6.60		6.60
32	0404	ANGELSCAMP	CA 209 728 2035	1143	1	8	.63		.63
33	0405	GALT	ON 519 740 2100	1547	1	8	.35	Z	.35
34	0405	TROIS RIV	PQ 819 379 4550	0959	3	8	1.17	Z	1.17
35	0405	WHALLEY	BC 604 589 6297	1338	1	8	.57	Z	.57
36	0405	CHATHAM	ON 519 351 2888	1328	1	8	.38	Z	.38
37	0406	BRIGHTON	ON 613 475 1033	1058	7	8	2.59	Z	2.59
38	0406	CALGARY	AB 403 265 4490	1115	1	8	.57	Z	.57
39	0406	S S MARIE	ON 705 942 1327	1320	1	8	.39	Z	.39
40	0406	GALT	ON 519 740 2100	1102	1	8	.35	Z	.35
41	0327	DIR. ASSISTANCE	245 5777	1327		8		Q	.60

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA

SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY

227.39

TAX-FED. 82.35

TAX-PROV. 57.10

SUB-TOTAL OF NON TELEPLUS CANADA CALLS 772.69

SUB-TOTAL INCLUDING TAX 912.14

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED 227.39
MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT 100.00
DISCOUNT FOR CANADA PLAN 15.00TAX-FED. 23.36
TAX-PROV. 18.86SUB-TOTAL 212.39
SUB-TOTAL INCLUDING TAX 254.61TOTAL CHARGEABLE MESSAGES 985.08
TAX-FED. 105.71
TAX-PROV. 75.96 181.67CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
WE APOLOGIZE FOR THE LATE BILLING OF SOME CALLS DUE TO TEMPORARY DIFFICULTIES
THANK YOU FOR USING BELL LONG DISTANCE

Bell

See reverse for more information

277.01 X
19. 3
52.63 +

0.0

277.01 +
52.63 +
329.54 + T

TELEPHONE NUMBER	DATE	JNT DUE	AMOUNT PAID
416 865 9300	1990 03 07	1108.72	
822 0409 4	45	138	6865 9300 82204 040

— PLEASE DETACH AND
RETURN - DO NOT STAPLE

45
LASTCORP INVESTMENTS LTD P
S 3310
130 ADELAIDE W
TORONTO ONTARIO
MSH 3PS

065654593006320008220900307040944000000001108720

* * * DETACH HERE * * *

INQUIRIES: BILLING - 321-5468
ORDERS - 599-8161

PAGE TELEPHONE NUMBER
1 416 865 9300
 LASTCORP INVESTMENTS LTD

DATE
1990 03 07

* * * ACCOUNT SUMMARY * * *

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - FED.	27.53
TAX - PROV.	42.10
OTHER CHARGES OR CREDITS	500.00
CHARGEABLE MESSAGES	855.70
TAX - FED.	92.60
TAX - PROV.	66.14
DIRECTORY ADVERTISING	18.95
TOTAL CURRENT CHARGES	1108.72
= AMOUNT DUE	1108.72

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 03 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

* * * OTHER CHARGES OR CREDITS * * *

DESCRIPTION	MONTHLY RATE	AMOUNT
01 17 CREDIT FOR PAYMENT MADE IN ADVANCE		500.00
TOTAL OTHER CHARGES OR CREDITS		500.00

7

* * * CHARGEABLE MESSAGES * * *

NO	DATE	LOCATION	NUMBER	START MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0112	TORONTO	4162361489	2300	4	3		5.73
		FROM VENEZUEL R						
2	0206	TORONTO	416 236 1489	1616	1	7		1.63
		ON						
		FROM VAIL CO						

Bell

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2 416 865 9300DATE
1990 03 07

X X X CHARGEABLE MESSAGES X X X

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0206	TORONTO FROM VAIL	ON 416 236 1489	1741	1	7			1.63
2	0207	TORONTO FROM VAIL	ON 416 236 1489	0753	4	7	3.52	1.51	2.01
3	0207	TORONTO FROM VAIL	ON 416 960 3800	0903	1	7			1.63
4	0207	TORONTO FROM VAIL	ON 416 960 3800	0950	1	7			1.63
5	0207	TORONTO FROM VAIL	ON 416 960 3800	1109	4	7			3.52
6	0207	TORONTO FROM VAIL	ON 416 960 3800	1331	2	7			2.26
7	0207	TORONTO FROM VAIL	ON 416 980 3783	1351	6	7			4.78
8	0207	BOCA RATON FROM VAIL	FL 407 483 3591	1558	43	7			E 13.85
		1.1993% EXCHANGE RATE							
9	0207	BOCA RATON	FL 407 483 3591	0900	1	8	.61		.61
10	0207	BERMUDA	8092951422	1137	4	8	5.18		5.18
11	0208	TORONTO FROM VAIL	ON 416 941 9440	0735	2	7	2.26	.76	1.50
12	0208	TORONTO FROM VAIL	ON 416 960 3800	1108	3	7			2.89
13	0208	TORONTO FROM VAIL	ON 416 865 9300	1343	3	7			2.89
14	0208	CALEDON FROM VAIL	ON 519 927 3813	1735	19	7			12.97
15	0208	HAMILTON	ON 416 527 3071	1347	2	8	.62		Z .62
16	0208	MONTREAL	PQ 514 844 3017	1443	1	8	.39		Z .39
17	0209	TORONTO FROM D FW IATX	ON 416 865 9300	1233	1	7			1.63
18	0209	MONTREAL	PQ 514 844 3017	1003	3	8	1.17		Z 1.17
19	0212	S S MARIE	ON 705 942 1327	1003	1	8	.39		Z .39
20	0212	ORILLIA	ON 705 325 7777	1556	1	8	.36		Z .36
21	0212	BARRIE	ON 705 721 6282	1559	1	8	.35		Z .35
22	0212	LEWISTON	NY 716 754 4346	1603	7	8	2.31		Z 2.31
23	0212	MONTREAL	PQ 514 844 3017	1150	2	8	.78		Z .78
24	0212	BOLIVIA	5912377724	1144	1	8	4.28		Z 4.28
25	0212	LAKEFIELD	ON 705 652 3341	1446	8	8	2.88		Z 2.88
26	0212	MINNEAPOLIS	MN 612 331 4370	1501	13	8	7.67		Z 7.67
27	0212	OTTAWA	ON 613 747 8124	1514	20	8	7.60		Z 7.60
28	0212	MONTREAL	PQ 514 739 0272	1617	1	8	.39		Z .39
29	0212	MONTREAL	PQ 514 739 0272	1623	1	8	.39		Z .39
30	0212	MONTREAL	PQ 514 739 0272	1632	27	8	10.53		Z 10.53
31	0213	MILFORD BY	ON 705 764 1171	0924	1	8	.37		Z .37
32	0213	BOCA RATON	FL 407 338 4003	0925	3	8	1.83		Z 1.83
33	0213	ORILLIA	ON 705 325 7777	1009	1	8	.36		Z .36
34	0213	BRANTFORD	ON 519 756 0250	1038	1	8	.35		Z .35
35	0213	VAIL	CO 303 476 1706	1128	1	8	.63		.63
36	0213	ROCHESTER	NY 716 621 4210	1159	3	8	1.20		Z 1.20
37	0213	MILFORD BY	ON 705 764 1171	1203	2	8	.74		Z .74
38	0213	KELOWNA	BC 604 762 0944	1423	6	8	3.42		Z 3.42
39	0213	FROM RICHMONBC	604 276 0989	0734	1	4	2.07	.34	1.73
40	0213	FROM RICHMONBC	604 276 0989	1224	2	4			2.64
41	0213	IXTAZNJ GU	MX 527 434 3080	0907	1	8	2.04		Z 2.04
42	0213	IXTAZNJ GU	MX 527 434 3462	0921	1	8	2.04		Z 2.04
43	0213	MEXICCY FE	MX 525 203 2121	1007	1	8	1.96		1.96
44	0213	CDLZCRS MI	MX 527 433 2121	1015	2	8	3.92		3.92
45	0213	BOLIVIA	5912377724	1048	4	8	12.83		Z 12.83
46	0213	WILLIAMSVL	NY 716 632 7200	1056	16	8	5.92		5.92
47	0213	BOLIVIA	5912377724	1043	2	8	7.13		Z 7.13
48	0213	BOLIVIA	5912377724	1045	1	8	4.28		4.28
49	0214	BARRIE	ON 705 721 6282	1047	1	8	.35		Z .35
50	0214	BARRIE	ON 705 726 1859	1520	1	8	.35		Z .35
51	0214	WASAGA BCH	ON 705 429 4242	1321	1	8	.36		Z .36
52	0214	CALGARY	AB 403 258 6411	1332	3	8	1.71		Z 1.71
53	0214	BARRIE	ON 705 726 1859	1430	2	8	.70		.70
54	0214	BARRIE	ON 705 722 7377	1507	5	8	1.75		Z 1.75
55	0214	WASAGA BCH	ON 705 429 4242	1615	1	8	.36		Z .36
56	0214	WASAGA BCH	ON 705 429 4242	1617	1	8	.36		Z .36

Bell

See reverse for more information

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0214	CALGARY	AB 403 258 6411	1319	1	8	.57		.57
2	0214	EDMONTON	AB 403 452 0154	1554	18	8	10.26		10.26
3	0215	S S MARIE	ON 705 942 1351	0904	2	8	.78		.78
4	0215	OTTAWA	ON 613 954 3122	0905	3	8	1.14		1.14
5	0215	LONGUEUIL	PQ 514 677 6333	0913	18	8	7.02		7.02
6	0215	BRIGHTON	ON 613 475 1033	1052	14	8	5.18		5.18
7	0215	CORAOPOLIS	PA 412 262 2681	1152	1	8	.49		.49
8	0215	CHILE	5622289544	1353	2	8	4.90		4.90
9	0215	CHILE	5622289544	1356	4	8	8.82		8.82
10	0215	TULSA	OK 918 583 7124	1452	1	8	.61		.61
11	0215	BRIGHTON	ON 613 475 1033	1618	4	8	1.48		1.48
12	0215	FROM CHILE	56240842	1200	7	P4			19.60
13	0215	FROM RICHMONBC	604 276 0989	0753	4	4	3.78	1.37	2.41
14	0215	FROM RICHMONBC	604 276 0989	0805	12	4			8.34
15	0215	BOLIVIA	5912377724	0927	2	8	7.13		7.13
16	0215	RICHMOND	BC 604 276 0989	0930	2	8	1.14		1.14
17	0215	CHILE	563533935	1014	2	8	4.90		4.90
18	0216	CORAOPOLIS	PA 412 262 2681	0959	17	8	8.33		8.33
19	0216	BRIGHTON	ON 613 475 1033	1023	17	8	6.29		6.29
20	0216	LAKEFIELD	ON 705 652 3341	1111	8	8	2.88		2.88
21	0216	LAKEFIELD	ON 705 652 3341	1124	8	8	2.88		2.88
22	0216	RICHMOND	BC 604 276 0989	1339	6	8	3.42		3.42
23	0216	RICHMOND	BC 604 276 0989	1402	11	8	6.27		6.27
24	0216	RICHMOND	BC 604 276 0989	1414	9	8	5.13		5.13
25	0216	BOLIVIA	5912377724	1455	1	8	4.28		4.28
26	0216	BOLIVIA	5912377724	1457	15	8	44.18		44.18
27	0216	RICHMOND	BC 604 276 0989	1516	1	8	.57		.57
28	0216	MONTREAL	PQ 514 844 3017	1525	4	8	1.56		1.56
29	0216	BOLIVIA	912328982	1000	4	2			14.25
		FROM RICHMONBC							
30	0219	DOWNERSGRV	IL 708 971 2500	0829	1	8	.57		.57
31	0219	NETHRNL K	31598751911	0840	9	8	8.74		8.74
32	0219	UN KINGDOM	4418349070	0907	1	8	1.83		1.83
33	0219	DOWNERSGRV	IL 708 971 2500	0908	1	8	.57		.57
34	0219	DOWNERSGRV	IL 708 971 2500	0910	5	8	2.85		2.85
35	0219	NAPERVILLE	IL 708 369 3700	0915	2	8	1.14		1.14
36	0219	NAPERVILLE	IL 708 369 3700	0920	7	8	3.99		3.99
37	0219	FRANKLINPK	IL 708 671 7230	0934	2	8	1.14		1.14
38	0219	MONTREAL	PQ 514 844 3017	0936	17	8	6.63		6.63
39	0219	FRANKLINPK	IL 708 671 7230	0957	6	8	3.42		3.42
40	0219	FRANKLINPK	IL 708 671 7230	1024	5	8	2.85		2.85
41	0219	NAPERVILLE	IL 708 369 3700	1107	4	8	2.28		2.28
42	0219	BRANTFORD	ON 519 756 0250	1111	2	8	.70		.70
43	0219	NAPERVILLE	IL 708 369 3700	1414	4	8	2.28		2.28
44	0219	BOLIVIA	5912310182	1522	1	8	4.28		4.28
45	0219	CARNEGIE	PA 412 787 5380	1532	1	8	.49		.49
46	0219	BOLIVIA	5912328982	1534	6	8	18.53		18.53
47	0219	BOLIVIA	5912357238	1545	1	8	4.28		4.28
48	0219	FROM RICHMONBC	604 276 0989	0748	2	4	2.64	.68	1.96
49	0219	BOLIVIA	912357238	0800	19	2			57.00
		FROM RICHMONBC							
50	0219	FROM RICHMONBC	604 276 0989	0829	12	4			8.34
51	0219	BOLIVIA	912793692	1700	8	2			25.65
		FROM RICHMONBC							
52	0219	LEWISTON	NY 716 754 4346	1523	1	8	.33		.33
53	0219	CHILE	563533935	1251	3	8	6.86		6.86
54	0220	CALGARY	AB 403 265 4490	1137	1	8	.57		.57
55	0221	CALGARY	AB 403 261 2057	1024	9	8	5.13		5.13
56	0221	CALGARY	AB 403 271 9400	1145	5	8	2.85		2.85
57	0221	TIMMINS	ON 705 264 9484	1404	1	8	.39		.39
58	0221	OTTAWA	ON 613 992 7992	1414	2	8	.76		.76
59	0221	CORAOPOLIS	PA 412 262 2681	1432	11	8	5.39		5.39
60	0221	BRIGHTON	ON 613 475 1033	1452	7	8	2.59		2.59
61	0221	NEW YORK	NY 212 219 0400	1516	12	8	6.24		6.24
62	0221	FORT SASK	AB 403 998 6911	1606	8	8	4.56		4.56
63	0221	CHILE	56240842	1658	1	8	2.94		2.94
64	0221	CHILE	563533935	1700	12	8	24.50		24.50
65	0221	DOWNERSGRV	IL 708 971 2500	1433	1	8	.57		.57
66	0221	NAPERVILLE	IL 708 369 3700	1435	1	8	.57		.57
67	0221	LAKEFIELD	ON 705 652 3341	1452	2	8	.72		.72

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* * * CHARGEABLE MESSAGES * * *

NO	DATE	LOCATION	NUMBER	START	MIN	E	CHARGE	DISCOUNT	AMOUNT
1	0221	CARNEGIE	PA 412 787 5380	1540	8	8	3.92		-3.9.
2	0221	VENEZUEL R	5825741122	1557	1	8	1.83		1.8
3	0221	BRANTFORD	ON 519 756 0250	1521	4	8	1.40	Z	1.41
4	0221	MONTREAL	PQ 514 844 3017	1611	20	8	7.80	Z	7.81
5	0221	CHILE	56240842	1656	2	8	4.90		4.91
6	0222	RICHMOND	BC 604 276 0989	1107	1	8	.57	Z	-5.
7	0222	TIMMINS	ON 705 264 9484	1433	1	8	.39	Z	-3.
8	0222	CORAOPOLIS	PA 412 262 2681	1543	2	8	.98		-9.
9	0222	NEW YORK	NY 212 818 9010	1545	3	8	1.56		1.56
10	0222	FROM RICHMONBC	604 276 0989	0822	9	4			6.6.
11	0223	NEW YORK	NY 212 818 9010	0919	1	8	.52		.52
12	0223	CUERNAC MO	MX 527 316 1988	0952	22	8	43.12		-43.1.
13	0223	HAMILTON	ON 416 527 3071	1153	9	8	2.79	Z	2.7.
14	0223	HAMILTON	ON 416 527 3071	1204	2	6	.62	Z	.6.
15	0223	MONTREAL	PQ 514 844 3017	1208	9	8	3.51	Z	3.5.
16	0223	RICHMOND	BC 604 276 0989	1420	1	8	.57	Z	.5.
17	0223	CHILE	5622316629	1529	8	8	16.66		16.66
18	0223	CHILE	562498513	1537	1	8	2.94		2.94
19	0223	FROM RICHMONBC	604 276 0989	1144	20	4			12.91
20	0223	TIMMINS	ON 705 264 9484	1107	8	8	3.12	Z	3.12
21	0223	ERIE	PA 814 838 1133	1121	2	8	.86		.86
22	0223	FARMINGTON	MI 313 476 8873	1140	1	8	.49		-1.41
23	0223	SOUTHFIELD	MI 313 424 3000	1143	3	8	1.41		-1.41
24	0226	SOUTHFIELD	MI 313 424 3000	1503	11	8	5.17		-5.17
25	0226	SOUTHFIELD	MI 313 356 4333	1516	3	8	1.41		-1.41
26	0226	RICHMOND	BC 604 276 0989	1446	6	8	3.42	Z	3.4.
27	0227	NEW YORK	NY 212 219 0400	0959	1	8	.52		.52
28	0227	CHICAGO	IL 312 280 8800	1510	27	8	15.39		-15.3.
29	0227	CALGARY	AB 403 271 9400	1604	5	8	2.85	Z	-2.8.
30	0227	FARMINGTON	MI 313 476 8873	1610	2	8	.98		-1.98
31	0227	SOUTHFIELD	MI 313 424 3000	1612	3	8	1.41		-1.41
32	0227	SCOTTSDALE	AZ 602 948 2100	1538	2	8	1.26		-1.26
33	0227	LAKEFIELD	ON 705 652 3341	0946	1	8	.36	Z	.36
34	0227	OTTAWA	ON 613 992 8794	0947	14	8	5.32	Z	5.32
35	0228	WASHINGTON	DC 202 473 0721	1023	1	8	.55		.55
36	0228	EASTAURORA	NY 716 652 1090	1149	1	8	.37		.37
37	0228	CALGARY	AB 403 294 4994	1306	1	8	.57	Z	.57
38	0228	TIMMINS	ON 705 267 1141	1352	12	8	4.68	Z	4.68
39	0228	CALGARY	AB 403 294 4987	1412	1	8	.57	Z	.57
40	0228	RICHMOND	BC 604 276 0989	1610	6	8	3.42	Z	3.42
41	0228	EDMONTON	AB 403 424 4653	1617	3	8	1.71	Z	1.71
42	0228	BOCA RATON	FL 407 483 3591	1727	18	8	10.98		10.98
43	0228	VICTORIA	BC 604 385 7128	1709	24	8	13.68	Z	13.68
44	0228	CALGARY	AB 403 261 2057	1308	1	8	.57	Z	.57
45	0228	BECANCOUR	PQ 819 294 9961	1519	2	8	.78		-1.78
46	0228	OTTAWA	ON 613 747 8124	1406	12	8	4.56	Z	4.56
47	0228	FORT SASK	AB 403 998 6911	1459	2	8	1.14	Z	1.14
48	0301	BECANCOUR	PQ 819 294 9961	0947	3	8	1.17	Z	1.17
49	0301	CALGARY	AB 403 237 0878	1139	1	8	.57	Z	.57
50	0301	ROXBORO	PQ 514 684 1032	1141	1	8	.39	Z	.39
51	0301	MONTREAL	PQ 514 364 0323	1142	1	8	.39	Z	.39
52	0301	ROXBORO	PQ 514 684 1032	1142	1	8	.39	Z	.39
53	0301	BECANCOUR	PQ 819 294 9961	1144	3	8	1.17	Z	1.17
54	0301	ROXBORO	PQ 514 684 0122	1147	5	8	1.95	Z	1.95
55	0301	HOUSTON	TX 713 658 8357	1308	2	8	1.26		-1.26
56	0301	HAMILTON	ON 416 527 3071	1337	1	8			
57	0301	CHILE	5622316629	1422	1	8	2.94		2.94
58	0301	CHILE	5622316629	1423	6	8	12.74		12.74
59	0301	HOUSTON	TX 713 658 8357	1436	1	8	.63		.63
60	0301	EDMONTON	AB 403 424 4653	1525	1	8	.57	Z	.57
61	0301	ASPEN	CO 303 920 1700	1548	9	8	5.67		5.67
62	0301	EDMONTON	AB 403 424 4653	1557	11	8	6.27	Z	6.27
63	0301	ROXBORO	PQ 514 684 1022	1137	1	8	.39	Z	.39
64	0301	VENEZUEL R	5825750024	1603	1	8	1.83		1.83
65	0301	MIAMI	FL 305 789 3714	1047	5	8	3.15		-3.1.
66	0301	CORAOPOLIS	PA 412 262 2681	0932	5	8	2.45		-2.45
67	0301	ROXBORO	PQ 514 684 1022	1140	1	8	.39	Z	.39
68	0302	TORONTO	ON 416 867 6053	1338	6	7			4.60

FROM BOCA R FL

Bell

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1990 03 07

*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	0302	TORONTO	ON 416 926 9256	1709	4	7			3.44
		FROM BOCA R	FL						
2	0302	BOCA RATON	FL 407 483 3591	1336	2	8	1.22		1.22
3	0302	CALGARY	AB 403 261 2057	1341	1	8	.57	Z	.57
4	0302	GLENDALE	CA 818 502 1404	1038	1	8	.63		.63
5	0302	DELRAY BCH	FL 407 278 8636	1335	1	8	.61		.61
6	0305	EASTAURORA	NY 716 652 1090	1112	2	8	.74		.74
7	0305	PHOENIX	AZ 602 495 9049	1118	1	8	.63		.63
8	0305	FARMINGTON	MI 313 476 8873	1120	1	8	.49		.49
9	0305	EASTAURORA	NY 716 652 1090	1121	1	8	.37		.37
10	0305	SOUTHFIELD	MI 313 424 3000	1122	6	8	2.82		2.82
11	0305	PHOENIX	AZ 602 263 5151	1222	6	8	3.78		3.78
12	0305	PHOENIX	AZ 602 495 9049	1241	9	8	5.67		5.67
13	0305	CALGARY	AB 403 261 5958	1244	1	8	.57	Z	.57
14	0305	LONDON	ON 519 471 5462	1522	2	8	.74	Z	.74
15	0305	FORT SASK	AB 403 992 5102	1527	11	8	6.27	Z	6.27
16	0306	HOUSTON	TX 713 658 8357	1030	21	8	13.23		13.23
17	0306	BURLINGTON	ON 416 332 6692	1231	2	8	.62	Z	.62
18	0306	BRANTFORD	ON 519 756 9961	1038	2	8	.70	Z	.70
19	0306	HOUSTON	TX 713 658 8357	1130	1	8	.63		.63
20	0306	SOUTHFIELD	MI 313 424 6673	1139	1	8	.47		.47
21	0306	SOUTHFIELD	MI 313 424 6673	1204	2	8	.94		.94

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA

SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY

206.36

TAX-FED. 71.55

TAX-PROV. 49.15

SUB-TOTAL OF NON TELEPLUS CANADA CALLS 664.34

SUB-TOTAL INCLUDING TAX 785.04

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED	206.36
MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT	100.00
DISCOUNT FOR CANADA PLAN	15.00

TAX-FED. 21.05

TAX-PROV. 16.99

SUB-TOTAL 191.36

SUB-TOTAL INCLUDING TAX 229.40

TOTAL CHARGEABLE MESSAGES	855.70
TAX-FED.	92.60
TAX-PROV.	65.14
	158.74

CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
THANK YOU FOR USING BELL LONG DISTANCE

THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
(23.14% PER ANNUM)

THANK YOU FOR YOUR CO-OPERATION IN CHANGING YOUR DIALING
HABITS TO INCLUDE 1-416 WHEN CALLING LONG DISTANCE IN THE
416 AREA CODE. THIS WILL HELP IN MAKING MORE NUMBERS AVAILABLE
FOR NEW AND EXISTING CUSTOMERS. WE APPRECIATE YOUR HELP!

294.71 X
19.0 %
55.99 +

0.0

294.71 +
55.99 +
360.70 + T

2.0 .
1.47 +
0.49 +
1.71 +
3.42 +
0.34 +
0.34 +
0.36 +
0.36 +
6.84 +

BELL

Member of Telecom Canada

TELEPHONE NUMBER	DATE	AMOUNT DUE	AMOUNT PAID
416 865 9300 822 0307 4	1990 02 07 45	2791.46	
			6865 9300 82204 032

PLEASE DETACH AND
RETURN - DO NOT STAPLE

45
LASTCORP INVESTMENTS LTD S
S 3310
130 ADELAIDE W
TORONTO ONTARIO
MSH 3P5

065654593006320008220900207030744000000002791464

* * * DETACH HERE * * *

INQUIRIES: BILLING - 585-2044
ORDERS - 599-8161

PAGE TELEPHONE NUMBER
1 416 865 9300
 LASTCORP INVESTMENTS LTD

DATE
1990 02 07

* * * ACCOUNT SUMMARY * * *

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - FED.	27.53
TAX - PROV.	42.10
OTHER CHARGES OR CREDITS	905.23
TAX - FED.	12.77
TAX - PROV.	43.23
CHARGEABLE MESSAGES	56.00
TAX - FED.	108.91
TAX - PROV.	85.50
DIRECTORY ADVERTISING	1041.54
	18.95
TOTAL CURRENT CHARGES	2791.46

= AMOUNT DUE

2791.46

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 02 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

* * * OTHER CHARGES OR CREDITS * * *

DESCRIPTION	MONTHLY RATE	AMOUNT
ORDER NO C 67251		
CREDIT FROM 01 31 TO 02 06 FOR SERVICE REMOVED		
CONNECTION ARRANGEMENTS ON SYSTEM		
6 3 PR STATION CONNECTION-TRAD PB		
6 POSITION JACK		
VANTAGE 12 COMMON EQUIPMENT	62.25	14.53 ^{xx}
5 VANTAGE 12 LINE-TELEPHONE CARD	42.25	9.86 ^{xx}
8 BUSINESS TELEPHONE	22.40	5.23 ^{xx}
8 VANTAGE 12 TELEPHONE	102.00	23.80 ^{xx}
5 VANTAGE 12 INTERCOM MODULE	28.25	6.59 ^{xx}
3 VANTAGE 12 HANDSFREE UNIT	25.35	5.92 ^{xx}

Bell

See reverse for more information

PAGE 2 TELEPHONE NUMBER
2 416 865 9300

DATE
1990 02 07

* * * OTHER CHARGES OR CREDITS * * *

DESCRIPTION	MONTHLY RATE	AMOUNT
CHARGE FROM 01 31 TO 02 06 FOR SERVICE ADDED		
CONNECTION ARRANGEMENTS ON SYSTEM		
6 POSITION JACK	3.80	.89
TOUCH-TONE ON BUSINESS LINE		
REFERENCE 01	193.90	45.24
INIT SERV PERIOD ARRG		
10 TELEPHONE - RSP	23.50	5.48
10 NORSTAR 10 BUTTON TELEPHONE M7310	2.10	.49
NORSTAR BUSY LAMP FIELD	13.50	3.15
NORSTAR COMPACT COMMUN EQUIPMENT		
REFERENCE 02	7.00	1.63
INIT SERV PERIOD ARRG		
10 3 PR STATION CONNECTION -RSP		
REFERENCE 03		
6 POSITION JACK		
POWER FAILURE SET		
EQUIVALENT NUMBER 001		
865-1413		
BUSINESS INDIVIDUAL LINE	44.70	10.43
EQUIV BUS OR RES	3.85	.90
865-9300		
TELEPLUS CANADA PLAN 4	4.00	.93
NON-TAXABLE SERVICE CHARGE FOR WORK ON 01 31		351.25
TAXABLE SERVICE CHARGE FOR WORK ON 01 31		531.90
ADJUSTMENT DUE TO RECENT CHANGE IN RATE FROM 01 16 TO 02 06	26.95	18.87
TOTAL OTHER CHARGES OR CREDITS		905.23
TAX FED.	12.77	
PROV. TAX	43.23	56.00

* * * CHARGEABLE MESSAGES * * *

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0102	UNIONVILLE ON FROM MIAMI FL	416 474 2880	1109	2	7			2.26
2	0102	UNIONVILLE ON FROM MIAMI FL	416 474 2111	1112	1	7			1.63
3	0102	TORONTO ON FROM MIAMI FL	416 296 3745	1113	2	7			2.26
4	0102	TORONTO ON FROM MIAMI FL	416 487 1055	1116	2	7			2.26
5	0102	BOCA RATON FL FROM MIAMI FL	407 483 3591	1117	15	7			4.79
		1.1715X EXCHANGE RATE							
6	0102	UNIONVILLE ON FROM MIAMI FL	416 474 2880	1133	1	7			1.63
7	0102	TORONTO ON FROM MIAMI FL	416 974 6292	1136	6	7			4.78
8	0102	TORONTO ON FROM MIAMI FL	416 865 9300	1142	10	7			7.30
9	0102	CALGARY AB FROM MIAMI FL	403 294 4994	1153	3	7			2.86
10	0102	TORONTO ON FROM MIAMI FL	416 360 8400	1156	4	7			3.52
11	0103	TORONTO FROM CAYMAN IS	4168659300	1100	3	3			5.48
12	0103	CALGARY FROM CAYMAN IS	4032944994	1500	6	3			9.59

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416 865 9300DATE
1990 02 07

*** CHARGEABLE MESSAGES ***

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	0103	TORONTO FROM CAYMAN IS	4169746292	1600	3	3			5.48
2	0104	TORONTO FROM CAYMAN IS	4169777999	1400	3	3			5.48
3	0105	VEZUELA FROM RICHMONBC	822832030	0800	3	2		X	4.88
4	0105	VEZUELA FROM RICHMONBC	822845070	0800	3	2		X	4.88
5	0105	FROM RICHMONBC	604 276 0989	0829	3	P4			5.46
6	0108	CAYMAN IS	8099498553	1043	1	8			2.06
7	0108	VEZUELA FROM RICHMONBC	822845524	0700	3	2		X	4.88
8	0108	FROM RICHMONBC	604 276 0989	0714	4	P4	2.06		6.03
9	0108	BOCA RATON FROM CAYMAN IS	4074833591	1200	2	3	6.03	1.37	4.66
		1.1715% EXCHANGE RATE					E		6.94
10	0108	DELRAY BCH FROM CAYMAN IS	4072720114	1300	4	3			E 8.18
		1.1715% EXCHANGE RATE							E 13.14
11	0108	BOCA RATON FROM CAYMAN IS	4074833591	1700	8	3			19.18
		1.1715% EXCHANGE RATE							26.03
12	0108	TORONTO FROM CAYMAN IS	4165984775	1100	11	P3			5.48
13	0108	TORONTO FROM CAYMAN IS	4168659300	1100	18	3			.63
14	0108	TORONTO FROM CAYMAN IS	4169777999	1100	3	3			.63
15	0108	RENO NV	702 322 7531	1131	1	8	.378		3.78
16	0108	RENO NV	702 323 5201	1132	6	8	.78		.78
17	0108	MONTREAL PQ	514 844 3017	1143	2	8			E 6.94
18	0109	DELRAY BCH FROM CAYMAN IS	4072720114	1500	2	3			.62
		1.1715% EXCHANGE RATE							4.29
19	0109	BURLINGTON ON	416 335 8330	0847	2	8	.62		10.71
20	0109	S ST MARIE ON	705 946 0139	1121	11	8	4.29		38.22
21	0109	CHILE	5622316629	1413	19	8	38.22		2.52
22	0109	ENNIS MT	406 682 7662	1525	17	8	10.71		4.28
23	0109	PETERBRGH ON	705 742 4652	1552	7	8	2.52		4.15
24	0109	BOLIVIA	5912377724	1248	1	8	4.28		.62
25	0110	TORONTO ON	416 960 3800	1604	5	7			4.05
		FROM MIAMI FL	&						2.83
26	0110	TORONTO ON	416 657 8986	0810	5	7			1.61
		FROM BOCA R FL							8.93
27	0110	TORONTO ON	416 487 1055	0816	3	7			
		FROM BOCA R FL							2.22
28	0110	TORONTO ON	416 236 1489	0846	1	7			
		FROM BOCA R FL							37.24
29	0110	TORONTO ON	416 960 3800	0944	13	7			10.83
		FROM BOCA R FL							1.22
30	0110	VENEZUELA	5822855555	1000	4	3			.57
		FROM BOCA R FL							7.13
		1.1715% EXCHANGE RATE							4.28
31	0110	TORONTO ON	416 865 9300	1106	44	7			.62
		FROM BOCA R FL							2.94
32	0110	TORONTO ON	416 977 7999	1356	2	7			.49
		FROM BOCA R FL							1.83
33	0110	FROM CHILE	5622310323	1600	16	P4			1.83
34	0110	RICHMOND BC	604 276 0989	1200	19	8	10.83		.57
35	0110	BOCA RATON FL	407 483 3591	1447	2	8	1.22		7.13
36	0110	CALGARY AB	403 266 4979	1533	1	8	.57		4.28
37	0110	BOLIVIA	5912377724	1041	2	8	7.13		.62
38	0110	BOLIVIA	5912377724	1345	1	8	4.28		.36
39	0110	HAMILTON ON	416 527 3071	1514	2	8	.62		2.94
40	0110	HAMILTON ON	416 527 3071	1520	1	8			.49
41	0110	CHILE	5622426278	1523	1	8			1.83
42	0111	CORAOPOLIS PA	412 262 2681	1301	1	8			.57
43	0111	VENEZUEL R	5825741122	0907	1	8			2.73
44	0111	CHARLOTTE NC	704 332 8171	1034	1	8			.57
45	0111	MONTREAL PQ	514 844 3017	1135	7	8			.57

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416 865 9300

DATE
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* * * CHARGEABLE MESSAGES * * *

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0111	ALFRED NY	607 871 2449	1326	6	8	2.58		2.58✓
2	0111	NEWMARKET ON	416 895 8540	1446	2	8	.52		.52
3	0111	CHILE	5622319120	0959	5	8	10.78		10.78
4	0111	CHILE	5622319120	1113	2	8	4.90		4.90
5	0112	FROM CHILE	5622316348	1300	4	P4			13.72
6	0112	CHILE	5622319120	0928	2	8	4.90		4.90
7	0112	BOLIVIA	5912377724	1505	5	8	15.68		15.68
8	0113	TORONTO ON	416 236 1489	1645	4	3			3.61
		FROM ATLANTAGA							
		0.7320X EXCHANGE RATE							
9	0115	FROM RICHMONBC	604 276 0989	1159	10	P4			9.45✓
10	0115	BRIGHTON ON	613 475 1033	0952	1	8	.37		.37
11	0115	CHARLOTTE NC	704 332 8171	1112	2	8	1.14		1.14✓
12	0115	TULSA OK	918 583 7124	1125	4	8	2.44		2.44✓
13	0115	NO PHOENIX AZ	602 866 0085	1337	7	8	4.41		4.41✓
14	0115	CALGARY AB	403 266 3688	1415	1	8	.57		.57✓
15	0115	RICHMOND BC	604 276 0989	1418	1	8	.57		.57
16	0115	CHILE	5622316629	1424	10	8	20.58		20.58
17	0116	CALEDON ON	519 927 3369	1134	2	8	.62		.62
18	0116	CAPE HAZE FL	813 697 2043	1213	13	8	7.93		7.93
19	0116	WPALMBEACH FL	407 433 0245	1407	11	8	6.71		6.71
20	0116	BARRIE ON	705 726 1859	1103	3	8	1.05		1.05
21	0116	BARRIE ON	705 726 0591	1119	4	8	1.40		1.40
22	0116	WASHINGTON DC	202 473 0721	1152	1	8	.55		.55
23	0116	NEW YORK NY	212 818 9010	1439	4	8	2.08		2.08✓
24	0116	CHILE	5622316629	1446	1	8	2.94		2.94✓
25	0116	CORAOPOLIS PA	412 262 2681	1447	3	8	1.47		1.47✓
26	0116	CHILE	5622316629	1554	5	8	10.78		10.78
27	0116	VENEZUEL R	5825741122	1118	1	8	1.83		1.83
28	0116	VAIL CO	303 476 3239	1156	4	8	2.52		2.52✓
29	0117	CORAOPOLIS PA	412 262 2681	1030	1	8	.49		.49✓
30	0117	DRILLIA ON	705 325 7907	1123	1	8	.36		.36✓
31	0117	CALGARY AB	403 266 7271	1021	3	8	1.71		1.71✓
32	0117	CALGARY AB	403 265 4490	1120	6	8	3.42		3.42✓
33	0118	HAMILTON ON	416 527 3071	1437	1	8	.34		.34✓
34	0118	CHILE	5622319120	1105	1	8	2.94		2.94✓
35	0118	CHILE	5622319120	1127	2	8	4.90		4.90✓
36	0118	CHILE	5622319120	1618	1	8	2.94		2.94✓
37	0118	HAMILTON ON	416 527 3071	1439	1	8	.36		.36✓
38	0119	LAKEFIELD ON	705 652 3341	0930	1	8	.36		.36✓
39	0119	LAKEFIELD ON	705 652 3341	0939	1	8	.36		.36✓
40	0119	PETERBRGH ON	705 742 4652	0940	19	8	6.84		6.84✓
41	0119	CHARLOTTE NC	704 332 8171	1001	5	8	2.85		2.85✓
42	0119	CUERNAC MO MX	527 316 0211	1101	5	8	9.80		9.80✓
43	0119	CORAOPOLIS PA	412 262 2681	1109	8	8	3.92		3.92✓
44	0119	RICHMOND BC	604 276 0989	1400	15	8	8.55		8.55✓
45	0119	CHARLOTTE NC	704 377 0400	1549	4	8	2.28		2.28✓
46	0122	HAMILTON ON	416 527 3071	1526	5	8	1.55		1.55✓
47	0122	FROM RICHMONBC	604 276 0989	1300	1	4	.57		.57
48	0122	RICHMOND BC	604 276 0989	1343	1	8	1.24		1.24✓
49	0122	HAMILTON ON	416 527 3071	1400	4	8	.36		.36✓
50	0122	PETERBRGH ON	705 742 4652	1556	1	8	3.60		3.60✓
51	0122	LAKEFIELD ON	705 652 3341	1557	10	8	4.56		4.56✓
52	0122	RICHMOND BC	604 276 0989	1608	8	8	2.59		2.59✓
53	0123	EASTAURORA NY	716 652 1090	1100	7	8	9.45		9.45✓
54	0123	FROM RICHMONBC	604 276 0989	1343	10	P4	.70		.70
55	0123	BARRIE ON	705 737 2142	0940	2	8	1.96		1.96✓
56	0123	CUERNAC MO MX	527 316 0211	0955	1	8	7.84		7.84✓
57	0123	CUERNAC MO MX	527 316 1988	0957	4	8	.34		.34✓
58	0123	HAMILTON ON	416 527 3071	1110	1	8	9.12		9.12✓
59	0123	CHARLOTTE NC	704 332 8171	1126	16	8	2.88		2.88✓
60	0123	LAKEFIELD ON	705 652 3341	1144	8	8	12.74		12.74✓
61	0123	CHILE	5622316629	1454	6	8	.39		.39
62	0124	MONTREAL PQ	514 731 5125	1410	1	8	28.42		28.42✓
63	0124	FROM RICHMONBC	604 276 0989	1246	11	4	.62		.62
64	0124	CHILE	5622316629	0905	14	8	4.29		4.29✓
65	0124	HAMILTON ON	416 527 3071	0929	2	8	2.16		2.16✓
66	0124	MONTREAL PQ	514 844 3017	1141	11	8	1.71		1.71✓
67	0124	LAKEFIELD ON	705 652 3341	1152	6	8			
68	0124	RICHMOND BC	604 276 0989	1439	3	8			

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5 416 865 9300DATE
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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0124	MONTREAL	PQ 514 844 3017	1512	8	8	3.12		3.12
2	0124	MONTREAL	PQ 514 731 5125	1632	12	8	4.68		4.68
3	0125	CUERNAC MO	MX 527 316 0211	1523	2	8	3.92		3.92
4	0125	FROM RICHMONBC	604 276 0989	0805	1	4			2.07
5	0125	FROM RICHMONBC	604 276 0989	0838	5	4			4.35
6	0125	RICHMOND	BC 604 276 0989	1134	1	8	.57		.57
7	0125	HAMILTON	ON 416 527 3071	1434	1	8		M .34	.34
8	0125	MONTREAL	PQ 514 844 3017	1451	3	8	1.17		1.17
-9	0125	CUERNAC MO	MX 527 316 3344	1526	7	8	13.72		13.72
10	0125	LAKEFIELD	ON 705 652 3341	1551	2	8	.72		.72
11	0125	WAKEFIELD	PQ 819 459 3704	1553	14	8	5.32		5.32
12	0125	CHARLOTTE	NC 704 332 8171	1607	15	8	8.55		8.55
13	0126	S S MARIE	ON 705 942 1351	1058	1	8	.39		.39
14	0126	CALGARY	AB 403 266 1611	1031	3	8	1.71		1.71
15	0126	CALGARY	AB 403 247 2095	1248	3	8	1.71		1.71
16	0129	HAMILTON	ON 416 527 3071	0939	3	8	.93		.93
17	0129	UN KINGDOM	4414930111	1033	2	8	3.05		3.05
18	0129	LONDON	ON 519 471 5462	1157	2	8	.74		.74
19	0129	VAIL	CO 303 476 9530	1326	1	8	.63		.63
20	0129	UN KINGDOM	4414930111	0942	2	8	3.05		3.05
21	0129	PITTSBURGH	PA 412 562 6312	1340	1	8	.49		.49
22	0129	CORAOPOLIS	PA 412 262 2681	1341	2	8	.98		.98
23	0129	HAMILTON	ON 416 527 3071	1437	2	8	.62		.62
24	0129	CUERNAC MO	MX 527 316 3344	1511	1	8	1.96		1.96
25	0129	CUERNAC MO	MX 527 316 1988	1512	7	8	13.72		13.72
26	0129	TULSA	OK 918 583 7124	1534	1	8	.61		.61
27	0129	BOLIVIA	5912377724	1552	9	8	27.08		27.08
28	0130	BURLINGTON	ON 416 332 6692	1214	4	8	1.24		1.24
29	0130	TULSA	OK 918 583 7124	1549	1	8	.61		.61
30	0130	FROM RICHMONBC	604 276 0989	1133	1	4			2.07
31	0130	BOLIVIA	5912377724	0916	26	8	75.53		75.53
32	0130	NEW YORK	NY 212 559 1013	1158	3	8	1.56		1.56
33	0130	NEW YORK	NY 212 559 1013	1201	4	8	2.08		2.08
34	0130	RICHMOND	BC 604 276 0989	1251	1	8	.57		.57
35	0130	TULSA	OK 918 583 7124	1302	1	8	.61		.61
36	0130	HOUSTON	TX 713 658 8357	1304	2	8	1.26		1.26
37	0130	TULSA	OK 918 583 7124	1315	1	8	.61		.61
38	0130	HOUSTON	TX 713 658 8357	1325	1	8	.63		.63
39	0130	CHILE	5622316629	1354	21	8	42.14		42.14
40	0130	MONTREAL	PQ 514 844 3017	1422	7	8	2.73		2.73
41	0130	RICHMOND	BC 604 276 0989	1528	19	8	10.83		10.83
42	0130	NEW YORK	NY 212 559 1015	1549	1	8	.52		.52
43	0130	HOUSTON	TX 713 658 8357	1551	1	8	.63		.63
44	0130	TULSA	OK 918 583 7124	1647	8	8	4.88		4.88
45	0131	CHILE	5622316629	1333	2	8	4.90		4.90
46	0131	S S MARIE	ON 705 942 1351	1510	1	8	.39	Z .39	.39
47	0131	HOUSTON	TX 713 658 8357	1518	1	8	.63		.63
48	0131	HOUSTON	TX 713 658 8357	1621	1	8	.63	Z 1.90	.63
49	0131	KINGSTON	ON 613 546 3811	1002	5	8	1.90		1.90
50	0131	CHILE	5622316629	1016	9	8	18.62		18.62
51	0131	LIBERTY	TX 409 336 7427	1336	19	8	11.97		11.97
52	0201	NETHRNL D K	31598751911	1013	2	8	3.28		3.28
53	0201	HAMILTON	ON 416 527 3071	1107	5	8	1.55		1.55
54	0201	RICHMOND	BC 604 276 0989	1206	12	8	6.84		6.84
55	0201	LIBERTY	TX 409 336 7427	1345	1	8	.63		.63
56	0201	LAKEFIELD	ON 705 652 3341	1348	4	8	1.44	Z 1.44	1.44
57	0201	FROM RICHMONBC	604 276 0989	1012	2	4			2.64
58	0201	FROM RICHMONBC	604 276 0989	1247	10	4			7.20
59	0202	WASHINGTON DC	202 473 0721	0938	2	8	1.10		1.10
60	0202	CHILE	563533935	1005	5	8	10.78		10.78
61	0202	CHILE	563533935	1017	3	8	6.86		6.86
62	0202	BRANTFORD	ON 519 756 0250	1205	1	8	.35	Z .35	.35
63	0202	CHILE	562718459	0844	2	8	4.90		4.90
64	0202	BURLINGTON	ON 416 332 6692	0936	1	8		MZ .34	.34
65	0202	VAIL	CO 303 476 9530	0938	1	8	.63		.63
66	0203	TORONTO	ON 416 696 1858	1554	6	7			4.78
		FROM VAIL	CO						
67	0204	TORONTO	ON 416 926 9256	0840	26	7	17.38	5.73	11.65
		FROM VAIL	CO						
68	0205	CUERNAC MO	MX 527 316 3344	1121	2	8	3.92		3.92

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* * * CHARGEABLE MESSAGES * * *

<u>NO</u>	<u>DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>START</u>	<u>MIN</u>	<u>X</u>	<u>CHARGE</u>	<u>DISCOUNT</u>	<u>AMOUNT</u>
1	0205	LONDON	ON 519 471 5462	0925	1	8	.37	Z	.37
2	0205	CUERNAC MO	MX 527 316 0211	1115	6	8	11.76		11.76
3	0206	BURLINGTON	ON 416 332 6692	1028	3	8	.93	Z	.93
4	0206	BURLINGTON	ON 416 332 6692	1100	3	8	.93	Z	.93

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA	
SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY	15.04
TAX-FED. 107.50	
TAX-PROV. 84.37	SUB-TOTAL OF NON TELEPLUS CANADA CALLS 1028.76
	SUB-TOTAL INCLUDING TAX 1220.63

TELEPIUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED	15.04
MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT	23.33
DISCOUNT FOR CANADA PLAN	2.26
 TAX-FED.	1.41
TAX-PROV.	1.13
 SUB-TOTAL	12.78
SUB-TOTAL INCLUDING TAX	15.32

TOTAL CHARGEABLE MESSAGES		1041.54
TAX-FED.	108.91	
TAX-PROV.	85.50	194.41

CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA
THANK YOU FOR USING BELL LONG DISTANCE

THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
(23.16% PER ANNUM)

*** LOCAL CALLING WITH PALGRAVE AND SNELGROVE ***
STARTING FEBRUARY 17, 1990, TORONTO CUSTOMERS WILL BE ABLE TO CALL
THE PALGRAVE AND SNELGROVE EXCHANGES WITHOUT LONG DISTANCE CHARGES
OR ANY CHANGE IN LOCAL RATES. WHEN YOU CALL THESE LOCATIONS JUST
DIAL THE SEVEN DIGITS OF THE NUMBER YOU WISH.

151.43 X
19. 2
28.77 +

0.0

151.43 +
28.77 +
130.20 + T

BELL

Member of Telecom Canada

TELEPHONE NUMBER	DATE	AMOUNT DUE	AMOUNT PAID
416 865 9300	1990 01 07	1694.46	
822 0207 4	45	143	6865 9300 82204 024

— PLEASE DETACH AND
RETURN - DO NOT STAPLE45
LASTCORP INVESTMENTS LTD U
S 3310
130 ADELAIDE W
TORONTO ONTARIO
MSH 3PS

065654593006320008220900107020744000000001694465

*** DETACH HERE ***

INQUIRIES: BILLING - 585-2044
ORDERS - 599-8161PAGE TELEPHONE NUMBER
1 416 865 9300
 LASTCORP INVESTMENTS LTDDATE
1990 01 07

*** ACCOUNT SUMMARY ***

SERVICES	209.35
EQUIPMENT RENTALS	255.55
TAX - FED.	21.76
TAX - PROV.	38.93
CHARGEABLE MESSAGES	976.14
TAX - FED.	107.31
TAX - PROV.	66.47
DIRECTORY ADVERTISING	173.78
	18.95
TOTAL CURRENT CHARGES	1694.46

= AMOUNT DUE

1694.46

PLEASE PAY THIS AMOUNT UPON RECEIPT

PAYMENTS AND ADJUSTMENTS PROCESSED AFTER
1990 01 07 WILL BE REFLECTED ON YOUR NEXT ACCOUNT

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1203	TORONTO ON	416 224 0019	1043	3	3	2.96	.60	2.36
2	1205	TORONTO ON	416 865 9300	1019	25	3			15.50
3	1205	TORONTO ON	416 865 9300	0849	1	3			1.82
4	1206	FROM CALGARY AB	604 276 0989	0714	26	P4	18.57	8.89	9.68
5	1207	FROM RICHMONBC	604 276 0989	0809	22	P4			16.27
6	1207	CHILE	5622316629	0956	17	8	34.30		34.30
7	1207	EDMONTON AB	403 424 4653	1015	1	8	.57		.57
8	1207	BRIGHTON ON	613 475 1033	1045	2	8	.74		.74
9	1207	BOLIVIA	5912363936	1601	9	8	27.08		27.08
10	1207	RICHMOND BC	604 276 0989	1628	1	8	.57		.57
11	1208	FROM RICHMONBC	604 276 0989	0754	1	P4	4.32	.34	3.98
12	1208	FROM RICHMONBC	604 276 0989	0949	1	P4			4.32

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See reverse for more information

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X X X CHARGEABLE MESSAGES X X X

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1208	BOLIVIA FROM RICHMONBC	912354233	1100	3	2			x 11.40
2	1208	BOLIVIA FROM RICHMONBC	912358143	1200	9	2			x 28.50
3	1208	FROM RICHMONBC	604 276 0989	1202	2	P4			4.89
4	1208	FROM RICHMONBC	604 276 0989	1224	10	P4			9.45
5	1208	COVINGTON KY	606 491 9701	0808	2	8	1.10		1.10
6	1208	RICHMOND BC	604 276 0989	1403	28	8	15.96		15.96
7	1208	RICHMOND BC	604 276 0989	1431	5	8	2.85		2.85
8	1208	BOLIVIA	5912377724	1436	1	8	4.28		4.28
9	1208	BRIGHTON ON	613 475 1033	1438	1	8	.37		.37
10	1208	COVINGTON KY	606 491 9701	1504	18	8	9.90		9.90
11	1208	COVINGTON KY	606 491 9701	1534	2	8	1.10		1.10
12	1208	COVINGTON KY	606 491 9701	1552	2	8	1.10		1.10
13	1211	BARRIE ON	705 726 0591	1123	2	8	.70		.70
14	1211	ORO UN	705 487 2939	1149	3	8	1.05		1.05
15	1211	BARRIE ON	705 721 6282	1202	3	8	1.05		1.05
16	1211	BARRIE ON	705 726 1859	1205	1	8	.35		.35
17	1211	CALGARY AB	403 244 0705	1208	4	8	2.28		2.28
18	1211	MOONSTONE ON	705 835 3697	1216	1	8	.36		.36
19	1211	BARRIE ON	705 726 9541	1219	1	8	.35		.35
20	1211	ORILLIA ON	705 325 7777	1225	1	8	.36		.36
21	1212	FROM RICHMONBC	604 276 0989	0833	9	P4			8.88
22	1212	FROM RICHMONBC	604 276 0989	1334	11	P4			10.02
23	1212	BARRIE ON	705 726 1859	1013	1	8	.35		.35
24	1212	ORILLIA ON	705 325 7777	1022	1	8	.36		.36
25	1212	CHILE	5622316629	1033	11	8	22.54		22.54
26	1212	BARRIE ON	705 726 1859	1101	4	8	1.40		1.40
27	1212	COVINGTON KY	606 491 9701	1130	1	8	.55		.55
28	1212	RICHMOND BC	604 276 0989	1325	1	8	.57		.57
29	1212	NEW YORK NY	212 449 7533	1446	9	8	4.68		4.68
30	1212	BARRIE ON	705 726 9541	1504	4	8	1.40		1.40
31	1212	CHILE	5622316629	1543	8	8	16.66		16.66
32	1212	CARNEGIE PA	412 787 1639	1532	1	8	.49		.49
33	1212	CARNEGIE PA	412 787 5380	1133	7	8	3.43		3.43
34	1212	BOCA RATON FL	407 392 2025	1141	2	8	1.22		1.22
35	1212	CHARLOTTE NC	704 332 8171	1210	4	8	2.28		2.28
36	1213	ORILLIA ON	705 325 7777	1516	1	8	.36		.36
37	1213	CHARLOTTE NC	704 332 8171	1554	1	8	.57		.57
38	1213	BOLIVIA	912374151	0700	3	2			x 11.40
		FROM RICHMONBC							
39	1213	BOLIVIA	912374151	0700	7	2			x 22.80
		FROM RICHMONBC							
40	1213	FROM RICHMONBC	604 276 0989	0742	3	P4	5.46	1.03	4.43
41	1213	BOLIVIA	912374151	1100	8	2			x 25.65
		FROM RICHMONBC							
42	1213	RICHMOND BC	604 276 0989	1458	18	8	10.26		10.26
43	1213	FRIENDSWD TX	713 482 1335	1555	7	8	4.41		4.41
44	1213	RENO NV	702 825 9118	1606	1	8	.63		.63
45	1213	BRAZIL	55212211846	1125	2	8	4.90		4.90
46	1213	BRANTFORD ON	519 756 0250	1147	1	8	.35		.35
47	1213	NORTH BAY ON	705 474 8480	1151	2	8	.76		.76
48	1213	HAMILTON ON	416 525 9140	1436	1	8		M	.34
49	1214	ORO ON	705 487 2565	1318	3	7			2.30
		FROM TORO ON	&						
50	1214	FROM RICHMONBC	604 276 0989	0750	2	4	2.64	.68	1.96
51	1214	FROM RICHMONBC	604 276 0989	1320	15	P4			12.30
52	1214	CALGARY AB	403 292 0344	1145	8	8	4.56		4.56
53	1214	ST MARYS ON	519 284 1020	1342	1	8	.37		.37
54	1214	RICHMOND BC	604 276 0989	1400	1	8	.57		.57
55	1214	BOLIVIA	5912354968	1404	2	8	7.13		7.13
56	1214	ST MARYS ON	519 284 1020	1523	2	8	.74		.74
57	1214	BOLIVIA	5912377724	1554	1	8	4.28		4.28
58	1214	BOLIVIA	5912377724	1652	1	8	4.28		4.28
59	1214	BOLIVIA	5912377724	1659	9	8	27.08		27.08
60	1214	HAMILTON ON	416 525 9140	1412	7	8	2.17		2.17
61	1215	FROM RICHMONBC	604 276 0989	0857	28	P4			19.71
62	1215	CHILE	5622316629	1031	1	8	2.94		2.94
63	1215	CHILE	56240842	1034	1	8	2.94		2.94
64	1215	CHILE	5622316629	1134	14	8	28.42		28.42

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See reverse for more information

X K K CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1215	CHELMSFORD ON	705 855 2825	1120	1	8	.38		.38
2	1215	WHITEFISH ON	705 866 2825	1122	10	8	3.80		3.80
3	1215	BRIGHTON ON	613 475 2728	1154	7	8	2.59		2.59
4	1215	CARNEGIE PA	412 787 5380	1339	1	8	.49		.49
5	1218	FROM RICHMONBC	604 276 0989	0834	26	P4			18.57
6	1218	PRESTON ID	208 852 2890	1259	4	8	2.52		2.52
7	1218	RICHMOND BC	604 276 0989	1522	1	8	.57		.57
8	1219	LAKEFIELD ON	705 652 3341	1026	2	8	.72		.72
9	1219	NEW YORK NY	212 449 7533	1200	1	8	.52		.52
10	1219	BOLIVIA FROM RICHMONBC	912374151	0800	3	2			x 11.40
11	1219	FROM RICHMONBC	604 276 0989	0837	8	P4			8.31
12	1219	FROM RICHMONBC	604 276 0989	0857	2	P4			4.89
13	1219	FROM RICHMONBC	604 276 0989	1304	4	P4			6.03
14	1219	CORAOPOLIS PA	412 262 2681	1150	7	8	3.43		3.43
15	1219	KELOWNA BC	604 762 0944	1240	15	8	8.55		8.55
16	1219	CHARLOTTE NC	704 332 8171	1423	1	8	.57		.57
17	1219	BETHANY ON	705 277 2002	1542	14	8	4.90		4.90
18	1220	VANCOUVER BC	604 644 0173	1225	2	8	1.14		1.14
19	1220	RICHMOND BC	604 270 7770	1227	1	8	.57		.57
20	1220	VANCOUVER BC	604 644 0173	1228	5	8	2.85		2.85
21	1220	COLOMBIA FROM RICHMONBC	712573753	0900	13	2			x 30.10
22	1220	COLOMBIA FROM RICHMONBC	712573753	1300	4	2			x 10.75
23	1220	FROM RICHMONBC	604 276 0989	1337	7	P4			7.74
24	1220	NORWOOD MA	617 769 9130	1011	4	8	2.20		2.20
25	1220	CALGARY AB	403 292 0344	1252	1	8	.57		.57
26	1220	WHITEFISH MT	406 862 4435	1254	1	8	.63		.63
27	1220	WHITEFISH MT	406 862 2331	1255	4	8	2.52		2.52
28	1220	CALGARY AB	403 272 6448	1408	1	8	.57		.57
29	1220	CALGARY AB	403 272 6448	1531	5	8	2.85		2.85
30	1220	STAUGUSTIN FL	904 797 7425	1537	1	8	.61		.61
31	1220	MEMPHIS TN	901 797 7425	1538	1	8	.59		.59
32	1220	NEW YORK NY	212 449 7533	1644	8	8	4.16		4.16
33	1220	RICHMOND BC	604 276 0989	1652	5	8	2.85		2.85
34	1220	LAKEFIELD ON	705 652 3341	0934	8	8	2.88		2.88
35	1220	MONTREAL PQ	514 844 3017	1148	15	8	5.85		5.85
36	1220	MONTREAL PQ	514 844 3017	1209	4	8	1.56		1.56
37	1220	SCOTTSDALE AZ	602 948 2100	1314	2	8	1.26		1.26
38	1221	CALGARY AB	403 265 4490	1010	5	8	2.85		2.85
39	1221	CARSONCITY NV	702 887 8122	1107	1	8	.63		.63
40	1221	RICHMOND BC	604 276 0989	1336	1	8	.57		.57
41	1221	CHILE	5622316629	1340	24	8	48.02		48.02
42	1221	RICHMOND BC	604 276 0989	1553	3	8	1.71		1.71
43	1221	RICHMOND BC	604 276 0989	1559	7	8	3.99		3.99
44	1222	BRIGHTON ON	613 475 1033	0834	13	8	4.81		4.81
45	1222	CUERNAC MO MX	527 316 0211	0907	22	8	46.42		46.42
46	1222	BRIGHTON ON	613 475 1033	1400	5	8	1.85		1.85
47	1227	VENEZUELA FROM RICHMONBC	822842553	0900	3	2			x 5.00
48	0102	FROM RICHMONBC	604 276 0989	0854	13	P4			11.16
49	0102	BOLIVIA FROM RICHMONBC	912374151	0900	3	2			x 11.40
50	0102	FROM RICHMONBC	604 276 0989	0919	3	P4			5.46
51	0102	VENEZUELA FROM RICHMONBC	822842553	1200	3	2			x 4.88
52	0102	BOLIVIA FROM RICHMONBC	912374151	1200	5	2			x 17.10
53	0102	ALFRED NY	607 871 2709	0910	1	8	.43		.43
54	0102	S PORCPINE ON	705 235 3311	1038	1	8	.39		.39
55	0102	CHARLOTTE NC	704 332 8171	1047	2	8	1.14		1.14
56	0102	S PORCPINE ON	705 235 3311	1116	1	8	.39		.39
57	0102	S PORCPINE ON	705 235 3311	1140	1	8	.39		.39
58	0102	RICHMOND BC	604 276 0989	1247	3	8	1.71		1.71
59	0102	CHILE	5622316629	1412	7	8	14.70		14.70
60	0102	RICHMOND BC	604 276 0989	1522	2	8	1.14		1.14
61	0103	FROM RICHMONBC	604 276 0989	0906	24	P4			17.43

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*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	0103	ARGENTINA FROM RICHMONBC	413257158	1100	16	2			X 36.55
2	0103	FROM RICHMONBC	604 276 0989	1144	18	P4			14.01
3	0103	BECANCOUR PQ	819 294 2671	1005	1	8	.39		.39
4	0103	RICHMOND BC	604 276 0989	1133	1	8	.57		.57
5	0103	CHILE	5622316629	1437	8	8	16.66		16.66
6	0103	TIMMINS ON	705 264 9484	1550	1	8	.39		.39
7	0103	S S MARIE ON	705 942 1351	1552	3	8	1.17		1.17
8	0105	CHILE	5622316629	1014	4	8	8.82		8.82
9	0105	RENO NV	702 322 7531	1019	4	8	2.52		2.52
10	0105	RICHMOND BC	604 276 0989	1044	2	8	1.14		1.14
11	0105	CALGARY AB	403 243 9638	1124	2	8	1.14		1.14
12	0105	CAYMAN IS	8099498553	1202	10	8	14.39		14.39
13	0105	BOLIVIA	5912377724	0826	5	8	15.68		15.68
14	1215	DIR. ASSISTANCE	920 5446	1459		8			Q .60

TOTAL CHARGEABLE MESSAGES
TAX-FED. 107.31
TAX-PROV. 66.47 976.14
173.78

THANK YOU FOR USING BELL LONG DISTANCE

THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY
(23.14% PER ANNUM)

Bell

See reverse for more information

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0357

January 7 19 91

PAY TO THE
ORDER OF Log II Systems Inc. \$ *1.050.00*

SUM OF REGISTERED \$1050 DOLS 00 CTS 100 DOLLARS

DELORO MAGNESITE VENTURE FUND

Re: Inv 73001, 73002



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

000357 00002010 3051919



Dec 31, 1990

LOG II
SYSTEMS INC.

Box 576
36 Adelaide St. East
Toronto, Ontario
Canada M5C 2J6
(416) 865-9718

Magnesium Refractories Ltd.
Suite 3310
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

Attention - Mr. Gary Last

Invoice #73001

Re: Cash Flow for the Timmins Project

Consulting services

0.9 Days @ \$500.00/Day

450.00

Total Invoice	\$450.00
	=====

Gordon D. Watts



Dec 31, 1990

LOG II
SYSTEMS INC.

Box 576
36 Adelaide St. East
Toronto, Ontario
Canada M5C 2J6
(416) 865-9718

Magnesium Refractories Ltd.
Suite 3310
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

Attention - Mr. Gary Last

Invoice #73002

Re: Cash Flows

Consulting services

1.2 Days @ \$500.00/Day

600.00

Total Invoice

\$600.00

=====

A handwritten signature in black ink that appears to read "Gordon D. Watts".

Gordon D. Watts

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0309

November 19 1990

PAY TO THE
ORDER OF The Computer Graphics Studio \$ *391.40*
SUM OF R391.40 CTS /100 DOLLARS

Re: Inv 1330, Job# LI02

DELORO MAGNESITE VENTURE FUND



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

A handwritten signature is written over a horizontal line, appearing to read 'R. J. Smith'.

"000309" "00002010" "30" "51919"



the computer graphics
S T U D I O

Invoice To:

Magnesium Refractories Ltd.
130 Adelaide St. West
Suite #3310
Toronto, Ontario
M5H 3P5

Attention: Gary J. Last, President

Mailing Address:

The Computer Graphics Studio
4141 Yonge St., Suite 102
Willowdale, Ontario
M2P 2A8

Invoice # 1330
Docket
Invoice Date: 30-Sep-90
P.O.
Job # LI02

Billing for 1 poster and thermal prints

	Originals	Changes	Total
5 Thermal prints @ \$10.00 ea.			50.00
Creative (author's corrections)			50.00
1 4x5 Transparency			80.00
1 poster (23" x 17 1/2") mounted 1/2" gator board self adhesive			150.00
Sub Total			330.00
PST			26.40
Deliveries			35.00
Total			391.40

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0321

November 19 19 90

PAY TO THE
ORDER OF Ortech International ----- \$ *105.00*

SUM OF REGISTERED 105 DOLS 00 CTS /100 DOLLARS

Re: Inv 19922



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

DELORO MAGNESITE VENTURE FUND

PER

A handwritten signature is written over a horizontal line, appearing to read 'John'.

0000321 000020100 30 51919

INVOICE

No 19922

ORTECH
INTERNATIONAL

2395 Speakman Drive
 Mississauga, Ontario L5K 1B3
 (416) 822-4111
 Telefax (416) 823-1446

ISSUED TO

Magnesium Refractories Ltd.
 Suite 3310
 130 Adelaide Street West
 Toronto, Ontario
 M5H 3P5

DATE October 4, 1990

Attention: Mr. R.A. ElliotTERMS: PAYABLE UPON RECEIPT
1-1/2% PER MONTH ON PAST DUE ACCOUNTS

YOUR ORDER NUMBER	OUR REPORT NUMBER	DEPARTMENT
P.O. # 003	90-48-50006-146	48-50006-BCE

Determine colour characteristics on One (1) talc sample.

\$105.00

Rev 4/90
 OK.

R.A.E.

PLEASE PAY FROM THIS INVOICE - NO STATEMENT SENT

COPIES WHITE & BLUE. Customer GREEN & CANARY: Accounting PINK & GOLD: Department
7A Division of ORTECH Corporation

PEDNOR PROJECT 361670 SUMMARY
CLATM #1

SCHEDULE 1

DIRECT LABOUR

Magnesium Refractories Ltd.

MEMORANDUM

DATE: December 13, 1989

TO: The File

FROM: Rose Berry

To reflect year end salary adjustments a revision to employee charge out rates for technical services is required.

BATES, LAST (Professional Engineers)

Basic Salary - \$100,000 = \$425/day
235 days

Charge Rates:

a. At salary & benefit cost only = $\frac{\$425 \times 1.15}{7.5}$ = \$ 65/hour

b. At industry standard to include
office, support & profit = $\frac{2.3 \times \$425}{7.5}$ = \$130/hour

BERRY (Professional Assistant)

Basic Salary - $\frac{33,400}{235}$ = \$142/day

Charge Rates:

a. Cost = $\frac{1.15 \times \$142}{7.5}$ = \$22.00

b. Industry basis = \$44.00

/rb

TIMESHEET

NAME: GJLMONTH: June / 90

DATE	PROJECT	HOURS	DAY TOTAL
1	MAG REF	04	8
4	MAG [REDACTED] goed 3		10
5	Bolv-2 MAG [REDACTED]		9
6	MAG [REDACTED]		8
7	MAG [REDACTED]		8
8	Geld 4 MAG Bolv 2.		10
11	MAG [REDACTED] Goed 3		9
12	MAG [REDACTED]		8
13	MAG [REDACTED]		8
14	MAG [REDACTED]		7
15.	MAG [REDACTED] OH 4.		10
18	Bolv 2 MAG [REDACTED] OH 1		9
19	Bolv 2 goed 3 MAG [REDACTED]		9
20	Geld 3 MAG [REDACTED]		11
21	MAG [REDACTED] Bolv 7.		10
22	MAG [REDACTED]		8
25	MAG [REDACTED]		7
26	geld. 2 mag [REDACTED]		9
27	geld 3 mag [REDACTED]		11
28	mag [REDACTED] OH 2		9
29.	MAG [REDACTED] OH 2		10

TIME SHEET

NAME: Jean G. BratesMONTH: June 1990

DATE	PROJECT	HOURS	DAY TOTAL
June 1 st	Magnesium Refractories	[REDACTED]	8.0
June 2 & 3	Saturday and Sunday		
June 4 th	Magnesium Ref General Revision.	[REDACTED] 1.5	8
June 5 th	Magnesium Refractories	[REDACTED]	8.0
June 6	Fraser River Project	8.0	8.0
June 7	Fraser River Project	8.0	8.0
June 8	Fraser River Project	8.0	8.0
June 9 th & 10 th	Saturday and Sunday		
June 11 th	Magnesium Refractories	[REDACTED]	8.0
June 12 th	Magnesium Refractories Edmore Sulphur	[REDACTED] 1.5	8.0
June 13 th	Magnesium Refractories	[REDACTED]	8.0
June 14 th	Magnesium Ref Edmore Sulphur	[REDACTED] 2.5	8.0
June 15 th	Magnesium Refractories	[REDACTED]	8.0
June 16 & 17	Saturday and Sunday		
June 18 th	Magnesium Refractories Edmore Sulphur	[REDACTED] 1.0	8.0
June 19	Magnesium Refractories Edmore Sulphur	[REDACTED] 2.5	8.0
June 20	Magnesium Refractories	[REDACTED]	8.0

TIME SHEET

NAME:

James G. Ratto

MONTH:

June / 90

DATE	PROJECT	HOURS	DAY TOTAL
June 21	Magnesium Refractions	8.0	
June 22	Magnesium Refractions	8.0	
	Bolivian Sulphur	3.5	
June 23 & 24	Saturday & Sunday		
June 25	Magnesium Refractions	8.0	
June 26	Magnesium Refractions	8.0	
	Bolivian Sulphur	4.5	
June 27	Magnesium Refractions	8.0	
	General Admin.	2.0	
June 28	Magnesium Refractions	8.0	
June 29	Magnesium Refractions	8.0	
	Bolivian Sulphur	4.0	
June 30	Saturday		
Total	Mg Ref	62.0	
Total	Bd Sulphur	19.5	
Total	Time in night	24	
			168

James G. Ratto

SCHEDULE 1

24,516.00

DIRECT LABOUR

PROFESSIONAL TIME SUMMARY
(Hours)

	<u>July</u>	<u>Aug</u>	<u>Sept</u>	<u>Oct</u>	<u>TOTAL</u>
James A. Bates	31	31	18	122	202
Gary J. Last	98	94	61	65	318

Total Charge: 520 hours @ \$41.00 X 1.15 = \$24,518.00

For the period January 4 to June 30, 1990 a total of 632.5 professional hours were approved at \$41.00 per hour but the 15% overhead allowance was not included

632.5 X \$41.00 X 0.15 = \$3,889.87

TIMESHEET

NAME:

James C. Bates

MONTH:

July / 90

DATE	PROJECT	HOURS	DAY TOTAL
1 -	Sunday	-	-
2 ^	Public Holiday	-	-
3	Bolivian Sulphur Project	8	8
4	Magnesium Refineries	4	
	Bolivian Sulphur	4	8
5	Bolivian Sulphur	8	8
6	Bolivian Sulphur	8	8
7 & 8 ^	Saturday and Sunday	-	-
9	Magnesium Refineries	6	
	General Admin	2	8
10	Magnesium Refineries	3	
	Bolivian Sulphur	5	8
11	Bolivian Sulphur	8	8
12	Bolivian Sulphur	8	8
13	Magnesium Refineries	2	
	Bolivian Sulphur	6	8
14 & 15 ^	Saturday & Sunday	-	-
16	Bolivian Sulphur	8	8
17	Bolivian Sulphur	8	8
18	Bolivian Sulphur	8	8
19	Magnesium Refineries	5	
	Bolivian Sulphur	3	8

TIMESHEET

NAME: Jerry A Bates

MONTH:

DATE	PROJECT	HOURS	DAY TOTAL
20	Magnesium Refraction Bolivian Sulphur	4 4	8
21 & 22	Saturday and Sunday	-	-
23	Bolivian Sulphur	8	8
24	Bolivian Sulphur	8	8
25	Bolivian Sulphur General Admin.	5' 3	8
26	Magnesium Refraction Bolivian Sulphur	2 6	8
27	Bolivian Sulphur	8	8
28 & 29	Saturday & Sunday	-	-
30	Magnesium Refraction Bolivian Sulphur	5' 3	8
31	Bolivian Sulphur	8	8

31 hours
Beynusur
Refractories Ltd

TIMESHEET

NAME:

*James C. Bates*MONTH: August / 90

DATE	PROJECT	HOURS	DAY TOTAL
1	Magnesium Refractories	8	8
2	Bolivian Sulphur	8	8
3	Bolivian Sulphur	8	8
4 + 5	Saturday and Sunday	-	-
6	Saturday Holiday	-	-
7	Magnesium Refractories	5	
	Bolivian Sulphur	3	8
8	Bolivian Sulphur	5	
	General Admin.	3	8
9	Bolivian Sulphur	8	8
10	Bolivian Sulphur	8	8
11 + 12	Saturday and Sunday	-	-
13	Magnesium Refractories	3	
	General Admin.	5	8
14	Magnesium Refractories	5	
	General Admin.	3	8
15	Bolivian Sulphur	8	
16	Bolivian Sulphur	8	
17	Bolivian Sulphur	8	
18 + 19	Saturday & Sunday	-	-
20	Bolivian Sulphur	8	8
21	Bolivian Sulphur	8	8

TIMESHEET

NAME:

James A. Bates

MONTH: August / 90

31 hours
Magnesium
Procedure, (f.d.)

TIME SHEET

NAME: James A. Bates

MONTH: September / 90

DATE	PROJECT	HOURS	DAY TOTAL
142	Saturday and Sunday	-	-
3	Statutory Holiday	-	-
4	Bolivar Sulphur	8	8
5	Bolivar Sulphur	8	8
6	Bolivar Sulphur	8	8
7	B.C. Placers	8	8
8	B.C. Placers	8	8
9	B.C. Placers	8	8
10	Bolivar Sulphur	8	8
11	Bolivar Sulphur	8	8
12	Magnesium Refactories	5	
	General Admin.	3	8
13	Bolivar Sulphur	8	8
14	Bolivar Sulphur	8	8
15+16	Saturday & Sunday	-	-
17	Bolivar Sulphur	8	8
18	Bolivar Sulphur	5	8
19	Bolivar Sulphur	3	
	Magnesium Refactories	5	8
20	Bolivar Sulphur	4	
	Magnesium Refactories	4	8
21	General Admin.	5	
	Bolivar Sulphur	3	8

TIMESHEET

NAME: _____

MONTH:

James C. Bates

18 hours
mag. reduction
12 corrections

TIMESHEET

NAME: JAMES A. BATESMONTH: OCTOBER

DATE	PROJECT	HOURS	DAY TOTAL
1	Magnesium Refractories	8	8
2	Magnesium Refractories	8	8
3	Magnesium Refractories	6	
	General Admin.	2	8
4	Magnesium Refractories	5	
	Sulphur	3	8
5	Magnesium Refractories	8	8
6 - 7	Sat. & Sunday	-	-
8	Thanksgiving	-	-
9	Magnesium Refractories	8	8
10	Magnesium Refractories	8	8
11	Magnesium Refractories	6	
	Sulfur Sulphur	2	8
12	Magnesium Refractories	8	8
13 - 14	Sat. & Sunday	-	-
15	Magnesium Refractories	8	8
16	Magnesium Refractories	6	
	Carbon Gold	2	8
17	Magnesium Refractories	8	8
18	Magnesium Refractories	7	
	Carbon Gold	1	8

TIMESHEET

NAME: James P. WalkerMONTH: October / 90

DATE	PROJECT	HOURS	DAY TOTAL
19	Magnesia Refactories	6	
	Cariba Gold	2	8
20 & 21	Saturday and Sunday	-	-
22	Magnesia Refactories	7	
	Cariba Gold	1	8
23	Magnesia Refactories	6	
	Cariba Gold (Vancouver)	2	8
24	Magnesia Refactories	3	
	Susana Sulphur (Edwards)	4	
	Cariba Gold	1	8
25	Magnesia Refactories	3	
	Susana Sulphur	3	
	Cariba Gold	2	8
26	Magnesia Refactories	3	
	Susana Sulphur	3	
	Cariba Gold	2	
27 & 28	Saturday & Sunday	-	-
29	Susana Sulphur	8	8
30	Susana Sulphur	8	8
31	Susana Sulphur	8	8

J. Walker

122 hours
Magnesia
Refactories Ltd.

TIMESHEET

NAME: LASSMONTH: JULY / 90.

DATE	PROJECT	HOURS	DAY TOTAL
2	X		
3	Mag 4 Admin 4	8	
4	Mag 4 Admin 4	8	
5	Boliv 2 Mag 6	8	
6.	Mag 7 Admin 1	8	
9	Mag 8	8	
10	Mag 4, Gold 4 Admin 1	9.	
11	Mag Rep 4 Gold 2	6.	
12	Mag Rep 4 Boliv 5	9	
13	Mag Refr. 4 Admin 4	8	
16	Boliv 6 Mag 2	8	
17	Boliv 4 Mag 1	5	
18	Boliv 3 Mag 7	10	
19	Mag. 5 Boliv 2 Admin 2	9	
20	Mag 7 Boliv 1 Gold 1	9	
23	Boliv 4 Mag 4	8	
24	Gold 8 Admin 2	10	
25	Boliv 4 Mag 5	9	
26	Mag Refr. 4 Admin 4	8	
27	Mag 8	8.	
30	Mag. 4 Admin 4	8	
31	Boliv 2 Mag 6 Admin 1	9.	

98 hours
Magnesium
Refractories

TIMESHEET

NAME: CtsrMONTH: Aug /90

DATE	PROJECT	HOURS	DAY TOTAL
1	Magn Refl. 6 Adm 1		7
2	Mag 2 Balr 6		8
3	Mgg 3 Adm 5		8
6	Balr 3 Magn 6		9
7	Balr 4 Mag. 5		9
8	Balr 4 Mag 2 Adm 2		8
9	Mags Adm 6		8
10	Mags		5
13	Balr & Magn. 4		8
14	Balr 2 Magn. 5 Adm 1		8
15	Mag 6 Adm 3		9
16	Mag. 6 Guid 3		9
17	Balrn 4 MAG 5		9
20	Balrn 5 MAG 2		7
21	Adm 8		8
22	Mag 4		4
23	Mag 4		4
24	Mag. 6 Adm 4		10
27	Mag 4 Adm 4		8
28	Balrn 8 Mag 2		10
29	Mag. 6 Adm 2		8
30	Adm 4 Mag 4		8.
31	Adm 4 Mag 2	6	

94 hours
Mag rework
2.2 hrs total

TIME SHEET

NAME: CAFMONTH: SEPT/90.

DATE	PROJECT	HOURS	DAY TOTAL
4	Bolw 3 May 6		9
5	Bolw 3 May 6.		9
6	Admin & Bolw 4		8
7	Admin & May 4		9.
10	Bolw 2 Goed 6		8
11	Bolw 1 Goed 7 May 1		9
12	May Ref. 4 Bolw 3		7
13	Goed 4 May 6		10
14	Goed 4 May 1 Admin 1		6
17	Admin 2 May 6		8
18	Admin 4 Goed 4.		8.
19	Goed 6 May 4.		10
20	Goed 2 Admin 2 May 4		8
21	Admin 4 Bolw 4		8
24	Admin 2 May 6		8
25	May 4 Admin 4		8
26	Goed 2 May Ref 6		8
27	Goed 3 Admin 4 May 1		8
28	Goed 7 May 2		9

61 hours
The Phoenix
Refractor

TIMESHEET

NAME: CATMONTH: OCT / 90

DATE	PROJECT	HOURS	DAY TOTAL
1			
2			
3			
4			
5			
8	Mag Ref 2 Admn 2	4	4
9	Mag 3 Goed 7		10
10	Mag 3 Goed 6		9
11	Mag 1 Adm 7		8
12	Adm 4 Mag 7		11
15	Mag 4 Goed 4 Adm 1		9
16	Adm 2 Mag 4		6
17	Adm 2 Mag 3		5
18	Mag 8		8
19	Adm 6		6
22	Bolv 2 Mag 7		7
23	Bolv 3 Mag 1 Adm 4		8
24	Bolv 5 Adm 2 Mag 2		9
25	MAG - 5 Adm 2		7
26	MAG - 5 Adm 3 Goed 1		9
29	Adm 2 MAG 7		9
30	Goed 4 Adm 4		8
31	Goed 4 Adm 1 Mag 3		8

~~65 hours
Magnesium
Projectiles (1)~~

SCHEDULE 1

10, 44.50

n claim 3

DIRECT LABOUR

PROFESSIONAL TIME SUMMARY
(Hours)

	<u>Nov</u>	<u>Dec</u>	<u>TOTAL</u>
James A. Bates	80	55	135
Gary J. Last	59	36	95

Total Charge: 230 hours @ \$41.00 X 1.15 = \$10,844.50

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0370

January 22 19 91

PAY TO THE ORDER OF James A. Bates \$ *13,000.00*

SUM OF REGISTERED 13000 DOL\$00 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

1000370 1000020101 30 51919

Canada Trust



TRANSACTION NOTIFICATION

DATE	ACCOUNT NO.	ITEM	AMOUNT
JAN 22-91	0337/501206 NBD		13,000.00

- CDN.
 U.S.

THIS TRANSACTION HAS ADJUSTED YOUR
ACCOUNT ON THE DATE SHOWN.

\$ ACCOUNT BALANCE

SIGNATURE

01-130 (0583)

DELORO MAGNESITE VENTURE FUND

130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 1P6

0371

PAY TO THE
ORDER OF Gary J. Last \$ *13,000.00*

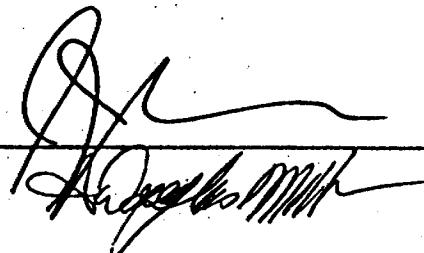
SUM OF R58N94767 I 3000 DOLS 00 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER



#0000371# 000002#0301# 30#51919#



EXECUTIVE
BANKING

GARY J. LAST
130 ADELAIDE ST. WEST
SUITE 3310
TORONTO, ONTARIO M5H 1P5

THE ROYAL BANK OF CANADA
EXECUTIVE BANKING CENTRE
ROYAL BANK PLAZA
TORONTO, ONTARIO M5J 2J5

03912-003 2
THE ROYAL BANK OF CANADA
EXECUTIVE BANKING CENTRE.
JAN 22 1991
TORONTO, ONT.
03912-003

RB COMPARED WITH
ORIGINAL DEPOSIT
SUCH AS TO TOTAL ONLY

NET
DEPOSIT

13,000.00

NOT FOR DEPOSIT
DUPLICATE ONLY

220 GLL

03912-003-511# 219-8#

TIMESHEET

NAME: Jeanne T. BatesMONTH: November - 90

DATE	PROJECT	HOURS	DAY TOTAL
1	Sulphur Project	8	8
2	Susana Sulphur Project	8	8
3	Susana Sulphur Project	8	8
4	Susana Sulphur Project	8	8
5	Susana Sulphur Project	8	8
6	Susana Sulphur Project	8	8
7	Susana Sulphur Project	8	8
8	Susana Sulphur Project	8	8
9	Susana Sulphur Project	4	
	Magnesium Refineries	3	
	Quarrel Venture	1	8
10 & 11	Sat. & Sunday	—	—
12	Quarrel Venture	1	
	Magnesium Refineries	7	8
13	Magnesium Refineries	5	
	Susana Sulphur	2	
	Quarrel Venture	1	
14	Magnesium Refineries	8	
15	Magnesium Refineries	4	
	Susana Sulphur	3.5	
	Quarrel Venture	0.5	

TIMESHEET

NAME: John A. BatesMONTH: November

DATE	PROJECT	HOURS	DAY TOTAL
16	Magnesium Refractories	8	8
17 & 18	Saturday + Sunday		
19	Magnesium Ref Dusenel Venture	7 1	8
20	Magnesium Refractories Dusenel Venture	6 2	8
21	Magnesium Refractories Dusenel Venture	7 1	8
22	Magnesium Refractories Susano Sulphur	6 2	8
23	Misc Admin Magnesium Ref Dusenel Venture	4 3 1	8
24 & 25	Sat. + Sunday	-	-
26	Magnesium Refractories	8	8
27	Magnesium Refractories	8	8
28	Dusenel Venture	8	8
29	" "	8	8
30	" "	8	8

80 hours
Magnesium

LASTCORP INVESTMENTS LTD.
TIMESHEET

NAME: John J. Lester

MONTH: December - 90

DATE	PROJECT	HOURS	DAY TOTAL
Sat 1	Quarrel Project (travel)	8	8
Sun 2	Quarrel Project (travel)	8	8
3	Quarrel Project (travel)	8	8
4	Day off	-	-
5	Quarrel Project	4	
	Magnesium Refactories	4	8
6	Quarrel Project	4	
	Magnesium Refactories	4	8
Friday 7	Quarrel Project	3	
	Magnesium Refactories	5	8
8 & 9	Sat + Sunday		
10	Quarrel Project (Fri)	8	8
11	Quarrel Project	6	
	Magnesium Refactories	2	8
12	Quarrel Project	6	
	Magnesium Refactories	2	8
13	Quarrel Project	2	
	Magnesium Refactories	6	8
14.	Quarrel Project	4	
	Magnesium Refactories	4	8
15 & 16	Sat + Sunday	-	-
17	Magnesium Refactories	4	
	Quarrel Project	4	8

TIMESHEET

NAME: James C. Bates MONTH: December 90

55 hours
Magnesium

TIMESHEET

NAME: Chris

MONTH: December / 90

TIMESHEET

NAME: November 90 G J LAST MONTH: _____

DATE	PROJECT	HOURS	DAY TOTAL
1	4. Mag 2-S. 2 Adm.		8
2	4. Sulfur.		4.
5	MAG. 5. S-1 Goed 2		8
6	Goed 2 S-1 MAG 4		7
7	Goed 2 S-7		9
8	Gold 3 MAG-3 Adm 2		8
9	2 Adm 2 Mag.		4
12	away		-
13	away		-
14	MAG. 5. S-3 Adm 2		10
15	Mag, Ref -4 Goed 2		6
16.	Sulfur 2 Mag 4.		6
19	Sulfur 3 Mag 3		8
20	Sulfur 2 Adm 6		8
21	MAG-6 Adm 2		8
22	MAG-6 Adm 1		8
23	off.		-
26	2 admin		2
27	off.		-
28	Adm 2 Mag 3 S-2		7
29	Mag 4 S. 4		
30	Mag 4 S. 4	59	hours

SCHEDULE 2

re: claim ~~3~~ 3?

Subcontracts & consultants = 105,250.70
Less 20%
~~105,250.70~~

SUBCONTRACTS/CONSULTANTS

SUBCONTRACTS/CONSULTANTS

Bob Elliott, P.Eng. - (Metallurgical Engineering)	July 19	-	\$1,050.00
	Aug 15	-	525.00
	Sept 11	-	1,050.00
	Oct 11	-	700.00

			\$3,325.00
Lakefield Research		-	70.50
Wendell Dunn	Aug 8	-	4,079.20
Thomas & Wendell Dunn Inc.	Oct 16	-	97,776.00
(MgCO ₃ chlorination for Fe ₂ O ₃ removal)			

TOTAL

\$105,250.70

Claim # 3

+ partial
saled 1 & 3
/

Hawkhead Farms Inc.



October 11, 1990

Gary J. Last
Magnesium Refractories Ltd.
Suite 3310
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

charge Fednor projects
 $2 \times 350 = 700$

INVOICE

Time for September 1990 as per attached time sheet

Aldermines Corporation
Magnesium Refractories Ltd.

2 day
2 days

Total

4 days

Invoice as per agreement
8 days @ \$350.00 = \$2,800

TOTAL AMOUNT OF THIS INVOICE \$2,800
=====

Previous time owing to MRL 19 days
Owing for September 4 days

Total accumulated time owed 23 days

R.A. Elliott

R.A. Elliott

RAE/rb

Hawkhead Farms Inc.



September 11, 1990

charge fednor program
3 x 750 = 1050

Gary J. Last
Magnesium Refractories Ltd.
Suite 3310
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

INVOICE

Time for August 1990 as per attached time sheet

Aldermines Corporation	1 day
Magnesium Refractories Ltd.	3 days
Total	4 days

Invoice as per agreement
8 days @ \$350.00 = \$2,800

TOTAL AMOUNT OF THIS INVOICE \$2,800
=====

Previous time owing to MRL	15 days
Owing for August	4 days
Total accumulated time owed	19 days

R.A. Elliott

R.A. Elliott

RAE/rb

R.R.1 Codrington KOK 1R0 • R.A. Elliott Tel. 613-475-1033, J.N. Nelson Tel. 613-475-2728

Hawkhead Farms Inc.



August 15, 1990

Gary J. Last
Magnesium Refractories Ltd.
Suite 3310
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

Fednor
charge is
 $1.5 \times 350. = \$225.00$

INVOICE

Time for July 1990 as per attached time sheet

Aldermines Corporation	1.5 days
Magnesium Refractories Ltd.	1.5 days

Total	3 days

Invoice as per agreement
8 days @ \$350.00 = \$2,800

TOTAL AMOUNT OF THIS INVOICE \$2,800
=====

Previous time owing to MRL	10 days
Total July 1990	5 days

Total accumulated time owed	15 days

R.A. Elliott

R.A. Elliott

RAE/rb

Hawkhead Farms Inc.



July 19, 1990

Gary J. Last
Magnesium Refractories Ltd.
Suite 3310
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

Federal program
charge $3 \times 350 = 1050^{\sim}$
8

INVOICE

Time for June 1990	3 days
Owing to MRL	5 days

Total	8 days

8 days @ \$350.00 = \$2,800

TOTAL AMOUNT OF THIS INVOICE \$2,800
=====

Accumulated time - 10 days (owed to MRL)

R.A. Elliott

R.A. Elliott

RAE/rb

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0293

October 1 19 90

PAY TO THE
ORDER OF Lakefield Research \$*70.50*

SUM OF REGISTERED 70 DOLS 50 CTS 100 DOLLARS

DELORO MAGNESITE VENTURE FUND

Re: Inv 04169



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER _____

A handwritten signature in black ink, appearing to read "John G. Smith".

"000293" :0000020101: 30:51919"



Canadian Imperial
Bank of Commerce
Banque Canadienne
Impériale de Commerce

DELORO MAGNESITE VENTURE FUND

NAME OF REMITTER / NOM D'EXPEDITEUR

PAY TO THE
ORDER OF
PAYEZ A
L'ORDRE DE

WENDELL E. DUNN

THE SUM OF
LA SOMME DE THREE THOUSAND FIVE HUNDRED
AMOUNT IN WORDS / MONTANT EN LETTRES

1-67
210

00002 MAIN BRANCH COMMERCE COURT 446 7381

TORONTO, ONT

TRANSIT NO / N° D'IDENTIFICATION

BRANCH / SUCURSALE

AUG 08/90

DATE

USD

AMOUNT IN FIGURES
MONTANT EN CHIFFRES

UNITED STATES DOLLARS
DOLLARS DES ETATS-UNIS

FOR CANADIAN IMPERIAL BANK OF COMMERCE
POUR LA BANQUE CANADIENNE IMPÉRIALE DE COMMERCE

AUTH NO/AUTOR N°
K350

Kirwan

AUTHORIZED SIGNATURE / SIGNATURE AUTORISÉE

COUNTERSIGNED / CONTRESEING

650 BIL-88/12 OI

TO
TIRÉ IRVING TRUST COMPANY
ONE WALL STREET
NEW YORK, N.Y. 10015

"446 7381" "0210006781" "802 3007100"

- CONSERVEZ CETTE COPIE POUR VOS DOSSIERS -

VOIR "AVIS À L'ACHETEUR" AU VERSO

UJU

NOTICE

CHARGE TO CUSTOMER / IMPUTER AU CLIENT	
RATE / COURS	- 1.1637
EQUIV. CAN \$ CONTRE-VALEUR EN \$ CAN	4,072.95
HANDLING CHARGES/ COMMISSION DE MANIPULATION	- 6.25
TOTAL COST/ COUT TOTAL	4,079.20

P

Magnesium Refractories Ltd.

July 23, 1990

Mr. Wendell E. Dunn, Jr.
Chlor-Pure Corporation
2561 Deadwood Avenue
Rapid City, South Dakota
57702 USA

Dear Wendell:

This letter will confirm our telephone discussion of July 19th concerning the program for preparation of high purity MgO from our magnesite concentrate by removal of iron chloride in a chlorine roast.

The study will be done in three stages, defined as follows:

1. Book Study to evaluate the Ontario Research Corp work, the viability of the concept and recommend further testing.
2. Bench Scale Testing of Iron Removal from magnesite using chlorine roast.
3. Pilot Plant Testing of the Process developed in (2) above.

Subject to successful completion of (2) and (3) above, it may be necessary to do further pilot plant work to develop engineering design parameters.

Schedule for the above work is outlined as:

1. Book Study - August to September 15, 1990.
2. Bench Scale Testing - September 15 to December 31, 1990.
3. Pilot Plant Testing - January to May, 1991.

The cost of the book study (item 1) will be US\$7,000.00 and payment of 50% of this amount is being mailed to you today (ie, US\$3,500.00). Budget for item 2 will be reevaluated prior to commencement of the work, and after completion of the book study.

It is understood that you will be out of the country for an extended period of time in the first six months of 1991, starting up your chlorination plant in India and you will arrange for assignment of the project to your Assistant during your absence, in order that item 3 (pilot plant) can proceed without delay, early in the New Year.

Yours very truly,



James A. Bates
Vice-President

JAB/rb

cc G. Last
R. Elliott

Magnesium Refractories Ltd.

October 16, 1990

Thomas and Wendell Dunn, Inc.
P.O. Box 309
Spearfish, South Dakota
57783 USA

Dear Wendell:

In response to your letter of September 19 we enclose herewith our signed copy of the letter signifying agreement with the three month MgO bench pilot program.

As discussed by telephone we do not wish to prepay the full contract price but attach hereto our bank draft for 50%, being US\$84,000. The remaining 50% will be paid as results become available, approximately November 15.

We are currently preparing, through Lakefield Research, the required 500lbs of low silica flotation concentrate for your later pilot runs. The low iron MgCO₃ material to be produced in such runs should all be retained as it will be used for dead burning product for future market appraisal work.

Yours very truly,

G. J. Last
President

GJL/rb
Encl.

Thomas and Wendell Dunn, Inc.

HIGH TEMPERATURE CHLORINATION RESEARCH

P.O. BOX 309
SPEARFISH, SOUTH DAKOTA 57783

TELEPHONE: 605-342-8731
605-584-2779
TELEX: 910240088

September 19, 1990

Magnesium Refractories Ltd.
Suite 3310
130 Adelaide Street West
Toronto, Ontario
M5H 3PS

Attention: James A. Bates

Dear Jim:

Re: MgO Chlorination

We wish to thank you for your encouraging words on the initial research report provided for the subject work.

Pursuant to your request we are prepared to conduct the bench pilot studies required to develop design data for your Magnesite project feasibility study. We will assemble the equipment in such a way as to establish optimum chlorination conditions for the commercial plant - particularly to verify operating temperature, chlorine consumption, contact conditions etc. Each run will be closely supervised by myself.

We have considered the costs carefully and are prepared to provide the plant design data you need on a turnkey basis. The attached cost summary is somewhat higher than we discussed by telephone but will insure that the job is done thoroughly.

Because there is a considerable mobilization expense we will require that the turnkey price be paid by you in the initial month of the three month program. Since we have now been underway for a week on your verbal advice, we ask that the funds be provided before the end of September.

If you are in agreement please sign in the space provided below and return a copy of the letter to us.

Yours very truly,

Wendell Dunn
Wendell Dunn

Dated this 21 day of September, 1990

James A. Bates
James A. Bates

MAGNESIUM REFRACTORIES' TIMMINS PROJECT

EVALUATION OF CHLORINATION OF MgO CALCINE
FOR REMOVAL OF Fe2O3

BENCH PILOT PROGRAM (3 MONTHS)

Sample preparation	US\$ 11,000.00
Equipment	64,000.00
Materials	8,000.00
Labour	24,000.00
Supervision	22,000.00
Analyses	21,000.00
Report	17,000.00
 TOTAL	US\$ 167,000.00

=====



THE ROYAL BANK
OF CANADA

24170059-142

50-937
213

TORONTO, ONT.

OCT. 16. 1990

PAY TO THE
ORDER OF

THOMAS S WENDELL DUNN, INC. USD \$84,000.00

E-XAC-LS 03610000000000000000

U.S. DOLLARS

RE

TO THE CHASE MANHATTAN BANK
SYRACUSE, NEW YORK

SCHER

COUNTERSIGN

R. J. Ad
Bradley

Signature stamp

c Bradley

Signature stamp

24170059 0213093791 601 2 53008

U.S. DOLLAR DRAFT - PURCHASER'S RECEIPT



THE ROYAL BANK
OF CANADA

24170059

50-937
213

PAY TO THE
ORDER OF

THOMAS S WENDELL DUNN, INC.

CSD 1/16/90 \$84,000.00

E-XAC-LS 03610000000000000000

U.S. DOLLARS

RE
TO

THE CHASE MANHATTAN BANK

NAME
SIGNATURE OF
PURCHASER

TORONTO, ONT.

AMOUNT

84,000.00

@ 1.16440

97,776.00

97,776.00

AMOUNT
EXCHANGED
CASH RECEIVED
CASH REMAINING
DATE
TIME
SIGNATURE

SCHEDULE 2

Oct
Nov

99, 381.50

SUBCONTRACTS/CONSULTANTS

SUBCONTRACTS/CONSULTANTS

Bob Elliott, P.Eng.* -	\$1,050.00
Lakefield Research	Nov - 1,748.00
	Oct - 137.50
Thomas & Wendell Dunn Inc.	96,446.00
TOTAL	\$99,381.50

* attached is deposit data for \$3,325.00 paid to Elliott's company November, 1990 (receipts not provided for last Claim).

DELORO MAGNESITE VENTURE FUND

130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0369

January 11 19 91

PAY TO THE
ORDER OF Hawkhead Farms Inc. *1,050.00*

SUM OF R58N94787 I 050 DOLS 00 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND

Re: Deloro Oct, Nov, Dec Invoices



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER _____

A handwritten signature is written over a horizontal line.

"0000369" "00002" "010" "30" "51919"

Hawkhead Farms Inc.



November 15, 1990

Gary J. Last
Magnesium Refractories Ltd.
Suite 3310
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

Fedorov
14°35'~ - 350~

INVOICE

Time for October 1990 as per attached time sheet

Aldermines Corporation
Magnesium Refractories Ltd.

7 day
1 days

Total

8 days

Invoice as per agreement
8 days @ \$350.00 = \$2,800

TOTAL AMOUNT OF THIS INVOICE \$2,800

Total accumulated time owing - 23 days

R. A. G. Heath

R.A. Elliott

RAE/rb

Hawkhead Farms Inc.



November 29, 1990

Gary J. Last
Magnesium Refractories Ltd.
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

INVOICE

Sednor
350.00

Time for November 1990 as per attached time sheet

Aldermines Corporation
Magnesium Refractories Ltd.

2 days
1 day

Total 3 days

Invoice as per agreement
8 days @ \$350.00 = \$2,800.00

TOTAL AMOUNT OF THIS INVOICE \$2,800.00

=====

Total accumulated time owing - 28 days

R. A. Elliott

R. A. Elliott

RAE/rb

Hawkhead Farms Inc.



December 31, 1990

Gary J. Last
Magnesium Refractories Ltd.
130 Adelaide Street West
Toronto, Ontario
M5H 3P5

INVOICE

Time for December 1990 as per attached time sheet

Aldermines Corporation	2 days
Magnesium Refractories Ltd.	1 day
Total	3 days

ebq. Fed nr. 350⁰⁰

Invoice as per agreement
8 days @ \$350.00 = \$2,800.00

TOTAL AMOUNT OF THIS INVOICE \$2,800.00

Total accumulated time owing - 33 days

R. A. Elliott

R. A. Elliott

RAE/rb

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0360

January 11 19 91

PAY TO THE ----- ORDER OF ----- Lakefield Research ----- \$ *1.748.00*
REGISTERED R38N84787 I 748 DOLS 00 CTS /100 DOLLARS

SUM OF

DELORO MAGNESITE VENTURE FUND

Re: Inv 31635



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

A handwritten signature in black ink, appearing to read 'John' or 'J.W.' followed by a long, flowing line.

0000360 00002010 3051919

INVOICE



LAKEFIELD RESEARCH

A DIVISION OF FALCONBRIDGE LIMITED

P.O. Box 430, 185 Concession St., Lakefield, Ontario K0L 2H0
Phone: (705) 652-3341

Telex No. 06 962842

Fax No. (705) 652-6365

No.: 31635

DATE

November 18 90
19

TO: MAGNESIUM REFRACTORIES
SUITE 3310
130 ADELAIDE STREET, WEST
TORONTO, ONTARIO M5H 3P5
ATTN :MR. J. BATES

SENT TO:

Our Project L.R. 3778 - : Charges for October			
RE: MGO, TALC - PILOT PLANT UNDER DIR. B. ELLIOT			
TO Shipping Charges:			
16.00 hours at \$ 55.00		880.00	
10.00 hours at \$ 65.00		650.00	
2.00 hours at \$ 75.00		150.00	1,680.00
TO Analytical Charges:			
1 B @ \$ 15.00		15.00	
1 FE @ \$ 12.00		12.00	
1 NI @ \$ 11.00		11.00	
2 SIO2 @ \$ 15.00		30.00	68.00
		\$	1,748.00
		=====	=====
<i>H. Payne</i>			
<i>J. Bates</i>			
<i>R. G. King</i>			

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0325

November 19 19 90

PAY TO THE
ORDER OF Lakefield Research ----- \$ *137.50*

SUM OF R38N84787 137 DOLS 50 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND

PER [Signature]



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

"000325" "00002010" "30" "51919"

INVOICE



LAKEFIELD RESEARCH

A DIVISION OF FALCONBRIDGE LIMITED

P.O. Box 430, 185 Concession St., Lakefield, Ontario K0L 2H0

Phone: (705) 652-3341

Telex No. 06 962842

Fax No. (705) 652-6365

No.: 31458

DATE October 15 1990

TO: MAGNESIUM REFRACTORIES
SUITE 3310
130 ADELAIDE STREET, WEST
TORONTO, ONTARIO M5H 3P5
ATTN :MR. J. BATES

SENT TO:

Our Project L.R. 3778 - : Charges for September			
RE: MGO, TALC - PILOT PLANT UNDER DIR. B. ELLIOT			
TO Shipping Charges:			
2.50 hours at \$ 55.00		137.50	137.50
		\$	137.50
		=====	=====
<i>Approved for Payment J. Bates Mag. Refractories. Bonel Scale Work</i>			

Magnesium Refractories Ltd.

December 13, 1990

Dr. Wendell Dunn
Thomas and Wendell Dunn, Inc.
P.O. Box 309
Spearfish, South Dakota
57783 USA

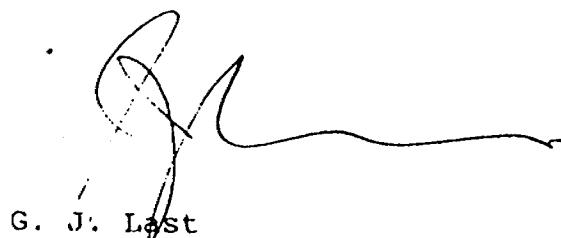
Dear Wendell:

We wish to extend our congratulations to you and your staff for the success obtained treating our MgCO₃ concentrate at low temperature in your bench pilot work.

We understand you now are hopeful that removal of Nickel and Boron, along with the Iron, may be possible. If this is confirmed in the current program, it will greatly improve our ultimate project economics and, subject to commercial pilot work, insure that the Timmins plant is feasible.

We attach hereto our US\$83,000.00 bank draft for the remaining 50% of the program cost pursuant to our contract of September 19, 1990.

Yours very truly,



G. J. Last
President

GJL/rb

FORM 16142 (7-88)

**THE ROYAL BANK
OF CANADA**

24170099-142

TORONTO, ONT. *December 13, 1990*

PAY TO THE ORDER OF *Thomas And Wendell Dunn, Inc.* USD *83,000.00*

EXACTLY *Eighty Three Thousand Dollars*

U.S. DOLLARS

RE *Magnesium Refractories Ltd.*
TO *THE CHASE MANHATTAN BANK*
SYRACUSE, NEW YORK

BORGERS *K. NAYAR*

50-937
213

24170099 0213093796 604253008

FORM 16142 (7-88)

U.S. DOLLAR DRAFT - PURCHASER'S RECEIPT

**THE ROYAL BANK
OF CANADA**

24170099

TORONTO, ONT. *December 13, 1990*

PAY TO THE ORDER OF *Thomas And Wendell Dunn, Inc.* USD *83,000.00*

EXACTLY *Eighty Three Thousand Dollars*

U.S. DOLLARS

PREPARED BY	VERIFIED BY	USD AMOUNT	<i>83,000.00</i>
		RATE	<i>@ 1.1620</i>
		CAD EQUIV	<i>96446.00</i>
		CHARGES (CAD)	<i> </i>
		TOTAL (CAD)	<i>96446.00</i>

SCHEDULE 3

TRAVEL AND EXPENSES

A.	TICKETS	\$1,580.00
B.	EXPENSES	N/A
C.	TELEPHONE, COMPUTER, MISC.	\$4,738.64

		\$6,318.64

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0364

January 11 1991

PAY TO THE
ORDER OF Polar International Travel Inc. ----- \$ *1,580.00*
REGISTRED
R38N94787 1580 DOLS 00 CTS

SUM OF 100 DOLLARS

Re: Inv 06735

DELORO MAGNESITE VENTURE FUND



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

A handwritten signature is written over a horizontal line, which is part of a larger rectangular frame.

0000364 00002010 30 51919

Pilar International Travel Inc.

101 SCOLLARD STREET, TORONTO, ONTARIO M5R 1G4

TELEX: 065-28191

(416) 960-3800

No. 06735

In account with:

Fraser River Placer
130 Adelaide Street West
Suite 3310
Toronto, Ontario
M5H 3P5

*No, chg
May Refr*

2103

date: 19 October 1990

terms: 7 days

arrangements:

Re: Air transportation provided for:

Mr. James Bates

Toronto - Vancouver - Toronto
Air Canada
Business Class
22 - 23 October 1990

Air Fare	\$1,530. 00
CAD Tax	50. 00

TOTAL AMOUNT DUE	\$1,580. 00
------------------	-------------

Approved for Payment

J. Bates

May Refundless (Marketing)

Thank you for calling
Pilar International Travel Inc.

paid...

/ / / / /

TERMS NET CASH 2½% SERVICE CHARGE ON OVERDUE ACCOUNT

THIS IS YOUR INVOICE -- PLEASE REFER TO INVOICE NUMBER AND CONSULTANT ON ALL CORRESPONDENCE.

C. Telephone: 1990 long distance billings
attributable to Magnesite project \$3,192.24

Computer	1,050.00
Computer Graphics	391.40
Ortech International	105.00

	\$4,738.64

0.51 +
0.54 +
11.34 +
10.45 +
15.30 +
0.55 +
3.85 +
6.12 +
2.04 +
151.92+T

0.0
151.92 X
26. %
39.50 +

0.0

151.92 +
39.50 +
191.42+T

0.0

Bell

Membre de Telecom Canada

ACCOUNT NUMBER	DATE	AMOUNT DUE	AMOUNT PAID
416 865 9300	1991 01 07	1407.87	
822 0207 4 45	140		6865 9300 82204 024

— PLEASE DETACH AND
RETURN - DO NOT STAPLE

45
LASTCORP INVESTMENTS LTD Q
S 3310
130 ADELAIDE W
TORONTO ONTARIO
M5H 3P5

065654593006320008220910107020744000000001407874

*** DETACH HERE ***

INQUIRIES: BILLING - 321-5468
ORDERS - 599-8161

PAGE ACCOUNT NUMBER
1 416 865 9300
LASTCORP INVESTMENTS LTD

1991 01 07

6865 9300 82204 024

*** ACCOUNT SUMMARY ***

SERVICES	272.70
EQUIPMENT RENTALS	233.00
TAX - GST	35.40
TAX - PROV.	39.90
OTHER CHARGES OR CREDITS	
TAX - GST	7.36
TAX - FED.	5.51
TAX - PROV.	.45
CHARGEABLE MESSAGES	680.06
TAX - GST	13.27
TAX - FED.	53.95
TAX - PROV.	56.79
DIRECTORY ADVERTISING	20.00
TAX - GST	1.40
TOTAL TAX - GST	57.43
TOTAL TAX - FED.	48.44
TOTAL TAX - PROV.	96.24
TOTAL CURRENT CHARGES	1407.87

= AMOUNT DUE

1407.87

PLEASE PAY THIS AMOUNT UPON RECEIPT.
THE LATE PAYMENT CHARGE RATE OF INTEREST IS 1.75% MONTHLY (23.14% PER ANNUM)

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1206	LEXINGTON	KY 606 277 6188	1128	1	8	.53		.53
2	1206	HAMILTON	ON 416 527 3071	1337	1	8	.53	MZ	.34
3	1206	WASHINGTON	DC 202 473 0721	1426	1	8	.53		.53
4	1206	WIARTON	ON 519 534 3737	1431	2	8	.74	Z	.74
5	1206	VANCOUVER	BC 604 687 9931	1445	1	8	.48	Z	.48
6	1206	CALGARY	AB 403 260 9502	1447	1	8	.48	Z	.48
7	1206	RAPID CITY	SD 605 342 8731	1520	8	8	4.32		4.32
8	1206	LAKEFIELD	ON 705 652 3341	1628	19	8	6.84	Z	6.84

Bell

See reverse for more information
Explications et renseignements supplémentaires au verso

Recycled paper
Papier recyclé

PAGE ACCOUNT NUMBER
2 416 865 9300

1991 01 07

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1206	VANCOUVER	BC 604 685 8730	1651	2	8	.96	Z	.96
2	1206	LEXINGTON	KY 606 255 7991	1155	5	8	2.65		2.65
3	1206	NEW YORK	NY 212 818 9010	1456	2	8	1.02		1.02
4	1206	WASHINGTON	DC 202 473 0721	1244	1	8	.53		.53
5	1206	WASHINGTON	DC 202 473 0721	1343	1	8	.53		.53
6	1206	FTSASKAHWN	AB 403 992 5106	1536	1	8	.48	Z	.48
7	1206	NEW YORK	NY 212 818 0463	1540	1	8	.51		.51
8	1206	NEW YORK	NY 212 818 9010	1540	15	8	7.65		7.65
9	1206	PRINCE GEO	BC 604 563 5353	1610	3	8	1.44	Z	1.44
10	1206	VANCOUVER	BC 604 685 1870	1614	1	8	.48	Z	.48
11	1206	LA JOLLA	CA 619 452 6688	1616	5	8	2.80		2.80
12	1206	PROVO	UT 801 374 6611	1628	23	8	12.88		12.88
13	1207	BOCA RATON	FL 407 368 3431	0941	17	8	9.18		9.18
14	1207	BOCA RATON	FL 407 368 3431	0958	1	8	.54		.54
15	1207	HAMILTON	ON 416 527 3071	1036	1	8	.54	MZ	.34
16	1207	SARASOTA	FL 813 953 3923	1038	1	8	.54		.54
17	1207	SARASOTA	FL 813 953 4089	1038	12	8	6.48	Z	6.48
18	1207	FTSASKAHWN	AB 403 992 5106	1054	8	8	3.84		3.84
19	1207	FLS CHURCH	VA 703 941 6919	1105	1	8	.53		.53
20	1207	RAPID CITY	SD 605 342 8731	1109	9	8	4.86		4.86
21	1207	CHILE	5622316629	1417	22	8	44.10		44.10
22	1207	HAMILTON	ON 416 527 3071	1446	1	8	.96	MZ	.34
23	1207	PRINCE GEO	BC 604 563 5353	1513	2	8	.96	Z	.96
24	1207	PRINCE GEO	BC 604 563 5353	1518	1	8	.48	Z	.48
25	1207	TORONTO	ON 416 923 8759	2204	11	3	5.32		1.42 3.90
		FROM OWENSD	ON						
26	1207	NEW YORK	NY 212 818 9010	1215	2	8	1.02	MZ	1.02
27	1210	HAMILTON	ON 416 527 3071	0910	1	8	.34	Z	.34
28	1210	PRINCE GEO	BC 604 563 5353	1240	4	8	1.92		1.92
29	1210	PROVO	UT 801 374 6611	1256	2	8	1.12		1.12
30	1210	VANCOUVER	BC 604 663 3080	1259	1	8	.48	Z	.48
31	1210	WASHBURN	ND 701 462 8149	1301	1	8	.54	MZ	.34
32	1210	HAMILTON	ON 416 527 3071	1344	1	8	1.12		1.12
33	1210	BAGDAD	AZ 602 633 2241	1344	2	8	.53		.53
34	1210	FLS CHURCH	VA 703 941 6919	1640	1	8		MZ	.34
35	1210	HAMILTON	ON 416 527 3071	1641	1	8			4.28
36	1211	BOLIVIA	5912379248	1002	1	8	4.28		4.28
37	1211	WASHINGTON	DC 202 473 0383	1005	2	8	1.06	MZ	.34
38	1211	HAMILTON	ON 416 527 3071	1030	1	8	.51		.51
39	1211	NEW YORK	NY 212 490 1356	1133	1	8			4.28
40	1211	BOLIVIA	5912379248	1401	1	8	4.32	Z	4.32
41	1211	EDMONTON	AB 403 483 2551	1402	9	8	.53		.53
42	1211	LEXINGTON	KY 606 255 7158	1413	1	8	1.06		1.06
43	1211	LEXINGTON	KY 606 255 7991	1413	2	8		Z	1.24
44	1211	BURLINGTON	ON 416 332 0900	1531	4	8	1.24	MZ	.34
45	1211	HAMILTON	ON 416 527 3071	1628	1	8	7.13		7.13
46	1211	BOLIVIA	5912379248	1631	2	8	.55		.55
47	1211	LAKWOOD	CO 303 234 9020	1633	1	8	1.68		1.68
48	1211	SCOTTSDALE	AZ 602 948 2100	1400	3	8	4.28		4.28
49	1212	BOLIVIA	5912379248	1101	1	8		Z	.96
50	1212	KELOWNA	BC 604 762 0944	1212	2	8		Z	4.80
51	1212	CALGARY	AB 403 260 9502	1228	10	8	10.08	Z	10.08
52	1212	VANCOUVER	BC 604 685 8730	1337	21	8			.96
53	1212	CRANBROOK	BC 604 426 2455	1425	2	8		Z	.48
54	1212	CROSSFIELD	AB 403 946 4505	1435	1	8		MZ	.34
55	1212	HAMILTON	ON 416 527 3071	1441	1	8			4.28
56	1212	BOLIVIA	5912379248	1639	1	8	4.28	Z	.39
57	1212	MONTREAL	PQ 514 844 3017	1640	1	8	.39		5.28
58	1212	CROSSFIELD	AB 403 946 4505	1652	11	8	5.28	Z	.48
59	1212	VANCOUVER	BC 604 685 8730	1233	1	8	.48	Z	.96
60	1212	VANCOUVER	BC 604 663 3080	1234	2	8	.96	Z	.96
61	1212	RAPID CITY	SD 605 342 8731	1236	9	8	4.86		4.86
62	1213	HAMILTON	ON 416 527 3071	0929	1	8		MZ	.34
63	1213	BOLIVIA	5912379248	0933	1	8	4.28		4.28
64	1213	MONTREAL	PQ 514 844 3017	0934	1	8	.39	Z	.39
65	1213	EDMONTON	AB 403 488 5047	1329	1	8	.48	Z	.48
66	1213	CARNegie	PA 412 787 9680	1347	2	8	.98		.98
67	1213	CRANBROOK	BC 604 426 2455	1440	2	8	.96	Z	.96
68	1213	VANCOUVER	BC 604 663 3080	1444	2	8	.96	Z	.96
69	1213	BOLIVIA	5912379248	1629	8	8	24.23		24.23



1991 01 07

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1213	CALGARY	AB 403 265 4490	1118	4	8	1.92	Z	1.92
2	1213	RAPID CITY	SD 605 342 8731	1211	7	8	3.78	Z	3.78
3	1213	VANCOUVER	BC 604 685 8730	1432	5	8	2.40	Z	2.40
4	1213	VANCOUVER	BC 604 687 9931	1507	4	8	1.92	Z	1.92
5	1214	CHILE	5622316629	1001	16	8	32.34		32.34
6	1214	CRANBROOK	BC 604 489 1179	1041	14	8	6.72	Z	6.72
7	1214	HAMILTON	ON 416 527 3071	1129	1	8		MZ	.34
8	1214	OTTAWA	ON 613 598 2490	1130	4	8	1.52	Z	1.52
9	1214	TORONTO	ON 416 865 9300	1312	1	3			1.73
		FROM CALGARYAB							
10	1214	RAPID CITY	SD 605 342 8731	1046	8	3		X	5.72
		FROM CALGARYAB	&						
11	1214	VANCOUVER	BC 604 687 9931	1114	6	3		X	3.96
		FROM CALGARYAB	&						
12	1217	KELOWNA	BC 604 762 4745	1202	6	3		X	3.72
		FROM CALGARYAB							
13	1217	RAPID CITY	SD 605 342 8731	1234	6	8	3.24		3.24
14	1217	HAMILTON	ON 416 527 3071	0916	1	8		MZ	.34
15	1217	RAPID CITY	SD 605 342 8731	1244	8	8	4.32		4.32
16	1217	LAKWOOD	CO 303 234 0273	1410	1	8	.55		.55
17	1217	SARNIA	ON 519 339 3131	1503	1	8	.38	Z	.38
18	1217	SARNIA	ON 519 339 4685	1505	1	8	.38	Z	.38
19	1217	SARNIA	ON 519 339 4985	1508	12	8	4.56	Z	4.56
20	1218	BURLINGTON	ON 416 332 6000	0837	2	8	.62	Z	.62
21	1218	BURLINGTON	ON 416 332 6692	0850	16	8	4.96	Z	4.96
22	1218	LEXINGTON	KY 606 255 7991	0951	2	8	1.06		1.06
23	1218	SUDBURY	ON 705 670 7268	1019	1	8	.38	Z	.38
24	1218	CORAOPOLIS	PA 412 262 2681	1021	11	8	5.39	Z	5.39
25	1218	KELOWNA	BC 604 762 0944	1127	9	8	4.32	Z	4.32
26	1218	KELOWNA	BC 604 762 4745	1136	1	8	.48	Z	.48
27	1218	LANGHORNE	PA 215 741 1855	1152	4	8	2.04		2.04
28	1218	ORANGEVL	ON 519 941 8610	1219	1	8	.34	Z	.34
29	1218	BURLINGTON	ON 416 332 6692	1337	16	8	4.96	Z	4.96
30	1218	VANCOUVER	BC 604 663 3080	1359	13	8	6.24	Z	6.24
31	1218	CRANBROOK	BC 604 426 2455	1413	1	8	.48	Z	.48
32	1218	RAPID CITY	SD 605 342 8731	1419	2	8	1.08		1.08
33	1218	NORTH BAY	ON 705 474 8480	1425	1	8	.38	Z	.38
34	1218	HOPE	BC 604 869 9631	1434	6	8	2.88	Z	2.88
35	1218	CHILE	5622316629	1600	12	8	24.50		24.50
36	1218	NEW YORK	NY 212 490 1356	1417	1	8	.51		.51
37	1218	RAPID CITY	SD 605 342 8731	1534	12	8	6.48	Z	6.48
38	1218	CALEDON E	ON 416 584 2272	1049	2	8	.52	Z	.52
39	1218	SUDBURY	ON 705 670 7268	1154	7	8	2.66	Z	2.66
40	1218	VANCOUVER	BC 604 687 9931	1212	6	8	2.88	Z	2.88
41	1218	PROVO	UT 801 374 6611	1340	19	8	10.64		10.64
42	1219	MONTREAL	PQ 514 844 3017	1037	2	8	.78	Z	.78
43	1219	FLS CHURCH	VA 703 941 8910	1110	1	8	.53	Z	.53
44	1219	VANCOUVER	BC 604 687 8789	1203	1	8	.48	Z	.48
45	1219	VANCOUVER	BC 604 685 1870	1204	1	8	.48	Z	.48
46	1219	VANCOUVER	BC 604 685 8730	1205	1	8	.48	Z	.48
47	1219	BOLIVIA	5912379248	1450	2	8	7.13		7.13
48	1219	BOLIVIA	5912391624	1507	1	8	4.28		4.28
49	1219	CALGARY	AB 403 264 8207	1525	4	8	1.92	Z	1.92
50	1219	RICHMOND	BC 604 276 0989	1546	1	8	.48	Z	.48
51	1219	RAPID CITY	SD 605 342 8731	1548	1	8	.54		.54
52	1219	GRASS VLY	CA 916 432 3762	1556	21	8	11.76		11.76
53	1219	ORANGEVL	ON 519 941 8610	1633	2	8	.68	Z	.68
54	1219	VANCOUVER	BC 604 661 3782	1747	1	8	.48	Z	.48
55	1219	VANCOUVER	BC 604 644 0173	1409	7	8	3.36	Z	3.36
56	1219	HAMILTON	ON 416 527 3071	1056	1	8		MZ	.34
57	1219	VANCOUVER	BC 604 661 3782	1502	2	8	.96	Z	.96
58	1219	PRESTON	ID 208 852 0511	1612	1	8	.56		.56
59	1220	RAPID CITY	SD 605 342 8731	0939	2	8	1.08		1.08
60	1220	LEXINGTON	KY 606 255 7991	1019	1	8	.53		.53
61	1220	VANCOUVER	BC 604 661 3782	1113	10	8	4.80	Z	4.80
62	1220	CRANBROOK	BC 604 426 2455	1407	2	8	.96	Z	.96
63	1220	VANCOUVER	BC 604 685 8730	1622	1	8	.48	Z	.48
64	1220	LADNER	BC 604 946 0776	1623	9	8	4.32	Z	4.32
65	1220	HOPE	BC 604 869 9631	1650	1	8	.48	Z	.48
66	1220	BOLIVIA	5912354968	1216	6	8	18.53		18.53

BellSee reverse for more information
Explications et renseignements supplémentaires au versoRecycled paper
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PAGE 4 ACCOUNT NUMBER
416 865 9300

1991 01 07

*** CHARGEABLE MESSAGES ***

NO	DATE	LOCATION	NUMBER	START	MIN	X	CHARGE	DISCOUNT	AMOUNT
1	1221	CHILE	5622316629	1001	15	8	30.38		30.38
2	1221	STONYPLAIN AB	403 963 2508	1339	2	8	.96	Z	.96
3	1221	STONYPLAIN AB	403 963 2508	1513	1	8	.48	Z	.48
4	1221	WHITEHORSE YT	403 633 3070	1514	1	8	.95	Z	.95
5	1221	TORONTO ON	416 923 8759	1111	3	3			2.70
		FROM MOBILE							
6	1222	CALGARY AB	403 242 8436	1227	6	7		X	3.34
		FROM BOCA R FL							
7	1224	KELOWNA BC	604 762 0944	1919	10	7		X	5.02
		FROM BOCA R FL							
8	0102	NEW YORK NY	212 319 1100	0955	1	8	.51		.51
9	0102	HAMILTON ON	416 527 3071	1015	15	8	4.65	Z	4.65
10	0102	CHILE	5622316629	1401	19	8	38.22		38.22
11	0102	EDMONTON AB	403 483 2551	1423	1	8	.48	Z	.48
12	0102	RAPID CITY SD	605 342 8731	1439	1	8	.54		.54
13	0102	RAPID CITY SD	605 342 8731	1614	21	8	11.34	Z	11.34
14	0102	EDMONTON AB	403 483 2551	1637	20	8	9.60	Z	9.60
15	0102	TORONTO ON	416 865 9300	1440	27	7			10.45
		FROM ORO							
16	0103	NEW YORK NY	212 490 1356	0909	30	8	15.30		15.30
17	0103	CONROE TX	409 756 4471	0949	1	8	.55		.55
18	0103	CONROE TX	409 756 4471	1411	7	8	3.85		3.85
19	0103	EDMONTON AB	403 428 0871	1428	2	8	.96	Z	.96
20	0103	SPRUCE GRV AB	403 962 2361	1430	2	8	.96	Z	.96
21	0103	VANCOUVER BC	604 687 9931	1434	3	8	1.44	Z	1.44
22	0103	RENO NV	702 785 8122	1437	1	8	.56		.56
23	0103	MONTREAL PQ	514 844 3017	1441	21	8	8.19	Z	8.19
24	0103	NEW YORK NY	212 512 9883	1619	12	8	6.12		6.12
25	0103	NEW YORK NY	212 818 9010	1428	4	8	2.04		2.04
26	0103	VANCOUVER BC	604 685 8730	1442	14	8	6.72	Z	6.72
27	0104	CHILE	5622316629	1017	16	8	32.34		32.34
28	0104	BOLIVIA	5912379248	1128	2	8	7.13		7.13
29	0104	CHILE	5622316629	1450	4	8	8.82		8.82
30	0104	SARASOTA FL	813 953 4089	1459	40	8	21.60		21.60
31	0104	ANCASTER ON	416 648 8440	0932	2	8	.68	Z	.68

Z AMOUNT ELIGIBLE FOR TELEPLUS CANADA

SUB-TOTAL OF Z AMOUNT CARRIED TO TELEPLUS CANADA SUMMARY

165.85

TAX-GST 11.16

TAX-FED. 40.68

TAX-PROV. 43.66

SUB-TOTAL OF NON TELEPLUS CANADA CALLS 529.21

SUB-TOTAL INCLUDING TAXES 624.71

TELEPLUS CANADA SUMMARY

AMOUNT ELIGIBLE FOR DISCOUNT AFTER ALL OTHER DISCOUNTS APPLIED 165.85
 MAXIMUM ALLOWABLE AMOUNT FOR DISCOUNT 100.00
 DISCOUNT FOR CANADA PLAN 15.00

TAX-GST 2.11

TAX-FED. 13.27

TAX-PROV. 13.13

SUB-TOTAL 150.85

SUB-TOTAL INCLUDING TAXES 179.36

TOTAL CHARGEABLE MESSAGES

TAX-GST 13.27

TAX-FED. 53.95

TAX-PROV. 56.79

680.06

CODE Z-AMOUNT ELIGIBLE FOR TELEPLUS - CANADA

CODE X - FEDERAL TAX ONLY

THANK YOU FOR USING BELL LONG DISTANCE

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PAGE ACCOUNT NUMBER
5 416 865 9300

1991 01 07

AUTOMATIC BILLING SERVICE IS BEING INTRODUCED DURING 1991. IF YOU RECEIVE A COLLECT CALL, OR ARE CHARGED FOR A LONG DISTANCE CALL FROM A PUBLIC TELEPHONE, A COMPUTERIZED VOICE MAY ASK YOU IF YOU WILL ACCEPT THE CHARGES. PLEASE ANSWER "YES" OR "NO" ONLY.



SCHEDULE 3

Total
5,985

TRAVEL AND EXPENSES

- A. TICKETS
- B. TRAVEL EXPENSES
- C. TELEPHONE, COMPUTER, OTHER

BOLIVIAN SULPHUR VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0010

August 15 19 90

PAY TO THE ORDER OF ----- Pilar International Travel Inc. ----- \$ *928.50*

SUM OF R36N94787 928 DOLS 50 CTS /100 DOLLARS

BOLIVIAN SULPHUR VENTURE FUND

Re: Inv 06298



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

"0000 10" 1:0000 2 0 10: 13 54 2 13"

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0264

August 15 19 90

PAY TO THE ORDER OF ----- Pilar International Travel Inc. ----- \$ *779.76*

SUM OF R36N94787 779 DOLS 76 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND

Re: Inv 06298



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

"0000 264" 1:0000 2 0 10: 30 519 19"

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0282

August 29 19 90

PAY TO THE ORDER OF Pilar International Travel Inc. \$ *29.60*

SUM OF REGISTERED 29 DOLS 60 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND

Re: Inv CR0725, 06320



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

0000 28 21 0000 2 0 101 30 5 19 19

Pilar International Travel Inc.

101 SCOLLARD STREET, TORONTO, ONTARIO M5R 1G4

TELEX: 065-28191

(416) 960-3800

No. CR 0725

in account with:

Lastcorp Investments Ltd.
130 Adelaide Street West
Suite #3310
Toronto, Ontario

date: August 21, 1990.

terms: CREDIT NOTE

2103

arrangements:

RE: Credit Note to Cancel Portion Of Invoice 06320

RE: Mr. G. Last & Mr. J. Bates

Unused Portion Of ticket Pittsburgh-Toronto

Air Fare (2 X 52.00)	104	00
CAD Tax	10	40
US Tax	14	00

Total Credit Amount	\$192	60
---------------------	-------	----

paid...

Thank you for calling
Pilar International Travel Inc.

TERMS NET CASH 2 1/2% SERVICE CHARGE ON OVERDUE ACCOUNT

THIS IS YOUR INVOICE -- PLEASE REFER TO INVOICE NUMBER AND CONSULTANT ON ALL CORRESPONDENCE.

Travel was Toronto-Pittsburgh-Washington - Toronto
with Pittsburgh meeting w/ General Refractories re joint
venture, specifying on dead burned products, markets.

— charge 444⁹⁰ to Magnesia Refractories, project being
two sets economy face, 1, Pennsylvania, transferred to Bohr. Sulfur.
(see 06320
attached)

Trip to Lakefield Research
Lakefield, Ontario
October 15, 1990
Re: Magnesium Refractories Ltd.
Deloro Magnesite

Mileage - 260 miles @ \$0.30 = \$78.00
Meal 10.60

CDN \$88.60

James A. Bates
James A. Bates
October 26, 1990

JAB/rb

Trip to Vancouver
October 22 - 23, 1990
Re: Magnesium Refractories Ltd.
Deloro Magnesite

	<u>CDN\$</u>
Oct 22 Taxi - Toronto Airport	\$ 29.00
Taxi - Vancouver Airport	22.00
Oct 23 Taxi - to Bacon Donaldson	22.00
Taxi - B.D. to Downtown Vancouver	29.00
Taxi - to Vancouver Airport	22.00
Taxi - Toronto Airport	29.00
Meals	13.60

	\$166.60

James A. Bates
James A. Bates
October 26, 1990

JAB/rb

DELORO MAGNESITE VENTURE FUND

130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0241

July 27 1990

PAY TO THE
ORDER OF ----- Bell Canada ----- \$ *1,481.41*

SUM OF REGISTERED 88N04789 T 48 T DOLS 41 T CTS /100 DOLLARS

Re: Tel 865-9300



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

DELORO MAGNESITE VENTURE FUND

PER

"0000241" "0000020101" "30" "51919"

- charge July/Aug phone expense to Magnesite - costs
for Magnesite in period Jan-June were paid by other
accounts. Not accurate allocation but approx. correct.

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0277

August 29 19 90

PAY TO THE
ORDER OF Bell Canada ----- \$ *1,418.05*

SUM OF REGISTERED 1418 DOL\$05 CTS 100 DOLLARS

DELORO MAGNESITE VENTURE FUND

Re: Tel 865-9300



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER _____

A handwritten signature, appearing to read 'John Smith', is written over the signature line and extends upwards towards the date.

000277 000020101 3051919

DELORO MAGNESITE VENTURE FUND
130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0272

August 15 1990

PAY TO THE ----- ORDER OF ----- Markham Data Incorporated ----- \$ *100.00*

SUM OF R38N94787 REGISTERED 100 DOLS 00 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND

Re: Inv #40003



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER

000222 00002010 3051919

DELORO MAGNESITE VENTURE FUND

130 ADELAIDE ST. WEST, SUITE 3310,
TORONTO, ONTARIO M5H 3P5

0215

July 4 19 90

PAY TO THE
ORDER OF ----- Markham Data Incorporated ----- \$150.00*

SUM OF R38N84787 I 50 DOL\$00 CTS /100 DOLLARS

DELORO MAGNESITE VENTURE FUND

Re: Inv 40002



Canadian Imperial Bank of Commerce
MAIN BRANCH-COMMERCE COURT
TORONTO, ONTARIO M5L 1G9

PER _____

A handwritten signature in black ink, appearing to read "John H. Smith". It is positioned over a horizontal line that extends from the PER text above it.

"000215" 1000020101 3051919"



Canadian Imperial
Bank of Commerce
Banque Canadienne
Imperiale de Commerce

DELORO MAGNISITE VENTURE FUND

PAY TO THE
ORDER OF
PAYEZ A
L'ORDRE DE

MAGNESIUM MONTHLY REVIEW

MAIL MONEY ORDER OR CURRENT EXCHANGE UNITED STATES OF AMERICA DRAFTS ON NEW YORK
INTERNATIONAL MONEY ORDER
MANDAT INTERNATIONAL

62-26

311

00002 MAIN BRANCH COMMERCIAL COURT

TORONTO, ONT

AUG 15/90

TRANSIT NO / N° D'IDENTIFICATION

BRANCH / SUCCURSALE

DATE

*****45.00*****

USD

NET OVER
NE DÉPASSE PAS \$ 1,000

THE SUM OF
LA SOMME DE

FORTY FIVE*****

45.00 DOLLARS
45.00 DOLLARS CANADIENS

UNITED STATES DOLLARS
DOLLARS US

FOR CANADIAN IMPERIAL BANK OF COMMERCE
POUR LA BANQUE CANADIENNE IMPERIALE DE COMMERCE

TO
TIRÉ:

MANUFACTURERS HANOVER BANK (DELAWARE)
WILMINGTON, DELAWARE
U.S.A.

[Signature]
LINE EXECUTIVE - CHEF - CHEF DE LA DIRECTION
CONFIRMED - CONFIRMÉ

868 BIL-88/05 O/L

"0650258" 10311002671 6301412148 509"

TO WHOM THE MONEY ORDER IS ISSUED: BNP

868

CHARGE TO CLIENT / CHARGE AU CLIENT	
RATE / TAUX	1.1592
EQUIV CAN \$ CONTRE VALEUR EN \$ CAN	52.16
HANDLING CHARGES COMMISSION DE MANIPULATION	3.50
TOTAL COST COÛT TOTAL	55.66

COPIE DU CLIENT

CONSERVER CETTE COPIE POUR VOS DOSSIERS

VOIR "AVIS À L'ACHETEUR" AU VERSO

Par mesure de précaution en cas de perte du mandat :

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- 2 Au besoin :
 - Inscrire votre nom à l'ordre de donnant d'ordre
 - Inscrire le nom du particulier ou de l'entreprise à qui le mandat est envoyé.



Canadian Imperial
Bank of Commerce
Banque Canadienne
Imperiale de Commerce

DELORO MAGNISITE VENTURE FUND

PAY TO THE
ORDER OF
PAVEZ A
L'ORDRE DE

METAL BULLETIN INC.*****

SELLER'S BUYING RATE FOR DEMAND DRAFTS ON NEW YORK
INTERMATIONAL MONEY ORDER
MANDAT INTERNATIONAL

62-26
311

00002 MAIN BRANCH COMMERCE COURT

TORONTO, ONT

AUG15/90

TRANSIT NO / N° IDENTIFICATION

BRANCH / SUCURSALE

DATE

***** \$42.00 ***

USD

NOT OVER
NE DOIT PAS EXCEDER \$1,000

THE SUM OF
LA SOMME DE

FIVE HUNDRED FORTY TWO*****

NOT OVER ONE THOUSAND DOLLARS
NE DOIT PAS EXCEDER MILLE DOLLARS

UNITED STATES DOLLARS
DOLLARS US

FOR CANADIAN IMPERIAL BANK OF COMMERCE
POUR LA BANQUE CANADIENNE IMPERIALE DE COMMERCE

COUNTERSIGNATURE - COUVERTURE

B68 RBL-83/05 OL

TO
TIRE

MANUFACTURERS HANOVER BANK (DELAWARE)
WILMINGTON, DELAWARE
U.S.A.

868

CHARGE TO CUSTOMER / À RÉPUTER AU CLIENT	
1.1592	
RATE / TAUX	628.29
EQUIV CAN \$ CONTRE VALEUR EN \$ CAN	3.50
HANDLING CHARGES COMMISSION DE MANIPULATION	631.79
TOTAL COST COUT TOTAL	►

ALL INFORMATION CONTAINED HEREIN IS UNPUBLISHED PROPRIETARY INFORMATION

COPIE DU CLIENT

CONSERVER CETTE COPIE POUR VOS DOSSIERS

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Pour mesure de précaution en cas de perte du mandat:

1. Garder cette copie pour vos dossiers
2. Au besoin :
 - Inscrire votre nom à l'iro de donneur d'ordre
 - Inscrire le nom du particulier ou de l'entreprise à qui le mandat est envoyé.

**Magnesium Refractories Ltd - Timmins Project
(\$CND thousands)**

Base Case B Prices

70% Debt

	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>Total</u>
<u>Revenue</u>														
Dead Burned Magnesia	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	437,500
Caustic Calcine	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	73,438
Talc	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	99,400
<u>Total Revenue</u>	24,638	24,638	24,638	24,638	24,638	24,638	24,638	24,638	24,638	24,638	24,638	24,638	24,638	610,338
Less: NSR Royalty	383	383	383	383	383	383	383	383	383	383	383	383	383	9,469
<u>Net Revenue</u>	24,254	24,254	24,254	24,254	24,254	24,254	24,254	24,254	24,254	24,254	24,254	24,254	24,254	600,869
<u>Operating Costs</u>														
Mining Contract	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	29,203
Milling/Concentrating	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	58,641
Iron Processing	250	250	250	250	250	250	250	250	250	250	250	250	250	6,334
Calcining	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	56,761
Briquetting/Burning	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	37,950
Maintenance, Technical, Other	878	878	878	878	878	878	878	878	878	878	878	878	878	22,243
Administration & General	609	609	609	609	609	609	609	609	609	609	609	609	609	15,530
	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	226,662
<u>Operating Profit</u>	15,341	15,341	15,341	15,341	15,341	15,341	15,341	15,341	15,341	15,341	15,341	15,341	15,341	374,206
Less: Interest Expense	—	—	—	—	—	—	—	—	—	—	—	—	—	16,077
Depreciation & Amortization	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	50,000
<u>Net Operating Profit Before Taxes</u>	13,341	13,341	13,341	13,341	13,341	13,341	13,341	13,341	13,341	13,341	13,341	13,341	13,341	308,129
<u>Less: Federal Income Tax</u>	3,318	3,318	3,318	3,318	3,318	3,318	3,318	3,318	3,318	3,318	3,318	3,318	3,318	65,435
Ontario Income Tax	1,668	1,668	1,668	1,668	1,668	1,668	1,668	1,668	1,668	1,668	1,668	1,668	1,668	33,482
Ontario Mining Duty	913	913	913	913	913	913	913	913	913	913	913	913	913	19,298
	5,899	5,899	5,899	5,899	5,899	5,899	5,899	5,899	5,899	5,899	5,899	5,899	5,899	118,215
<u>Net Profit after Taxes</u>	7,442	7,442	7,441	7,441	7,441	7,441	7,441	7,441	7,441	7,441	7,441	7,441	7,441	189,914
<u>Net Cash Flow Calculation</u>														
<u>Net Profit after Taxes</u>	7,442	7,442	7,441	7,441	7,441	7,441	7,441	7,441	7,441	7,441	7,441	7,441	7,441	189,914
Plus: Bank Loans	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Government Grants	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Depreciation	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	50,000
Less: Capital Investment	—	—	—	—	—	—	—	—	—	—	—	—	—	50,000
Bank Loan Repayments	—	—	—	—	—	—	—	—	—	—	—	—	—	—
<u>Net Cash Flow</u>	9,442	9,442	9,441	9,441	9,441	9,441	9,441	9,441	9,441	9,441	9,441	9,441	9,441	189,914
<u>Accumulated Cash Flow</u>	76,620	86,062	95,503	104,945	114,386	123,827	133,268	142,709	152,150	161,591	171,032	180,473	189,914	189,914
DCPROR	26.65	27.03	27.31	27.52	27.68	27.80	27.89	27.96	28.01	28.05	28.09	28.11	28.13	28.13

**Magnesium Refractories Ltd - Timmins Project
(\$CND thousands)**

ATTACHMENT 4

Case Case B Prices

70% Debt

<u>Revenue</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	
Dead Burned Magnesia	-	-	-	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	17,500	
Caustic Calcine	-	-	-	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	2,938	
Talc	-	-	-	1,400	1,400	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	
Total Revenue	-	-	-	21,838	21,838	24,638	24,638	24,638	24,638	24,638	24,638	24,638	24,638	24,638	24,638	
Less: NSR Royalty	-	-	-	327	327	383	383	383	383	383	383	383	383	383	383	
Net Revenue	-	-	-	21,510	21,510	24,254	24,254	24,254	24,254	24,254	24,254	24,254	24,254	24,254	24,254	
<u>Operating Costs</u>																
Mining Contract	-	-	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	1,123	
Milling/Concentrating	-	-	771	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	
Iron Processing	-	-	84	250	250	250	250	250	250	250	250	250	250	250	250	
Calcining	-	-	746	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	2,241	
Briquetting/Burning	-	-	500	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	1,498	
Maintenance, Technical, Other	-	-	293	878	878	878	878	878	878	878	878	878	878	878	878	
Administration & General	-	-	305	609	609	609	609	609	609	609	609	609	609	609	609	
	-	-	3,822	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	8,914	
<u>Operating Profit</u>	-	-	(3,822)	12,597	12,597	15,341	15,341	15,341	15,341	15,341	15,341	15,341	15,341	15,341	15,341	
Less: Interest Expense	-	-	-	4,200	3,682	3,103	2,454	1,726	912	-	-	-	-	-	-	
Depreciation & Amortization	-	-	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	
<u>Net Operating Profit Before Taxes</u>	-	-	(3,822)	6,397	6,914	10,238	10,887	11,614	12,429	13,341	13,341	13,341	13,341	13,341	13,341	
Less: Federal Income Tax	-	-	-	-	-	-	-	-	2,403	3,315	3,316	3,316	3,317	3,317	3,317	
Ontario Income Tax	-	-	-	-	-	-	-	224	1,567	1,667	1,667	1,667	1,668	1,668	1,668	
Ontario Mining Duty	-	-	-	-	-	-	-	121	913	913	913	913	913	913	913	
	-	-	-	-	-	-	-	121	1,137	4,883	5,895	5,896	5,897	5,898	5,898	
<u>Net Profit after Taxes</u>	-	-	(3,822)	6,397	6,914	10,238	10,767	10,477	7,546	7,446	7,445	7,444	7,443	7,443	7,442	
<u>Net Cash Flow Calculation</u>																
Net Profit after Taxes	-	-	(3,822)	6,397	6,914	10,238	10,767	10,477	7,546	7,446	7,445	7,444	7,443	7,443	7,442	
Plus: Bank Loans	-	1,488	14,781	18,732	-	-	-	-	-	-	-	-	-	-	-	
Government Grants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Depreciation	-	-	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	
Less: Capital Investment	-	2,125	21,115	26,760	-	-	-	-	-	-	-	-	-	-	-	
Bank Loan Repayments	-	-	-	4,313	4,830	5,410	6,059	6,786	7,601	-	-	-	-	-	-	
Net Cash Flow	-	(638)	(6,335)	(11,850)	4,084	4,084	6,828	6,707	5,691	1,945	9,446	9,445	9,444	9,443	9,442	
Accumulated Cash Flow	-	(638)	(6,972)	(18,822)	(14,738)	(10,655)	(3,827)	2,880	8,571	10,516	19,962	29,407	38,850	48,294	57,736	67,178
DCFROR	-	-	-	-	-	-	-	4.66	11.19	12.77	17.96	21.07	23.10	24.48	25.45	26.15