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no.105-88  
to 112-88



# IMPORT PROFILE

## Investment Opportunities

BATTERIES

Pub. Nos.: 105-88 to 112-88    January 1988



Government  
of Canada

Regional Industrial  
Expansion

Gouvernement  
du Canada

Expansion industrielle  
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BATTERIES

Pub. Nos.: 105-88 to 112-88 January 1988

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The nearest DRIE Regional Office.  
These offices are listed on the last  
page of this publication.

REFERENCE SOURCES

Department of Regional Industrial Expansion  
Statistics Canada  
Revenue Canada  
Supply and Services Canada

EXPLANATORY NOTES

Valuation

Imports are generally recorded at the values established for customs duty purposes according to the provisions of the Customs Act. Customs values are identical to selling prices for most transactions between non-affiliated companies, but customs values exceed selling prices for many transactions between affiliated companies. All values are reported in Canadian dollars and do not include duty.

Average Growth Rate

Growth rates are calculated on the basis of annual compounding.

Rounding

Figures may not add due to rounding.

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PUB. NOS: 105-88 TO 112-88

CANADIAN MARKET OPPORTUNITIES - IMPORT PROFILE

BATTERIES

INTRODUCTION AND SCOPE

This report is one of a continuing series designed to increase business awareness of the potential existing for domestic production and to stimulate Canadian business to further explore potential opportunities in both the Canadian and export markets. It is important to emphasize that this report does not attempt any assessment as to the feasibility of manufacturing or competing in a particular market and should be treated as an indicator or starting point for the manufacturer or entrepreneur.

This import profile report on batteries is divided into three main parts: Dry Cell Batteries, Wet Cell Storage Batteries, and Parts and Supplies for Batteries. Each of these parts is subdivided into sections as follows:

DRY CELL BATTERIES

WET CELL STORAGE BATTERIES

PARTS AND SUPPLIES FOR BATTERIES

Primary

- Part A - Alkaline, All Types
- Part B - Flashlight Type and Lantern Type
- Part C - Hearing Aid Batteries

- Part F - Motor Vehicle
- Part G - Industrial Motive Power/ Traction, Not Elsewhere Specified

- Part H - Parts and Supplies for Batteries, Not Elsewhere Specified

Secondary

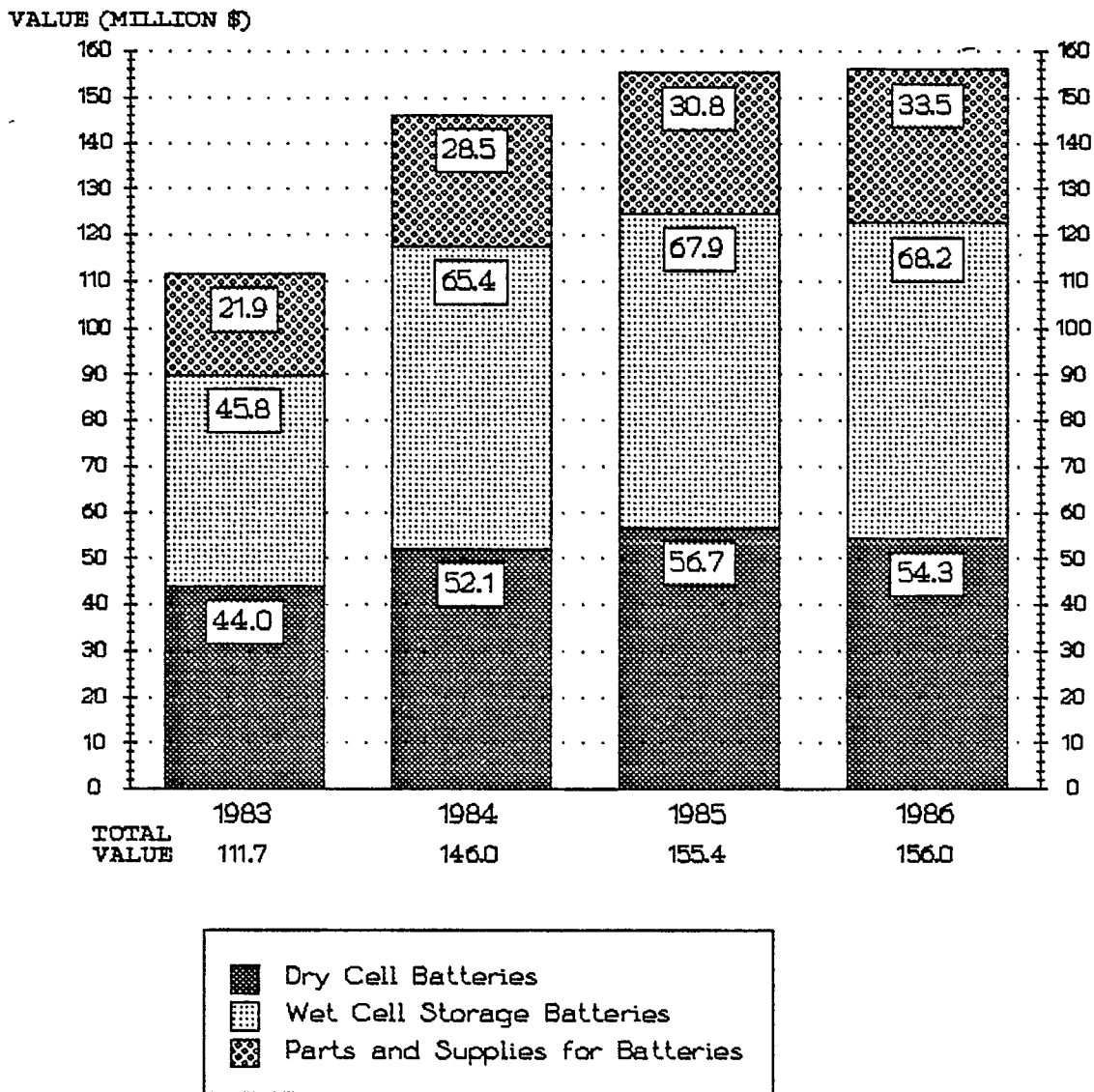
- Part D - Nickel-Cadmium, Silver-Cadmium and Silver-Zinc

Not Elsewhere Specified

- Part E - Dry Cell Batteries, Not Elsewhere Specified

BATTERIES (AGGREGATED DATA)

IMPORT TRENDS: OVERVIEW



Between 1983 and 1986, imports of batteries increased at an average annual rate of 12 per cent, from \$112 million in 1983 to \$156 million in 1986.

Except for a slight drop in the imports of dry cell batteries in 1986, imports of all types of batteries and parts increased continuously throughout the period.

In 1986, the two most important categories of dry cell batteries were nickel cadmium batteries and dry cell batteries, not elsewhere specified, which accounted for 23 per cent and 52 per cent respectively, of the total value of imports of dry cell batteries. During the same year, the most significant wet cell battery category was storage batteries for motor vehicles whose imports accounted for 69 per cent of the total imports of wet cell batteries.

BATTERIES (AGGREGATED DATA)

IMPORT TRENDS: BY TYPE

<u>C.I.T.C. Commodity Code</u>	<u>Description</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>Average Annual Growth Rate 1983-1986 %</u>	<u>Major Country of Export 1986 Value (\$000)</u>
<u>DRY CELL BATTERIES</u>							
<u>Primary</u>							
693-27-25	Alkaline, All Types Value (\$000)	14 157	16 010	15 566	10 654	-9	United States 6 969
693-48-10	Zinc-Carbon Flashlight Type Value (\$000)	432	628	911	527	7	United States 385
693-59-20	Lantern Type Value (\$000)	1 442	2 071	791	130	-55	United States 116
693-52-10	Hearing Aid Batteries Value (\$000)	2 142	1 922	2 190	1 865	-5	United States 1 732
<u>Total - Primary</u> Value (\$000)		18 173	20 631	19 458	13 176	-10	United States 9 202
<u>Secondary</u>							
693-27-40	Nickel-Cadmium Value (\$000)	5 969	9 427	12 212	12 598	28	United States 6 495
693-27-50	Silver-Cadmium Value (\$000)	53	35	49	56	2	United States 36
693-27-55	Silver-Zinc Value (\$000)	107	38	20	19	-44	United States 19
<u>Total - Secondary</u> Value (\$000)		6 129	9 500	12 281	12 673	27	United States 6 550
<u>Not Elsewhere Specified</u>							
693-59-90	Dry Cell, Not Elsewhere Specified Value (\$000)	19 747	21 942	24 985	28 483	13	United States 16 417
<u>TOTAL - DRY CELL BATTERIES</u> Value (\$000)		44 049	52 073	56 724	54 332	7	United States 32 169

BATTERIES (AGGREGATED DATA)

IMPORT TRENDS BY TYPE (CONT'D)

<u>C.I.T.C. Commodity Code</u>	<u>Description</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>Average Annual Growth Rate 1983-1986 %</u>	<u>Major Country of Export 1986 Value (\$000)</u>
<u>WET-CELL BATTERIES</u>							
693-29-20	Storage, Motor Vehicle Value (\$000)	27 671	45 569	49 217	47 083	19	United States 41 964
693-29-40	Storage, Industrial Motive Power/Traction Value (\$000)	158	331	404	120	-9	United States 116
693-29-90	Storage, Not Elsewhere Specified Value (\$000)	17 931	19 513	18 268	21 014	5	United States 13 488
<hr/>							
TOTAL - WET CELL BATTERIES Value (\$000)		45 760	65 413	67 889	68 217	14	United States 55 568
<hr/>							
<u>PARTS AND SUPPLIES FOR BATTERIES</u>							
693-95-10	Batteries, Parts of, Not Elsewhere Specified Value (\$000)	21 877	28 470	30 768	33 482	15	United States 24 030
<hr/>							
TOTAL Value (\$000)		21 877	28 470	30 768	33 482	15	United States 29 030
<hr/>							
GRAND TOTAL Value (\$000)		111 686	145 956	155 381	156 031	12	United States 116 767
<hr/>							

BATTERIES (AGGREGATED DATA)

UNITED STATES' IMPORTS

The United States Department of Commerce reports that in 1986, imports of batteries and parts in the U.S.A. totalled C \$572 million. Japan was the principal country of export to the U.S.A. with C \$272 million, or 48 per cent of the total value of imports. For further details, see Appendix A, page 14.

CANADIAN PRODUCTION

There are approximately 33 producers of batteries and parts in Canada. Twenty-one of the companies are located in Ontario, five in Manitoba, three in British Columbia, two in Nova Scotia, and one in each of Alberta and Québec.

Statistics Canada reports that shipments of all type of batteries totalled \$272 million in 1985, the latest year for which data are available.

CANADIAN EXPORTS

Statistics Canada reports exports of batteries and parts in 1986 as follows:

COMMODITY DESCRIPTION	EXPORTS	
	QUANTITY (No.)	VALUE (\$000)
Wet Cell Storage Batteries	504 584	24 035
Batteries, Not Elsewhere Specified	3 470 628	4 930
Parts and Supplies for Batteries, Not Elsewhere Specified	N/A	2 401
TOTAL		<u>31 366</u>

CANADIAN DOMESTIC MARKET

	<u>1985</u> Value (\$000)
Production (shipments) by Canadian Plants	272 000
Plus: Imports	<u>155 381</u>
Sub Total	427 381
Less: Exports	<u>24 086</u>
Apparent Domestic Market	<u>403 295</u>
Import Penetration (Imports/Apparent Domestic Market)	<u>38.5%</u>

BATTERIES (AGGREGATED DATA)

MARKET SUMMARY

The battery industry comprises those establishments primarily engaged in the manufacture of dry battery cells and storage batteries. The majority of the battery companies in Canada are subsidiaries of multinational companies, making the battery industry in Canada largely foreign controlled. These branch plants are established to produce and market the parent company's products in Canada.

Battery technology has been progressively improving over the past several years, resulting in increased service life, energy density and power levels for both primary and secondary batteries.

Primary cells are usually an inexpensive, lightweight source of power for portable electric devices characterized by their high energy densities. Secondary batteries fall into two major categories:

1. Those applications where the secondary battery is used essentially as a primary battery but recharged after use. These devices are usually associated with electronic consumer applications;
2. Those applications where the secondary battery is used as an energy-storage device, being charged by a prime energy source and delivering its energy to the load on demand.

In the storage battery sector (i.e. wet cells) about 65 per cent of the Canadian market is supplied by two major manufacturers employing about 1 000 people. Because of the weight factor, production facilities in the storage battery sector are dispersed across Canada. Basically, the Canadian plants satisfy Canadian domestic demand only. Imports represent approximately one-third of the Canadian replacement battery market. Exports represent 10-15 per cent of the Canadian domestic market. Competition in the industry is high and companies require large production runs to maintain profitability.

In the dry cell battery market sector, 95 per cent of the Canadian production is supplied by three major Canadian manufacturers, with production largely located in Ontario. The sector manufactures and sells dry cell batteries to consumer, retail, industrial and original equipment markets. The sector's imports are about 30 per cent of the domestic market, and exports constitute approximately 5 per cent of shipments. Imports have made major inroads in the Canadian market and production is likely to continue to suffer from this problem. All major manufacturers supplement their Canadian product line from affiliates around the world. Continued Canadian production of some product lines will depend upon achieving international cost competitiveness. The dry cell battery market is expected to continue to increase and companies are investing in new technology to improve the service life and energy density of their products.

The development of leading edge technologies in the battery sector (e.g. lithium cells, sodium-sulphur batteries, aluminium-air batteries, etc.) by Canadian based companies should have a favourable impact in both the primary and secondary battery sectors. It is these new high-tech batteries that will change the dynamics and scope of the battery market in Canadian and international markets.

This report was prepared by:

the Market Development Branch  
in collaboration with the  
Energy Equipment Division  
Electrical and Energy Equipment Directorate  
Surface Transportation and Machinery Branch

DEPARTMENT OF REGIONAL INDUSTRIAL EXPANSION

Pub. Nos.: 105-88 to 112-88

BATTERIES (AGGREGATED DATA)

UNITED STATES' IMPORTS BY COUNTRY OF ORIGIN - 1986

Due to differences in the import coding systems of the United States and Canada, the product content of commodity codes may differ slightly.

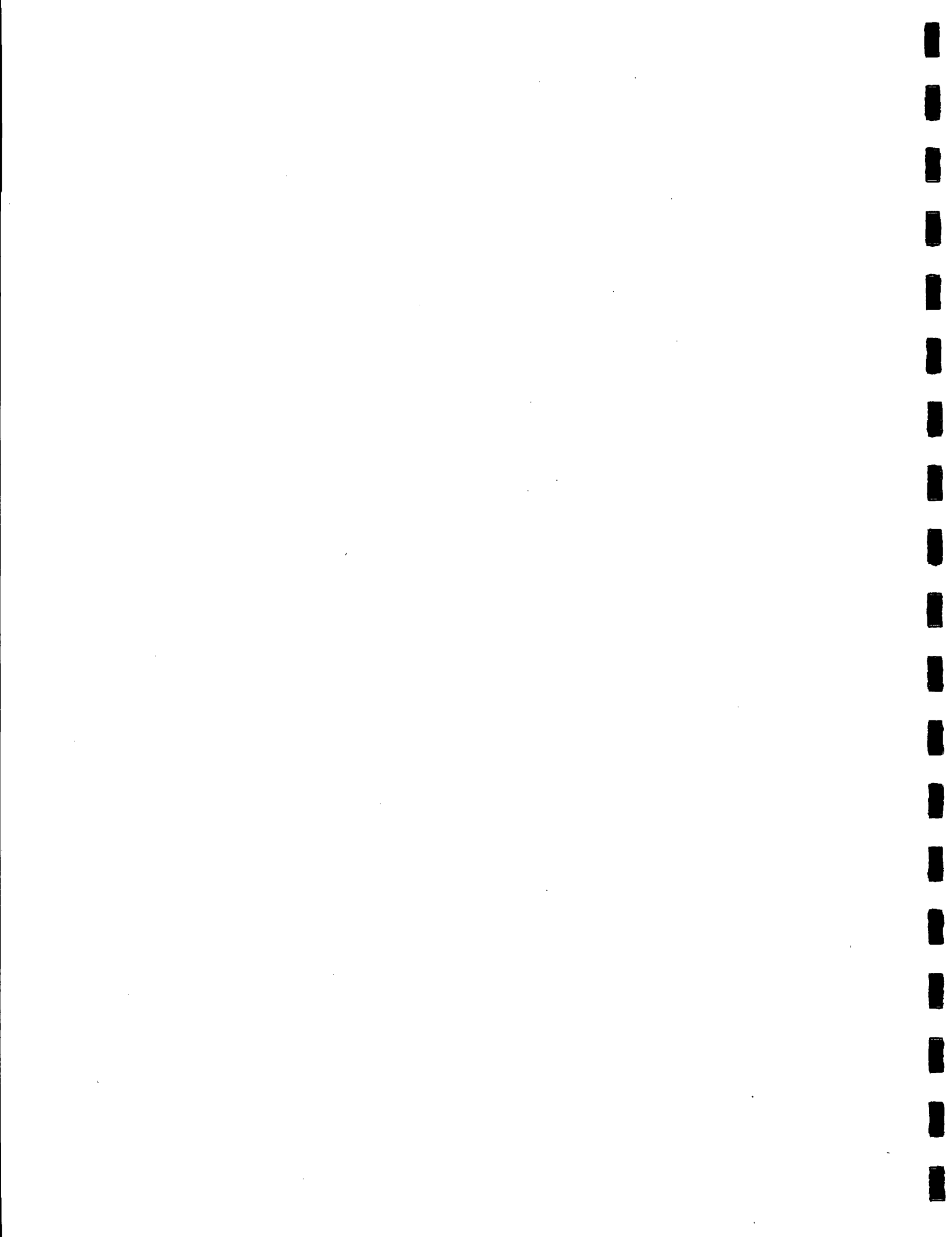
<u>U.S. TARIFF SCHEDULE NUMBER</u>	<u>COMMODITY DESCRIPTION</u>	<u>COUNTRY OF ORIGIN</u>	<u>VALUE<sup>(1)</sup> (C\$000)</u>
682-95-00	Primary Cells, Batteries and Parts:	Canada	1 901
		Japan	142 482
		Hong Kong	17 160
		Belgium	14 000
		Federal Republic of Germany	13 152
		All Other Countries	<u>63 796</u>
		TOTAL	252 491
683-01-00 to 683-14-00	Storage Batteries, 12 Volt, Lead-Acid Type, and Parts:	Canada	29 519
		Japan	40 361
		Mexico	18 015
		Taiwan	12 930
		Federal Republic of Germany	9 237
		Republic of Korea	7 996
		All Other Countries	<u>25 261</u>
TOTAL	150 126		
683-15-05 to 683-15-25	Storage Batteries, Nickel-Cadmium:	Canada	388
		Japan	72 290
		Mexico	52 187
		All Other Countries	<u>25 261</u>
		TOTAL	<u>150 126</u>
683-15-40 to 683-17-00	Other Storage Batteries and Parts:	Canada	921
		Japan	17 223
		Sweden	4 388
		All Other Countries	<u>9 993</u>
		TOTAL	<u>32 525</u>
		GRAND TOTAL	<u>571 862</u>

(1) Conversion factor for U.S. to Canadian dollars = 1.3894 (yearly average, 1986)  
SOURCE: United States Department of Commerce. U.S. Imports for Consumption (Report No. IM 146, December, 1986).

PART A

ALKALINE BATTERIES, PRIMARY DRY CELL (105-88)





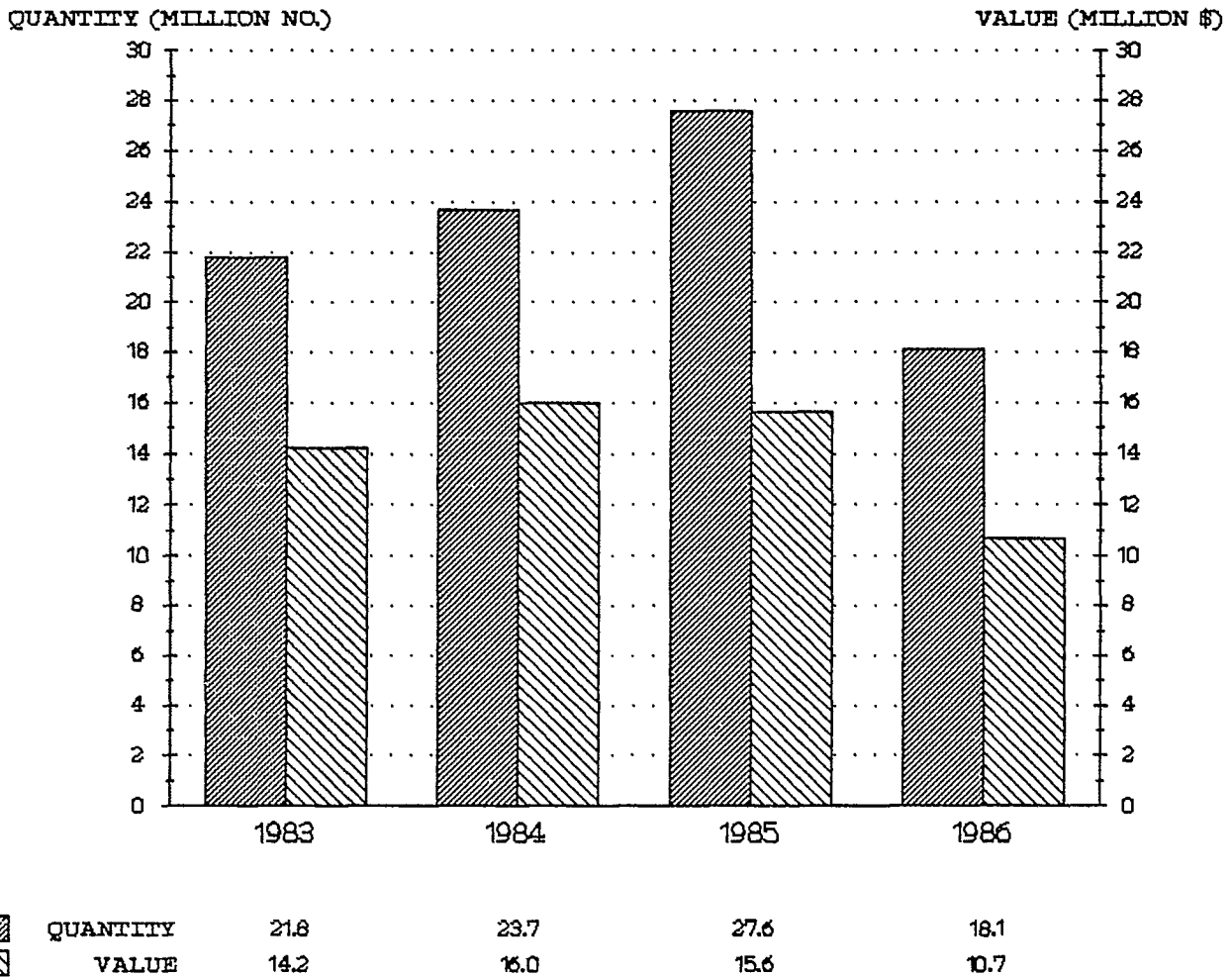
PART A: ALKALINE BATTERIES, PRIMARY DRY CELL

SCOPE

This part of the report analyses imports of alkaline batteries classified to the following commodity code of the Canadian International Trade Classification (C.I.T.C.):

<u>Code</u>	<u>Description</u>
693-27-25	Batteries, Alkaline, All Types e.g. Batteries, Alkaline - Manganese Dioxide

IMPORT TRENDS: OVERVIEW



The value of imports of alkaline batteries of all types increased from \$14.2 to \$16.0 million between 1983 and 1984. It decreased to \$10.7 million in 1986, below the 1983 level.

The volume of imports had a different pattern from the value. Between 1983 and 1985, it rose from 21.8 million units to 27.6 million units. It decreased to 18.1 million units in 1986, below the 1983 level.

PART A: ALKALINE BATTERIES, PRIMARY DRY CELL

IMPORTS TO CANADA BY MAJOR FOREIGN COUNTRY OF EXPORT

<u>Foreign Country of Export</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>Unit Price 1986</u> \$	<u>Average Annual Growth Rate 1983-1986</u> %	<u>Per Cent Change 1985-1986</u>
<b>UNITED STATES</b>							
Quantity ('000 No.)	15 930	11 946	9 943	7 573		-22	-24
Value (\$000)	12 110	10 690	9 135	6 969	0.92	-17	-24
<b>JAPAN</b>							
Quantity ('000 No.)	3 421	7 168	6 001	6 959		27	16
Value (\$000)	1 129	2 706	1 946	1 975	0.28	20	1
<b>HONG KONG</b>							
Quantity ('000 No.)	271	454	320	1 358		71	324
Value (\$000)	44	237	95	590	0.43	138	521
<b>UNITED KINGDOM</b>							
Quantity ('000 No.)	762	1 873	980	635		-6	-35
Value (\$000)	363	935	466	327	0.52	-3	-30
<b>FEDERAL REPUBLIC OF GERMANY</b>							
Quantity ('000 No.)	79	73	3 117	585		95	-81
Value (\$000)	28	119	1 575	247	0.42	107	-84
<b>OTHER</b>							
Quantity ('000 No.)	1 346	2 185	7 216	1 027		-9	-86
Value (\$000)	483	1 323	2 349	546	0.53	4	-77
<b>TOTAL</b>							
Quantity ('000 No.)	21 810	23 699	27 577	18 139		-6	-34
Value (\$000)	14 157	16 010	15 566	10 654		-9	-32
Unit Price (\$)	0.69	0.68	0.56	0.59			

Between 1983 and 1986, the United States was the leading exporter to Canada of alkaline batteries of all types. However, during the same period, its share decreased from \$12.1 million to \$7.0 million. The volume of imports followed the pattern similar to that of the value, decreasing from 15.9 million units to 7.5 million units. The U.S. share of imports was 42 per cent in terms of quantity, and 65 per cent in terms of value, of the import total in 1986.

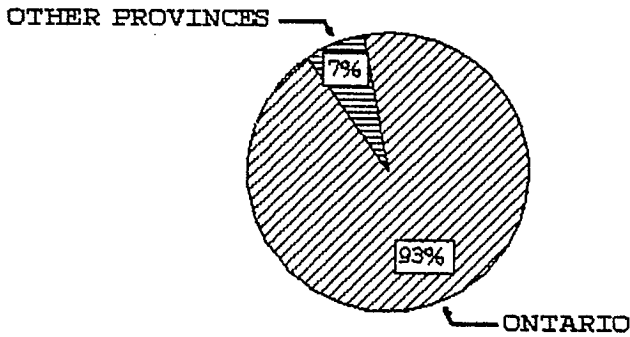
In 1986, the average unit price was 59 cents per alkaline battery. However, the average unit price varied from 28 cents for imports from Japan to 92 cents for those from the U.S.

PART A: ALKALINE BATTERIES, PRIMARY DRY CELL

IMPORTS BY PROVINCE OF CLEARANCE

1986

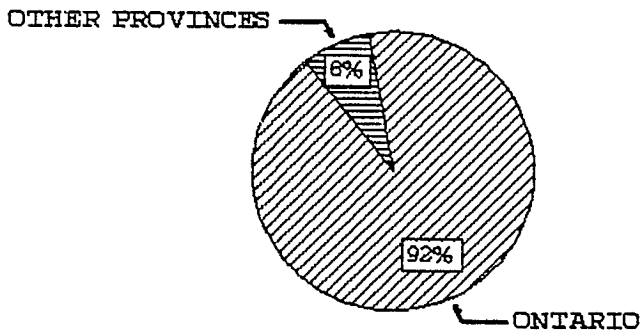
QUANTITY



100% = 18.1 million units

In 1986, most of the imports of alkaline batteries were cleared through the province of Ontario which accounted for 16.9 million units, or 93 per cent of Canadian imports. The other provinces collectively accounted for the remaining 1.2 million units imported into Canada.

VALUE



100% = \$10.7 million

In 1986, most of the value of imports was cleared through the province of Ontario which accounted for \$9.8 million, or 92 per cent of total imports. The other provinces accounted for less than \$1 million.

NOTE: For further information on imports to Canada by major foreign countries of export and provinces of clearance, see Appendix A, page 21.

PART A: ALKALINE BATTERIES, PRIMARY DRY CELL

IMPORT MARKET CONCENTRATION - 1986

	<u>Top 5 Importers</u>	<u>Top 10 Importers</u>	<u>Top 15 Importers</u>	<u>All Importers</u>
Value (\$000)	7 220	8 224	8 659	10 654
Per cent of Total Value	68	77	81	100

In 1986, the 10 major importers accounted for \$8.2 million, or 77 per cent of the total value of imports of alkaline batteries of all types. Four of them were manufacturers and five were wholesalers. Nine of the 10 top importers were located in Ontario.

NOTE: "Top importers" are the known importers with the largest imports by value in 1986.

TYPE AND LOCATION OF THE TOP 24 KNOWN IMPORTERS - 1986  
(85% OF TOTAL IMPORT VALUE)

	<u>MANUFACTURERS</u>		<u>WHOLESALEERS</u>		<u>OTHER</u>		<u>TOTAL</u>	
	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>
Western Provinces	-	-	3	218	-	-	3	218
Québec	-	-	1	2 594*	1	-	2	-
Ontario	8	5 890	9	-	1	302**	18	8 786**
Non-Resident Importers	-	-	-	-	1	-	1	-
Atlantic Provinces	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>8</b>	<b>5 890</b>	<b>13</b>	<b>2 812</b>	<b>3</b>	<b>302</b>	<b>24</b>	<b>9 004</b>
Per cent of 1986 Total Value		55		26		3		85

\* Québec and Ontario aggregated to preserve confidentiality.

\*\* Québec, Ontario and Non-Resident Importers aggregated to preserve confidentiality.

In 1986, there were at least 202 importers of alkaline batteries of all types. The top 24 importers accounted for \$9.0 million, or 85 per cent of Canadian imports. Eight of the top 24 importers were manufacturers whose imports totalled \$5.9 million, or 55 per cent of total imports. Six of these eight manufacturers produced electrical and electronic machinery, equipment and supplies and represented \$5.1 million, or 48 per cent of the import total. Of the top 24 importers, 13 were wholesalers accounting for \$2.8 million, or 26 per cent of the 1986 import total.

PART A: ALKALINE BATTERIES, PRIMARY DRY CELL

IMPORTS TO CANADA BY MAJOR FOREIGN COUNTRY OF EXPORT AND PROVINCE OF CLEARANCE

1986

<u>Foreign Country Of Export</u>	<u>Canada</u>	<u>Nfld.</u>	<u>N.S.</u>	<u>P.E.I.</u>	<u>N.B.</u>	<u>Qué.</u>	<u>Ont.</u>	<u>Man.</u>	<u>Sask.</u>	<u>Alta.</u>	<u>B.C.</u>
<b>UNITED STATES</b>											
Quantity ('000 No.)	7 573	*	1	*	*	85	7 364	15	*	56	52
Value (\$000)	6 969	*	4	4	1	47	6 572	116	1	170	54
<b>JAPAN</b>											
Quantity ('000 No.)	6 959	0	0	0	0	*	6 680	0	0	*	279
Value (\$000)	1 975	0	0	0	0	3	1 681	0	0	1	290
<b>HONG KONG</b>											
Quantity ('000 No.)	1 358	0	0	0	0	51	1 306	0	0	*	2
Value (\$000)	590	0	0	0	0	7	579	0	0	*	3
<b>UNITED KINGDOM</b>											
Quantity ('000 No.)	635	0	0	0	0	346	289	0	0	0	0
Value (\$000)	327	0	0	0	0	125	202	0	0	0	0
<b>FEDERAL REPUBLIC OF GERMANY</b>											
Quantity ('000 No.)	585	0	0	0	0	0	585	0	0	0	0
Value (\$000)	247	0	0	0	0	0	247	0	0	0	0
<b>OTHER</b>											
Quantity ('000 No.)	1 027	0	*	0	0	191	721	0	0	88	27
Value (\$000)	546	0	*	0	0	13	513	0	0	10	9
<b>TOTAL</b>											
Quantity ('000 No.)	18 139	*	1	*	*	673	16 945	15	*	144	360
Value (\$000)	10 654	*	5	4	1	195	9 794	116	1	181	356

\* Less than 500 units or \$500.

PART A: ALKALINE BATTERIES, PRIMARY DRY CELL

CANADIAN TARIFFS

Tariff Item	Description	% of Total Import Value (1986)	Tariff Treatment				
			British Prefer- ential Tariff %	Most Favoured Nation Tariff %	General General Tariff %	General Prefer- ential Tariff %	U.K. and Ireland %
44512-01	Electric and galvanic batteries, n.o.p., and complete parts thereof, including separator walls of wood, cut to size or not:						
	January 1, 1986	99	11.7	11.7	27.5	7.5	11.7
	January 1, 1987		10.8	10.8	27.5	7.0	10.8

N.o.p. - Not otherwise provided for

Tariff Arrangements and Foreign Countries of Export:

Exporting countries which qualify for the Most Favoured Nation tariff treatment: United States, Japan, Federal Republic of Germany

Exporting country which qualifies for the Most Favoured Nation tariff treatment or General System of Preference tariff treatment\*: Hong Kong

Exporting country which qualifies for the Most Favoured Nation tariff treatment or U.K. and Ireland tariff treatment: United Kingdom

\* NOTE: In order to qualify for the General System of Preference tariff treatment, a special certificate of origin is required.

ENQUIRIES CONCERNING TARIFFS SHOULD BE DIRECTED TO THE NEAREST CUSTOMS AND EXCISE OFFICE OR TO:

TARIFF PROGRAMS  
REVENUE CANADA  
CUSTOMS AND EXCISE  
OTTAWA, ONTARIO  
K1A 0L5  
TEL: (613) 954-6996

PART A: ALKALINE BATTERIES, PRIMARY DRY CELL

CANADIAN IMPORTERS

Importers of batteries, alkaline, all types during 1986, as indicated in this report, are listed below in alphabetical order. This list includes all importers except individuals and a minimal number of importers whose names were not available.

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
116844 Canada Limited	Downsview, Ont.	Chloride Canada Ltd.	Mississauga, Ont.
A and A Canada, Div. of Tandy Electronics Ltd.	Barrie, Ont.	Clarke Floor Equipment, Div. of Cooper Industries Canada	Muskegon, MI, USA*
A C Nielson Company of Canada Ltd.	Markham, Ont.	Cobra Importing & Distributing Corp.	Markham, Ont.
A C Simmonds & Sons Ltd.	Pickering, Ont.	Comad Communications Ltd.	Mississauga, Ont.
A Comeau & Associates Ltd.	Edmonton, Alta.	Consec Security Systems Ltd.	Downsview, Ont.
Acme Crafts Ltd.	Mississauga, Ont.	Continent - Wide Enterprises Ltd.	Toronto, Ont.
Ademco Alarm Device of Canada Limited	St-Laurent, Qué.	Contronic Inc.	Mississauga, Ont.
American Hospital Supply Canada Inc.	Mississauga, Ont.	Coroban Plastics Ltd.	New Westminster, B.C.
Apple Canada Inc.	Markham, Ont.	Crash Crippleton's Model Emporium Inc.	Vancouver, B.C.
Arita Import (1979) Co. Ltd.	Weston, Ont.	De Roef Holdings Ltd., D/B/A/ De Roef International	Surrey, B.C.
Aritech Inc. (Canada)	Mississauga, Ont.	Dels Electric Motor Supply Ltd.	Winnipeg, Man.
ASA Leasing, Div. of ASA Corporation Limited	Don Mills, Ont.	Delta International Marketing Ltd.	Toronto, Ont.
Asea Inc.	St-Laurent, Qué.	Deutz-Allis Corporation Canada Ltd.	Mississauga, Ont.
Avinda Video Inc.	Mississauga, Ont.	Digital Equipment Co. Ltd.	Kanata, Ont.
Baknor Industries Ltd.	Mississauga, Ont.	Dixie Tube and Parts, O/B Sartan Manufacturing Co. Ltd.	Mississauga, Ont.
Bell & Howell Ltd.	Weston, Ont.	Dome Petroleum Ltd.	Calgary, Alta.
Berkey Photo Canada Limited	Mississauga, Ont.	Dominion Veterinary Laboratories Limited	Winnipeg, Man.
Biomedical Engineering Shared Service Inc.	Toronto, Ont.	Dong-Phuong Oriental Market Ltd.	Edmonton, Alta.
Black Photo Corporation	Markham, Ont.	Dorso Optics Ltd.	St-Laurent, Qué.
Blackwood Hardware Company Ltd.	Moose Jaw, Sask.	Duracell Inc.	Mississauga, Ont.
Blackwood Hodge Equipment Ltd.	Weston, Ont.	Earlco Distributing Inc.	Rexdale, Ont.
Bomag Canada, a Unit of AMCA International Limited	Mississauga, Ont.	Eastcom Industries Limited	Weston, Ont.
Bombardier Inc.	La Pocatière, Qué.	Electro Rent Corporation	Toronto, Ont.
Boyes Explosives Ltd.	Fenwick, Ont.	Elmo Canada Mfg. Corp.	Bramalea, Ont.
British Fastening Systems Ltd.	Downsview, Ont.	Federal Signal Corporation	University Park, IL, USA*
Cadillac Plastic, Div. of Day Co. Canada Ltd.	Rexdale, Ont.	Fisher Scientific Company Ltd.	Ottawa, Ont.
Can-Am Instrument Ltd.	Mississauga, Ont.	Fred Deeley Cycles Ltd.	Richmond, B.C.
Canadian Airmotive Ltd.	Almonte, Ont.	G M F Robotics Canada Ltd.	Mississauga, Ont.
Canadian Marconi Company Ltd.	Montréal, Qué.	General Electric Medical Systems Limited	Milwaukee, WI, USA*
Canadian National Railways	Montréal, Qué.		
Canon Canada Inc.	Mississauga, Ont.		
Canrep Inc.	New Glasgow, N.S.		
Cardon Communications Inc.	Hamilton, Ont.		



CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
General Mills Canada Inc.	Rexdale, Ont.	Matsushita Industrial Canada Limited	Toronto, Ont.
Geodimeter of Canada Ltd.	Toronto, Ont.	McGarr Marine Ltd.	Longueuil, Qué.
Geophysical Service Incorporated	Richmond Hill, Ont.	Medtronic of Canada Ltd.	Mississauga, Ont.
Grolier Limited	Toronto, Ont.	Mel Manis Elec. Inc.	Mount-Royal, Qué.
H Heidorn & Associates Inc.	Concord, Ont.	Mentek Products Canada Div., Tandy Electronics Ltd.	Barrie, Ont.
Halifax Sheraton Hotel	Halifax, N.S.	Midland Liquidators Ltd.	Vancouver, B.C.
Harrison-Nowell Mobile Radio Services Ltd.	Winnipeg, Man.	Miles Laboratories Ltd.	Rexdale, Ont.
Hasbro Canada Inc.	Longueuil, Qué.	Mirtone Industries Ltd.	Downsview, Ont.
Hastings Ltd.	Scarborough, Ont.	Mobex-Irwin Company, Montreuil Electro Inc.	Toronto, Ont.
Hitachi (HSC) Canada Inc.	Pointe-Claire, Qué.	Motorola Canada Limited, Communications Div.	St-Laurent, Qué.
Hobbycraft Canada, Div. of Canadian Hobbycraft Ltd.	Rexdale, Ont.	National Semiconductor Canada Limited	North York, Ont.
Hub Meat Packers Ltd.	Moncton, N.B.	Neptune Meters Ltd.	Rexdale, Ont.
Hugin Sweda Inc.	Mississauga, Ont.	Nickleson Tool & Die Company Limited	Toronto, Ont.
Hyster Canada Ltd.	Malton, Ont.	Norco Products Ltd.	Windsor, Ont.
I B M Canada Ltd.	Markham, Ont.	Nord-Am Watch (Toronto) Ltd.	Burnaby, B.C.
Intertechnology Ltd.	Don Mills, Ont.	Norman Wade Company Ltd.	Toronto, Ont.
Jabro Batteries (Alta.) Ltd.	Calgary, Alta.	Northern Telecom Canada Limited	Scarborough, Ont.
JB Crafts & Hobbies Ltd.	Rocky Mountain, Alta.	Nutra Vet Feeds Ltd.	Islington, Ont.
Jeelick Technology, O/A Jeelick Inc.	Scarborough, Ont.	Olivetti Canada Limited	St. Malo, Man.
Kane Veterinary Supplies Ltd.	Edmonton, Alta.	Ontario Battery Services Co.	Markham, Ont.
Kilpatrick Investments Ltd., O/A Kilpatrick Communications & Co.	Weston, Ont.	Oriental Trading (Mtl) Ltd.	Rexdale, Ont.
Kingsway Film Equipment Ltd.	Toronto, Ont.	P H Friesen Ltd.	Montréal, Qué.
Kodak Canada Inc.	Toronto, Ont.	Page and Wilson Limited	Winnipeg, Man.
L A Varah Ltd.	Calgary, Alta.	Peachtree Marketing Inc.	Vancouver, B.C.
Landmark Feeds Inc.	Landmark, Man.	Pentax Canada Inc.	Scarborough, Ont.
Lanier Business Products Canada Inc.	Don Mills, Ont.	Philips Electronics Ltd.	Vancouver, B.C.
Lenbrook Industries Limited	Pickering, Ont.	Platinor Jewellery Ltd.	Scarborough, Ont.
Leonard Electric (1981) Limited	Mississauga, Ont.	Polaris Industries Inc.	Montréal, Qué.
Les Must de Cartier Canada Inc.	Toronto, Ont.	Polaroid Canada Inc.	Winnipeg, Man.
Levitt Safety Eastern Ltd.	Toronto, Ont.	Pro Quality International Ltd.	Rexdale, Ont.
Lewis Instruments Ltd.	Winnipeg, Man.	Puritan-Bennett Canada Ltd.	Toronto, Ont.
Lund-Larson Boats Canada Ltd.	Steinbach, Man.	Quebecair Incorporated	Overland Park, KS, USA*
M S A Canada Incorporated	Downsview, Ont.	R Nicholls Distributors Inc.	St-Laurent, Qué.
Makita Power Tools Canada Ltd.	Whitby, Ont.	Radio Shack, a Div. of Tandy Electronics Ltd.	Montréal, Qué.
Marc Privée International Importing Inc.	Montréal, Qué.	Ready-Lite Mfg. Ltd.	Barrie, Ont.
Matsushita Electric of Canada Limited	Mississauga, Ont.	Reynolds & Reynolds (Canada) Ltd.	Victoria, B.C.
		San Francisco Gifts Ltd.	Brampton, Ont.
			Edmonton, Alta.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Sanford Battery Manufacturing Limited	Hamilton, Ont.	Teledyne Canada Limited, Firth Sterling Division	Brantford, Ont.
Sealand Sales Limited	Vancouver, B.C.	The Alexander Battery Corporation	Ottawa, Ont.
Sedpex Inc.	St. John's, Nfld.	Toa Electronics Inc.	Edmonton, Alta.
Semi Tech Microelectronics Corporation	Markham, Ont.	Tokheim of Canada Ltd.	Mississauga, Ont.
Sharp Electronics of Canada Ltd.	Mississauga, Ont.	Travenol Canada Inc.	Mississauga, Ont.
Shivas Watch Inc.	Montréal, Qué.	TSC Stores Limited	London, Ont.
Shriro (Canada) Ltd.	Montréal, Qué.	Ultra Love Prod. Ltd.	Vancouver, B.C.
Société Radio Canada	Montréal, Qué.	Union Carbide Canada Ltd.	Toronto, Ont.
Sony of Canada Ltd.	Willowdale, Ont.	United Co-operatives of Ontario	Mississauga, Ont.
Sotal Ltd.	Montréal, Qué.	Van Dusen Aircraft Supplies Ltd.	Winnipeg, Man.
Sparton of Canada Ltd.	London, Ont.	Varian Canada Inc.	Halton Hills, Ont.
Specialty Manufacturing Ltd.	Vancouver, B.C.	Vintan Limited	Montréal, Qué.
Standard Aero Ltd.	Winnipeg, Man.	Volker Stevin Dredging and Services Canada Ltd.	Calgary, Alta.
State Farm Mutual Automobile Insurance Company	Scarborough, Ont.	W Carsen & Company Limited	Don Mills, Ont.
Stetron International Inc.	Markham, Ont.	Wacker Canada Ltd.	Mississauga, Ont.
Suzuki Canada Inc.	Downsview, Ont.	Westcan Two-Way Radio Ltd.	Edmonton, Alta.
Sweda International, Div. of Litton Canada Inc.	Mississauga, Ont.	Western Rawhide & Harness Manufacturing Co. Ltd.	Winnipeg, Man.
Swenson Canada Inc.	Toronto, Ont.	Windsor Factory Supply Ltd.	Windsor, Ont.
T C E Canada, Div. of Tandy Electronics Ltd.	Barrie, Ont.	Wormald Fire Systems, a Div. of Wormald Canada Inc.	Mississauga, Ont.
Tai Tai Imports Trade Co.	Toronto, Ont.	Zenith Radio Canada Ltd.	Toronto, Ont.

\* Non-resident importer



PART B

FLASHLIGHT AND LANTERN TYPE BATTERIES,  
PRIMARY DRY CELL (106-88)



PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL

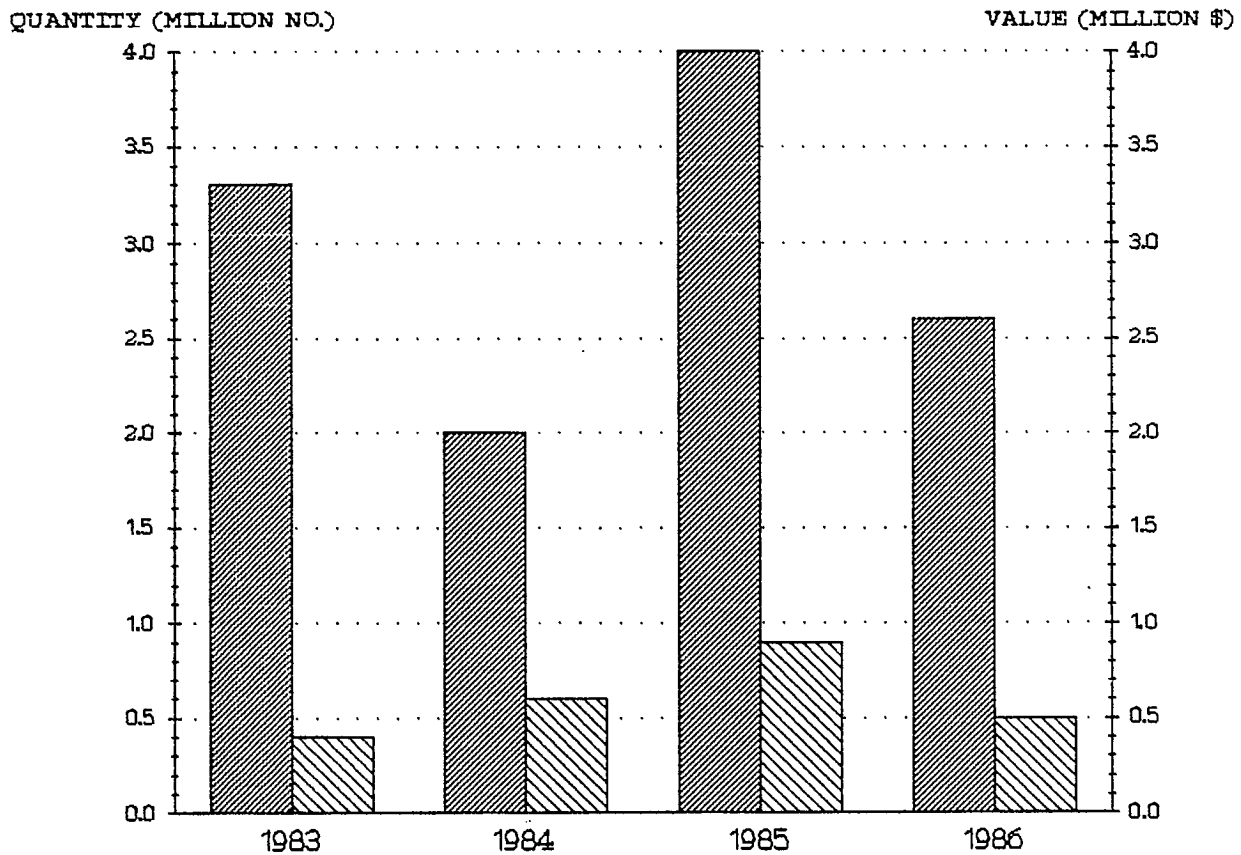
SCOPE

This part of the report analyses imports of flashlight and lantern dry cell batteries classified to the two following import commodity codes of the Canadian International Trade Classification (C.I.T.C.):

<u>Code</u>	<u>Description</u>
693-48-10	Batteries, Zinc-Carbon, Flashlight Type
693-59-20	Batteries, Dry Cell, Lantern Type

IMPORT TRENDS: OVERVIEW

FLASHLIGHT TYPE



■	QUANTITY	3.3	2.0	4.0	2.6
▨	VALUE	0.4	0.6	0.9	0.5

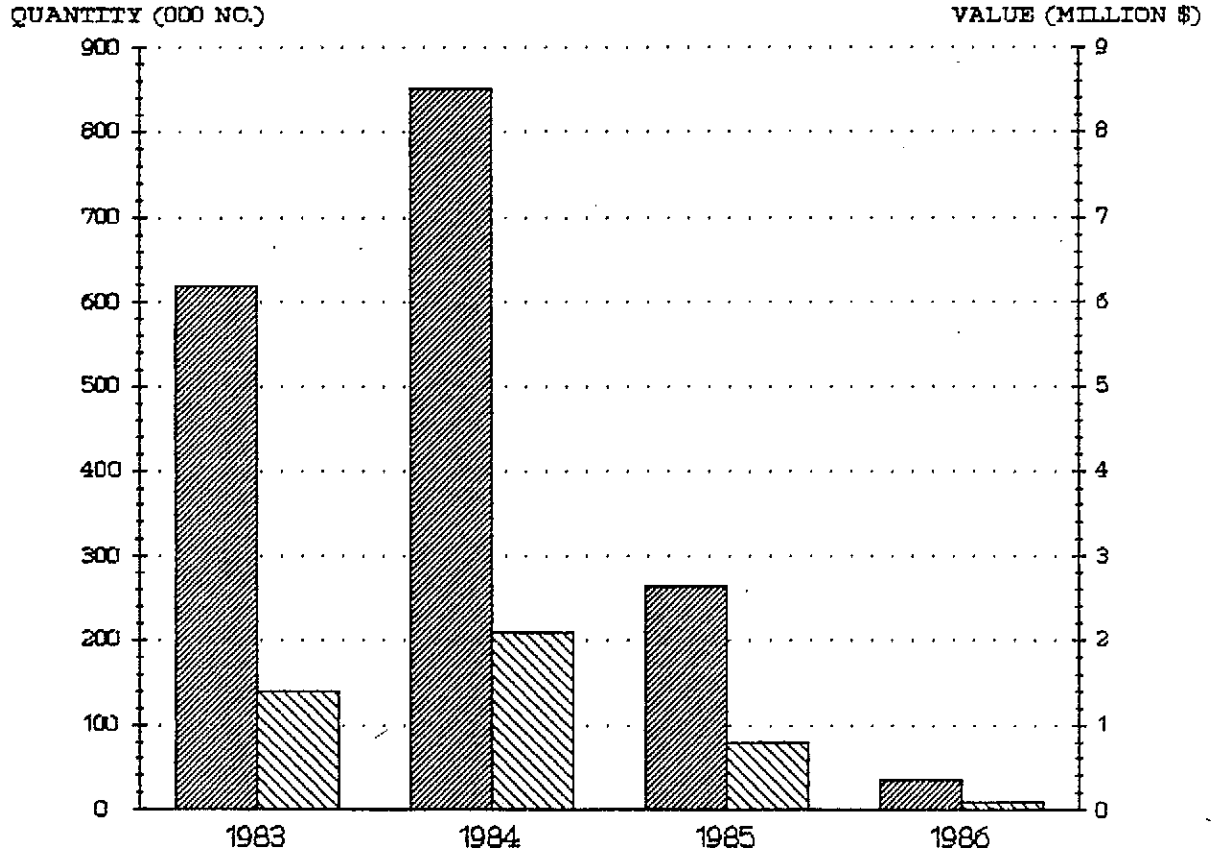
The value of imports of flashlight batteries increased from \$400 000 to \$900 000 between 1983 and 1985 and decreased to \$500 000 in 1986 to reach the level of 1983 and 1984.

The volume of imports followed a different pattern. From 3.3 million units in 1983, it decreased to 2.0 million units in 1984. It rose to 4.0 million units in 1985, and dropped to 2.6 million units in 1986.

PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL

IMPORT TRENDS: OVERVIEW

LANTERN TYPE



	1983	1984	1985	1986
■ QUANTITY	619	651	264	36
▨ VALUE	1.4	2.1	0.8	0.1

The value of imports of lantern type batteries increased from \$1.4 million in 1983 to \$2.1 million in 1984, and dropped drastically to \$130 000 in 1986. The volume of imports followed the same pattern. Between 1983 and 1984, it increased from 619 000 units to 651 000 units, and decreased to 36 000 units in 1986.

PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL

IMPORTS TO CANADA BY MAJOR FOREIGN COUNTRY OF EXPORT

FLASHLIGHT TYPE

Foreign Country of Export	1983	1984	1985	1986	Unit Price	Average Annual Growth Rate	Per Cent Change
					1986	1983-1986	1985-1986
					\$	%	
<b>UNITED STATES</b>							
Quantity (No.)	733 739	1 228 419	2 427 531	1 103 250		15	-55
Value (\$000)	207	562	826	385	0.35	23	-53
<b>REPUBLIC OF KOREA</b>							
Quantity (No.)	96 192	56 760	197 288	1 066 630		123	441
Value (\$000)	8	5	23	83	0.08	118	261
<b>PEOPLE'S REPUBLIC OF CHINA</b>							
Quantity (No.)	288 000	117 096	418 258	142 320		-21	-66
Value (\$000)	18	9	28	23	0.16	9	-18
<b>HONG KONG</b>							
Quantity (No.)	405 636	493 620	803 810	247 110		-15	-69
Value (\$000)	32	36	15	22	0.09	-12	47
<b>JAPAN</b>							
Quantity (No.)	1 484 480	141 896	11 468	89 298		-61	679
Value (\$000)	142	14	2	14	0.16	-54	600
<b>OTHER</b>							
Quantity (No.)	291 200	10 708	137 844	0		-100	-100
Value (\$000)	25	2	17	0	N/A	-100	-100
<b>TOTAL</b>							
Quantity (No.)	3 299 247	2 048 499	3 996 199	2 648 608		-7	-34
Value (\$000)	432	628	911	527		7	-42
Unit Price (\$)	0.13	0.31	0.23	0.20			

N/A - Not applicable

Between 1983 and 1986, the United States was the leading exporter of flashlight batteries to Canada. In 1986, its exports represented 1.1 million batteries, or 41.7 per cent of the total volume, and \$385 000, or 73.1 per cent of the total value of Canadian imports.

In 1986, the average unit price was 20 cents per battery. The U.S. had the highest unit price with 35 cents per unit and the Republic of Korea had the lowest with eight cents per unit. Low unit prices have allowed the Republic of Korea to increase its import market share (in terms of volume) from three per cent to 40 per cent.



PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL

IMPORTS TO CANADA BY MAJOR FOREIGN COUNTRY OF EXPORT

<u>Foreign Country of Export</u>	<u>LANTERN TYPE</u>				<u>Unit Price 1986 \$</u>	<u>Average Annual Growth Rate 1983-1986</u>	<u>Per Cent Change 1985-1986</u>
	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>		<u>1983-1986 %</u>	
<b>UNITED STATES</b>							
Quantity (No.)	319 145	352 503	235 026	29 432		-55	-87
Value (\$000)	941	1 140	753	116	3.94	-50	-85
<b>JAPAN</b>							
Quantity (No.)	5 204	495	214	1 052		-41	392
Value (\$000)	7	*	1	5	4.75	-11	400
<b>MEXICO</b>							
Quantity (No.)	63 016	243 242	0	656		-78	N/A
Value (\$000)	165	597	0	4	6.10	-71	N/A
<b>REPUBLIC OF KOREA</b>							
Quantity (No.)	8 480	41 604	0	3 542		-25	N/A
Value (\$000)	15	54	0	4	1.13	-36	N/A
<b>HONG KONG</b>							
Quantity (No.)	191 347	153 072	21 104	1 573		-80	-93
Value (\$000)	279	221	28	1	0.64	-85	-96
<b>OTHER</b>							
Quantity (No.)	31 890	59 642	7 811	94		-86	-99
Value (\$000)	35	59	9	*	N/A	-100	-100
<hr/>							
<b>TOTAL</b>							
Quantity (No.)	619 082	850 558	264 155	36 349		-61	-86
Value (\$000)	1 442	2 071	791	130		-55	-84
Unit Price (\$)	2.33	2.43	2.99	3.58			

\* Under \$500

N/A - Not applicable

Between 1983 and 1986, the United States was the leading exporter of lantern batteries to Canada. In 1986, its exports represented 29 432 batteries, or 81 per cent of the total volume, and \$116 000, or 89.2 per cent of the value of Canadian imports. Japan, Mexico and the Republic of Korea were the next ranking exporters with exports of \$5 000, \$4 000 and \$4 000, or 3.8 per cent, 3.1 per cent and 3.1 per cent respectively of total Canadian imports.

In 1986, the average unit price was \$3.58. However, Mexico had the highest unit price with \$6.10 per battery and Hong Kong had the lowest with 64 cents per unit.

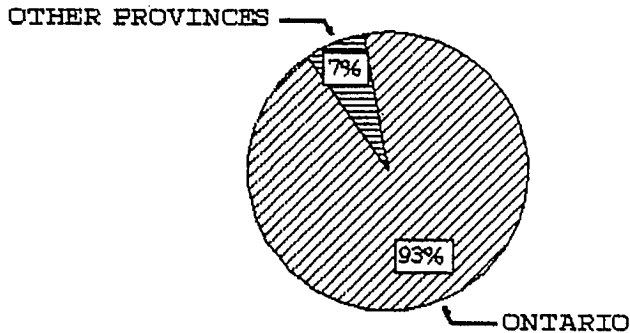
PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL

IMPORTS BY PROVINCE OF CLEARANCE

1986

FLASHLIGHT TYPE

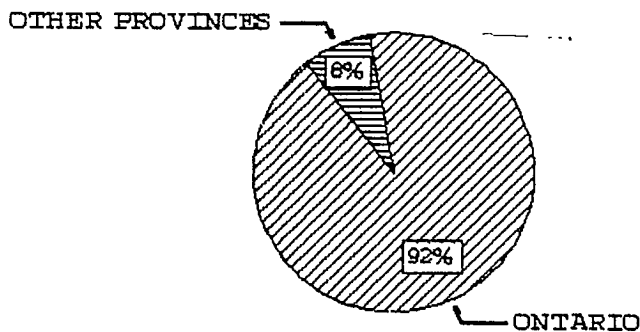
QUANTITY



100% = 2.6 million units

In 1986, most of the imports of flashlight batteries were cleared through the province of Ontario which accounted for 2.4 million batteries, or 93 per cent of Canadian imports. The other provinces accounted for the remaining 200 000 units.

VALUE



100% = \$527 000

In 1986, most of the value of imports was cleared through the province of Ontario which accounted for \$485 000, or 92 per cent of Canadian imports. The other provinces accounted for the remaining \$42 000.

NOTE: For further information on imports by major foreign countries of export and provinces of clearance, see Appendix A1, page 36.

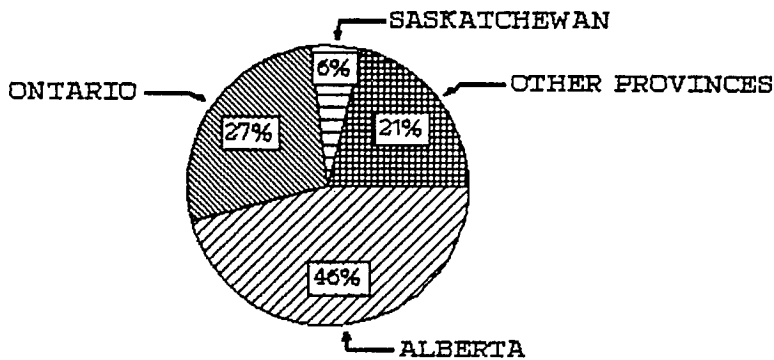
PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL

IMPORTS BY PROVINCE OF CLEARANCE

1986

LANTERN TYPE

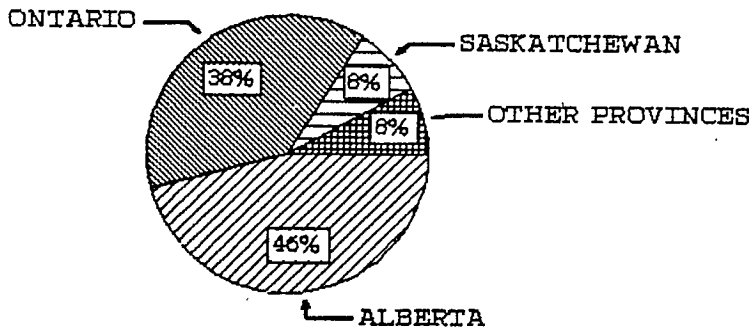
QUANTITY



100% = 36 349 units

In 1986, the principal province of clearance for lantern batteries was Alberta. It accounted for 16 656 batteries or 46 per cent of Canadian imports. The second ranking province of import was Ontario with 9 853 batteries, or 27 per cent of the total.

VALUE



100% = \$130 000

In 1986, Alberta was the main province of clearance. It accounted for \$60 000, or 46 per cent of Canadian imports, followed by Ontario with \$49 000, or 38 per cent.

NOTE: For further information on imports by major foreign countries of export and provinces of clearance, see Appendix A2, page 37.

PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL

IMPORT MARKET CONCENTRATION - 1986

	<u>Top 5 Importers</u>	<u>Top 10 Importers</u>	<u>Top 15 Importers</u>	<u>All Importers</u>
Value (\$000)	413	454	478	657
Per cent of Total Value	63	69	73	100

In 1986, the 10 major importers accounted for \$454 000 or 69 per cent of the total value of imports of flashlight and lantern type batteries. Four of these importers were manufacturers and five were wholesalers. Eight of the 10 top importers were located in Ontario.

NOTE: "Top importers" are the known importers with the largest imports by value in 1986.

TYPE AND LOCATION OF THE TOP 20 KNOWN IMPORTERS - 1986  
(76% OF TOTAL IMPORT VALUE)

	<u>MANUFACTURERS</u>		<u>WHOLESALEERS</u>		<u>OTHER(1)</u>		<u>TOTAL</u>	
	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>
Ontario	5	375*	7	47	1	60*	13	418
Western Provinces	2		2	16**	2		6	79**
Québec	-	-	1		-	-	1	
Atlantic Provinces	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>7</b>	<b>375</b>	<b>10</b>	<b>63</b>	<b>3</b>	<b>60</b>	<b>20</b>	<b>497</b>
Per cent of 1986 Total Value		58		10		9		76

(1) Includes retailers

\* Ontario and Western Provinces aggregated to preserve confidentiality.

\*\* Western Provinces and Québec aggregated to preserve confidentiality.

In 1986, there were at least 64 importers of flashlight and lantern type batteries. The top 20 importers accounted for \$497 000, or 76 per cent of total Canadian imports. Seven of the top 20 companies were manufacturers representing \$375 000, or 58 per cent of the import total. Ten of the top 20 importers were wholesalers, accounting for \$63 000, or 10 per cent of the import total.

PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL

IMPORTS BY MAJOR FOREIGN COUNTRY OF EXPORT AND PROVINCE OF CLEARANCE

1986

FLASHLIGHT TYPE

<u>Foreign Country Of Export</u>	<u>Canada</u>	<u>Qué.</u>	<u>Ont.</u>	<u>Man.</u>	<u>Sask.</u>	<u>Alta.</u>	<u>B.C.</u>
<b>UNITED STATES</b>							
Quantity (No.)	1 103 250	6 786	1 031 516	27 946	8 312	20 584	8 106
Value (\$000)	385	3	354	12	3	8	4
<b>REPUBLIC OF KOREA</b>							
Quantity (No.)	1 066 630	0	998 250	0	0	0	68 380
Value (\$000)	83	0	76	0	0	0	7
<b>PEOPLE'S REPUBLIC OF CHINA</b>							
Quantity (No.)	142 320	24 000	118 320	0	0	0	0
Value (\$000)	23	1	21	0	0	0	0
<b>HONG KONG</b>							
Quantity (No.)	247 110	0	213 510	0	0	0	33 600
Value (\$000)	22	0	20	0	0	0	2
<b>JAPAN</b>							
Quantity (No.)	89 298	0	89 298	0	0	0	0
Value (\$000)	14	0	14	0	0	0	0
<b>TOTAL</b>							
Quantity (No.)	2 648 608	30 786	2 450 894	27 946	8 312	20 584	110 086
Value (\$000)	527	4	485	12	3	8	13

NOTE: Newfoundland, Nova Scotia, Prince Edward Island and New Brunswick report no imports.

PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL

IMPORTS BY MAJOR FOREIGN COUNTRY OF EXPORT AND PROVINCE OF CLEARANCE

1986

LANTERN TYPE

<u>Foreign Country Of Export</u>	<u>Canada</u>	<u>Qué.</u>	<u>Ont.</u>	<u>Man.</u>	<u>Sask.</u>	<u>Alta.</u>	<u>B.C.</u>
<b>UNITED STATES</b>							
Quantity (No.)	29 432	2 884	8 009	155	2 265	13 656	2 463
Value (\$000)	116	4	42	*	11	56	3
<b>JAPAN</b>							
Quantity (No.)	1 052	500	552	0	0	0	0
Value (\$000)	5	2	3	0	0	0	0
<b>MEXICO</b>							
Quantity (No.)	656	0	654	0	0	0	0
Value (\$000)	4	0	4	0	0	0	0
<b>REPUBLIC OF KOREA</b>							
Quantity (No.)	3 542	0	542	0	0	3 000	0
Value (\$000)	4	0	1	0	0	3	0
<b>HONG KONG</b>							
Quantity (No.)	1 573	0	0	0	0	0	1 573
Value (\$000)	1	0	0	0	0	0	1
<b>OTHER</b>							
Quantity (No.)	94	0	94	0	0	0	0
Value (\$000)	*	0	*	0	0	0	0
<b>TOTAL</b>							
Quantity (No.)	36 349	3 384	9 853	155	2 265	16 656	4 036
Value (\$000)	130	6	49	*	11	60	4

NOTE: Newfoundland, Nova Scotia, Prince Edward Island and New Brunswick report no imports.

\* Less than \$500

PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL

CANADIAN TARIFFS

Tariff Item	Description	% of Total Import Value (1986)	Tariff Treatment					
			British Prefer- ential Tariff %	Most Favoured Nation Tariff %	General Tariff %	General Prefer- ential Tariff %	U.K. and Ireland %	
44512-01	Electric and galvanic batteries, n.o.p., and complete parts thereof, including separator walls of wood, cut to size or not:							
	January 1, 1986	97	11.7	11.7	27.5	7.5	11.7	
	January 1, 1987		10.8	10.8	27.5	7.0	10.8	
41045-01	Miners' safety lamps; miners' acetylene lamps; accessories for cleaning, filling, charging, opening and testing miners' lamps; battery renewal preparations for miners' electric safety lamps; all for use exclusively at mines; parts of the foregoing:							
	January 1, 1986	2	Free	Free	Free	Free	Free	
	January 1, 1987		Free	Free	Free	Free	Free	

N.o.p. - Not otherwise provided for

Tariff Arrangements and Foreign Countries of Export:

Exporting countries which qualify for the Most Favoured Nation tariff treatment: United States, Japan  
 Exporting countries which qualify for the Most Favoured Nation tariff treatment or General System of Preference tariff treatment\*: Republic of Korea, People's Republic of China, Hong Kong, Mexico.

\* NOTE: In order to qualify for the General System of Preference tariff treatment, a special certificate of origin is required.

ENQUIRIES CONCERNING TARIFFS SHOULD BE DIRECTED TO THE NEAREST CUSTOMS AND EXCISE OFFICE OR TO:

TARIFF PROGRAMS  
 REVENUE CANADA  
 CUSTOMS AND EXCISE  
 OTTAWA, ONTARIO  
 K1A 0L5  
 TEL: (613) 954-6996

PART B: FLASHLIGHT AND LANTERN TYPE BATTERIES, PRIMARY DRY CELL  
CANADIAN IMPORTERS

APPENDIX C

Importers of dry cell batteries, flashlight and lantern type during 1986, as indicated in this report, are listed below in alphabetical order. This list includes all importers except individuals and a minimal number of importers whose names were not available. The numbers in brackets following the names of the importers indicate the specific types of batteries they are importing as follows: (1) flashlight type; (2) lantern type.

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Ademco Alarm Device of Canada Limited(1)	St-Laurent, Qué.	Georges Daigneault Ltée(1)	Montréal, Qué.
Atelco Inc.(2)	Scarborough, Ont.	Hewlett-Packard (Canada) Limited(1)	Mississauga, Ont.
B W B Battery (Corp) Ltd., O/A The Battery Shop(2)	Calgary, Alta.	Inter Trade-Canada Ltd.(1)	North Vancouver, B.C.
Backman Auto and Bicycle Accessory Company	Montréal, Qué.	John Deere Ltd.(2)	Grimsby, Ont.
Baron Produits de Plein Air Ltée(1)	Montréal, Qué.	Kane Veterinary Supplies Ltd.(1)	Edmonton, Alta.
Bell & Howell Ltd.(1)	Weston, Ont.	Landmark Feeds Inc.(2)	Landmark, Man.
Biomedical Engineering Shared Service Inc.(2)	Toronto, Ont.	Levitt Safety Eastern Ltd.(2)	Toronto, Ont.
Budget Promotion Co. Ltd.(1)	Burnaby, B.C.	Matsushita Electric of Canada Limited(1)	Mississauga, Ont.
Canadian Co-operative Wool Growers Ltd.(1)	Carleton Place, Ont.	McGraw-Edison Power Systems, A Div. of Cooper Ind. (Canada) Inc.(2)	Willowdale, Ont.
Canadian General Electric Co. Ltd.(1)	Toronto, Ont.	Miles Laboratories Ltd.(2)	Rexdale, Ont.
Century Sales & Service Ltd.(1)	Edmonton, Alta.	Montréal Sales Promotion Ltd.(1)	Pointe-Claire, Qué.
Colonial Coffee Company Limited(2)	Windsor, Ont.	Morrie Hackner Import Ltd.(1)	Downsview, Ont.
Control Data Canada Ltd.(1)	Mississauga, Ont.	National Mine Service (Canada) Ltd.(2)	Indiana, PA, USA*
Davis Controls Limited(2)	Islington, Ont.	New-Line Products Ltd.(1)	Burnaby, B.C.
De Havilland Aircraft of Canada Ltd.(2)	Downsview, Ont.	Nord-AM Watch (Toronto) Ltd.(1)	Toronto, Ont.
Dorcy Ashflash-Canada Ltd.(1)(2)	Niagara Falls, Ont.	Parsons Aeroaccessories Limited(2)	Stoney Creek, Ont.
Eldon Industries of Canada Inc.(2)	Markham, Ont.	Petro Key Holdings Ltd.(2)	Edmonton, Alta.
Electrozad Supply Company Ltd.(1)	Windsor, Ont.	R Nicholls Distributors Inc.(1)	Montréal, Qué.
Enercell Sales Co.(1)	Burnaby, B.C.	Rubbermaid Canada Inc.(2)	Mississauga, Ont.
Eversonic Inc.(1)	Downsview, Ont.	Sharp Electronics of Canada Ltd.(2)	Mississauga, Ont.
Excellent Hardware Import Ltd.(1)	Montréal, Qué.	Southern Music Ltd.(1)	Calgary, Alta.
Far East Trading Co.(1)	Willowdale, Ont.	Union Carbide Canada Ltd.(1)(2)	Toronto, Ont.
Federal Battery Dist. Ltd.(1)	Richmond, B.C.	United Farmers of Alberta Co-operative Ltd.(1)	Calgary, Alta.
Federated Co-operatives Ltd.(1)	Canoe, B.C.	Van Dusen Aircraft Supplies Ltd.(1)	Winnipeg, Man.
Feed-Rite Ltd.(1)	Winnipeg, Man.	Vick Investments Ltd.(1)(2)	Vancouver, B.C.
Fisher Scientific Company Ltd.(1)(2)	Ottawa, Ont.	Viking Sprinkler Co. Ltd.(2)	Vancouver, B.C.
Fleck Bros., Div. of Steetley Dist. Inc.(1)	Burnaby, B.C.	Westburne Industrial Enterprises Ltd.(2)	Montréal, Qué.
General Films Inc.(1)	Scarborough, Ont.	Whalley Hardware, Div. of Holland Import Inc.(1)	Burnaby, B.C.
		Windsor Factory Supply Ltd.(2)	Windsor, Ont.
		World Book & Child Craft Ltd.(1)	Chicago, IL, USA*

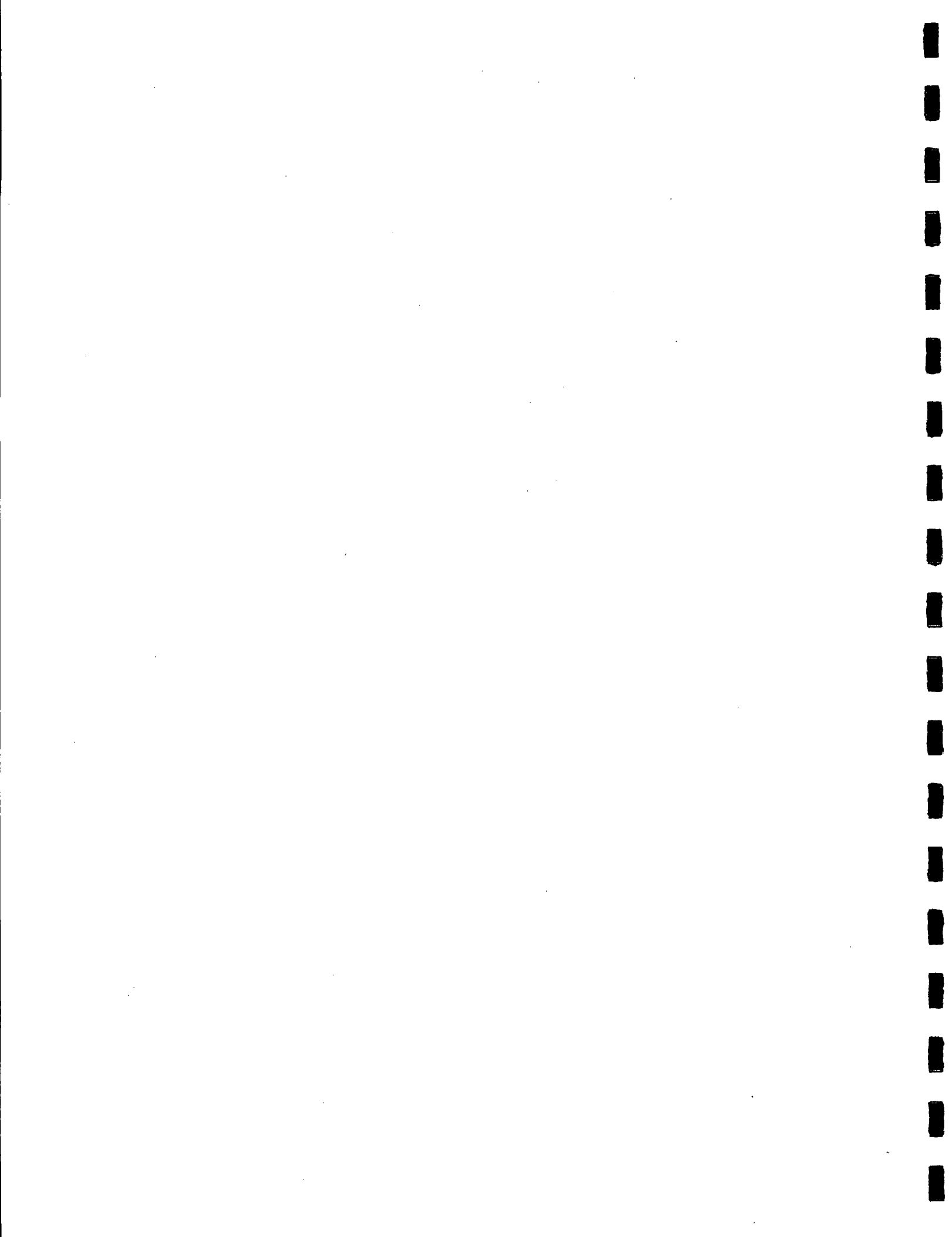
\* Non-resident importer





PART C

HEARING AID BATTERIES, PRIMARY DRY CELL (107-88)



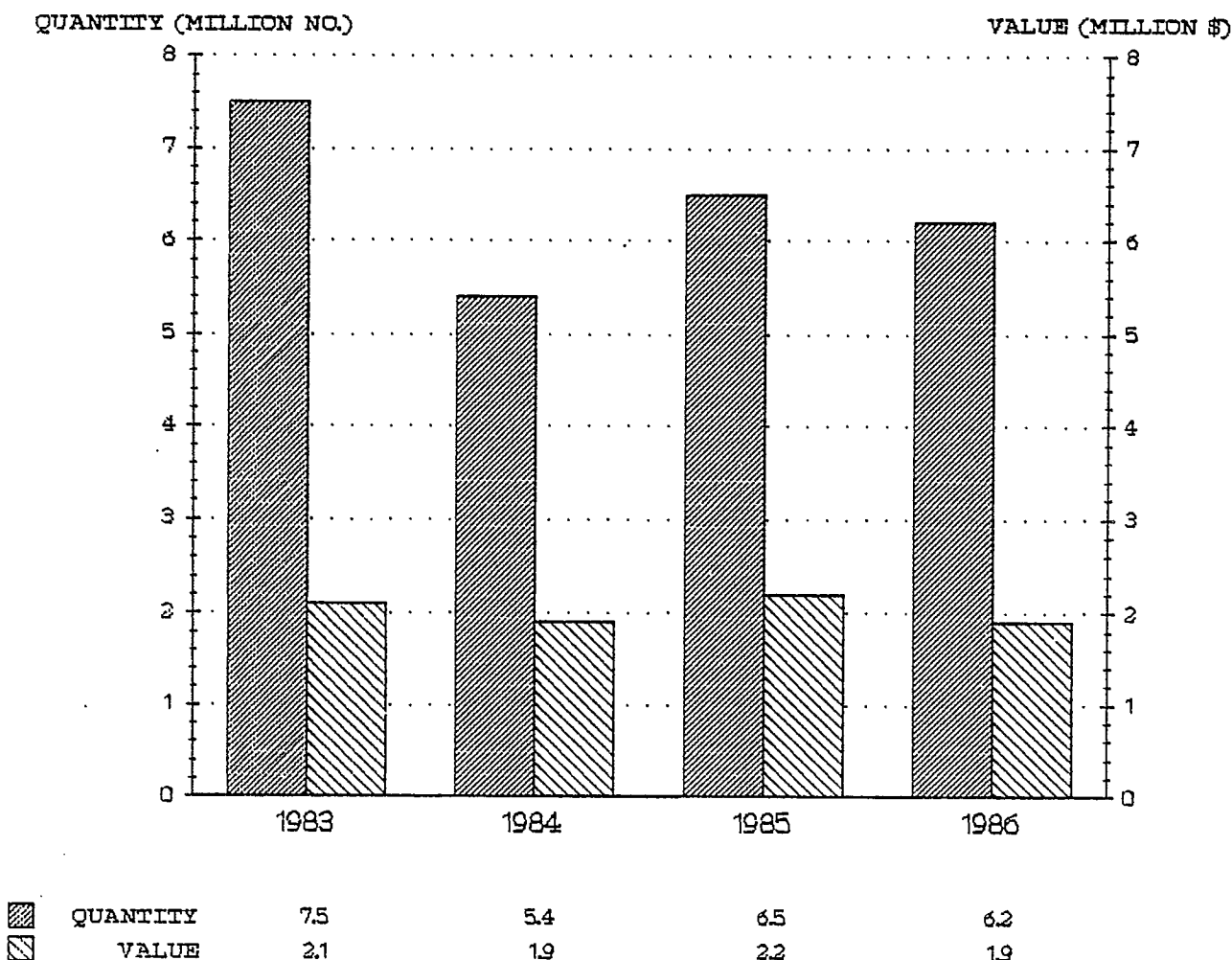
PART C: HEARING AID BATTERIES, PRIMARY DRY CELL

SCOPE

This part of the report analyses imports of hearing aid dry cell batteries classified to the following import commodity code of the Canadian International Trade Classification (C.I.T.C.):

<u>Code</u>	<u>Description</u>
693-52-10	Batteries, Dry Cell, hearing Aid e.g. - Batteries, Mercury, Hearing Aid Type - Batteries, Silver Oxide, Hearing Aid Type

IMPORT TRENDS: OVERVIEW



The value of imports of hearing aid batteries remained steady between 1983 and 1986 at about \$2 million annually. In terms of quantity, imports were at their highest in 1983 at 7.5 million units, dropping to 6.2 million units by 1986.

PART C: HEARING AID BATTERIES, PRIMARY DRY CELL

IMPORTS TO CANADA BY MAJOR FOREIGN COUNTRY OF EXPORT

<u>Foreign Country of Export</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>Unit Price 1986</u> \$	<u>Average Annual Growth Rate 1983-1986</u> %	<u>Per Cent Change 1985-1986</u>
<b>UNITED STATES</b>							
Quantity ('000 No.)	7 201	4 976	6 190	5 793		-7	-6
Value (\$000)	2 077	1 801	2 098	1 732	0.30	-6	-17
<b>JAPAN</b>							
Quantity ('000 No.)	84	106	227	262		46	15
Value (\$000)	12	51	58	69	0.26	79	19
<b>UNITED KINGDOM</b>							
Quantity ('000 No.)	76	235	121	167		30	39
Value (\$000)	19	58	32	64	0.38	50	100
<b>FEDERAL REPUBLIC OF GERMANY</b>							
Quantity ('000 No.)	177	52	1	1		-82	-17
Value (\$000)	34	12	1	1	0.91	-69	0
<hr/>							
<b>TOTAL</b>							
Quantity ('000 No.)	7 537	5 369	6 540	6 224		-6	-5
Value (\$000)	2 142	1 922	2 190	1 865		-5	-15
Unit Price (\$)	0.28	0.36	0.33	0.30			

Between 1983 and 1986, the United States was the principal exporter to Canada of hearing aid batteries. That country accounted for 93 per cent of both total import volume (5.8 million units) and value (\$1.7 million) in 1986.

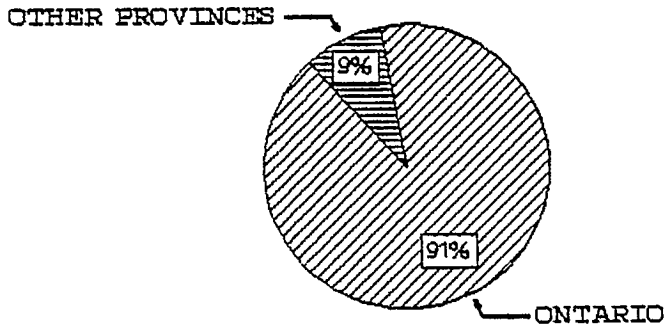
The average unit price in 1986 was 30 cents per battery.

PART C: HEARING AID BATTERIES, PRIMARY DRY CELL

IMPORTS BY PROVINCE OF CLEARANCE

1986

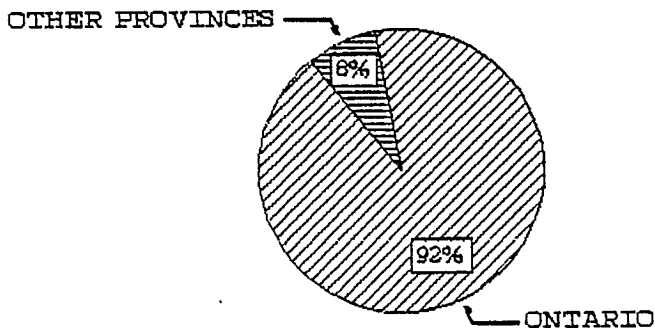
QUANTITY



100% = 6.2 million units

Ontario was the principal province of entry into Canada for imports of hearing aid batteries in 1986, accounting for 5.7 million units, or 91 per cent of the import total. The other provinces accounted for the remaining 554 000 units imported into Canada (nine per cent of total imports).

VALUE



100% = \$1.9 million

In terms of value, Ontario was the principal province of entry in 1986, accounting for \$1.7 million, or 92 per cent of the import total. The other eight per cent of imports (\$149 000) entered Canada through the other provinces.

NOTE: For more detailed data on imports by major foreign countries of export and provinces of clearance, see Appendix A, page 47.

PART C: HEARING AID BATTERIES, PRIMARY DRY CELL

IMPORT MARKET CONCENTRATION - 1986

	<u>Top 5 Importers</u>	<u>Top 10 Importers</u>	<u>All Importers</u>
Value (\$000)	1 547	1 797	1 865
Per cent of Total Value	83	96	100

In 1986, the top 10 importers of hearing aid batteries accounted for \$1.8 million, or 96 per cent of the total import value. Of these 10 importers, five were manufacturers and five were wholesalers. Eight of the 10 importers were located in Ontario.

NOTE: "Top importers" are the known importers with the largest imports by value in 1986.

TYPE AND LOCATION OF THE TOP 16 KNOWN IMPORTERS - 1986  
(97% OF TOTAL IMPORT VALUE)

	<u>MANUFACTURERS</u>		<u>WHOLESALEERS</u>		<u>OTHER</u>		<u>TOTAL</u>	
	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>
Ontario	5	1 028	5	647	2		12	
Western Provinces	-	-	1	127*	1		2	1 805***
Québec	-	-	2		-	-	2	
Atlantic Provinces	-	-	-	-	-	-	-	-
<hr/> TOTAL	5	1 028	8	774	3	3	16	1 805
<hr/>								
Per cent of 1986 Total Value		55		42		0		97

\* Western Provinces and Québec aggregated to preserve confidentiality.

\*\* Ontario and Western Provinces aggregated to preserve confidentiality.

\*\*\* Ontario, Western Provinces and Québec aggregated to preserve confidentiality.

In 1986, there were at least 16 importers of hearing aid batteries. The 16 known importers accounted for \$1.8 million, or 97 per cent of total import value. Of these 16 importers, five were manufacturers accounting for \$1.0 million, or 55 per cent of the total import value, and eight were wholesalers accounting for \$774 000, or 42 per cent of Canadian imports.

PART C: HEARING AID BATTERIES, PRIMARY DRY CELL

IMPORTS BY MAJOR FOREIGN COUNTRY OF EXPORT AND PROVINCE OF CLEARANCE

<u>Foreign Country Of Export</u>	<u>1986</u>				
	<u>Canada</u>	<u>Qué.</u>	<u>Ont.</u>	<u>Man.</u>	<u>B.C.</u>
<b>UNITED STATES</b>					
Quantity ('000 No.)	5 793	337	5 362	*	94
Value (\$000)	1 732	92	1 619	*	20
<b>JAPAN</b>					
Quantity ('000 No.)	262	0	244	0	18
Value (\$000)	69	0	64	0	5
<b>UNITED KINGDOM</b>					
Quantity ('000 No.)	167	103	64	0	0
Value (\$000)	64	31	33	0	0
<b>FEDERAL REPUBLIC OF GERMANY</b>					
Quantity ('000 No.)	1	1	0	0	0
Value (\$000)	1	1	0	0	0
<hr/>					
<b>TOTAL</b>					
Quantity ('000 No.)	6 224	441	5 670	*	113
Value (\$000)	1 865	124	1 716	*	25

\* Less than 500 units or \$500

NOTE: Newfoundland, Nova Scotia, Prince Edward Island, New Brunswick, Saskatchewan and Alberta report no imports.



PART C: HEARING AID BATTERIES, PRIMARY DRY CELL

CANADIAN TARIFFS

Tariff Item	Description	% of Total Import Value (1986)	Tariff Treatment					
			British Prefer- ential Tariff %	Most Favoured Nation Tariff %	General Tariff %	General Prefer- ential Tariff %	U.K. and Ireland %	
48205-01	Articles or materials for use in the manufacture or repair of hearing aids and parts thereof as specified in tariff item 48200-01:							
	January 1, 1986	99	Free	Free	Free	Free	Free	

Tariff Arrangements and Foreign Countries of Export:

Exporting countries which qualify for the Most Favoured Nation tariff treatment: United States, Japan, Federal Republic of Germany

Exporting country which qualifies for the Most Favoured Nation tariff treatment or U.K. and Ireland tariff treatment: United Kingdom

ENQUIRIES CONCERNING TARIFFS SHOULD BE DIRECTED TO THE NEAREST CUSTOMS AND EXCISE OFFICE OR TO:

TARIFF PROGRAMS  
REVENUE CANADA  
CUSTOMS AND EXCISE  
OTTAWA, ONTARIO  
K1A 0L5  
TEL: (613) 954-6996

PART C: HEARING AID BATTERIES, PRIMARY DRY CELL

CANADIAN IMPORTERS

Importers of hearing aid dry cell batteries during 1986, as indicated in this report, are listed below in alphabetical order. This list includes all importers except individuals and a minimal number of importers whose names were not available.

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
A and A Canada Div. of Tandy Electronics Ltd.	Barrie, Ont.	International Simultaneous Translation Services Ltd.	Montréal, Qué.
Beltone Electronics of Canada Ltd.	Concord, Ont.	K-W Battery Supply Ltd.	Kitchener, Ont.
Duracell Inc.	Mississauga, Ont.	L E C Enterprises Ltd.	Vancouver, B.C.
Eveready Division Ralston Purina Inc.	Toronto, Ont.	Mitsui & Co. Canada Ltd.	Toronto, Ont.
GNB Batteries (Canada) Inc.	Fort Erie, Ont.	Rayovac Canada Inc.	Mississauga, Ont.
Genie Audio Inc.	Montréal, Qué.	Starkey Labs-Canada Ltd.	Mississauga, Ont.
Harrison-Nowell Mobile Radio Services Ltd.	Winnipeg, Man.	Union Carbide Canada Ltd.	Toronto, Ont.
		Zenatone Corporation	Toronto, Ont.



PART D

NICKEL-CADMIUM, SILVER-CADMIUM AND SILVER-ZINC  
BATTERIES, SECONDARY DRY CELL (108-88)



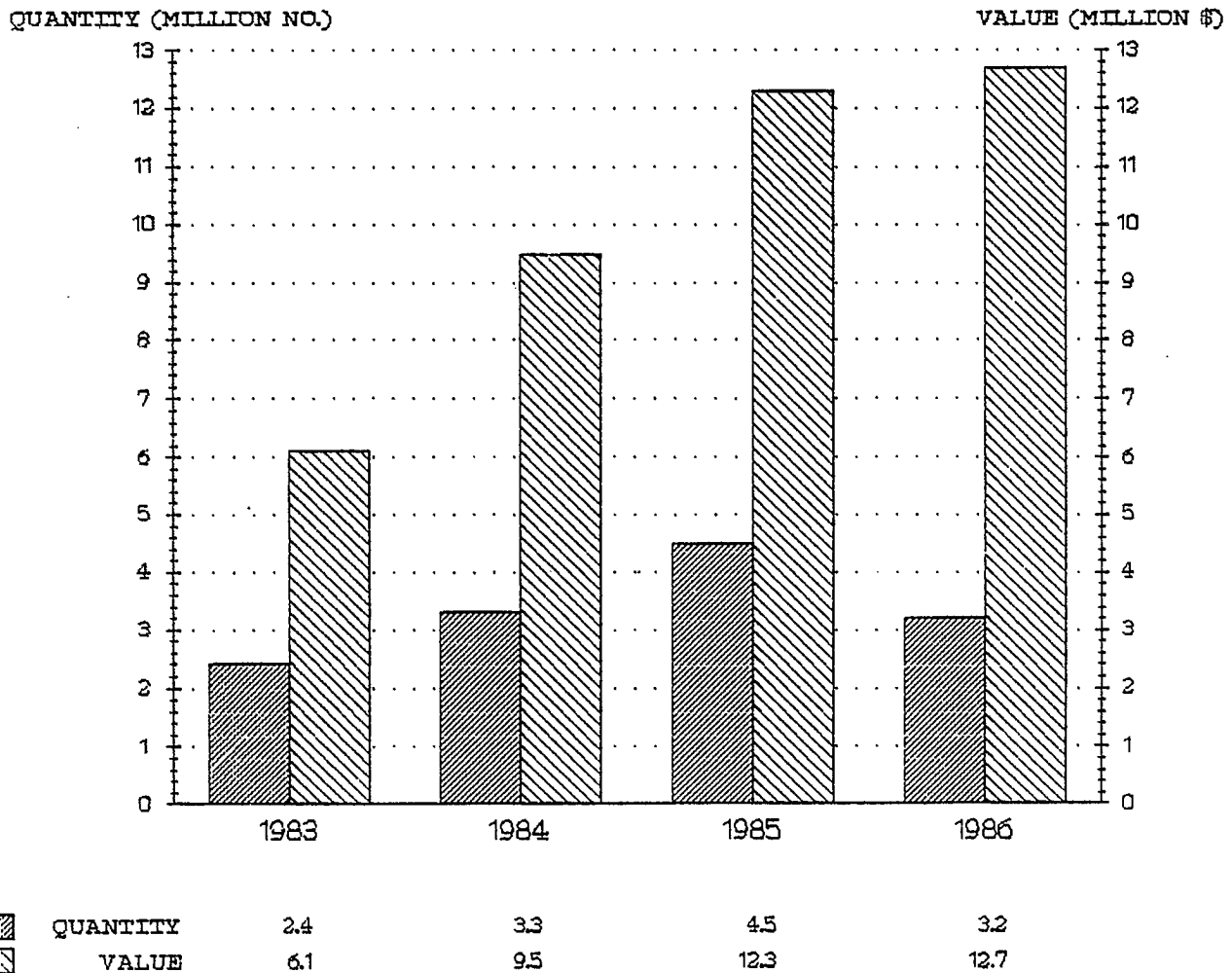
PART D: NICKEL-CADMIUM, SILVER-CADMIUM AND SILVER-ZINC BATTERIES, SECONDARY DRY CELL

SCOPE

This part of the report analyses imports of nickel-cadmium batteries, silver-cadmium batteries and silver-zinc batteries classified to the following three commodity codes of the Canadian International Trade Classification (C.I.T.C.).

<u>Code</u>	<u>Description</u>
693-27-40	Batteries, Nickel-Cadmium
693-27-50	Batteries, Silver-Cadmium
693-27-55	Batteries, Silver-Zinc

IMPORT TRENDS: OVERVIEW



Between 1983 and 1986 imports of secondary dry cell batteries increased at an average annual rate of 27 per cent in terms of value, rising from \$6.1 million in 1983, to \$12.7 million in 1986. In terms of quantity, imports peaked at 4.5 million units in 1985, falling to 3.2 million units in 1986.

PART D: NICKEL-CADMIUM, SILVER-CADMIUM AND SILVER-ZINC BATTERIES, SECONDARY DRY CELL

IMPORTS TO CANADA BY MAJOR FOREIGN COUNTRY OF EXPORT

<u>Foreign Country of Export</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>Unit</u>	<u>Average</u>	<u>Per Cent Change</u>
					<u>Price</u>	<u>Annual</u>	
					<u>1986</u>	<u>Rate</u>	<u>1985-1986</u>
					\$	%	
<b>UNITED STATES</b>							
Quantity (No.)	769 458	888 016	826 675	1 574 566		27	90
Value (\$000)	4 096	5 679	5 682	6 550	4.16	17	15
<b>JAPAN</b>							
Quantity (No.)	1 508 068	2 085 985	3 296 582	950 186		-14	-71
Value (\$000)	1 604	2 833	5 165	3 502	3.69	30	-32
<b>HONG KONG</b>							
Quantity (No.)	10 776	15 710	81 562	269 654		192	231
Value (\$000)	24	45	217	720	2.67	211	232
<b>REPUBLIC OF KOREA</b>							
Quantity (No.)	600	75	43 080	73 724		397	71
Value (\$000)	4	1	30	513	6.96	404	1 610
<b>FRANCE</b>							
Quantity (No.)	316	11	9 006	101 958		586	1 032
Value (\$000)	12	9	150	432	4.24	230	188
<b>OTHER</b>							
Quantity (No.)	102 157	277 438	284 401	191 417		23	-33
Value (\$000)	389	933	1 037	956	4.99	35	-8
<b>TOTAL</b>							
Quantity (No.)	2 391 375	3 267 235	4 541 306	3 161 505		10	-30
Value (\$000)	6 129	9 500	12 281	12 673		27	3
Unit Price (\$)	2.56	2.91	2.70	4.01			

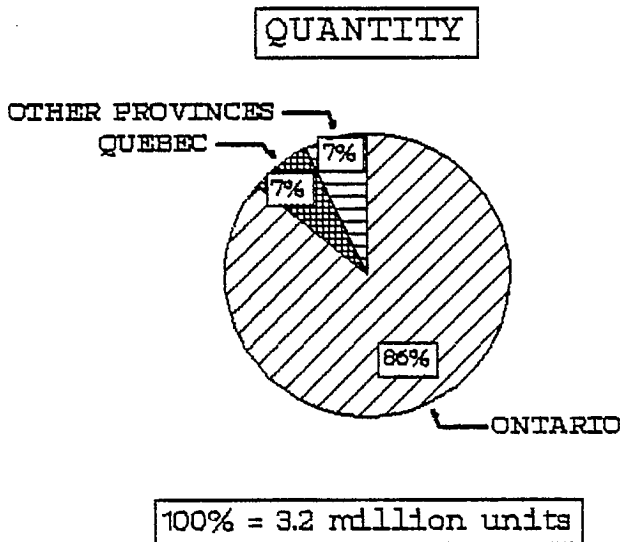
In terms of value, the United States was the principal exporter to Canada of secondary dry cell batteries between 1983 and 1986. It accounted for \$6.6 million, or 52 per cent of the total import value in 1986. In terms of quantity, however, Japan was the principal exporter to Canada between 1983 and 1985. Its import market share subsequently dropped to 950 000 units, or 30 per cent of the total in 1986, as the import market share of the U.S. rose to 1.6 million units, or 50 per cent of the total.

The average unit price of imports of secondary dry cell batteries was \$4.01 in 1986. Unit prices in 1986 ranged from \$2.67 per unit for imports from Hong Kong, to \$6.96 per unit for those from the Republic of Korea.

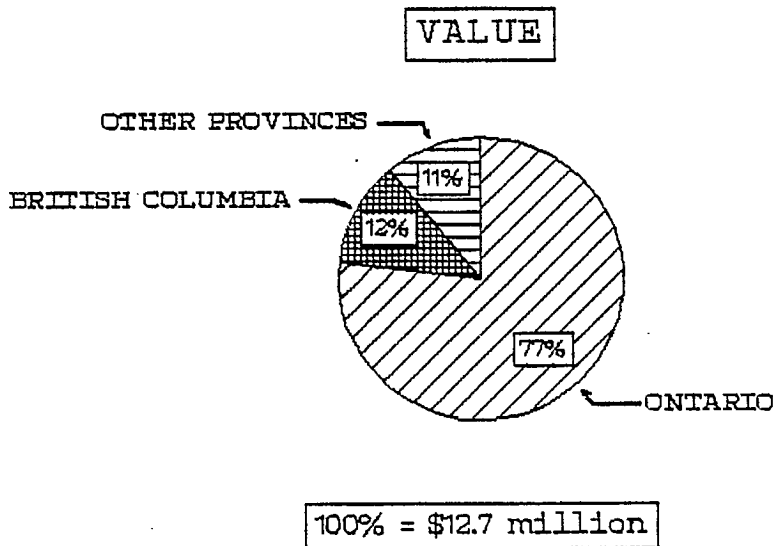
PART D: NICKEL-CADMIUM, SILVER-CADMIUM AND SILVER-ZINC BATTERIES, SECONDARY DRY CELL

IMPORTS BY PROVINCE OF CLEARANCE

1986



Ontario was the main province of entry for imports of secondary dry cell batteries into Canada. This province accounted for 2.7 million units or 86 per cent of total imports. The next ranking province of entry was Québec with 233 839 units or seven per cent of the total.



Ontario was the principal province of entry in terms of value with \$9.8 million or 77 per cent of the import total. British Columbia was second in rank with \$1.5 million or 12 per cent of the total.

NOTE: For more detailed data on imports by major foreign countries of export and provinces of clearance, see Appendix A, page 57.



PART D: NICKEL-CADMIUM, SILVER-CADMIUM AND SILVER-ZINC BATTERIES, SECONDARY DRY CELL

IMPORT MARKET CONCENTRATION - 1986

	<u>Top 5 Importers</u>	<u>Top 10 Importers</u>	<u>Top 15 Importers</u>	<u>All Importers</u>
Value (\$000)	5 124	7 528	8 976	12 598
Per cent of Total Value	40	59	71	100

The 10 major importers accounted for \$7.5 million or 59 per cent of the total imports of nickel-cadmium, silver-cadmium, and silver-zinc batteries. Five of these 10 top importers were manufacturers and five were wholesalers. All of the companies were located in Ontario.

NOTE: "Top importers" are the known importers with the largest imports by value in 1986.

TYPE AND LOCATION OF THE TOP 21 KNOWN IMPORTERS - 1986  
(79% OF TOTAL IMPORT VALUE)

	<u>MANUFACTURERS</u>		<u>WHOLESALEERS</u>		<u>TOTAL</u>	
	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>
Ontario	8	6 013*	9	3 406	17	
Québec	1		1	521**	2	9 940***
Western Provinces	-	-	2		2	
Atlantic Provinces	-	-	-	-	-	-
<b>TOTAL</b>	<b>9</b>	<b>6 013</b>	<b>12</b>	<b>3 927</b>	<b>21</b>	<b>9 940</b>
Per cent of 1986 Total Value		48		31		79

\* Ontario and Québec aggregated to preserve confidentiality.

\*\* Québec and Western Provinces aggregated to preserve confidentiality

\*\*\* Ontario, Québec and Western Provinces aggregated to preserve confidentiality

In 1986 there were at least 230 importers of nickel-cadmium, silver-cadmium and silver-zinc batteries. The top 21 importers accounted for \$9.9 million or 79 per cent of the import total. Nine of the top 21 importers were manufacturers whose imports totalled \$6.0 million or 48 per cent of the total. Five of these companies were manufacturers of electrical and electronic machinery whose imports totalled \$2.7 million or 21 per cent of the import total.

Twelve of the top 21 importers were wholesalers with imports representing \$3.9 million or 31 per cent of total imports.

PART D: NICKEL-CADMIUM, SILVER-CADMIUM AND SILVER-ZINC BATTERIES, SECONDARY DRY CELL

IMPORTS BY MAJOR FOREIGN COUNTRY OF EXPORT AND PROVINCE OF CLEARANCE

Foreign Country Of Export	1986										
	Canada	Nfld.	N.S.	P.E.I.	N.B.	Qué.	Ont.	Man.	Sask.	Alta.	B.C.
<b>UNITED STATES</b>											
Quantity (No.)	1 574 566	0	107	0	13	135 632	1 387 670	7 045	200	18 008	25 891
Value (\$000)	6 550	0	3	0	2	639	5 206	151	6	166	378
<b>JAPAN</b>											
Quantity (No.)	950 186	0	0	0	0	25 735	808 287	0	400	300	115 464
Value (\$000)	3 502	0	0	0	0	211	2 276	0	3	1	1 012
<b>HONG KONG</b>											
Quantity (No.)	269 654	0	0	0	0	250	259 700	0	0	0	9 704
Value (\$000)	720	0	0	0	0	1	669	0	0	0	50
<b>REPUBLIC OF KOREA</b>											
Quantity (No.)	73 724	0	0	0	0	55 000	18 724	0	0	0	0
Value (\$000)	513	0	0	0	0	43	470	0	0	0	0
<b>FRANCE</b>											
Quantity (No.)	102 763	0	0	0	0	0	102 763	0	0	0	0
Value (\$000)	432	0	0	0	0	0	432	0	0	0	0
<b>OTHER</b>											
Quantity (No.)	190 612	0	0	0	0	17 222	149 187	750	16	194	23 243
Value (\$000)	956	0	0	0	0	53	756	41	6	55	48
<b>TOTAL</b>											
Quantity (No.)	3 161 505	0	107	0	13	233 839	2 726 331	7 795	616	18 502	174 302
Value (\$000)	12 673	0	3	0	2	947	9 809	192	9	222	1 488

PART D: NICKEL-CADMIUM, SILVER-CADMIUM AND SILVER-ZINC BATTERIES, SECONDARY DRY CELL APPENDIX B

CANADIAN TARIFFS

Tariff Item	Description	% of Total Import Value (1986)	Tariff Treatment				U.K. and Ireland %
			British Prefer- ential Tariff %	Most Favoured Nation Tariff %	General Tariff %	General Prefer- ential Tariff %	
44512-01	Electric and galvanic batteries, n.o.p., and complete parts thereof, including separator walls of wood, cut to size or not:						
	January 1, 1986	90	11.7	11.7	27.5	7.5	11.7
	January 1, 1987		10.8	10.8	27.5	7.0	10.8

N.o.p. - Not otherwise provided for

Tariff Arrangements and Foreign Countries of Export:

Exporting countries which qualify for the Most Favoured Nation tariff treatment: United States, Japan, France

Exporting countries which qualify for the Most Favoured Nation tariff treatment or General System of Preference tariff treatment\*: Hong Kong, Republic of Korea

\* NOTE: In order to qualify for the General System of Preference, a special certificate of origin is required.

ENQUIRIES CONCERNING TARIFFS SHOULD BE DIRECTED TO THE NEAREST CUSTOMS AND EXCISE OFFICE OR TO:

TARIFF PROGRAMS  
REVENUE CANADA  
CUSTOMS AND EXCISE  
OTTAWA, ONTARIO  
K1A 0L5  
TEL: (613) 954-6996

PART D: NICKEL-CADMIUM, SILVER-CADMIUM AND SILVER-ZINC BATTERIES, SECONDARY DRY CELL

CANADIAN IMPORTERS

Importers of secondary dry cell batteries during 1986, as indicated in this report, are listed below in alphabetical order. This list includes all importers except individuals and a minimal number of importers whose names were not available. The numbers in brackets following the names of the importers indicate the specific types of batteries they are importing as follows: (1) nickel-cadmium; (2) silver-cadmium; and (3) silver-zinc.

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
A B C Cash Register Co. Ltd.(1)	Vancouver, B.C.	Canada Commercial Battery Limited(1)	Mississauga, Ont.
A C Simmonds & Sons Ltd.(1)	Pickering, Ont.	Canadian General Electric Co. Ltd.(1)	Toronto, Ont.
A M F Tuboscope Co.(1)	Vancouver, B.C.	Canadian Marconi Company Ltd.(1)	Montréal, Qué.
A T Distributors (Central) Ltd.(1)	Kitchener, Ont.	Canadian NDE Technology Ltd.(1)	Rexdale, Ont.
A and A Canada, Div. of Tandy Electronics Ltd.(1)	Barrie, Ont.	Canadian Survey Equipment Ltd.(1)	Burnaby, B.C.
ATC Manufacturing Limited(1)	Waterloo, Ont.	Canadian Western Natural Gas Company Ltd.(1)	Calgary, Alta.
Air Niagara (1978) Ltd.(1)	Mississauga, Ont.	Canamicro Distribution Inc.(1)	Montréal, Qué.
Akai Audio Video Canada Inc.(1)	Richmond, B.C.	Cancoppas Ltd.(1)	Oakville, Ont.
Allen Crawford Associates Ltd.(1)	Mississauga, Ont.	Canon Canada Inc.(1)	Mississauga, Ont.
Allwest Communications Ltd.(1)	Calgary, Alta.	Cantech Corporation(1)	Calgary, Alta.
Almicro Electronics Inc.(1)	Winnipeg, Man.	Cardon Communications Inc.(1)	Hamilton, Ont.
American Carbon Co. Ltd.(1)	West Vancouver, B.C.	Childrens Hospital(1)	Vancouver, B.C.
Ann Scotland Holdings Limited(1)	Toronto, Ont.	Chloride Canada Ltd.(1)	Mississauga, Ont.
Aritech Inc. (Canada)(1)	Mississauga, Ont.	Chrysler Canada Limited(1)	Windsor, Ont.
Armaco Electronics Ltd.(1)	Vancouver, B.C.	Colcom Communications Inc.(1)	St-Laurent, Qué.
Arri/Nagra Inc.(2)	Mississauga, Ont.	Computer Parts Galore Inc.(1)	Toronto, Ont.
Atlantic News C/O Norwood Enterprises Ltd.(1)	Halifax, N.S.	Computerland Canada Ltd. (1)	Mississauga, Ont.
Atlas Electronics Limited(1)	Toronto, Ont.	Conair Aviation Ltd.(1)	Abbotsford, B.C.
Audio Video Specialists Inc.(1)	Dorval, Qué.	Control Data Canada Ltd.(1)	Mississauga, Ont.
Audiovox Canada Ltd.(1)	Mississauga, Ont.	Crutcher Equipment (Canada) Ltd.(1)	Edmonton, Alta.
B C Stevens Company Ltd.(1)	Vancouver, B.C.	Data General (Canada) Limited(1)	Mississauga, Ont.
B W B Battery (Corp.) Ltd., O/A The Battery Shop(1)	Calgary, Alta.	De Havilland Aircraft of Canada Ltd.(1)	Downsview, Ont.
BC Telephone Co.(1)	Burnaby, B.C.	Detector Electronics Canada Ltd.(1)	Calgary, Alta.
Barry W. Ramer & Partners Ltd.(2)	Calgary, Alta.	Devine Lighting, Div. Kidde Canada Ltd.(1)	Montréal, Qué.
Berkey Photo Canada Limited(1)	Mississauga, Ont.	Diatech Imaging Inc.(1)	Nepean, Ont.
Berlet Electronics Limited(1)	Mississauga, Ont.	Digiray Inc.(1)	Rexdale, Ont.
Biomedical Engineering Shared Service Inc.(1)	Toronto, Ont.	Dollard Electronics Ltd.(1)	Vancouver, B.C.
Black & Decker Canada Inc.(1)	Brockville, Ont.	Duracell Inc.(1)	Mississauga, Ont.
Borgfeldt Toys Canada Ltd.(1)	Scarborough, Ont.	Eastcom Industries Limited(1)	Weston, Ont.
Braun Canada Ltd.(1)	Mississauga, Ont.		
C & D Meter Reading Services Limited(2)	Mississauga, Ont.		

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Edwards, A Unit of General Signals Limited(1)	Owen Sound, Ont.	Jabro Batteries (Alta) Ltd.(1)	Calgary, Alta.
EEV Canada Ltd.(1)	Rexdale, Ont.	Jatom Systems Inc.(1)	Ottawa, Ont.
El Equip. Inc.(1)	Elliot Lake, Ont.	Kaycom Inc.(1)	St-Pierre, Qué.
Eland Distributors Ltd.(1)	Burnaby, B.C.	Keuffel & Esser Canada Inc.(1)	Parsippany, NJ, USA*
Eli Lilly Canada Inc.(1)	Scarborough, Ont.	Kidd Creek Mines Ltd.(1)	Timmins, Ont.
Elmo Canada Mfg. Corp.(1)	Bramalea, Ont.	Kilpatrick Investments Ltd., O/A Kilpatrick Communications & Co.(1)	Weston, Ont.
Excell Battery Corp.(1)	Surrey, B.C.	Kodak Canada Inc.(1)(2)	Toronto, Ont.
Falconbridge Nickel Mines Ltd.(1)	Falconbridge, Ont.	Landmark Feeds Inc.(2)	Landmark, Man.
Fischer Medical Systems Corporation(1)	Langley, B.C.	Laniel Automatic Machines Inc.(1)	Montréal, Qué.
Future Electronics Inc.(1)	Pointe-Claire, Qué.	Lanier Business Products Canada Inc.(1)	Don Mills, Ont.
G A Sibley Co., D/O Gaunt Enterprises Ltd.(1)	West Hill, Ont.	Lee Instrument & Supply Co. Ltd.(1)	Calgary, Alta.
General Electric Medical Systems Limited(1)	Milwaukee, WI, USA*	Leeds & Northrup Canada, Div. General Signal Limited(1)	Rexdale, Ont.
General Films, Division Tozer Kemsley & Millbourn Canada Ltd.(1)	Scarborough, Ont.	Lenbrook Industries Limited(1)	Pickering, Ont.
Gilbarco Canada Ltd.(1)	Brockville, Ont.	Levitt Safety Eastern Ltd.(1)	Toronto, Ont.
Glenwood Trading Co. Ltd.(1)	North Vancouver, B.C.	Lifton Ltd.(1)	Malton, Ont.
Global Teletronics Ltd.(1)	North Vancouver, B.C.	Locksmiths & Safemen Security Hardware Limited(1)	Brampton, Ont.
Grid Systems Canada Inc.(1)	Toronto, Ont.	Loram Maintenance of Way Ltd.(1)	Hamel, MI, USA*
Grobet File Company of Canada Ltd.(1)	Scarborough, Ont.	Lumacell Inc.(1)	Scarborough, Ont.
H & W Perrin Company Ltd.(2)	Toronto, Ont.	M Herman Co. (1974) Inc.(1)	Montréal, Qué.
Hardcraft Industries Ltd.(1)	Markham, Ont.	M T I Canada Ltd.(1)	Mississauga, Ont.
Harris Systems Ltd.(1)	Don Mills, Ont.	Macs II Agencies Ltd.(1)	Coquitlam, B.C.
Harris-Bass Electronics Ltd.(1)	Toronto, Ont.	Makita Power Tools Canada Ltd.(1)	Whitby, Ont.
Harrison-Nowell Mobile Radio Services Ltd.(1)	Winnipeg, Man.	Matrix Scale Systems Inc.(1)	Mississauga, Ont.
Heath Company, Div. of Zenith Radio Canada Limited(1)	Toronto, Ont.	Matsushita Electric of Canada Limited(1)(2)	Mississauga, Ont.
Heine Instruments Canada Ltd.(1)	Kitchener, Ont.	Medical Innovations Ltd.(3)	Etobicoke, Ont.
High-Line Aviation Ltd.(1)	Mississauga, Ont.	Medtronic of Canada Ltd.(1)	Mississauga, Ont.
Hobbieville Inc.(1)	St-Laurent, Qué.	Minelec Limited(1)	Mississauga, Ont.
Hobbycraft Canada, Div. of Canadian Hobbycraft Ltd.(1)	Rexdale, Ont.	Minolta Canada Inc.(1)	Mississauga, Ont.
Hofstetter Business Products Ltd.(1)	Rexdale, Ont.	Mission Hill Vineyards, A Div. of the Mark Anthony Group Inc.(1)	Vancouver, B.C.
Homelite Terry, Division of Textron Canada Ltd.(1)	Pointe-Claire, Qué.	Mitsubishi Canada Ltd.(1)	Toronto, Ont.
Hyster Canada Ltd.(1)	Malton, Ont.	Mitsubishi Electric Sales(1)	Waterloo, Ont.
IMS Electronics Inc.(1)	Vancouver, B.C.	Mobex-Irwin Company(1)	Toronto, Ont.
Innomed Imaging Ltd.(1)	Edmonton, Alta.	Mobile Data International Inc.(1)	Richmond, B.C.
Intermec Systems Corporation(1)	Mississauga, Ont.	Modified Rectifier Corp.(1)	Toronto, Ont.
Irwin Toy Limited(1)	Toronto, Ont.	Montreuil Electro Inc.(1)	St-Laurent, Qué.
J V C Canada Inc.(1)	Scarborough, Ont.	Motorola Canada Limited(1)	North York, Ont.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
N D T Technologies Inc.(1)	St-Laurent, Qué.	Radio Shack, A Div. of Tandy Electronics Ltd.(1)	Barrie, Ont.
N-Dex Instrument Ltd.(1)	Pierrefonds, Qué.	Ram Industries Ltd.(1)	Yorkton, Sask.
NTN Bearing Mfg. Canada, a Div. of NTN Bearing Corp. of Can. Ltd.(1)	Mississauga, Ont.	Remex Canada Limited(1)	Markham, Ont.
National Mine Service (Canada) Ltd.(1)	Indiana, PA, USA*	Repco Radio Limited(1)	Pickering, Ont.
National Semiconductor Canada Limited(1)	Rexdale, Ont.	Reuter Stokes Canada Ltd.(1)	Galt, Ont.
National Typewriter & Office Equipment Ltd.(1)	Winnipeg, Man.	Robertshaw Controls Canada Inc.(1)	Toronto, Ont.
Nikon Canada Inc.(1)	Mississauga, Ont.	Rod Ends Mechanical Ltd.(1)	Mississauga, Ont.
Nortech Control Equipment Inc.(1)	Etobicoke, Ont.	Romatec-R M L, Division of Robert Muddiman Limited(1)	Willowdale, Ont.
North West Industries C/O Moran Enterprises Ltd.(1)	Vancouver, B.C.	Roses Scale (Belleville) Ltd.(1)	Belleville, Ont.
Northern Telecom Canada Limited(1)	Islington, Ont.	STD Electric Industries Ltd.(1)	Scarborough, Ont.
O E M Battery Systems Ltd.(1)	Surrey, B.C.	Safety Supply Canada Ltd.(1)	Richmond Hill, Ont.
Optex Corporation(1)	Don Mills, Ont.	Soft Batteries Ltd.(1)(2)	Scarborough, Ont.
Otto Bock Orthopedic Industry of Canada Ltd.(1)	Winnipeg, Man.	Sanyo Canada Inc.(1)	Toronto, Ont.
Overseas Monitor Corporation Ltd.(1)	Vancouver, B.C.	Sharp Electronics of Canada Ltd.(1)	Mississauga, Ont.
P E A C Media Research Inc.(1)	Don Mills, Ont.	Shirlt Enterprises Ltd.(1)	Ottawa, Ont.
P F Vermeer Ltd.(1)	Richmond Hill, Ont.	Siemens Electric Limited(1)	Mississauga, Ont.
P H Friesen Ltd.(1)	Winnipeg, Man.	Silvacom Ltd.(1)	Edmonton, Alta.
P M Hansen Ltd.(1)	Richmond, B.C.	Simpsons-Sears Ltd.(1)	Toronto, Ont.
Page and Wilson Limited(3)	Vancouver, B.C.	Société Distribution Alartech Inc.(1)	St-Laurent, Qué.
Pentax Canada Inc.(1)	Vancouver, B.C.	Sola Canada, O/B General Signal Limited(1)	Toronto, Ont.
Philips Electronics Ltd.(1)	Scarborough, Ont.	Sona Imports & Exports Inc.(3)	Toronto, Ont.
Photo-Movie Supply & Equipment Ltd.(1)	Calgary, Alta.	Sony of Canada Ltd.(1)	Willowdale, Ont.
Picker International Canada Inc.(1)	Bramalea, Ont.	Southeastern Commonwealth Drilling Ltd.(1)	Halifax, N.S.
Prairie Medical Ltd.(1)	Edmonton, Alta.	Speedex Mfg., a Division of Magna Int'l. (Canada) Inc.(1)	Concord, Ont.
Princess Auto & Machinery Ltd.(1)	Winnipeg, Man.	Spilsbury Communications Ltd.(1)	Vancouver, B.C.
Procam Photo Products (Canada) Inc.(1)	Toronto, Ont.	Standard Aero Limited(1)	Winnipeg, Man.
Produits de Sécurité ABC Inc.(1)	St-Laurent, Qué.	Stored Energy Batteries & Systems Inc.(1)	Mississauga, Ont.
Puritan-Bennett Canada Ltd.(1)	Oerland Park, KS, USA*	Sur-Gard Systèmes de Sécurité Ltée(1)	Mont-Royal, Qué.
R & B Fishing Co. Ltd.(1)	Vancouver, B.C.	T C E Canada, Div. of Tandy Electronics Ltd.(1)	Barrie, Ont.
R A E Industrial Electronics Ltd.(1)	Burnaby, B.C.	Taltek Electronics Ltd.(1)	Montréal, Qué.
Racal (Canada) Limited(1)	Ottawa, Ont.	Technical Marketing Associates Limited(1)	Mississauga, Ont.
		Teklogix Inc.(1)	Mississauga, Ont.
		Tektronix Canada Inc.(1)	Barrie, Ont.
		Tesco Trading Co. Ltd.(1)	Richmond, B.C.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
The Alexander Battery Corporation(1)	Ottawa, Ont.	Varta Batteries Ltd.(1)	Willowdale, Ont.
The Partners Film Company(1)	Toronto, Ont.	W E S Electronics Ltd.(1)	Winnipeg, Man.
Thermo-Kinetics Co. Ltd.(1)	Rexdale, Ont.	W P M Distr. Canada Inc.(1)	Burnaby, B.C.
Tie Communications Canada Limited(1)	Markham, Ont.	Welch Allyn Canada Limited(1)	Mississauga, Ont.
Tokyo Electric Canada Limited(1)	Rexdale, Ont.	West Can Electronics Ltd.(1)	Calgary, Alta.
Tomy Canada Inc.(1)	Concord, Ont.	Westcan Two-Way Radio Ltd.(1)	Edmonton, Alta.
Travenol Canada Inc.(1)	Mississauga, Ont.	Western Rawhide & Harness Manufacturing Co. Ltd.(1)	Winnipeg, Man.
Trio-Kenwood Canada Inc.(1)	Mississauga, Ont.	Wild Leitz Canada Limited(1)	Willowdale, Ont.
Union Carbide Canada Ltd.(1)(2)	Toronto, Ont.	Xerox Canada Inc.(1)	Don Mills, Ont.
Van Dusen Aircraft Supplies Ltd.(1)	Winnipeg, Man.	Yashica Canada Inc.(1)	Mississauga, Ont.
		Zak Electronics Enterprises Limited(1)	Scarborough, Ont.

\* Non-resident importer

PART E

DRY CELL BATTERIES, NOT ELSEWHERE SPECIFIED (109-88)





PART E: DRY CELL BATTERIES, NOT ELSEWHERE SPECIFIED

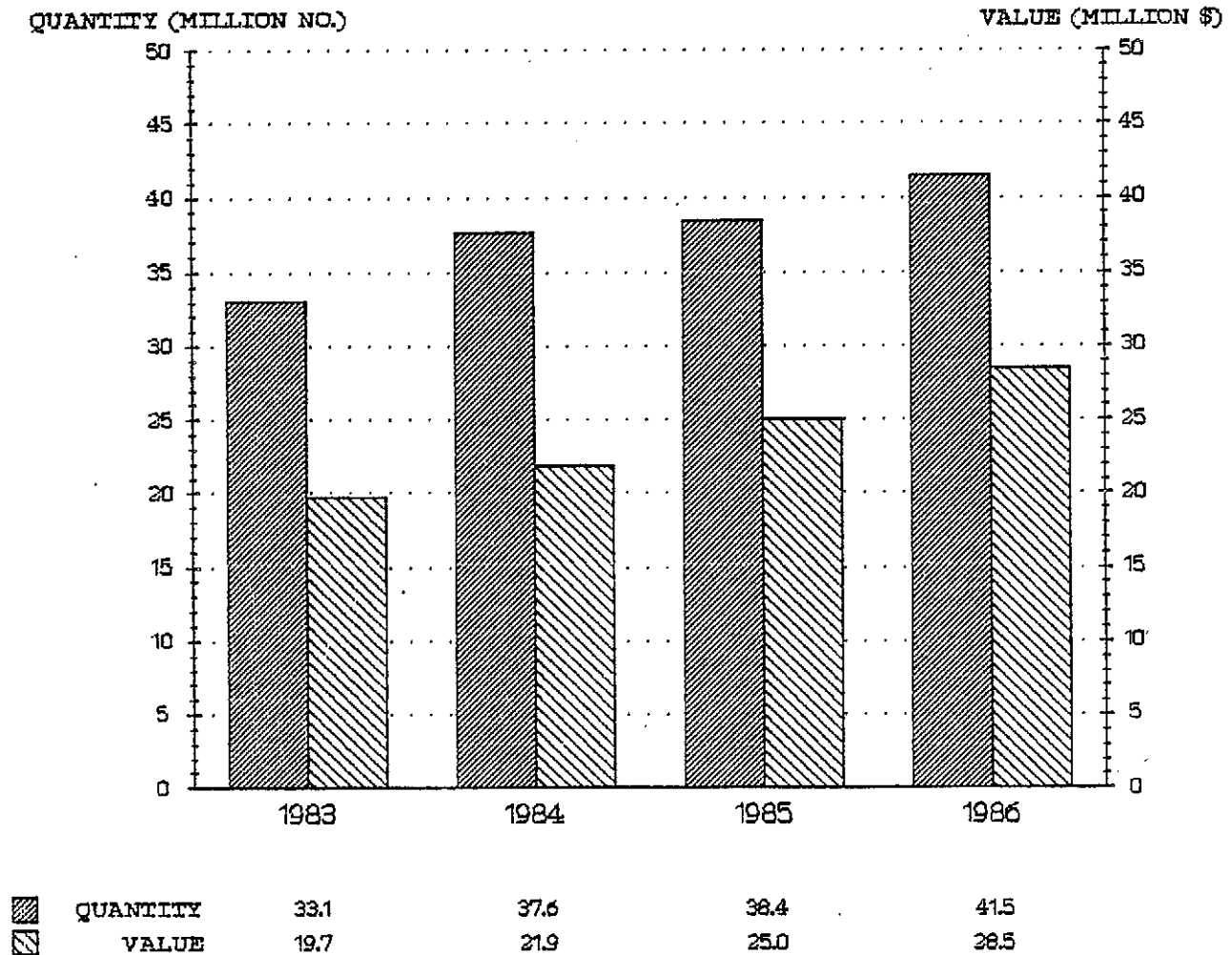
SCOPE

This part of the report analyses imports of dry cell batteries, not elsewhere specified (NES), classified to the following import commodity code of the Canadian International Trade Classification (C.I.T.C.):

<u>Code</u>	<u>Description</u>
693-59-90	Dry Cell Batteries, Not Elsewhere Specified
	e.g. - Accumulators/Batteries, Parts of, Not Elsewhere Specified
	- Batteries, Storage, Parts of, Not Elsewhere Specified
	- Batteries, Mercury, Except Hearing Aid Type
	- Batteries, Silver-Oxide, Except Hearing Aid Type
	- Batteries, Zinc-Carbon, Not Elsewhere Specified

PART E: DRY CELL BATTERIES, NOT ELSEWHERE SPECIFIED

IMPORT TRENDS: OVERVIEW



Imports of dry cell batteries, not elsewhere specified, grew from a total of \$19.7 million in 1983, to \$28.5 million in 1986, an average annual rate of increase of 13 per cent. In terms of quantity, imports increased at an average annual rate of eight per cent during the four-year period, reaching a total of 41.5 million units in 1986.

PART E: DRY CELL BATTERIES, NOT ELSEWHERE SPECIFIED

IMPORTS TO CANADA BY MAJOR FOREIGN COUNTRY OF EXPORT

<u>Foreign Country of Export</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>Unit Price 1986</u> \$	<u>Average Annual Growth Rate 1983-1986</u> %	<u>Per Cent Change 1985-1986</u>
<b>UNITED STATES</b>							
Quantity ('000 No.)	9 124	8 261	10 551	18 151		26	72
Value (\$000)	11 998	11 014	12 438	16 417	0.90	11	32
<b>JAPAN</b>							
Quantity ('000 No.)	11 557	16 583	12 538	10 851		-2	-13
Value (\$000)	2 519	4 034	3 770	3 684	0.34	14	-2
<b>MEXICO</b>							
Quantity ('000 No.)	416	530	732	983		33	34
Value (\$000)	1 413	2 076	2 494	3 398	3.46	34	36
<b>FEDERAL REPUBLIC OF GERMANY</b>							
Quantity ('000 No.)	1 035	604	3 227	160		-46	-95
Value (\$000)	553	720	2 092	1 237	7.74	31	-41
<b>HONG KONG</b>							
Quantity ('000 No.)	2 994	4 263	2 987	3 146		2	5
Value (\$000)	509	886	698	982	0.31	24	41
<b>OTHER</b>							
Quantity ('000 No.)	7 991	7 311	8 372	8 223		1	-2
Value (\$000)	2 755	3 212	3 493	2 765	0.34	0	-21
<b>TOTAL</b>							
Quantity ('000 No.)	33 118	37 552	38 408	41 513		8	8
Value (\$000)	19 747	21 942	24 985	28 483		13	14
Unit Price (\$ 0.60	0.58	0.65	0.69				

Between 1983 and 1986, the United States was the major exporter to Canada of dry cell batteries, not elsewhere specified, accounting for at least 50 per cent and up to 61 per cent of the total value of imports during each of the four years. Imports from this country totalled \$16.4 million in 1986, or 58 per cent of the total. Japan was the second ranking exporter to Canada with \$3.7 million, or 13 per cent of the Canadian import market in 1986. However, during the first three years of the four-year study period, this country was the leading exporter in terms of quantity. During the four-year period, Mexico was the third most important country of export to Canada. Its import market share, in terms of value, grew from seven per cent in 1983, to 12 per cent in 1986.

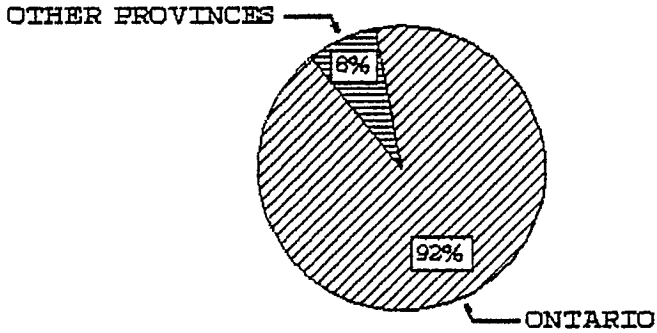
The average unit price of imports of dry cell batteries, not elsewhere specified, was 69 cents in 1986. Unit prices varied considerably, however, between the various countries of export. The fluctuation was due to the large variety of products in the group.

PART E: DRY CELL BATTERIES, NOT ELSEWHERE SPECIFIED

IMPORTS BY PROVINCE OF CLEARANCE

1986

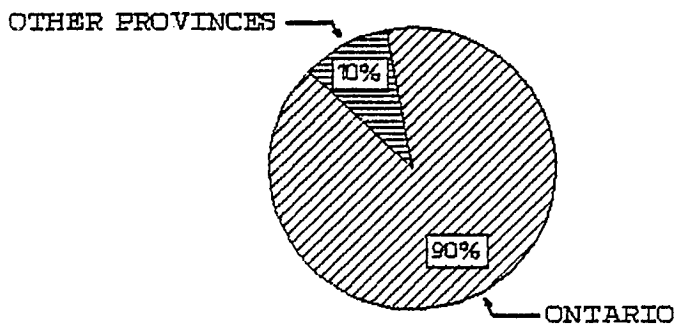
QUANTITY



100% = 41.5 million units

In 1986, Ontario was the principal province of clearance for imports of dry cell batteries, not elsewhere specified, accounting for 38.1 million units or 92 per cent of total imports. Québec was the second ranking province of entry with 2.1 million units, or five per cent of the total, followed by British Columbia with 927 000 units, or two per cent of the total.

VALUE



100% = \$28.5 million

In terms of value, Ontario was the leading province of entry, accounting for \$25.5 million, or 90 per cent of the import total. Québec was next with \$1.5 million, or five per cent of the total, followed by British Columbia with \$978 000, or three per cent.

NOTE: For more detailed data on imports by major foreign countries of export and provinces of clearance, see Appendix A, page 70.

PART E: DRY CELL BATTERIES, NOT ELSEWHERE SPECIFIED

IMPORT MARKET CONCENTRATION - 1986

	<u>Top 5 Importers</u>	<u>Top 10 Importers</u>	<u>Top 28 Importers</u>	<u>All Importers</u>
Value (\$000)	14 099	18 266	22 015	28 483
Per cent of Total Value	50	64	77	100

The 10 major importers accounted for \$18.3 million, or 64 per cent of the total imports of dry cell batteries, not elsewhere specified. Seven of these companies were manufacturers, and three were wholesalers. All of the companies were located in Ontario.

NOTE: "Top importers" are the known importers with the largest imports by value in 1986.

TYPE AND LOCATION OF THE TOP 28 KNOWN IMPORTERS - 1986  
(77% OF TOTAL IMPORT VALUE)

	<u>MANUFACTURERS</u>		<u>WHOLESALEERS</u>		<u>TOTAL</u>	
	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>
Ontario	14	16 358	8	4 626	22	20 984
Québec	2	514*	3	517	5	1 031*
Atlantic Provinces	1	-	-	-	1	-
Western Provinces	-	-	-	-	-	-
<b>TOTAL</b>	<b>17</b>	<b>16 872</b>	<b>11</b>	<b>5 143</b>	<b>28</b>	<b>22 015</b>

Per cent of 1986 Total Value	59	18	77
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\* Québec and Atlantic Provinces aggregated to preserve confidentiality.

In 1986, there were at least 638 importers of dry cell batteries, not elsewhere specified. The top 28 importers accounted for \$22.0 million, or 77 per cent of the total import value. Seventeen of these 28 importers were manufacturers whose imports totalled \$16.9 million, or 59 per cent of the total. Eight of these manufacturers were producers of electrical and electronic machinery whose imports totalled \$8.0 million, or 28 per cent of the import total, and four were manufacturers of non-electrical machinery with imports totalling \$4.9 million, or 17 per cent of the total.

Eleven of the top 28 importers were wholesalers whose imports accounted for \$5.1 million, or 18 per cent of total imports.

PART E: DRY CELL BATTERIES, NOT ELSEWHERE SPECIFIED

IMPORTS BY MAJOR FOREIGN COUNTRY OF EXPORT AND PROVINCE OF CLEARANCE

Foreign Country Of Export	1986									
	Canada	Nfld.	N.S.	N.B.	Qué.	Ont.	Man.	Sask.	Alta.	B.C.
<b>UNITED STATES</b>										
Quantity ('000 No.)	18 151	3	2	*	373	17 466	9	25	72	202
Value (\$000)	16 417	6	57	9	1 078	14 380	100	47	184	556
<b>JAPAN</b>										
Quantity ('000 No.)	10 851	0	0	0	571	10 035	0	0	*	245
Value (\$000)	3 684	0	0	0	275	3 100	0	0	1	309
<b>MEXICO</b>										
Quantity ('000 No.)	983	0	0	0	*	983	0	0	0	0
Value (\$000)	3 398	0	0	0	2	3 395	0	0	0	0
<b>FEDERAL REPUBLIC OF GERMANY</b>										
Quantity ('000 No.)	160	0	*	0	*	159	*	0	0	*
Value (\$000)	1 237	0	1	0	*	1 233	1	0	0	1
<b>HONG KONG</b>										
Quantity ('000 No.)	3 146	0	0	0	271	2 553	175	*	26	121
Value (\$000)	982	0	0	0	29	903	34	*	5	11
<b>OTHER</b>										
Quantity ('000 No.)	8 222	*	*	0	856	6 941	0	0	66	359
Value (\$000)	2 765	2	6	0	113	2 520	0	0	22	101
<b>TOTAL</b>										
Quantity ('000 No.)	41 513	3	2	*	2 071	38 137	184	25	164	927
Value (\$000)	28 483	8	64	9	1 497	25 530	136	47	212	978

\* Less than 500 units or \$500.

NOTE: Prince Edward Island reported no imports.

PART E: DRY CELL BATTERIES, NOT ELSEWHERE SPECIFIED

CANADIAN TARIFFS

Tariff Item	Description	% of Total Import Value (1986)	Tariff Treatment					
			British Prefer- ential Tariff %	Most Favoured Nation Tariff %	General Tariff %	General Prefer- ential Tariff %	U.K. and Ireland %	
44512-01	Electric and galvanic batteries, n.o.p., and complete parts thereof, including separator walls of wood, cut to size or not:							
	January 1, 1986	97	11.7	11.7	27.5	7.5	11.7	
	January 1, 1987		10.8	10.8	27.5	7.0	10.8	

N.o.p. - Not otherwise provided for

Tariff Arrangements and Foreign Countries of Export:

Exporting countries which qualify for the Most Favoured Nation tariff treatment: United States, Japan, Federal Republic of Germany

Exporting countries which qualify for the Most Favoured Nation tariff treatment or General System of Preference tariff treatment\*: Mexico, Hong Kong

\*NOTE: In order to qualify for the General System of Preference, a special certificate of origin is required.

ENQUIRIES CONCERNING TARIFFS SHOULD BE DIRECTED TO THE NEAREST CUSTOMS AND EXCISE OFFICE OR TO:

TARIFF PROGRAMS  
REVENUE CANADA  
CUSTOMS AND EXCISE  
OTTAWA, ONTARIO  
K1A 0L5  
TEL: (613) 954-6996



PART E: DRY CELL BATTERIES, NOT ELSEWHERE SPECIFIED

CANADIAN IMPORTERS

Importers of dry cell batteries, not elsewhere specified during 1986, as indicated in this report, are listed below in alphabetical order. This list includes all importers except individuals and a minimal number of importers whose names were not available.

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
116844 Canada Limited	Downsview, Ont.	Aritech Inc. (Canada)	Mississauga, Ont.
3M Canada Inc.	London, Ont.	Arri/Nagra Inc.	Mississauga, Ont.
415563 Ontario Ltd., A Division of Tradek	Weston, Ont.	Art Elgis Enterprises Limited	Islington, Ont.
A C Simmonds & Sons Ltd.	Pickering, Ont.	Artia Import (1979) Co. Ltd.	Weston, Ont.
A E L Microtel Ltd.	Vancouver, B.C.	Asicana Trading Co. Ltd.	Vancouver, B.C.
A and A Canada, Div. of Tandy Electronics Ltd.	Barrie, Ont.	Atelco Inc.	Scarborough, Ont.
ABC Fire & Safety Equipment Ltd.	Winnipeg, Man.	B & B Trailer Supplies Ltd.	London, Ont.
ADT Security Systems, C/O Dominion Electric Co.	Willowdale, Ont.	B C Medical Equipment Ltd.	Vancouver, B.C.
ASA Leasing, Div. of ASA Corporation Ltd.	Don Mills, Ont.	B D D Power Corp.	Downsview, Ont.
AT & T Canada Inc.	Willowdale, Ont.	B F Goodrich Canada Ltd.	Kitchener, Ont.
Abercorn Aero (1974) Limited	Dollard-des-Ormeaux, Qué.	BC Telephone Co.	Burnaby, B.C.
Academy Security Systems, C/O Supreme Locksmith Ltd.	Scarborough, Ont.	Backman Auto & Bicycle Accessory Company	Montréal, Qué.
Acadia Supply Co. Limited	Dartmouth, N.S.	Baknor Industries Ltd.	Mississauga, Ont.
Accessory Concepts Inc.	Montréal, Qué.	Banco Canada Inc.	St-Laurent, Qué.
Accu-Systems Ltd.	Markham, Ont.	Barber Colman of Canada Ltd.	Woodbridge, Ont.
Active Surplus Machinery Ltd.	Toronto, Ont.	Baroid of Canada Ltd.	Calgary, Alta.
Addisons TV Parts Ltd.	Montréal, Qué.	Batronics Inc.	Maple, Ont.
Agema Infrared Systems Ltd.	Burlington, Ont.	Beaufort Air-Sea Equipment Canada Ltd.	Vancouver, B.C.
Air Canada Inc.	Winnipeg, Man.	Becker Electronics Inc.	Hackensack, NJ, USA*
Air Dynamics Co. Ltd.	Beaconsfield, Qué.	Beckman Instruments Inc.	Mississauga, Ont.
Alberta Honey Producers Cooperative Ltd.	Edmonton, Alta.	Bell & Howell Ltd.	Weston, Ont.
Alexander Tools Limited	Brantford, Ont.	Bently Nevada Canada Ltd.	Nisku, Alta.
All Pharma Research Ltd.	Vancouver, B.C.	Berlet Electronics Limited	Mississauga, Ont.
Alpha Technologies Ltd.	Burnaby, B.C.	Bernard Marks & Company Ltd.	Toronto, Ont.
Aluminum Company of Canada Ltd.	Kingston, Ont.	Black & Decker Canada Inc.	Brockville, Ont.
Amador Hydraulic Services Limited	Brampton, Ont.	Black Photo Corporation	Markham, Ont.
American Hospital Supply Canada Inc.	Mississauga, Ont.	Bomag Canada, A Unit of Amca International Limited	Mississauga, Ont.
Ampex Canada Inc.	Mississauga, Ont.	Bombardier Ltée	Valcourt, Qué.
Andora Distributors	Richmond, B.C.	Boreal Laboratories Ltd.	Mississauga, Ont.
Animal Health Supplies Ltd.	Regina, Sask.	Borgfeldt Toys Canada Ltd.	Scarborough, Ont.
Applied Electronics Ltd.	Toronto, Ont.	Bow Valley Offshore Drilling Ltd.	Halifax, N.S.
Applied Technology Ventures Canada Ltd.	Scarborough, Ont.	Boyes & Rosser Ltd.	Richmond, B.C.
		Boyes Sehmer Ltd.	Victoria, B.C.
		Bracewell Balance & Instrument Services Ltd.	Delta, B.C.
		Brault Bouthiller Ltée	Montréal, Qué.
		Braun Canada Ltd.	Mississauga, Ont.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Bristol Aerospace Ltd.	Winnipeg, Man.	Carleton Cycle & Outdoor Recreations Ltd.	Vancouver, B.C.
Budd Canada Inc.	Kitchener, Ont.	Case Communications Ltd.	Willowdale, Ont.
Budgetron Inc. (6247323)	Mississauga, Ont.	Cellar Dweller Hobby Supply Ltd.	Winnipeg, Man.
Bugaboo Helicopter Skiing Ltd.	Banff, Alta.	Centre M.S.P. Reg'd	Montréal, Qué.
Bulova Watch Company Ltd.	Toronto, Ont.	Chateau Stores of Canada Ltd.	Mount-Royal, Qué.
Burlington Northern Inc.	Vancouver, B.C.	Chloride Canada Ltd.	Mississauga, Ont.
Burns International Security Ltd.	Toronto, Ont.	Cigentec Inc.	Dorval, Qué.
Bytec Comterm Inc.	Pointe-Claire, Qué.	Cinequip Inc.	Toronto, Ont.
C & D Batteries of Canada	Montréal, Qué.	Circle Sales & Import Ltd.	Montréal, Qué.
C D M V Inc.	St-Hyacinthe, Qué.	Citech Quartz Corporation	Markham, Ont.
C D Nova Ltd.	Burnaby, B.C.	Colcom Communications Inc.	St-Laurent, Qué.
C D S Inc.	Pointe-Claire, Qué.	Collins Safety Inc.	Kitchener, Ont.
C I L Inc.	Willowdale, Ont.	Comad Communications Ltd.	Mississauga, Ont.
C M X Corp.	Brampton, Ont.	Comeau Technique Ltée	St-Laurent, Qué.
C T S of Canada Ltd.	Streetsville, Ont.	Cominco Ltd.	Trail, B.C.
CS Import 146640 Canada Inc.	Lac-Etchemin, Qué.	Communications Technology (Canada) Limited	Rexdale, Ont.
Cabletel Communications Inc. (1986)	Markham, Ont.	Computalog Gearhart Ltd.	Calgary, Alta.
Cadillac Plastic, Div. of Day Co. Canada Ltd.	Rexdale, Ont.	Consec Security Systems Ltd.	Downsview, Ont.
Calico Projects Ltd.	Langley, B.C.	Consolidated Equipment & Supply Company Ltd.	Vancouver, B.C.
Camera Photo Acc. CPP Inc.	Montréal, Qué.	Consolidated-Bathurst Inc.	Montréal, Qué.
Compagnie Simpsonlock Inc.	Lachine, Qué.	Continent - Wide Enterprises Ltd.	Toronto, Ont.
Can-Am Instruments Ltd.	Mississauga, Ont.	Contronic Inc.	Mississauga, Ont.
Can-Con Gas Services Ltd.	Edmonton, Alta.	Copel Inc.	Montréal, Qué.
Canada Commercial Battery Limited	Mississauga, Ont.	Corrosion Service Co. Ltd.	Downsview, Ont.
Canadair Ltd.	St-Laurent, Qué.	Cougar Electronics Ltd.	Vancouver, B.C.
Canadian Amusement Game Supplies Ltd.	Burnaby, B.C.	Crestline Coach Ltd.	Saskatoon, Sask.
Canadian General Electric Co. Ltd.	Toronto, Ont.	Crowntek Communications Inc.	Markham, Ont.
Canadian Marconi Company Ltd.	Montréal, Qué.	D & D Packing and Seals Inc.	Mississauga, Ont.
Canadian Meter, Division of the Singer Co. of Canada Ltd.	Milton, Ont.	Dan-Dee Imports Canada Ltd.	Cooksville, Ont.
Canadian National Railways	Montréal, Qué.	Danas Sign Service & Installation Ltd.	Edmonton, Alta.
Canadian Reynolds Metals Co.	Baie-Comeau, Qué.	Data General (Canada) Limited	Mississauga, Ont.
Canadian Tire Corporation Ltd.	Toronto, Ont.	Datapoint Canada Inc.	Willowdale, Ont.
Canarctic Shipping Company Ltd.	Ottawa, Ont.	Davis Controls Limited	Islington, Ont.
Canon Canada Inc.	Mississauga, Ont.	De Havilland Aircraft of Can. Ltd.	Downsview, Ont.
Cantech Corporation	Calgary, Alta.	De Roef Holdings Ltd.	Surrey, B.C.
Caproco Corrosion Prevention Limited	Edmonton, Alta.	Decade Electronics Ltd.	Scarborough, Ont.
Cardal Controls Canada Ltd.	Edmonton, Alta.	Demuth Products (Canada) Ltd.	Waterloo, Ont.
Cardinal Industrial Electronics Ltd.	Edmonton, Alta.	Deskin Sales Corp.	Montréal, Qué.
		Deutz-Allis Corporation Canada Ltd.	Mississauga, Ont.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Dictaphone Corporation Ltd.	Islington, Ont.	Fitz-Wright Manufacturing Ltd.	Surrey, B.C.
DiffRACTO Ltd.	Windsor, Ont.	Fleet Systems Inc.	Edmonton, Alta.
Digidyne Inc.	Lachine, Qué.	Ford Glass Ltd.	Toronto, Ont.
Digital Equipment Co. Ltd.	Kanata, Ont.	Ford Motor Company of Canada Ltd.	Oakville, Ont.
Disston Canada Inc.	Mississauga, Ont.	Foxboro Canada Inc.	Montréal, Qué.
Dobrocky Seatech Ltd.	St. John's, Nfld.	Franklin Electrical Supplies (Canada) Ltd.	St-Laurent, Qué.
Dontrec Ltd.	Cooksville, Ont.	Fred Deeley Cycles Ltd.	Richmond, B.C.
Doncaster Medical Supplies Limited	Markham, Ont.	Friesen Electric Ltd.	Clearbrook, B.C.
Donovan Sales Ltd.	Vancouver, B.C.	Fryston Can Inc.	Mississauga, Ont.
Dorcy Ashflash-Canada Ltd.	Niagara Falls, Ont.	Future Electronics Inc.	Pointe-Claire, Qué.
Dresser Canada Inc.	Calgary, Alta.	G & A Bourque Enr.	St-David, Qué.
Dresser Industries Canada Ltd.	Mississauga, Ont.	G A Sibley Co., D/O Gaunt Enterprises Ltd.	West Hill, Ont.
Dual Lite Products Ltd.	St-Léonard, Qué.	G C Duke Equipment Ltd.	Burlington, Ont.
Dupont Canada Inc.	Mississauga, Ont.	G M F Robotics Canada Ltd.	Mississauga, Ont.
Duracell Inc.	Mississauga, Ont.	G N Johnston Equipment Company Ltd.	Mississauga, Ont.
Dustbane Enterprises Ltd.	Ottawa, Ont.	Galt Wood Tool Ltd.	Cambridge, Ont.
Dynamedia Inc.	Montréal, Qué.	Gamewell Inc.	Weston, Ont.
Dyplex Communications Ltd.	Mississauga, Ont.	Garaventa (Canada) Ltd.	Surrey, B.C.
EC Battery Canada Corporation	Mississauga, Ont.	Gemalta Co-operative Ltd.	Red Deer, Alta.
ECO Environment Products Ltd.	Edmonton, Alta.	General Battery Corp.	Toronto, Ont.
Eastern Air Lines Inc.	Miami, FL, USA*	General Films Inc., Division Tozer Kemsley & Millbourn Canada Ltd.	Scarborough, Ont.
Econolite Canada Inc.	Scarborough, Ont.	General Motors of Canada Ltd.	Oshawa, Ont.
Edwards, A Unit of General Signals Limited	Owen Sound, Ont.	Genrad Ltd.	Mississauga, Ont.
Eldon Industries of Canada Inc.	Markham, Ont.	Geodimeter of Canada Ltd.	Toronto, Ont.
Electro & Optical Systems Ltd.	Scarborough, Ont.	Geologist Service Ltd.	Edmonton, Alta.
Electro Mecanik Incorporé	Ste-Foy, Qué.	Georges Daigneault Ltée	Montréal, Qué.
Electro Sonic Inc.	Willowdale, Ont.	Glazers Incorporated	Montréal, Qué.
Emerson Electric Canada Ltd.	Markham, Ont.	Gordon A. MacEachern Ltd.	Toronto, Ont.
Empire Stevedoring Company Ltd.	Vancouver, B.C.	Grace Trading Company	Scarborough, Ont.
Enmet Canada Ltd.	Mississauga, Ont.	Grid Systems Canada Inc.	Toronto, Ont.
Enterprises Jobec Co. Ltd.	Montréal, Qué.	Grolier Ltée	St-Laurent, Qué.
Epic Data Inc.	Richmond, B.C.	Guillevin International Inc.	St-Laurent, Qué.
Esden Limited	Don Mills, Ont.	Gulf Canada Corp.	Calgary, Alta.
Esso Resources Canada Limited	Don Mills, Ont.	H Heidorn & Associates Inc.	Concord, Ont.
Eversonic Inc.	Downsview, Ont.	H Ruhl Machinery Co. Ltd.	Toronto, Ont.
Execaire Aviation L S Ltée	Dorval, Qué.	Halifax Sheraton Hotel	Halifax, N.S.
Exide Canada Corp. (2773131)	Mississauga, Ont.	Halo of Canada Lighting Incorporated	Mississauga, Ont.
Exide Electronics Canada Inc.	Mississauga, Ont.	Hands Fireworks Inc.	Ottawa, Ont.
Extel Communications (Canada) Limited	Markham, Ont.	Harris Systems Ltd.	Don Mills, Ont.
Fans and Motor Supply Company	Calgary, Alta.	Harry Geen Associates Limited	Scarborough, Ont.
Fathom Oceanology Ltd.	Mississauga, Ont.	Hart Door Control Services Ltd.	Calgary, Alta.
Ferro-Technique Ltd.	St-Laurent, Qué.		
Festo Inc.	Rexdale, Ont.		
Firestone Steel Products of Canada Ltd.	London, Ont.		
Fisher Scientific Company Ltd.	Ottawa, Ont.		

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Hartz Canada Incorporated	St. Thomas, Ont.	Jeelick Technology Inc.	Scarborough, Ont.
Harvard Communications, C/O Harvard Development Ltd.	Regina, Sask.	John A. Bradley & Associates Limited	Toronto, Ont.
Hasbro Canada Inc.	Longueuil, Qué.	K Pinter & Assoc. Ltd., O/P as Provincial Photo Products	Brampton, Ont.
Heath Company, Div. of Zenith Radio Canada Limited	Toronto, Ont.	K-W Battery Supply Ltd.	Kitchener, Ont.
Heine Instruments Canada Ltd.	Kitchener, Ont.	Kaufel Group Ltd.	Dorval, Qué.
Hemisphere Importers Ltd.	Winnipeg, Man.	Kilpatrick Investments Ltd., O/A Kilpatrick Communications & Co.	Weston, Ont.
Hermes Electronics Ltd.	Dartmouth, N.S.	Kimball Systems, Div. of Litton Canada Inc.	Toronto, Ont.
Hewlett-Packard (Canada) Limited	Mississauga, Ont.	Kingsway Film Equipment Ltd.	Toronto, Ont.
Hilti (Canada) Limited	Bramalea, Ont.	Kodak Canada Inc.	Toronto, Ont.
Hitachi (HSC) Canada Inc.	Pointe-Claire, Qué.	Kraco Enterprises Inc.	Mississauga, Ont.
Hitachi Denshi Ltd.	Scarborough, Ont.	L A Varah Ltd.	Vancouver, B.C.
Hobbycraft Canada, Div. of Canadian Hobbycraft Ltd.	Rexdale, Ont.	L S Starrett Company of Canada Ltd.	Calgary, Alta.
Hoffmann Laroche Ltd.	Etobicoke, Ont.	L'Institut de Recherche en Santé Sécurité Travail du Québec	Mississauga, Ont.
Hofstetter Business Products Ltd.	Rexdale, Ont.	La Corporation Instrumentarium Inc.	Montréal, Qué.
Honeywell Controls Limited	Willowdale, Ont.	La Stimulation Musculaire Électronique Inc.	Terrebonne, Qué.
Honeywell Limited, Medical Electronics Division	Mississauga, Ont.	Lafarge Concrete, Div. of Canada Cement Lafarge Ltd.	Montréal, Qué.
Hôpital du Sacré-Coeur	Montréal, Qué.	Laniel Automatic Machines Inc.	Montréal, Qué.
Hoskin Scientific Ltd.	Oakville, Ont.	Lanier Business Products Canada Inc.	Don Mills, Ont.
Howe Richardson Inc.	Pointe-Claire, Qué.	Lawrence Jusko & Co. Ltd.	Montréal, Qué.
Hugin Sweda Inc.	Mississauga, Ont.	Lee Valley Tools Ltd.	Ottawa, Ont.
Hurricane Rescue Craft Inc.	Richmond, B.C.	Lenbrook Industries Limited	Pickering, Ont.
Hussmann Store Equipment Limited	Brantford, Ont.	Les Entreprises Donald Berman Ltée	Montréal, Qué.
I B M Canada Ltd.	Markham, Ont.	Les Industries Sanyo Canada Inc.	Montréal, Qué.
I S B Ltd.	Dorval, Qué.	Les Must de Cartier Canada Inc.	Toronto, Ont.
ITT Canada Limited	Guelph, Ont.	Levitt Safety Eastern Ltd.	Toronto, Ont.
Imperial Oil Ltd.	Don Mills, Ont.	Li-Ho Enterprises International Inc.	Winnipeg, Man.
Imperial Optical Company Ltd.	Toronto, Ont.	Lin Trading Co. Ltd.	Toronto, Ont.
Innotech Aviation Ltd.	Dorval, Qué.	Linear Systems Ltd.	Winnipeg, Man.
Intercontinental Packers Limited	Saskatoon, Sask.	Lisle-Kelco Limited	Rexdale, Ont.
Intermec Systems Corporation	Mississauga, Ont.	Lotek Engineering Inc.	Aurora, Ont.
International Correspondence Schools Canadian Ltd.	Montréal, Qué.	Lumacell Inc.	Scarborough, Ont.
Intertechnology Ltd.	Don Mills, Ont.	Lyonheart International, O/B 90462 Canada Limited	Toronto, Ont.
Iona Appliances Inc.	Welland, Ont.		
Irving Oil Ltd.	Saint John, N.B.		
Irwin Toy Limited	Toronto, Ont.		
J C B Excavators Limited	Toronto, Ont.		
J Pascal Inc.	Burlington, Ont.		
J Y Ryder Machinery Limited	Montréal, Qué.		
Jabro Batteries (Alta) Ltd.	Toronto, Ont.		
Jay Norris Canada Inc.	Calgary, Alta.		
	Montréal, Qué.		

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
M Herman Co. (1974) Inc.	Montréal, Qué.	Modcomp Canada Ltd.	Mississauga, Ont.
M S A Canada Incorporated	Downsview, Ont.	Modified Rectifier Corp.	Toronto, Ont.
M T I Canada Ltd.	Mississauga, Ont.	Monte Scientific Instruments Inc.	Montréal, Qué.
MSE Engineering Systems Ltd.	Downsview, Ont.	Montgomery Kone Elevator Co. Limited	Toronto, Ont.
MTD Products Canada, O/P by Sehl Engineering Limited	Kitchener, Ont.	Montreuil Electro Inc.	St-Laurent, Qué.
Macs II Agencies Ltd.	Coquitlam, B.C.	Moore Instrument Company Ltd.	Brampton, Ont.
Major Medical Supplies Ltd.	Hamilton, Ont.	Motorola Canada Limited	North York, Ont.
Makita Power Tools Canada Ltd.	Whitby, Ont.	Mow - Tech Ltd.	Edmonton, Alta.
Malivoire Productions Inc.	Toronto, Ont.	Multitone Electronics Ltd.	Downsview, Ont.
Maple Cyclery Ltd.	Dundas, Ont.	NCR Canada Ltd.	Mississauga, Ont.
Marine Equipment Ltd.	Halifax, N.S.	National Mine Service (Canada) Ltd.	Indiana, PA, USA*
Marine Mail Order Supply Inc.	Downsview, Ont.	National Semiconductor Canada Limited	Rexdale, Ont.
Maritime Services Ltd.	Vancouver, B.C.	Navistar International Corporation Canada	Hamilton, Ont.
Matrox Electronic System Ltd.	Dorval, Qué.	Neptune Meters Ltd.	Toronto, Ont.
Matsushita Electric of Canada Limited	Mississauga, Ont.	Nolisair International Inc.	Mirabel, Qué.
Matsushita Industrial Canada Limited	Toronto, Ont.	Norco Products Ltd.	Burnaby, B.C.
McAllister Energy Research Ltd.	Calgary, Alta.	Nord-AM Watch (Toronto) Ltd.	Toronto, Ont.
McAllister Instrumentation Ltd.	Calgary, Alta.	Norman Wade Company Ltd.	Scarborough, Ont.
McCaul Importers Ltd.	Downsview, Ont.	Nortech Control Equipment Inc.	Etobicoke, Ont.
McGraw-Edison Power Systems, A Div. of Cooper Ind. (Canada) Inc.	Willowdale, Ont.	North American Watch of Canada Ltd.	Willowdale, Ont.
McGraw-Edison Service, D/O Cooper Ind. (Canada) Inc.	Burlington, Ont.	Northern Telecom Canada Limited	Islington, Ont.
McHugh Electronics Limited	Pickering, Ont.	Norton Canada Incorp.	Calgary, Alta.
Medtronic of Canada Ltd.	Mississauga, Ont.	Norvinca Inc.	Mont-Royal, Qué.
Mel Manis Electric Inc.	Mont-Royal, Qué.	Nutronix Controls Limited	Oakville, Ont.
Mercedes-Benz of Canada Limited	Toronto, Ont.	O E M Battery Systems Ltd.	Surrey, B.C.
Metropolitan Supplies Ltd.	Toronto, Ont.	OHMEDA	Rexdale, Ont.
Midore Imports of Canada Inc.	Montréal, Qué.	Omnitronix Ltée	St-Laurent, Qué.
Miles Laboratories Ltd.	Rexdale, Ont.	Ontario Battery Services Co.	Rexdale, Ont.
Milwaukee Electric Tool (Canada) Ltd.	Scarborough, Ont.	Optex Corporation	Don Mills, Ont.
Minolta Canada Inc.	Mississauga, Ont.	Orient Impex Co. Ltd.	Newmarket, Ont.
Miscoe Data Inc.	Mississauga, Ont.	Orraids Ltd.	Prescott, Ont.
Mitel Corporation	Kanata, Ont.	Otis Canada Inc.	Oakville, Ont.
Mitsubishi Canada Ltd.	Toronto, Ont.	P H Friesen Ltd.	Winnipeg, Man.
Mitsubishi Electric Sales Canada Inc.	Markham, Ont.	P M S Hobbycraft Ltd.	Calgary, Alta.
Mitsubishi Electronics Industries Canada Inc.	Midland, Ont.	P P G Canada Inc.	Oshawa, Ont.
Mitsui & Co. Canada Ltd.	Toronto, Ont.	P K Douglas Inc.	Mississauga, Ont.
Mobex-Irwin Company	Toronto, Ont.	Page and Wilson Limited	Vancouver, B.C.
		Peachtree Marketing Inc.	Scarborough, Ont.
		Pentax Canada Inc.	Vancouver, B.C.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Peterboro Guns Limited	Peterborough, Ont.	Rex Wholesale, C/O Weinstein & Co. & Charlie Chinn	Vancouver, B.C.
Petro Vend of Canada Inc.	Richmond, B.C.	Reynolds & Reynolds (Canada) Ltd.	Brampton, Ont.
Philips Electronics Ltd.	Scarborough, Ont.	Rico Equipment (1983) Ltd.	Burnaby, B.C.
Philips Information Systems Ltd.	St-Laurent, Qué.	Ricoh of Canada Ltd.	Don Mills, Ont.
Philtek Electronics Ltd.	Richmond, B.C.	Rockwell International of Canada Ltd.	Toronto, Ont.
Phonic Ear Ltd.	Mississauga, Ont.	Rodania Canada Inc.	Montréal, Qué.
Pines Mfg. (Canada) Limited	Pickering, Ont.	Roland Music Canada Ltd.	Richmond, B.C.
Pinpoint Retail Systems Inc.	Toronto, Ont.	Rolm Canada Inc.	Willowdale, Ont.
Polaroid Canada Inc.	Rexdale, Ont.	Romatec-R M L, Division of Robert Muddiman Limited	Willowdale, Ont.
Polysar Limited	Sarnia, Ont.	Rosgol Industries Ltd.	Montréal, Qué.
Power Battery (Iberville) Ltée	Iberville, Qué.	Ruko of Canada Ltd.	Streetsville, Ont.
Power Battery Sales Ltd.	Scarborough, Ont.	Ryantronics Reg'd	Mississauga, Ont.
Prairie Industrial Chemicals Inc.	Saskatoon, Sask.	S D S (Security Distribution Services) Inc.	Toronto, Ont.
Prelco Electronics Ltd.	Montréal, Qué.	S D S Drilling Limited	Mount Pearl, Nfld.
Premier Fastener Ltd.	Cleveland, OH, USA*	S H A Enterprises Inc.	Montréal, Qué.
Prestige Electronics Corp.	Rexdale, Ont.	S L K Marketing Company	Weston, Ont.
Prins Greenhouses Ltd.	Abbotsford, B.C.	SC Time Incorporated	Willowdale, Ont.
Procam Photo Products (Canada) Inc.	Toronto, Ont.	Sab Nife Corporation	Scarborough, Ont.
Produits de Sécurité A B C Inc.	St-Laurent, Qué.	Safety Supply Canada Ltd.	Richmond Hill, Ont.
Programmable Control, Div. of Gould Electronics (Canada) Ltd.	Mississauga, Ont.	Saft Batteries Ltd.	Scarborough, Ont.
Province Livestock Supply Ltd.	Lethbridge, Alta.	San Francisco Gifts Ltd.	Edmonton, Alta.
Pylon Electronic Development Company Ltd.	Nepean, Ont.	Sanode Limited	Mississauga, Ont.
Queale Electronics Ltd.	Victoria, B.C.	Sanwa (Canada) Company	Vancouver, B.C.
Quebecair Incorporated	St-Laurent, Qué.	Sanyo Canada Inc.	Toronto, Ont.
Quick Cable Canada Ltd.	Toronto, Ont.	Sargent-Welch Scientific of Canada Ltd.	Skokie, IL, USA*
R A E Industrial Electronics Ltd.	Burnaby, B.C.	Saynor Electronics Limited	Don Mills, Ont.
R G Shelley Ltd.	Don Mills, Ont.	Schlumberger of Canada Ltd.	Calgary, Alta.
R Nicholls Distributors Inc.	Montréal, Qué.	Sealand Imports Ltd.	Burnaby, B.C.
RCA Inc.	Toronto, Ont.	Sealand Sales Limited	Vancouver, B.C.
RCC Electronics Ltd.	Etobicoke, Ont.	Sed Systems Inc.	Saskatoon, Sask.
Radio Shack, a Div. of Tandy Electronics Ltd.	Barrie, Ont.	Sedpex Inc.	St. John's, Nfld.
Ramsey Lake Industrial Limited	Lively, Ont.	Sellick Equipment Limited	Harrow, Ont.
Rayovac Canada Inc.	Mississauga, Ont.	Semad Electronics, Div. DGW Electronics Corp.	Markham, Ont.
Rayvon Electronics Ltd.	Mississauga, Ont.	Semperit Trading Ltd.	Montréal, Qué.
Ready-Lite Mfg. Ltd.	Victoria, B.C.	Sharp Electronics of Canada Ltd.	Mississauga, Ont.
Reich Brothers Inc.	Montréal, Qué.	Sherritt Gordon Mines Ltd.	Lynn Lake, Man.
Reliance Telecommunication Products Ltd.	St. Thomas, Ont.	Shivas Watch Inc.	Montréal, Qué.
Remanco Systems Inc.	Markham, Ont.	Shriro (Canada) Ltd.	Montréal, Qué.
Remington Products (Canada) Inc.	Mississauga, Ont.	Sicks Lethbridge Brewery Ltd.	Lethbridge, Alta.
Repro Radio Limited	Pickering, Ont.	Siemens Electric Limited	Mississauga, Ont.
		Silverwood Dairies Ltd.	London, Ont.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Simark Controls Ltd.	Calgary, Alta.	Technicon Canada Inc.	Montréal, Qué.
Simplex International Time Equipment Co. Ltd.	Mississauga, Ont.	Tektronix Canada Inc.	Barrie, Ont.
Skil Canada, Div. of Emerson Electric Canada Ltd.	Markham, Ont.	Tele-Radio Systems Ltd.	Woodbridge, Ont.
Smith International Canada Ltd.	Edmonton, Alta.	Telefon Ltd.	Hamilton, Ont.
Société Distribution Alertech Inc.	St-Laurent, Qué.	Televox Systems Inc.	Ste-Foy, Qué.
Sokkisha Canada Inc.	Weston, Ont.	Telic Service Corp.	Toronto, Ont.
Sola Canada, O/B General Signal Limited	Toronto, Ont.	Telxon Canada Corporation Inc.	Toronto, Ont.
Solinst Canada Ltd.	Burlington, Ont.	Tennant Company	Minneapolis, MN, USA*
Sony of Canada Ltd.	Willowdale, Ont.	The Alexander Battery Corporation	Ottawa, Ont.
Sotal Ltd.	Montréal, Qué.	The American Superior Electric Company Ltd.	Bristol, CT, USA*
Southeastern Commonwealth Drilling Ltd.	Halifax, N.S.	The East Asiatic Company (Canada) Ltd.	Vancouver, B.C.
Sparton of Canada Ltd.	London, Ont.	The University of British Columbia	Vancouver, B.C.
Specialty Manufacturing Ltd.	Vancouver, B.C.	The University of Calgary	Calgary, Alta.
Spectravisio Int'l Inc.	Brampton, Ont.	Théo Turgeon Inc.	Montréal, Qué.
Sperry Inc. Computer Systems	Mississauga, Ont.	Thermo Electric Canada Ltd.	Brampton, Ont.
Sperry-Sun of Canada Limited	Edmonton, Alta.	Tie Communications Canada Limited	Markham, Ont.
Spilsbury Communications Ltd.	Vancouver, B.C.	Timex Canada Incorporated	Markham, Ont.
Sport Dinaco Inc.	Lachine, Qué.	Tokyo Electric Canada Limited	Rexdale, Ont.
Square D Company Canada Ltd.	Waterloo, Ont.	Tomy Canada Inc.	Concord, Ont.
Standard Aero Limited	Winnipeg, Man.	Toshiba of Canada Limited	Willowdale, Ont.
Stearns Catalytic Ltd.	Allentown, PA, USA*	Toyota Canada Inc.	Scarborough, Ont.
Steelcase Canada Ltd.	Don Mills, Ont.	Trans Canada Pipe Lines Ltd.	Toronto, Ont.
Stelco Inc.	Hamilton, Ont.	Transmation (Canada) Inc.	Rochester, NY, USA*
Stored Energy Batteries & Systems Inc.	Mississauga, Ont.	Travenol Canada Inc.	Mississauga, Ont.
Strong Enterprises Ltd.	Mississauga, Ont.	Treck Photographic of Canada Ltd.	Toronto, Ont.
Stryker International Ltd.	Kalamazoo, MI, USA*	Triband Limited	Downsview, Ont.
Superior Milk Jug Ltd.	Vancouver, B.C.	Trico Products Corporation	Buffalo, NY, USA*
Supreme Bag Co. & Dover Pad Ltd.	Montréal, Qué.	Trio-Kenwood Canada Inc.	Mississauga, Ont.
Suzuki Canada Inc.	Downsview, Ont.	TuI Safety Equipment Limited	Hawkesbury, Ont.
Sweet Inspiration Co.	Markham, Ont.	Turf Care Products Limited	Markham, Ont.
Sybron Canada Ltd., Medical Products Division	Toronto, Ont.	Turfquip Inc.	Longueuil, Qué.
T C Electronics Canada Ltd.	Dollard-des-Ormeaux, Qué.	Udisco Ltd.	Montréal, Qué.
T J Supply Company Ltd.	Toronto, Ont.	Union Carbide Canada Ltd.	Toronto, Ont.
TSC Stores Limited	London, Ont.	Unisource Technology Inc.	Montréal, Qué.
TYK Refractories Company	Burlington, Ont.	United Cleaning Services	Toronto, Ont.
Tait Indisco Distributors Ltd.	Edmonton, Alta.	United Co-Operatives of Ontario	Mississauga, Ont.
Taylor Instrument, Div. of Combustion Eng-Super Heat Ltd.	Toronto, Ont.	United Farmers of Alberta Cooperative Ltd.	Calgary, Alta.
Technical Marketing Associates Limited	Mississauga, Ont.	Universal X-Ray of Canada Ltd.	Dorval, Qué.
		Universe International Co.	Montréal, Qué.
		University of Regina	Regina, Sask.
		University of Toronto, Engineering Society	Toronto, Ont.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Upton Bradeen & James Ltd.	Don Mills, Ont.	Westcoast Flowercraft Supply Co. Ltd.	Burnaby, B.C.
Valenite Modco Ltd.	Windsor, Ont.	Western Rawhide & Harness Manufacturing Co. Ltd.	Winnipeg, Man.
Vansco Electronics Ltd.	Winnipeg, Man.	Westinghouse Canada Limited	Hamilton, Ont.
Varta Batteries Ltd.	Willowdale, Ont.	Westrock Battery & Auto Supply Ltd.	Winnipeg, Man.
Veeder-Root of Canada Ltd.	Toronto, Ont.	Whalley Hardware, Div. of Holland Import Inc.	Burnaby, B.C.
Versatile Imports Reg.	Mississauga, Ont.	Windsor Factory Supply Ltd.	Windsor, Ont.
Video Dynamic Systems Ltd.	Markham, Ont.	Xerox Canada Inc.	Don Mills, Ont.
Viking Helicopters Limited	Saint-Clet, Qué.	Xidex Corp.	Markham, Ont.
Vistek Ltd.	Toronto, Ont.	Yale Security Products, Div. of Canada Scovill Industries Ltd.	Mississauga, Ont.
Volker Stevin Dredging and Services Canada Ltd.	Calgary, Alta.	Yamaha Canada Music Ltd.	Scarborough, Ont.
W E S Electronics Ltd.	Winnipeg, Man.	Yashica Canada Inc.	Mississauga, Ont.
Wacker Canada Ltd.	Mississauga, Ont.	Zenith Radio Canada Ltd.	Toronto, Ont.
Warner-Lambert Canada Inc.	Scarborough, Ont.		
Westburne Industrial Enterprises Ltd.	Montréal, Qué.		

\* Non-resident importer





PART F

MOTOR VEHICLE STORAGE BATTERIES, WET CELL (110-88)



PART F: MOTOR VEHICLE STORAGE BATTERIES, WET CELL

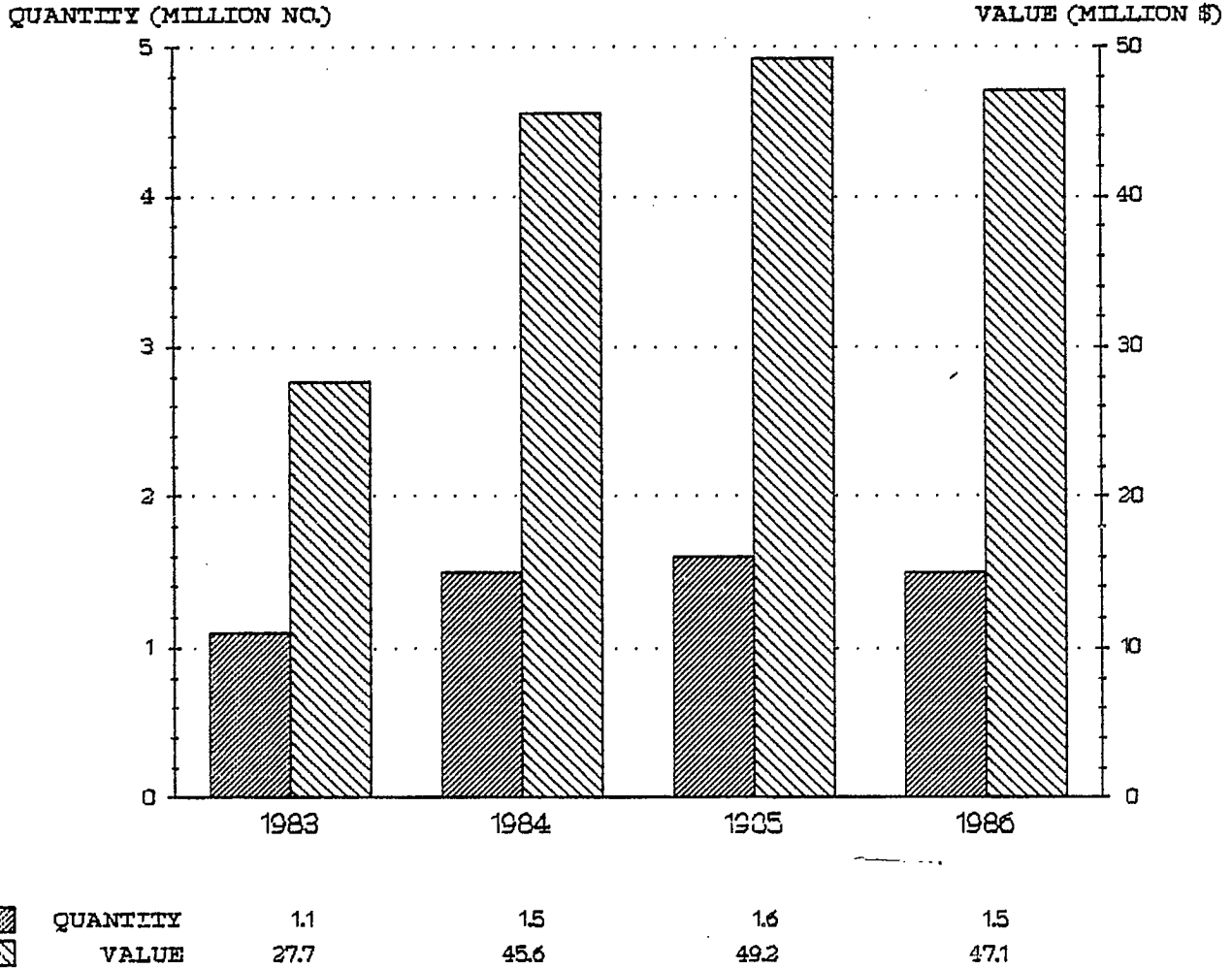
SCOPE

This part of the report analyses imports of wet cell storage batteries classified to the following import commodity code of the Canadian International Trade Classification (C.I.T.C.):

<u>Code</u>	<u>Description</u>
693-29-20	Batteries, Storage, Motor Vehicle
	e.g. - Accumulators/Batteries/Motor Vehicle
	- Batteries, Dry Charge, Automotive
	- Batteries, Lead-Acid, Motor Vehicle
	- Batteries, Storage, Motorcycle
	- Batteries, Storage, Tractor

PART F: MOTOR VEHICLE STORAGE BATTERIES, WET CELL

IMPORT TRENDS: OVERVIEW



Imports of motor vehicle batteries remained relatively constant in terms of quantity between 1983 and 1986, reaching a high of 1.6 million units in 1985. In terms of value, however, imports grew rapidly from \$27.7 million in 1983, to \$49.2 million in 1985, before dropping slightly to a total of \$47.1 million in 1986.

PART F: MOTOR VEHICLE STORAGE BATTERIES, WET CELL

IMPORTS TO CANADA BY FOREIGN COUNTRY OF EXPORT

<u>Foreign Country of Export</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>Unit Price 1986</u> \$	<u>Average Annual Growth Rate 1983-1986</u> %	<u>Per Cent Change 1985-1986</u>
<b>UNITED STATES</b>							
Quantity ('000 No.)	950	1 270	1 369	1 247		9	-9
Value (\$000)	25 835	42 936	45 709	41 964	33.65	18	-8
<b>JAPAN</b>							
Quantity ('000 No.)	142	147	132	139		-1	5
Value (\$000)	1 362	1 750	1 516	2 162	15.52	17	43
<b>REPUBLIC OF KOREA</b>							
Quantity ('000 No.)	*	7	46	93		876	100
Value (\$000)	2	175	1 293	2 148	23.09	924	66
<b>SWEDEN</b>							
Quantity ('000 No.)	2	9	34	18		113	-46
Value (\$000)	40	152	337	426	23.15	120	26
<b>TAIWAN</b>							
Quantity ('000 No.)	5	17	7	12		34	67
Value (\$000)	84	197	98	137	11.66	18	40
<b>OTHER</b>							
Quantity ('000 No.)	32	14	9	16		-21	82
Value (\$000)	348	359	264	248	15.77	-11	-6
<b>TOTAL</b>							
Quantity ('000 No.)	1 131	1 464	1 598	1 525		10	-5
Value (\$000)	27 671	45 569	49 217	47 085		19	-4
Unit Price (\$)	24.46	31.12	30.80	30.87			

\* Less than 500 units

The United States was the principal exporter to Canada of motor vehicle batteries between 1983 and 1986, accounting for at least 82 per cent of the quantity and 89 per cent of the value of imports during each of the four years. Japan and the Republic of Korea were second in rank with 4.6 per cent each of the total value in 1986.

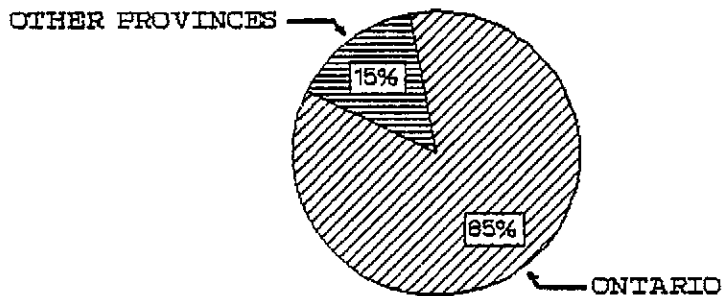
In 1986, the average unit price of imports of motor vehicle batteries was \$30.87. Unit prices in 1986 ranged from \$11.66 for imports from Taiwan, to \$33.65 for those from the United States.

PART F: MOTOR VEHICLE STORAGE BATTERIES, WET CELL

IMPORTS BY PROVINCE OF CLEARANCE

1986

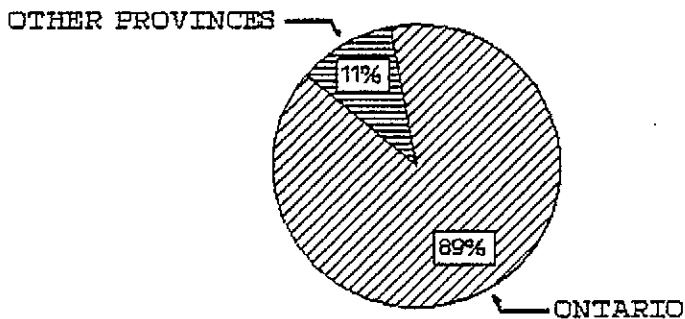
**QUANTITY**



100% = 15 million units

In 1986, the majority of imports of motor vehicle batteries entered Canada through Ontario. This province accounted for 1.3 million units, or 85 per cent of the import total. The other provinces accounted for the remaining 223 000 units, or 15 per cent of the total.

**VALUE**



100% = \$47.1 million

Ontario was the principal province of entry in terms of value, accounting for \$42 million, or 89 per cent of the total value of imports in 1986. The residual \$5.1 million, or 11 per cent of the import total, entered Canada through the remaining provinces.

NOTE: For more detailed data on imports by major foreign countries of export and provinces of clearance, see Appendix A, page 88.

PART F: MOTOR VEHICLE STORAGE BATTERIES, WET CELL

IMPORT MARKET CONCENTRATION - 1986

	<u>Top 5 Importers</u>	<u>Top 10 Importers</u>	<u>Top 14 Importers</u>	<u>All Importers</u>
Value (\$000)	39 092	41 332	42 455	47 085
Per cent of Total Value	83	88	90	100

The 10 principal importers of motor vehicle batteries in 1986 accounted for \$41.3 million, or 88 per cent of the import total. Seven of these importers were manufacturers of motor vehicles, and three were wholesalers of automobiles and automobile parts. Eight of the 10 companies were located in Ontario.

NOTE: "Top importers" are the known importers with the largest imports by value in 1986.

TYPE AND LOCATION OF THE TOP 14 KNOWN IMPORTERS - 1986  
(90% OF TOTAL IMPORT VALUE)

	<u>MANUFACTURERS</u>		<u>WHOLESALE(1)</u>		<u>TOTAL</u>	
	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>
Ontario	6	38 622	4	2 394	10	41 016
Québec	1		-	-	1	
Western Provinces	2	1 439*	-	-	2	1 439*
Atlantic Provinces	1		-	-	1	
<b>TOTAL</b>	<b>10</b>	<b>40 061</b>	<b>4</b>	<b>2 394</b>	<b>14</b>	<b>42 455</b>

Per cent of 1986 Total Value	85	5	90
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(1) Includes one retailer

\* Québec, Western Provinces and Atlantic Provinces aggregated to preserve confidentiality.

There were at least 127 importers of motor vehicle batteries in 1986. The top 14 importers accounted for \$42.5 million, or 90 per cent of the total import value in that year. Ten of the 14 importers were manufacturers whose imports totalled \$40 million, or 85 per cent of the total. Eight of these manufacturers were producers of motor vehicles with imports totalling \$39.4 million, or 84 per cent of total imports. Four of the top 14 importers were wholesalers of automobiles and their parts, whose imports totalled \$2.4 million, or five per cent of the import total.



PART F: MOTOR VEHICLE STORAGE BATTERIES, WET CELL

IMPORTS TO CANADA BY MAJOR FOREIGN COUNTRY OF EXPORT AND PROVINCE OF CLEARANCE

1986

<u>Foreign Country Of Export</u>	<u>Canada</u>	<u>Nfld.</u>	<u>N.S.</u>	<u>P.E.I.</u>	<u>N.B.</u>	<u>Qué.</u>	<u>Ont.</u>	<u>Man.</u>	<u>Sask.</u>	<u>Alta.</u>	<u>B.C.</u>
<b>UNITED STATES</b>											
Quantity ('000 No.)	1 247	0	*	0	*	9	1 209	9	4	8	8
Value (\$000)	41 964	0	1	0	*	293	40 564	189	81	308	528
<b>JAPAN</b>											
Quantity ('000 No.)	139	0	0	0	0	47	65	6	0	0	22
Value (\$000)	2 162	0	0	0	0	776	885	85	0	0	416
<b>REPUBLIC OF KOREA</b>											
Quantity ('000 No.)	93	0	0	0	0	21	9	6	0	11	46
Value (\$000)	2 148	0	0	0	0	300	233	158	0	240	1 217
<b>SWEDEN</b>											
Quantity ('000 No.)	18	0	18	0	0	0	1	0	0	0	*
Value (\$000)	426	0	396	0	0	0	21	0	0	0	9
<b>TAIWAN</b>											
Quantity ('000 No.)	12	0	0	0	0	4	3	1	0	0	4
Value (\$000)	137	0	0	0	0	38	36	16	0	0	47
<b>OTHER</b>											
Quantity ('000 No.)	16	0	0	0	0	*	15	0	0	0	*
Value (\$000)	248	0	0	0	0	5	229	0	0	0	12
<b>TOTAL</b>											
Quantity ('000 No.)	1 525	0	18	0	*	80	1 302	23	4	19	81
Value (\$000)	47 085	0	398	0	*	1 412	41 968	448	81	548	2 229

\* Less than 500 units or \$500.

PART F: MOTOR VEHICLE STORAGE BATTERIES, WET CELL

CANADIAN TARIFFS

Tariff Item	Description	% of Total Import Value (1986)	Tariff Treatment				U.K. and Ireland
			British Prefer- ential Tariff	Most Favoured Nation Tariff	General Tariff	General Prefer- ential Tariff	
			%	%	%	%	%
95002-01	All parts and accessories and parts of automobiles, except tires and tubes, when imported for use as original equipment in automobiles to be produced in Canada by a manufacturer of automobiles:						
	January 1, 1986	56	Free	Free	-	-	-
95006-01	All parts, and accessories and parts of specified commercial vehicles, except tires, tubes and machines or other articles required under tariff item 43803-01 to be valued separately under the tariff items regularly applicable thereto, when imported for use as original equipment in specified commercial vehicles to be produced in Canada by a manufacturer of specified commercial vehicles:						
	January 1, 1986	25	Free	Free	-	-	-
44512-01	Electric and galvanic batteries, n.o.p., and complete parts hereof, including separator walls of wood, cut to size or not:						
	January 1, 1986	18	11.7	11.7	27.5	7.5	11.7
	January 1, 1987		10.8	10.8	27.5	7.0	10.8

N.o.p. - Not otherwise provided for

PART F: MOTOR VEHICLE STORAGE BATTERIES, WET CELL

CANADIAN TARIFFS (CONT'D)

Tariff Arrangements and Foreign Countries of Export:

Exporting countries which qualify for the Most Favoured Nation tariff treatment: United States,  
Japan, Sweden, Taiwan

Exporting country which qualifies for the Most Favoured Nation tariff treatment or General System of  
Preference\*: Republic of Korea

\*NOTE: In order to qualify for the General System of Preference, a special certificate of origin is  
required.

ENQUIRIES CONCERNING TARIFFS SHOULD BE DIRECTED TO THE NEAREST CUSTOMS AND EXCISE OFFICE OR TO:

TARIFF PROGRAMS  
REVENUE CANADA  
CUSTOMS AND EXCISE  
OTTAWA, ONTARIO  
K1A 0L5  
TEL: (613) 954-6996

PART F: MOTOR VEHICLE STORAGE BATTERIES, WET CELL

CANADIAN IMPORTERS

Importers of wet cell storage batteries for motor vehicles during 1986, as indicated in this report, are listed below in alphabetical order. This list includes all importers except individuals and a minimal number of importers whose names were not available.

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
A H A Automotive Technology Corp.	Brampton, Ont.	Emerson Radio Canada Ltd.	Mississauga, Ont.
A L Choppers, OP by A L Distributing Limited	Hamilton, Ont.	Federal Battery Dist. Ltd.	Richmond, B.C.
Acklands Limited	Winnipeg, Man.	Film Line International Inc.	Montréal, Qué.
Action Accessories Ltd.	London, Ont.	Finning Tractor Co. Limited	Vancouver, B.C.
American Motors (Canada) Inc.	Brampton, Ont.	Ford Motor Company of Canada Ltd.	Oakville, Ont.
Ariens Canada Ltd.	Oakville, Ont.	Fred Deeley Limited	West Vancouver, B.C.
B M W Distributors Eastern Canada Limited	Whitby, Ont.	Fred Walker Golf Car Sales & Service Ltd.	North Vancouver, B.C.
B M W Distributors Western Company	Richmond, B.C.	Freightliner of Canada Ltd.	Burnaby, B.C.
Bach-Simpson Co. Ltd.	London, Ont.	Full-Bore Marketing Ltd.	Mississauga, Ont.
Batronics Inc.	Maple, Ont.	GNB Batteries (Canada) Inc.	Fort Erie, Ont.
Bico Steeplejack Inc.	St-Laurent, Qué.	Garden Way Canada Inc.	Rexdale, Ont.
Bombardier Ltée	Valcourt, Qué.	General Battery Corp.	Mississauga, Ont.
Boyes Sehmer Ltd.	Victoria, B.C.	General Motors of Canada Ltd.	Oshawa, Ont.
C & B Batteries Ltd.	New Westminster, B.C.	George M Fraser Ltd.	Scarborough, Ont.
C J McDonald Company	Toronto, Ont.	Gilles Soucy Inc.	Drummondville, Qué.
C Y G International Inc.	St-Laurent, Qué.	H & A Travelways Ltd.	Truro, N.S.
Canadian Battery Corp. Ltd.	Richmond, B.C.	Hewitt Equipment Ltd.	Montréal, Qué.
Canadian Chopper Distributors Ltd.	Richmond, B.C.	Higginson Equipment Sales Ltd.	Burlington, Ont.
Canadian Leisure Travel Co. Ltd.	Calgary, Alta.	Honda Canada Incorporated	Scarborough, Ont.
Canadian Tire Corporation Ltd.	Toronto, Ont.	Hyster Canada Ltd.	Malton, Ont.
Caterpillar of Canada Ltd.	Mississauga, Ont.	Hyundai Auto Canada Inc.	Markham, Ont.
Certified Parts Corporation	Winnipeg, Man.	Importations Thibault Inc.	Sherbrooke, Qué.
Charison Turkey Hatchery Ltd.	Gunton, Man.	Industrial Battery & Supply Ltd.	Nanaimo, B.C.
Chloride Canada Ltd.	Mississauga, Ont.	Ingersoll Rand Canada Inc.	Sherbrooke, Qué.
Chrysler Canada Limited	Windsor, Ont.	J H Ryder Machinery Limited	Toronto, Ont.
Cleaver-Brooks of Canada Ltd.	Stratford, Ont.	J I Case Canada Inc.	Hamilton, Ont.
Club Car Québec Import Inc.	Montréal, Qué.	Jaguar Canada Inc.	Bramalea, Ont.
Curtis-Wright of Canada Inc.	Mississauga, Ont.	Jim Morrison Power Cars, O/B 585748 Ontario Ltd.	Aurora, Ont.
Davidson Battery Service Ltd.	Vancouver, B.C.	John Deere Ltd.	Grimbsby, Ont.
Deutz-Allis Corporation Canada Ltd.	Mississauga, Ont.	Keuffel & Esser Canada Inc.	Parsippany, NJ, USA*
Dorcy Ashflash-Canada Ltd.	Niagara Falls, Ont.	Kilpatrick Investments Ltd., O/A Kilpatrick Communications & Co.	Weston, Ont.
Dresser Canada Inc.	Candiac, Qué.	Les Accessoires Trans-Cycle Ltée	Drummondville, Qué.
Eastern Marketing Ltd.	Woodstock, Man.	Les Distributions B S L Inc.	St-Antonin, Qué.
Eldon Industries of Canada Inc.	Markham, Ont.	Les Équipements Blackwood Hodge Québec Ltée	Dorval, Qué.
Emerson Electric Canada Ltd.	Markham, Ont.	Liftow Ltd.	Malton, Ont.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Location de Voitures Compactes (Qué) Ltée	Dorval, Qué.	R Nicholls Distributors Inc.	Montréal, Qué.
Mack Canada Inc.	Toronto, Ont.	Revello Corp.	Montréal, Qué.
Marubeni Canada Ltd.	Toronto, Ont.	Roim Canada Inc.	Willowdale, Ont.
Masland Carpets of Canada Limited	Rexdale, Ont.	Sanborns Motor Express Ltd.	Halifax, N.S.
Massey Combines Corp.	Brantford, Ont.	Simplex Cycle Ltd.	Winnipeg, Man.
Matsushita Electric of Canada Limited	Mississauga, Ont.	Simpsons-Sears Ltd.	Toronto, Ont.
Mercedes-Benz of Canada Limited	Toronto, Ont.	Sko Car Inc.	Markham, Ont.
Monte Scientific Instruments Inc.	Montréal, Qué.	Suzuki Canada Inc.	Downsview, Ont.
Motor Coach Industries Ltd.	Winnipeg, Man.	Tait Indisco Distributors Ltd.	Edmonton, Alta.
Motovan Motosport Inc.	Montréal, Qué.	Takeuchi Canada Ltd.	Scarborough, Ont.
Navistar International Corporation Canada	Hamilton, Ont.	Techno Sport Québec Inc.	Ste-Foy, Qué.
Oakcreek Developments Ltd.	Calgary, Alta.	Tennant Company	Minneapolis, MN, USA*
Oldham Batteries Canada Inc.	St-Léonard, Qué.	Tesco Trading Co. Ltd.	Richmond, B.C.
Ontario Bus Industries Inc.	Mississauga, Ont.	The Battery Sell Co. Ltd.	Oakville, Ont.
Paccar du Canada Ltée	Ste-Thérèse, Qué.	Toro Canada Ltd.	Steinbach, Man.
Par Equipment Ltd.	Winnipeg, Man.	Torvan Motorsports Co. Ltd.	Scarborough, Ont.
Polaris Industries Inc.	Winnipeg, Man.	Toyota Canada Inc.	Scarborough, Ont.
Powell Equipment Ltd.	Winnipeg, Man.	Turf Care Products Limited	Markham, Ont.
Prairie Motorcycle Ltd.	Regina, Sask.	U-Haul Company of Canada Ltd.	Stoney Creek, Ont.
Prelco Electronics Ltd.	Montréal, Qué.	Volkswagen Canada Inc.	Scarborough, Ont.
Prévost Car Incorporé	Ste-Claire, Qué.	Volvo (Canada) Limited	Halifax, N.S.
		Wayne's Battery Shop Ltd.	Willowdale, Ont.
		Westrock Battery & Auto Supply Ltd.	Saskatoon, Sask.
		Yamaha Motor Canada Ltd.	Winnipeg, Man.
			Willowdale, Ont.

\* Non-resident importer

PART G

WET CELL STORAGE BATTERIES, INDUSTRIAL MOTIVE  
POWER/TRACTION AND NOT ELSEWHERE SPECIFIED (111-88)



PART G: WET CELL STORAGE BATTERIES, INDUSTRIAL

MOTIVE POWER/TRACTION AND NOT ELSEWHERE SPECIFIED

SCOPE

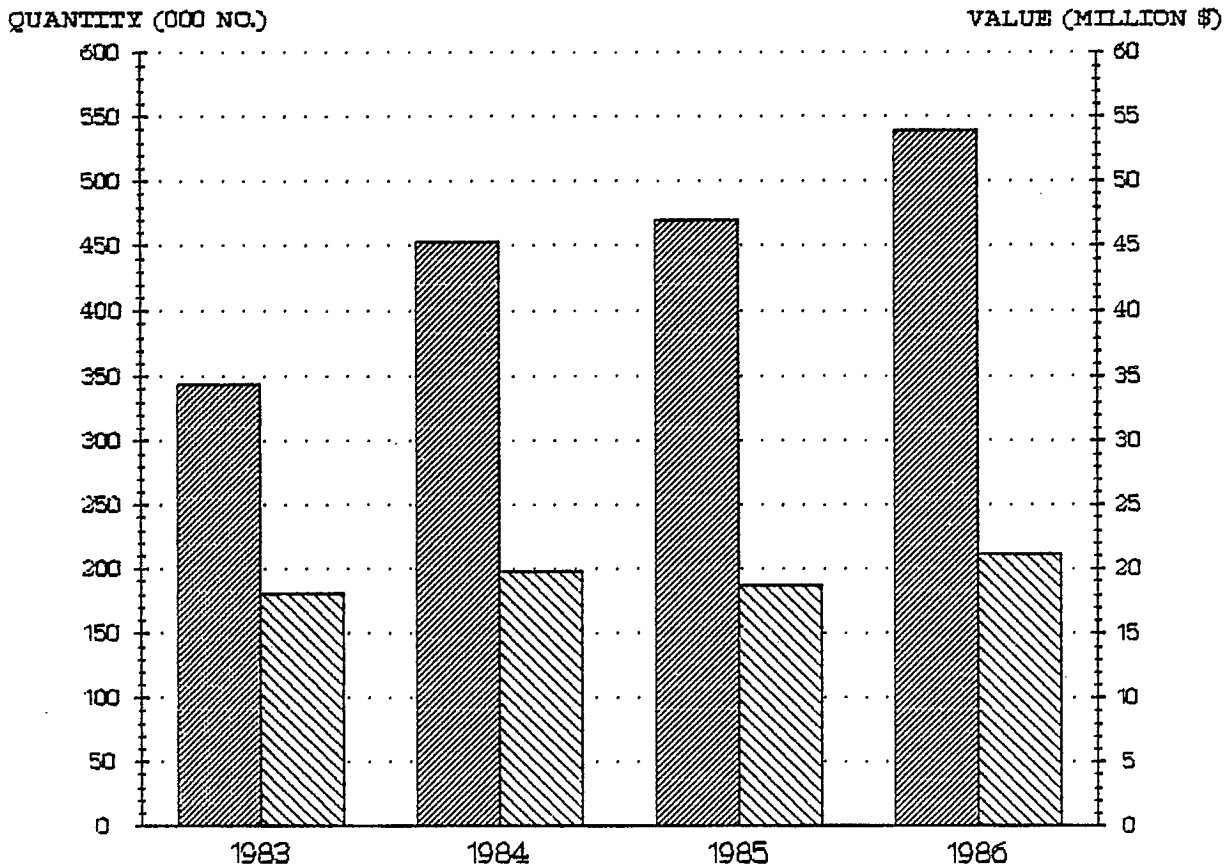
This part of the report analyses imports of wet cell storage batteries, classified to the two following import commodity codes of the Canadian International Trade Classification (C.I.T.C.):

<u>Code</u>	<u>Description</u>
693-29-40	Batteries, Storage, Industrial Motive Power/Traction
693-29-90	Batteries, Storage, Wet Cells, Not Elsewhere Specified e.g. - Accumulators/Batteries/Electric, Not Elsewhere Specified - Batteries, Dry Charge, Not Elsewhere Specified - Batteries, Lead Acid, Not Elsewhere Specified - Batteries, Storage, Aircraft, Not Elsewhere Specified - Batteries, Storage, Sea Water Activated

NOTE: In this Part, the term "storage batteries" means wet cell storage batteries, not elsewhere specified, including industrial motive power/traction.



PART G: WET CELL STORAGE BATTERIES, INDUSTRIAL  
MOTIVE POWER/TRACTION AND NOT ELSEWHERE SPECIFIED  
IMPORT TRENDS: OVERVIEW



■	QUANTITY	344	453	470	539
▨	VALUE	18.1	19.8	18.7	21.1

From 1983 to 1986, the volume of imports of storage batteries grew significantly. The volume of imports rose continuously from 344 000 units in 1983 to 539 000 units in 1986.

The value of imports increased from \$18.1 million in 1983 to \$19.8 million in 1984, dropped to \$18.7 million in 1985, and increased again to \$21.1 million in 1986.

PART G: WET CELL STORAGE BATTERIES, INDUSTRIAL

MOTIVE POWER/TRACTION AND NOT ELSEWHERE SPECIFIED

IMPORTS TO CANADA BY MAJOR FOREIGN COUNTRY OF EXPORT

Foreign Country of Export	1983	1984	1985	1986	Unit Price 1986 \$	Average Annual Growth Rate	Per Cent Change 1985-1986
						1983-1986 %	
<b>UNITED STATES</b>							
Quantity ('000 No.)	325	364	344	286		-4	-17
Value (\$000)	15 921	17 312	14 428	12 604	44.00	-7	-13
<b>FEDERAL REPUBLIC OF GERMANY</b>							
Quantity ('000 No.)	5	5	7	6		4	-17
Value (\$000)	1 321	185	470	2 235	403.58	19	376
<b>UNITED KINGDOM</b>							
Quantity ('000 No.)	1	7	12	106		395	749
Value (\$000)	43	416	1 630	1 836	17.38	250	13
<b>SWEDEN</b>							
Quantity ('000 No.)	5	5	5	6		3	22
Value (\$000)	619	1 013	806	1 352	241.34	30	68
<b>JAPAN</b>							
Quantity ('000 No.)	6	61	55	74		132	35
Value (\$000)	111	536	606	1 149	15.49	118	90
<b>OTHER</b>							
Quantity ('000 No.)	2	11	47	62		226	30
Value (\$000)	74	382	732	1 961	31.79	198	168
<hr/>							
<b>TOTAL</b>							
Quantity ('000 No.)	344	453	470	539		16	15
Value (\$000)	18 089	19 844	18 672	21 137		5	13
Unit Price(\$)	52.61	43.78	39.70	39.21			

Between 1983 and 1986, the United States was the main exporter to Canada of storage batteries. Its volume of exports totalled 286 000 units, or 53.1 per cent of Canadian imports in 1986. In the same year, the value of U.S. exports was \$12.6 million, or 59.6 per cent of total imports. The Federal Republic of Germany was a distant second exporter in rank with 6 000 units, or one per cent of total imports, and \$2.2 million, or 10.6 per cent of the total value of Canadian imports in 1986.

The unit price varies considerably from year to year and from country to country. This variety is accounted for by the different end uses of these batteries.

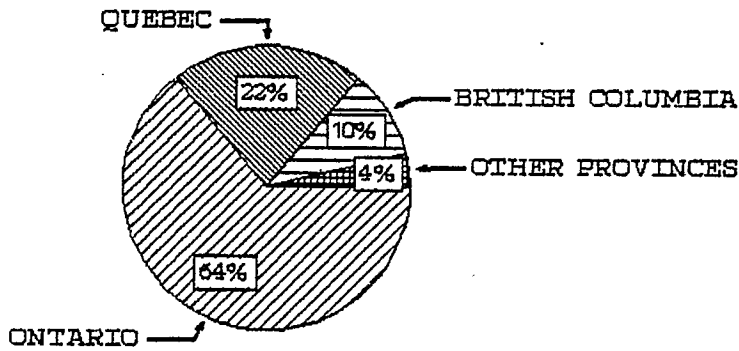
PART G: WET CELL STORAGE BATTERIES, INDUSTRIAL

MOTIVE POWER/TRACTION AND NOT ELSEWHERE SPECIFIED

IMPORTS BY PROVINCE OF CLEARANCE

1986

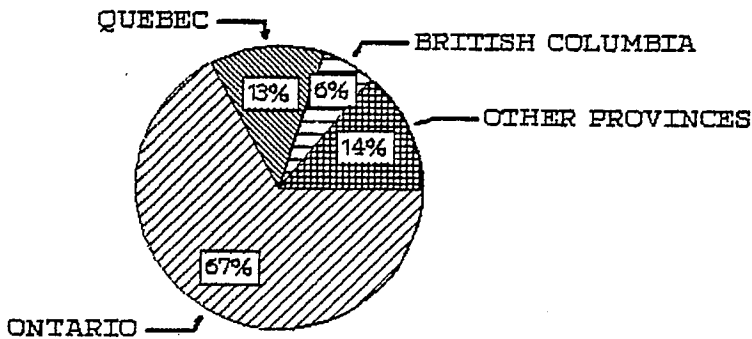
QUANTITY



100% = 539 077 units

In 1986, the main province of clearance for imports of storage batteries was Ontario. This province accounted for 343 000 batteries, or 64 per cent of total imports. Québec was second in rank with 123 000 batteries, or 22 per cent, followed by British Columbia with 54 000 batteries, or 10 per cent of Canadian imports.

VALUE



100% = \$21.1 million

In terms of value, Ontario accounted for \$14.1 million, or 67 per cent of total imports, followed by Québec with \$2.7 million, or 13 per cent, and British Columbia with \$1.2 million, or six per cent.

NOTE: For more detailed data on imports by major foreign countries of export and provinces of clearance, see Appendix A, page 100.

PART G: WET CELL STORAGE BATTERIES, INDUSTRIAL

MOTIVE POWER/TRACTION AND NOT ELSEWHERE SPECIFIED

IMPORT MARKET CONCENTRATION - 1986

	<u>Top 5 Importers</u>	<u>Top 10 Importers</u>	<u>Top 15 Importers</u>	<u>All Importers</u>
Value (\$000)	7 697	10 688	12 802	21 014
Per cent of Total Value	36	51	61	100

The top 10 importers of storage batteries accounted for \$10.7 million, or 51 per cent of total imports. Of these 10 firms, six were manufacturers and three were wholesalers. Nine of the 10 firms were located in Ontario.

NOTE: "Top importers" are the known importers with the largest imports by value in 1986.

TYPE AND LOCATION OF THE TOP 28 KNOWN IMPORTERS - 1986  
(75% OF TOTAL IMPORT VALUE)

	<u>MANUFACTURERS</u>		<u>WHOLESALERS</u>		<u>OTHER</u>		<u>TOTAL</u>	
	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>
Ontario	10	7 247	6	3 450	3	-	19	-
Québec	3	1 086*	1	1 035*	1	3 036**	5	15 854**
Western Provinces	1	-	2	-	1	-	4	-
Atlantic Provinces	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>14</b>	<b>8 386</b>	<b>9</b>	<b>4 485</b>	<b>5</b>	<b>3 036</b>	<b>28</b>	<b>15 854</b>

Per cent of 1986 Total Value	40	21	14	75
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\* Québec and Western Provinces aggregated to preserve confidentiality.

\*\* Ontario, Québec and Western Provinces aggregated to preserve confidentiality.

In 1986, there were at least 392 importers of storage batteries. The top 28 importers accounted for \$15.9 million, or 75 per cent of the total value. Of these 28 importers, 14 were manufacturers. Five of these 14 firms were manufacturers of storage batteries accounting for \$3.8 million, or 18 per cent of the total import value, and three produced dry and wet cell primary batteries, representing \$1.3 million, or six per cent of Canadian imports. Of the top 28 importers, nine were wholesalers, with \$4.5 million, or 21 per cent out of the import total. Six of the wholesalers were wholesalers of electrical and electronic apparatus, equipment and parts, representing \$2.4 million, or 11 per cent of total imports.

PART G: WET CELL STORAGE BATTERIES, INDUSTRIAL

MOTIVE POWER/TRACTION AND NOT ELSEWHERE SPECIFIED

IMPORTS BY MAJOR FOREIGN COUNTRY OF EXPORT AND PROVINCE OF CLEARANCE - 1986

<u>Foreign Country Of Export</u>	<u>Canada</u>	<u>Nfld.</u>	<u>N.S.</u>	<u>N.B.</u>	<u>Qué.</u>	<u>Ont.</u>	<u>Man.</u>	<u>Sask.</u>	<u>Alta.</u>	<u>B.C.</u>
<b>UNITED STATES</b>										
Quantity ('000 No.)	286	0	*	*	38	201	6	1	11	30
Value (\$000)	13 604	0	56	30	2 125	9 211	494	145	657	885
<b>FEDERAL REPUBLIC OF GERMANY</b>										
Quantity ('000 No.)	6	0	*	0	2	4	0	0	0	-
Value (\$000)	2 235	0	1 697	0	327	210	0	0	0	-
<b>UNITED KINGDOM</b>										
Quantity ('000 No.)	106	0	*	0	79	27	0	0	*	*
Value (\$000)	1 836	0	28	0	122	1 665	0	0	14	7
<b>SWEDEN</b>										
Quantity ('000 No.)	6	0	0	0	0	6	0	0	0	-
Value (\$000)	1 352	0	0	0	0	1 352	0	0	0	-
<b>JAPAN</b>										
Quantity ('000 No.)	74	0	0	0	4	47	0	0	0	23
Value (\$000)	1 149	0	0	0	57	786	0	0	0	306
<b>OTHER</b>										
Quantity ('000 No.)	62	*	0	0	*	58	0	0	0	1
Value (\$000)	961	*	0	0	53	891	0	0	0	15
<b>TOTAL</b>										
Quantity ('000 No.)	539	*	1	*	123	343	6	1	11	54
Value (\$000)	21 137	1	1 782	30	2 684	14 115	494	145	671	1 213

\* Less than 500 units or \$500.

NOTE: Prince Edward Island reports no imports.

PART G: WET CELL STORAGE BATTERIES, INDUSTRIAL

MOTIVE POWER/TRACTION AND NOT ELSEWHERE SPECIFIED

CANADIAN TARIFFS

Tariff Item	Description	% of Total Import Value (1986)	Tariff Treatment					
			British Prefer- ential Tariff %	Most Favoured Nation Tariff %	General Tariff %	General Prefer- ential Tariff %	U.K. and Ireland %	
44512-01	Electric and galvanic batteries, n.o.p., and complete parts thereof, including separator walls of wood, cut to size or not:							
	January 1, 1986	85	11.7	11.7	27.5	7.5	11.7	
	January 1, 1987		10.8	10.8	27.5	7.0	10.8	
44059-01	Batteries for use in aircraft							
	January 1, 1986	9	Free	Free	27.5	Free	Free	

N.o.p. - Not otherwise provided for

Tariff Arrangements and Foreign Countries of Export:

Exporting countries which qualify for the Most Favoured Nation tariff treatment: United States, Federal Republic of Germany, Sweden, Japan

Exporting country which qualifies for the Most Favoured Nation tariff treatment or U.K. and Ireland tariff treatment: United Kingdom

ENQUIRIES CONCERNING TARIFFS SHOULD BE DIRECTED TO THE NEAREST CUSTOMS AND EXCISE OFFICE OR TO:

TARIFF PROGRAMS  
REVENUE CANADA  
CUSTOMS AND EXCISE  
OTTAWA, ONTARIO  
K1A 0L5  
TEL: (613) 954-6996

PART G: WET CELL STORAGE BATTERIES, INDUSTRIAL

MOTIVE POWER/TRACTION AND NOT ELSEWHERE SPECIFIED

CANADIAN IMPORTERS

Importers of wet cell storage batteries, during 1986, as indicated in this report, are listed below in alphabetical order. This list includes all importers except individuals and a minimal number of importers whose names were not available. The numbers in brackets following the names of the importers indicate the specific types of batteries they are importing as follows: (1) industrial motive power/traction; (2) not elsewhere specified.

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
116844 Canada Limited(2)	Downsview, Ont.	Beckman Instruments Canada	
A B A Chemical Ltd.(2)	Guelph, Ont.	Inc.(2)	Toronto, Ont.
A C Simmonds & Sons Ltd.(2)	Pickering, Ont.	Bell & Howell Ltd.(2)	Weston, Ont.
A E L Microtel Ltd.(2)	Vancouver, B.C.	Bendix Avelex Inc.(2)	Montréal, Qué.
A M P of Canada Ltd.(2)	Markham, Ont.	Bendix Electronics Limited(2)	Chatham, Ont.
A S A Leasing Div., A S A		Bennett Pump Canada Ltd.(2)	Bramalea, Ont.
Corporation Limited(2)	Don Mills, Ont.	Berlet Electronics Limited(2)	Mississauga, Ont.
Aanderaa Instruments Ltd.(2)	Victoria, B.C.	Bernard Marks & Company Ltd.(2)	Toronto, Ont.
Abbott Laboratories Limited(2)	Montréal, Qué.	Beta Electronics Ltd.(2)	Edmonton, Alta.
Accessory House Ltd.(2)	Riverview, N.B.	Bomag Canada, A Unit of AMCA	
Acfield Aviation Supplies		International Limited(2)	Mississauga, Ont.
Ltd.(2)	Mississauga, Ont.	Bombardier Inc.(2)	La Pocatière, Qué.
Ainsworth Electric Company		Boyes Sehmer Ltd.(2)	Victoria, B.C.
Ltd.(2)	Toronto, Ont.	Brian Engineering Ltd.(2)	Mont-Royal, Qué.
Air Canada Inc.(2)	Winnipeg, Man.	Bristol Aerospace Ltd.(2)	Winnipeg, Man.
Air Dynamics Co. Ltd.(2)	Beaconsfield, Qué.	C & B Batteries Ltd.(2)	New Westminster, B.C.
Air Niagara (1978) Ltd.(1)(2)	Mississauga, Ont.	C & D Batteries of Canada(2)	Montréal, Qué.
Allied-Signal Canada Inc.(2)	Rexdale, Ont.	C A E Electronics Ltd.(2)	St-Laurent, Qué.
Alpha Technologies Ltd.(2)	Burnaby, B.C.	C D Nova Ltd.(2)	Burnaby, B.C.
Aluminum Company of Canada		C G R Canada Ltée(2)	St-Laurent, Qué.
Ltd.(2)	Kingston, Ont.	C T S of Canada Ltd.(2)	Streetsville, Ont.
American Airlines		Can-Am Instrument Ltd.(2)	Mississauga, Ont.
Incorporated(2)	Tulsa, OK, USA*	Can-Am Telecommunications	
Amoco Fabrics Ltd.(2)	Brantford, Ont.	Associates Inc.(2)	Markham, Ont.
Apex Parametrics Limited(2)	Uxbridge, Ont.	Can-Con Gas Services Ltd.(2)	Edmonton, Alta.
Applied Electronics Ltd.(2)	Toronto, Ont.	Canada Commercial Battery	
Ariens Canada Ltd.(2)	Oakville, Ont.	Limited(2)	Mississauga, Ont.
Aritech Inc.(2)	Mississauga, Ont.	Canadair Ltd.(2)	St-Laurent, Qué.
Arri/Nagra Inc.(2)	Mississauga, Ont.	Canadian Battery Corp. Ltd.(2)	Richmond, B.C.
Atkins & Hoyle Ltd.(2)	Toronto, Ont.	Canadian General Electric Co.	
Auto Marine Electric Ltd.(2)	Vancouver, B.C.	Ltd.(2)	Toronto, Ont.
Aviall (Canada) Ltd.(2)	Dallas, TX, USA*	Canadian Marconi Company Ltd.(2)	Montréal, Qué.
B C Medical Equipment Ltd.(2)	Vancouver, B.C.	Canadian Pacific Airlines	
B W B Battery (Corp.) Ltd., O/A		Ltd.(2)	Vancouver, B.C.
The Battery Shop(2)	Calgary, Alta.	Canadian Tire Corporation	
Banco Canada Inc.(2)	Montréal, Qué.	Ltd.(2)	Toronto, Ont.
Batronics Inc.(2)	Maple, Ont.	Canon Canada Inc.(2)	Mississauga, Ont.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Cansec Electronics Ltd.(2)	Winnipeg, Man.	Eastern Air Lines Inc.(2)	Miami, FL, USA*
Cantech Corporation(2)	Calgary, Alta.	Eastern Provincial Airways	
Cantel Inc.(2)	Toronto, Ont.	Limited(2)	Vancouver, B.C.
Caterpillar of Canada Ltd.(2)	Mississauga, Ont.	Eco Environment Products Ltd.(2)	Edmonton, Alta.
Caveco Equipment Ltd.(2)	Scarborough, Ont.	Edwards, A Unit of General	
Centre MSP Reg'd(2)	Montréal, Qué.	Signals Limited(2)	Owen Sound, Ont.
Champion Road Machinery		Eldon Industries of Canada	
Limited(2)	Goderich, Ont.	Inc.(2)	Markham, Ont.
Chesters Industrial Tool		Electro Sonic Inc.(2)	Willowdale, Ont.
Supply Ltd.(2)	Calgary, Alta.	Electro Vox Incorporated(2)	Montréal, Qué.
Chloride Canada Ltd.(2)	Mississauga, Ont.	Electrolux Canada, Div. of Sara	
Chrysler Canada		Lee Ltd. of Canada(2)	Montréal, Qué.
Limited(1)	Windsor, Ont.	Eli Lilly Canada Inc.(2)	Scarborough, Ont.
Cinequip Inc.(2)	Toronto, Ont.	Emerson Electric Canada Ltd.(2)	Markham, Ont.
Cité Électronique (1979) Inc.(2)	Montréal, Qué.	Enmet Canada Ltd.(2)	Mississauga, Ont.
Clarke Floor Equipment, Div.		Enterprises Jobec Co. Ltd.(2)	Montréal, Qué.
of Cooper Industries		Equivet Limited(2)	Glencoe, Ont.
Canada(2)	Muskegon, MI, USA*	Esden Limited(2)	Don Mills, Ont.
Classic Cleaning Supplies		Esso Resources Canada Limited(2)	Don Mills, Ont.
Ltd.(2)	Calgary, Alta.	Euclid Canada Limited(2)	Guelph, Ont.
Clay Equipment Corp.(2)	Georgetown, Ont.	Exide Canada Corp.(2)	Mississauga, Ont.
Closed Loop Sales Inc.(2)	Aurora, Ont.	Exide Electronics Canada Inc.(2)	Mississauga, Ont.
Comad Communications Ltd.(2)	Mississauga, Ont.	Extel Communications (Canada)	
Compagnie Générale de		Limited(2)	Markham, Ont.
Géophysique(2)	Calgary, Alta.	Farinon Electric of Canada	
Computalog Gearhart Ltd.(2)	Calgary, Alta.	Ltd.(2)	Dorval, Qué.
Cooper Tool, a Division of		Federal Battery Dist. Ltd.(2)	Richmond, B.C.
Cooper Industries (Canada)		Federal Pioneer Ltd.(2)	Toronto, Ont.
Inc.(2)	Barrie, Ont.	Feed-Rite Ltd.(2)	Winnipeg, Man.
Copel Inc.(2)	Montréal, Qué.	Fifth Wheel Truck Stops Ltd.(2)	Milton, Ont.
Corpac Canada Ltd.(2)	Calgary, Alta.	Finning Tractor Co. Limited(1)	Vancouver, B.C.
De Havilland Aircraft of Can.		Fischer Medical Systems	
Ltd.(2)	Downsview, Ont.	Corporation(2)	Langley, B.C.
Deutz-Allis Corporation Canada		Ford Motor Company of	
Ltd.(2)	Mississauga, Ont.	Canada Ltd.(2)	Oakville, Ont.
Digidyne Inc.(2)	Lachine, Qué.	Fortress Allatt Limited(2)	Downsview, Ont.
Digital Equipment Co. Ltd.(2)	Kanata, Ont.	Fortress Scientific Limited(2)	Downsview, Ont.
Direct Equipment Ltd.(2)	Oakville, Ont.	Foxboro Canada Inc.(2)	Montréal, Qué.
Dollard Electronics Ltd.(2)	Vancouver, B.C.	Fred Walker Golf Car Sales &	
Dome Petroleum Ltd.(2)	Calgary, Alta.	Service Ltd.(2)	North Vancouver, B.C.
Doncaster Medical Supplies		Frontier Helicopters Ltd.(2)	Abbotsford, Ont.
Limited(2)	Markham, Ont.	G E C Canada Ltd.(2)	Mississauga, Ont.
Dresser Canada Inc.(2)	Candiac, Qué.	G H Wood & Company Ltd.(2)	Toronto, Ont.
Due West Sales Inc.(1)	North Vancouver, B.C.	GNB Batteries (Canada)	
Duncan Instruments Canada		Inc.(1)(2)	Fort Erie, Ont.
Ltd.(2)	Weston, Ont.	Gallagher Power Fencing	
Duracell Inc.(2)	Mississauga, Ont.	Systems Inc.(2)	Owen Sound, Ont.
Dustbane Products Ltd.(2)	Ottawa, Ont.	General Battery Corp.(2)	Mississauga, Ont.



CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
General Electric Medical Systems Limited(2)	Milwaukee, WI, USA*	Kilpatrick Investment Ltd., O/A Kilpatrick Communications & Co.(2)	Weston, Ont.
General Motors of Canada Ltd.(2)	Oshawa, Ont.	Kimball Systems, Div. of Litton Canada Inc.(2)	Toronto, Ont.
Geodimeter of Canada Ltd.(2)	Toronto, Ont.	L A Varah Ltd.(2)	Vancouver, B.C.
Geophysical Service Incorporated(2)	Richmond Hill, Ont.		Calgary, Alta.
Geophysical Services Inc.(2)	Calgary, Alta.	L S Starrett Company of Canada Ltd.(2)	Mississauga, Ont.
Gilbarco Canada Ltd.(2)	Brockville, Ont.	LEQ Measurements Limited(2)	Brampton, Ont.
Glenayre Electronics Ltd.(2)	Vancouver, B.C.	La Cie de Batteries Commerciales Ltée(2)	Pointe-Claire, Qué.
Gorman-Rupp of Canada Ltd.(2)	St. Thomas, Ont.	La Coopérative Fédérée de Québec(2)	Montréal, Qué.
Goulet Aircraft Supply Ltd.(2)	Winnipeg, Man.	Laboratoire Choiry Ltée(2)	Louiseville, Qué.
Grace Trading Company(2)	Scarborough, Ont.	Lee Valley Tools Ltd.(2)	Ottawa, Ont.
Great West Imports Ltd.(2)	Richmond, B.C.	Lenbrook Industries Limited(2)	Pickering, Ont.
Grid Systems Canada Inc.(1)(2)	Toronto, Ont.	Leonard Electric (1981) Limited(2)	Mississauga, Ont.
Guillevin International Inc.(2)	St-Laurent, Qué.	Les Batteries Électriques Gagnon Inc.(2)	St-Léonard, Qué.
Hafner Fabrics of Canada Ltd.(1)	Granby, Qué.	Les Extincteurs Aérofeu Ltée(2)	Longueuil, Qué.
Halo of Canada Lighting Incorporated(2)	Mississauga, Ont.	Levitt Safety Eastern Ltd.(2)	Toronto, Ont.
Harry Geen Associates Limited(2)	Scarborough, Ont.	Lindair Services Ltd.(2)	Richmond, B.C.
Heath Company, Div. of Zenith Radio Canada Limited(2)	Toronto, Ont.	Litton Systems (Canada) Ltd.(2)	Rexdale, Ont.
Hewitt Equipment Ltd.(2)	Montréal, Qué.	Loonam Computer Products (Canada) Inc.(2)	Mississauga, Ont.
Hobbycraft Canada, Div. of Canadian Hobbycraft Ltd.(2)	Rexdale, Ont.	Lumacell Inc.(2)	Scarborough, Ont.
Honda Canada Incorporated(2)	Scarborough, Ont.	Lynx Industries Inc.(2)	St-Lambert, Qué.
Hoskin Scientific (Western) Ltd.(2)	Vancouver, B.C.	M S A Canada Incorporated(2)	Downsview, Ont.
Howe Richardson Inc.(2)	Pointe-Claire, Qué.	M T I Canada Ltd.(2)	Mississauga, Ont.
Hudson General Aviation Service Inc.(2)	Montréal, Qué.	MTD Products Canada, O/P by Sehl Engineering Limited(2)	Kitchener, Ont.
Hugin Sweda Inc.(2)	Mississauga, Ont.	Makita Power Tools Canada Ltd.(2)	Whitby, Ont.
Hyster Canada Ltd.(2)	Malton, Ont.	Marine Equipment Ltd.(2)	Halifax, N.S.
IDI Electric (Canada) Ltd.(2)	Ajax, Ont.	Marrs Leisure Products (1977) Inc.(2)	Winnipeg, Man.
Infinity Trading Company Ltd.(2)	Burnaby, B.C.	Matrix Technology Limited(2)	Markham, Ont.
Innomed Imaging Ltd.(2)	Edmonton, Alta.	Matrox Electronic System Ltd.(2)	Dorval, Qué.
Innotech Aviation Ltd.(2)	Dorval, Qué.	Matsushita Electric of Canada Limited(2)	Mississauga, Ont.
Interfax Systems Inc.(2)	Montréal, Qué.	Matsushita Industrial Canada Limited(2)	Toronto, Ont.
Intertechnology Ltd.(2)	Don Mills, Ont.	McCurdy Radio Industries Ltd.(2)	Toronto, Ont.
J H Ryder Machinery Limited(1)(2)	Toronto, Ont.	McGraw-Edison Power Systems, A Div. of Cooper Ind. (Canada) Inc.(2)	Willowdale, Ont.
J I Case Company (2)	Hamilton, Ont.		
Jaguar Canada Inc.(2)	Bramalea, Ont.		
Jerome & Francis Co.(2)	North Vancouver, B.C.		
John Deere Ltd.(2)	Grimsby, Ont.		
Johnson Controls Ltd.(2)	Markham, Ont.		
Kaufel Group Ltd.(2)	Dorval, Qué.		

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
McGraw-Edison Service, C/O Cooper Ind. (Canada) Inc.(2)	Burlington, Ont.	Ontario Battery Services Co.(2)	Rexdale, Ont.
McHugh Electronics Limited(2)	Pickering, Ont.	Ontario Drive & Gear Ltd.(2)	New Hamburg, Ont.
McWaters Films(2)	Toronto, Ont.	Ontario Laser Rentals Ltd.(2)	Bolton, Ont.
Mechron Energy Ltd.(2)	Ottawa, Ont.	Optex Corporation(2)	Don Mills, Ont.
Medilogic Limited(2)	Rexdale, Ont.	Otis Canada Inc.(2)	Oakville, Ont.
Melroe Equipment Ltd.(2)	St. Thomas, Ont.	P E A C Media Research Inc.(2)	Don Mills, Ont.
Menceles Management Ltd.(2)	North York, Ont.	P M S Hobbycraft Ltd.(2)	Calgary, Alta.
Mercury Marine Ltd.(2)	Mississauga, Ont.	Pacific Western Airlines Ltd.(2)	Vancouver, B.C.
Miles Laboratories Ltd.(2)	Rexdale, Ont.	Panavision Canada Ltée(2)	Montréal, Qué.
Mitel Corporation(2)	Kanata, Ont.	Patlon Aircraft & Industries Ltd.(2)	Mississauga, Ont.
Mitsubishi Electric Sales Canada Inc.(2)	Markham, Ont.	Peachtree Marketing Inc.(2)	Scarborough, Ont.
Monte Scientific Instruments Inc.(2)	Montréal, Qué.	Pentax Canada Inc.(2)	Vancouver, B.C.
Montgomery Kone Elevator Co. Limited(2)	Toronto, Ont.	Peterboro Guns Limited(2)	Peterborough, Ont.
Montreal Sales Promotion Ltd.(2)	Pointe-Claire, Qué.	Petro-Canada Inc.(2)	Calgary, Alta.
Montreuil Electro Inc.(2)	St-Laurent, Qué.	Philips Electronics Ltd.(2)	Scarborough, Ont.
Motorola Canada Limited, Communications Div.(2)	North York, Ont.	Philips Information Systems Ltd.(2)	St-Laurent, Qué.
N E C Canada Inc.(2)	Mississauga, Ont.	Picker International Canada Inc.(2)	Bramalea, Ont.
Narco Medical Services, Div. of Air-Shields (Canada) Ltd.(1)(2)	Downsview, Ont.	Pointer Avionics, O/B Pointer Electronic Industries Limited(2)	Mississauga, Ont.
National Mine Service (Canada) Ltd.(2)	Indiana, PA, USA*	Polaris Industries Inc.(2)	Winnipeg, Man.
National Semiconductor Canada Limited(2)	Rexdale, Ont.	Powell Equipment Ltd.(2)	Winnipeg, Man.
National Typewriter & Office Equipment Ltd.(2)	Winnipeg, Man.	Power Battery (Iberville) Ltée(2)	Iberville, Qué.
Nokia Products Limited(2)	Ajax, Ont.	Power Battery Sales Ltd.(2)	Scarborough, Ont.
Norand Corporation(2)	Cedar Rapids, IA, USA*	Prelco Electronics Ltd.(1)(2)	Montréal, Qué.
Noranda Mines Ltd.(2)	Toronto, Ont.	Prestige Electronics Corp.(2)	Rexdale, Ont.
Nord-AM Watch (Toronto) Ltd.(2)	Toronto, Ont.	Procam Photo Products (Canada) Inc.(2)	Toronto, Ont.
Norman Wade Company Ltd.(2)	Scarborough, Ont.	Produits de Sécurité A B C Inc.(2)	St-Laurent, Qué.
Nortech Control Equipment Inc.(2)	Etobicoke, Ont.	Pylon Electronic Development Company Ltd.(2)	Nepean, Ont.
Northern Telecom Canada Limited(2)	Islington, Ont.	Pyrotronics Canada Ltd.(2)	Richmond Hill, Ont.
Northwest Airlines Incorp.(2)	St. Paul, MN, USA*	Québecair Incorporated(2)	St-Laurent, Qué.
Norton Canada Incorp.(2)	Calgary, Alta.	Queens University(2)	Kingston, Ont.
Novatel Communications Ltd.(2)	Calgary, Alta.	R Nicholls Distributors Inc.(2)	Montréal, Qué.
O E M Battery Systems Ltd.(2)	Surrey, B.C.	R Wilcox Avionics Limited(2)	Enfield, N.S.
Oil Patch Group Inc.(2)	Edmonton, Alta.	Racal (Canada) Limited(2)	Ottawa, Ont.
Olivetti Canada Limited(2)	Markham, Ont.	Rapco Equipment Inc.(2)	St-Laurent, Qué.
Omnium Medical Devices of Canada Inc.(2)	Richmond Hill, Ont.	Raymond Industrial Equipment Limited(2)	Brantford, Ont.
		Ready-Lite Mfg. Ltd.(2)	Victoria, B.C.
		Ritow Industries Ltd.(2)	Vancouver, B.C.
		Rockwell International of Canada Ltd.(2)	Toronto, Ont.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
RoIm Canada Inc.(2)	Willowdale, Ont.	Tektronix Canada Inc.(2)	Barrie, Ont.
Rosemount Instruments Ltd.(2)	Calgary, Alta.	Tele-Radio Systems Ltd.(2)	Woodbridge, Ont.
Russell Brothers Limited(2)	Owen Sound, Ont.	Tenaquip Limited(2)	Lachine, Qué.
S D S (Security Distribution Services) Inc.(2)	Toronto, Ont.	Tennant Company(2)	Minneapolis, MN, USA*
Sab Nife Corporation(2)	Scarborough, Ont.	Tesco Trading Co. Ltd.(2)	Richmond, B.C.
Safety Supply Canada Ltd.(2)	Richmond Hill, Ont.	The Alexander Battery Corporation(2)	Ottawa, Ont.
Saft Batteries Ltée(2)	Scarborough, Ont.	The Credit Valley Hospital Inc.(2)	Mississauga, Ont.
Sanford Battery Manufacturing Limited(2)	Hamilton, Ont.	Tie Communications Canada Limited(2)	Markham, Ont.
Sanyo Canada Inc.(2)	Toronto, Ont.	Trane Company of Canada Ltd.(2)	Toronto, Ont.
Sceptre Yachts Ltd.(2)	Richmond, B.C.	Travenol Canada Inc.(1)(2)	Mississauga, Ont.
Schering Canada Inc.(2)	Pointe-Claire, Qué.	Treck Photographic of Canada Limited(2)	Toronto, Ont.
Schlichters Limited(2)	Kitchener, Ont.	Trio-Kenwood Canada Inc.(2)	Mississauga, Ont.
Scrubking Manufacturing Ltd.(2)	Richmond Hill, Ont.	Turf Care Products Limited(2)	Markham, Ont.
Sedpex Inc.(2)	St. John's, Nfld.	Turfquip Inc.(2)	Longueuil, Qué.
Sharp Electronics of Canada Ltd.(2)	Mississauga, Ont.	Udisco Ltd.(2)	Montréal, Qué.
Siemens Electric Limited(2)	Mississauga, Ont.	University of Regina(2)	Regina, Sask.
Simplex International Time Equipment Co. Ltd.(2)	Mississauga, Ont.	VME Equipment of Canada Ltd.(2)	St. Thomas, Ont.
Simpsons-Sears Ltd.(2)	Toronto, Ont.	Van Dusen Aircraft Supplies Ltd.(2)	Winnipeg, Man.
Sinclair Radio Labs Ltd.(2)	Aurora, Ont.	Varta Batteries Ltd.(2)	Willowdale, Ont.
Société Distribution Alertech Inc.(2)	St-Laurent, Qué.	Vipond Automatic Sprinkler Company Ltd.(2)	Mississauga, Ont.
Sola Canada, O/B General Signal Limited(2)	Toronto, Ont.	Volkswagen Canada Inc.(2)	Scarborough, Ont.
Sony of Canada Ltd.(2)	Willowdale, Ont.	W Carsen & Company Limited(2)	Don Mills, Ont.
Southern Music Ltd.(2)	Calgary, Alta.	Weber Marking Systems (Canada) Ltd.(2)	Mississauga, Ont.
Sparton of Canada Ltd.(2)	London, Ont.	Westburne Industrial Enterprises Ltd.(2)	Montréal, Qué.
Speedex Mfg., a Div. of Magna Int'l (Canada) Inc.(2)	Concord, Ont.	Western Airlines Inc.(2)	Vancouver, B.C.
Sperry Inc.(2)	Mississauga, Ont.	Western Marine Company(2)	Vancouver, B.C.
Standard Aero Limited(1)(2)	Winnipeg, Man.	Westrock Battery & Auto Supply Ltd.(2)	Winnipeg, Man.
Star Wholesale Distributors Ltd.(2)	Burnaby, B.C.	Westronic Systems Ltd.(2)	Calgary, Alta.
Stelco Inc.(2)	Hamilton, Ont.	Whonnock Industries Ltd., Forestry & Logging Group(2)	Vancouver, B.C.
Stored Energy Batteries & Systems Inc.(2)	Mississauga, Ont.	Wild Leitz Canada Limited(2)	Willowdale, Ont.
Sugra Limited(2)	Toronto, Ont.	Williams & Wilson Limited(2)	Montréal, Qué.
Sumitomo Canada Limited(2)	Vancouver, B.C.	Xantrex Technology Inc.(2)	North Vancouver, B.C.
Suzuki Canada Inc.(2)	Downsview, Ont.	Zenith Radio Canada Ltd.(2)	Toronto, Ont.
T C Electronics Canada Ltd.(2)	Dollard-des-Ormeaux, Qué.	Zierick Canada Corporation(2)	Concord, Ont.
Target Importers Inc.(2)	Toronto, Ont.		

\* Non-resident importer

**PART H**

PARTS AND SUPPLIES FOR BATTERIES,  
NOT ELSEWHERE SPECIFIED (112-88)



PART H: PARTS AND SUPPLIES FOR BATTERIES, NOT ELSEWHERE SPECIFIED

SCOPE

This part of the report analyses imports of parts and supplies for batteries, not elsewhere specified (NES), classified to the following import commodity code of the Canadian International Trade Classification (C.I.T.C.):

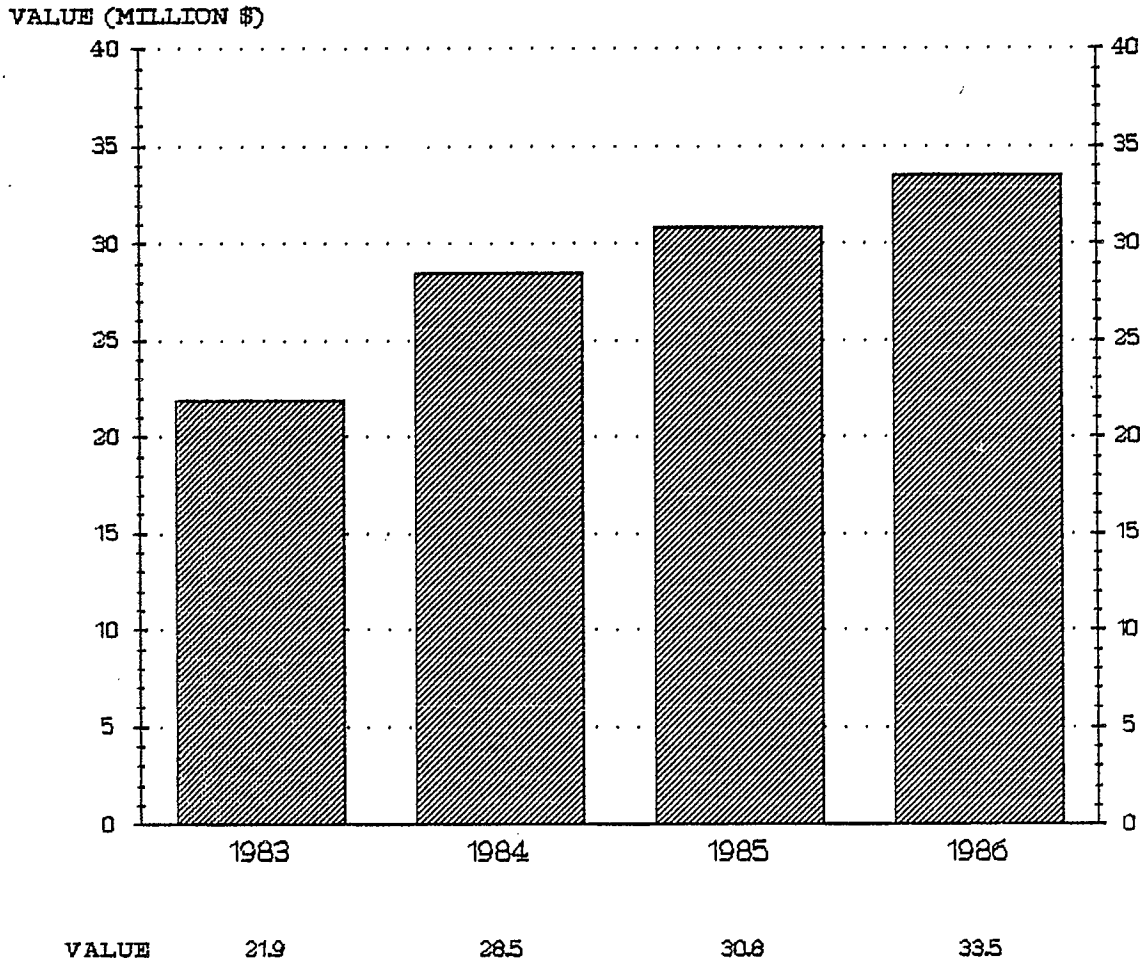
<u>Code</u>	<u>Description</u>
693-95-10	Batteries, Parts of, Not Elsewhere Specified  e.g. - Accumulators/Batteries/Parts of, Not Elsewhere Specified  - Batteries, Storage, Parts of, Not Elsewhere Specified  - Caps, Metal, Battery Parts  - Cells, Storage Battery Parts  - Connectors, Battery  - Jars, Glass, Battery Parts

This report excludes imports of Rubber Parts (326-09-10), Lead Plates (453-49-52), Carbon (477-16-10), Anode and Cathode (classified by material) and acid (classified by type).

NOTE: In this part, the term "battery parts" means "parts and supplies for batteries, not elsewhere specified."

PART H: PARTS AND SUPPLIES FOR BATTERIES, NOT ELSEWHERE SPECIFIED

IMPORT TRENDS: OVERVIEW



Between 1983 and 1986, the value of imports of battery parts increased at an average annual growth rate of 15 per cent, from \$21.9 million to \$33.5 million.

PART H: PARTS AND SUPPLIES FOR BATTERIES, NOT ELSEWHERE SPECIFIED

IMPORTS TO CANADA BY MAJOR FOREIGN COUNTRY OF EXPORT

<u>Foreign Country of Export</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>Average Annual Growth Rate 1983-1986 %</u>	<u>Per Cent Change 1985-1986</u>
UNITED STATES Value (\$000)	19 484	24 784	27 238	29 030	14	7
FRANCE Value (\$000)	1 224	1 982	1 718	2 700	30	57
UNITED KINGDOM Value (\$000)	665	1 039	902	479	-10	-47
FEDERAL REPUBLIC OF GERMANY Value (\$000)	123	82	156	359	43	130
BELGIUM, LUXEMBOURG Value (\$000)	26	17	254	242	110	-5
OTHER Value (\$000)	355	566	500	672	24	34
TOTAL Value (\$000)	21 877	28 470	30 768	33 482	15	9

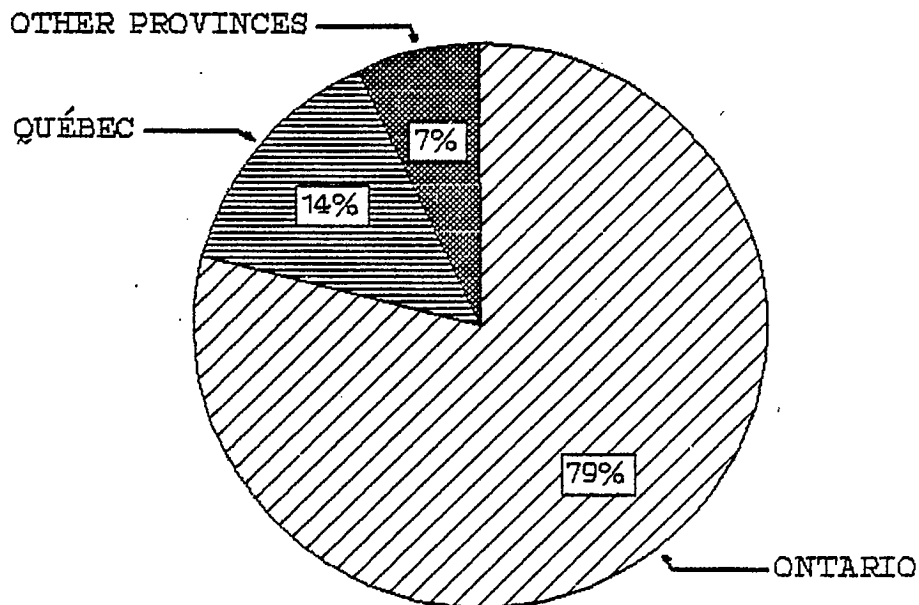
Between 1983 and 1986, the United States was the main exporter of battery parts to Canada. Its share of Canadian imports totalled \$29.0 million, or 86.7 per cent of total imports in 1986. France was a distant second with \$2.7 million, or 8.1 per cent of the 1986 total.



PART H: PARTS AND SUPPLIES FOR BATTERIES, NOT ELSEWHERE SPECIFIED

IMPORTS BY PROVINCE OF CLEARANCE

1986



100% = \$33.5 million

In 1986, Ontario was the main province of clearance for imports of battery parts with \$26.4 million, or 79 per cent of Canadian imports. Québec was the second ranking province of clearance with \$4.8 million, or 14 per cent of total imports. The remaining provinces accounted for \$2.3 million, or seven per cent of the total.

NOTE: For more detailed data on imports by major foreign countries of export and provinces of clearance, see Appendix A, page 114.

PART H: PARTS AND SUPPLIES FOR BATTERIES, NOT ELSEWHERE SPECIFIED

IMPORT MARKET CONCENTRATION - 1986

	<u>Top 5 Importers</u>	<u>Top 10 Importers</u>	<u>Top 15 Importers</u>	<u>All Importers</u>
Value (\$000)	18 546	26 588	29 044	33 482
Per cent of Total Value	55	79	87	100

The 10 major importers of battery parts accounted for \$26.6 million, or 79 per cent of the total imports. All of these firms were manufacturers. Seven of the top 10 importers were located in Ontario and three in Québec.

NOTE: "Top importers" are the known importers with the largest imports by value in 1986.

TYPE AND LOCATION OF THE TOP 17 KNOWN IMPORTERS - 1986  
(89% OF TOTAL IMPORT VALUE)

	<u>MANUFACTURERS</u>		<u>OTHER</u>		<u>TOTAL</u>	
	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>	<u>No. of Importers</u>	<u>Value (\$000)</u>
Ontario	8	22 714	2	994**	10	28 371**
Québec	3	4 663	1		4	
Western Provinces	2	1 294*	-	-	2	1 294*
Atlantic Provinces	1		-	-	1	
<b>TOTAL</b>	<b>14</b>	<b>28 671</b>	<b>3</b>	<b>994</b>	<b>17</b>	<b>29 665</b>

Per cent of 1986 Total Value	86	3	89
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\* Western Provinces and Atlantic Provinces aggregated to preserve confidentiality.

\*\* Ontario and Québec aggregated to preserve confidentiality.

There were at least 243 importers of battery parts in 1986. The top 17 importers accounted for \$29.7 million, or 89 per cent of the total import value. Fourteen of the 17 companies were manufacturers. Of these 14 manufacturers, seven were producers of storage batteries with imports totalling \$13.4 million, or 40 per cent of the total. Five of the 14 companies were manufacturers of dry and wet primary batteries accounting for \$9.7 million, or 29 per cent of the total imports.

PART H: PARTS AND SUPPLIES FOR BATTERIES, NOT ELSEWHERE SPECIFIED

IMPORTS BY MAJOR FOREIGN COUNTRY OF EXPORT AND PROVINCE OF CLEARANCE

1986

<u>Foreign Country Of Export</u>	<u>Canada</u>	<u>N.S.</u>	<u>P.E.I.</u>	<u>N.B.</u>	<u>Qué.</u>	<u>Ont.</u>	<u>Man.</u>	<u>Sask.</u>	<u>Alta.</u>	<u>B.C.</u>
UNITED STATES Value (\$000)	29 036	15	1	363	3 298	23 631	681	4	17	1 019
FRANCE Value (\$000)	2 700	0	0	0	1 326	1 374	0	0	0	0
UNITED KINGDOM Value (\$000)	479	90	0	0	0	389	0	0	0	0
FEDERAL REPUBLIC OF GERMANY Value (\$000)	359	7	0	0	184	160	7	0	0	0
BELGIUM, LUXEMBOURG Value (\$000)	242	0	0	0	0	242	0	0	0	0
OTHER Value (\$000)	672	2	0	0	3	623	1	0	2	43
<b>TOTAL</b> Value (\$000)	<b>33 482</b>	<b>114</b>	<b>1</b>	<b>363</b>	<b>4 811</b>	<b>26 419</b>	<b>689</b>	<b>4</b>	<b>19</b>	<b>1 062</b>

NOTE: Newfoundland reports no imports.

PART H: PARTS AND SUPPLIES FOR BATTERIES, NOT ELSEWHERE SPECIFIED

CANADIAN TARIFFS

Tariff Item	Description	% of Total Import Value (1986)	Tariff Treatment					
			British Prefer- ential Tariff %	Most Favoured Nation Tariff %	General Tariff %	General Prefer- ential Tariff %	U.K. and Ireland %	
44512-01	Electric and galvanic batteries, n.o.p., and complete parts thereof, including separator walls of wood, cut to size or not:							
	January 1, 1986	68	11.7	11.7	27.5	7.5	11.7	
	January 1, 1987		10.8	10.8	27.5	7.0	10.8	
44596-01	Parts or materials of plastic, rubber or glass fibres; lead washers; ground stone; all the foregoing for use in the manufacture of industrial lead acid batteries rated at 12 volts or greater, except 12 volts engine-starting batteries:							
	(Temporary tariff item: subject to annual review):	16	Free	Free	27.5	Free	Free	
48500-01	Metal caps, for use in the manufacture of electric batteries:							
	January 1, 1986	5	Free	Free	Free	Free	Free	
44643-01	Articles of iron, steel or nickel, or of which iron, steel or nickel are the component materials of chief value, for use in the manufacture of electric storage batteries:							
	January 1, 1986	4	7.2	7.2	20	4.5	7.2	
	January 1, 1987		6.8	6.8	20	4.5	6.8	

N.o.p. - Not otherwise provided for

PART H: PARTS AND SUPPLIES FOR BATTERIES, NOT ELSEWHERE SPECIFIED

CANADIAN TARIFFS (CONT'D)

Tariff Arrangements and Foreign Countries of Export:

Exporting countries which qualify for the Most Favoured Nation tariff treatment: United States, France, Federal Republic of Germany, Belgium, Luxembourg

Exporting country which qualifies for the Most Favoured Nation tariff treatment or U.K. and Ireland tariff treatment: United Kingdom

ENQUIRIES CONCERNING TARIFFS SHOULD BE DIRECTED TO THE NEAREST CUSTOMS AND EXCISE OFFICE OR TO:

TARIFF PROGRAMS  
REVENUE CANADA  
CUSTOMS AND EXCISE  
OTTAWA, ONTARIO  
K1A 0L5  
TEL: (613) 954-6996

PART H: PARTS AND SUPPLIES FOR BATTERIES, NOT ELSEWHERE SPECIFIED

CANADIAN IMPORTERS

Importers of battery parts during 1986, as indicated in this report, are listed below in alphabetical order. This list includes all importers except individuals and a minimal number of importers whose names were not available.

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
A C Brake & Battery Ltd.	Port Alberni, B.C.	Copel Inc.	Montréal, Qué.
A Deskin Sales Corporation	Markham, Ont.	Crestline Coach Ltd.	Saskatoon, Sask.
Air Canada Inc.	Winnipeg, Man.	Crothers Ltd.	Concord, Ont.
Aluminum Company of Canada Ltd.	Kingston, Ont.	De Havilland Aircraft of Can Ltd.	Downsview, Ont.
Apex Parametrics Limited	Uxbridge, Ont.	De Roef Holdings Ltd.	Surrey, B.C.
Applied Electronics Ltd.	Toronto, Ont.	Delta Air Lines Inc.	Atlanta, GA, USA*
Atlas Trailer Coach Products Ltd.	Calgary, Alta.	Dewilde Fluid Systems Inc.	Milton, Ont.
Aviall (Canada) Ltd.	Dallas, TX, USA*	Digidyne Inc.	Lachine, Qué.
B & B Trailer Supplies Ltd.	London, Ont.	Digital Equipment Co. Ltd.	Kanata, Ont.
B M W Distributors Eastern Canada Limited	Whitby, Ont.	Dix Performance Ltd.	Vancouver, B.C.
Baknor Industries Ltd.	Mississauga, Ont.	Dominion Automotive Industries Inc.	Toronto, Ont.
Ballard Technologies Corp.	North Vancouver, B.C.	Dresser Canada Inc., Construction Equipment Div.	Candiac, Qué.
Battelec Inc.	St-Jean, Qué.	Duracell Inc.	Mississauga, Ont.
Batronics Inc.	Maple, Ont.	EC Battery Canada Corporation	Mississauga, Ont.
Bell & Howell Ltd.	Weston, Ont.	Eastern Air Lines Inc.	Miami, FL, USA*
Berlet Electronics Limited	Mississauga, Ont.	Eastern Battery Systems Ltd.	Moncton, N.B.
Blue Streak Hygrade Motor Products	Northern Island City, NY, USA*	Econolite Canada Inc.	Scarborough, Ont.
Brantford Scale Limited	Brantford, Ont.	Emerson Electric Canada Ltd.	Markham, Ont.
Burns Marketing, O/B 546812 Ontario Limited	Kitchener, Ont.	Entreprises Jobec Co. Ltd.	Montréal, Qué.
C & B Batteries Ltd.	New Westminster, B.C.	Esden Limited	Don Mills, Ont.
C & C Yachts Limited	Niagara-on-the-Lake, Ont.	Excell Battery Corp.	Surrey, B.C.
C & D Batteries of Canada	Montréal, Qué.	Exide Canada Corp.	Mississauga, Ont.
C M Peterson Company Ltd.	London, Ont.	Exide Electronics Canada Inc.	Mississauga, Ont.
C V D S Inc.	Pointe-Claire, Qué.	Ford Motor Company of Canada Ltd.	Oakville, Ont.
Canada Commercial Battery Limited	Mississauga, Ont.	Foxboro Canada Inc.	Montréal, Qué.
Canadian Battery Corp. Ltd.	Richmond, B.C.	Fram Canada Inc.	Stratford, Ont.
Canadian General Electric Co. Ltd.	Toronto, Ont.	Fred Deeley Limited	West Vancouver, B.C.
Canadian Marconi Company Ltd.	Montréal, Qué.	Freightliner of Canada Ltd.	Burnaby, B.C.
Canadian National Railways	Montréal, Qué.	GNB Batteries (Canada) Inc.	Fort Erie, Ont.
Canadian Tire Corporation Ltd.	Toronto, Ont.	Gelfer Enterprises Ltd.	Vancouver, B.C.
Canon Canada Inc.	Mississauga, Ont.	General Battery Corp.	Toronto, Ont.
Chloride Canada Ltd.	Mississauga, Ont.	General Motors of Canada Ltd.	Oshawa, Ont.
Coleco (Canada) Ltée	Montréal, Qué.	Glenayre Electronics Ltd.	Vancouver, B.C.
Communications Technology (Canada) Ltd.	Rexdale, Ont.	Greenwood Mushroom Farm Ltd.	Locust Hill, Ont.
		Gulton Industries Canada Ltd.	Gananoque, Ont.
		H & A Travelways Ltd.	Truro, N.S.
		H. Paulin & Company Ltd.	Scarborough, Ont.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Harris Systems Ltd.	Don Mills, Ont.	Neptune Meters Ltd.	Toronto, Ont.
Heine Instruments Canada Ltd.	Kitchener, Ont.	Nolisair International Inc.	Mirabel, Qué.
Hewlett-Packard (Canada) Limited	Mississauga, Ont.	Norman Wade Company Ltd.	Scarborough, Ont.
Hi-Line Manufacturing Company Limited	Weston, Ont.	OEM Hardware Inc.	Surrey, B.C.
Hilti (Canada) Limited	Bramalea, Ont.	Okanagan Manufacturers Ltd.	Penticton, B.C.
Hitachi (HSC) Canada Inc.	Pointe-Claire, Qué.	Oldham Batteries Canada Inc.	Ville d'Anjou, Qué.
Hitachi Denshi Ltd.	Scarborough, Ont.	Oliver Industrial Supply Ltd.	Lethbridge, Alta.
Hobbycraft Canada, Div. of Canadian Hobbycraft Ltd.	Rexdale, Ont.	Oncourse International Inc.	Thornhill, Ont.
Imed Canada Inc.	Scarborough, Ont.	Ontario Battery Services Co.	Rexdale, Ont.
Innotech Aviation Ltd.	Dorval, Qué.	Optex Corporation	Don Mills, Ont.
Interfax Systems Inc.	Montréal, Qué.	P M S Hobbycraft Ltd.	Calgary, Alta.
Jabro Batteries (Alta) Ltd.	Calgary, Alta.	PPG Canada Inc.	Mississauga, Ont.
K-D Tools of Canada Limited	Mississauga, Ont.	Patlon Aircraft & Industries Ltd.	Mississauga, Ont.
Kaycom Inc.	St-Pierre, Qué.	Peterboro Guns Limited	Peterborough, Ont.
Kenyon & Co. Ltd.	Penticton, B.C.	Philips Information Systems Ltd.	St-Laurent, Qué.
Kraco Enterprises Inc.	Mississauga, Ont.	Philtek Electronics Ltd.	Richmond, Ont.
L S Starrett Company of Canada Ltd.	Mississauga, Ont.	Poetker Communications Ltd.	Kitchener, Ont.
La Cie de Batteries Commerciales Ltée	Pointe-Claire, Qué.	Power Battery (Iberville) Ltée	Iberville, Qué.
La Compagnie Unie d'Outils Mtl. Ltée	Montréal, Qué.	Prairie Industrial Chemicals Inc.	Saskatoon, Sask.
Lawrence Jusko & Co. Ltd.	Montréal, Qué.	Pratt and Whitney Canada Inc.	Longueuil, Qué.
Lenbrook Industries Limited	Pickering, Ont.	Prelico Electronics Ltd.	Montréal, Qué.
Leonard Electric (1981) Limited	Mississauga, Ont.	Prestolite Battery, Division of Allied Canada Incorporated	Maple, Ont.
Les Batteries Électriques Gagnon Inc.	St-Léonard, Qué.	Prévost Car Incorporé	Ste-Claire, Qué.
Les Entreprises Mediatech Inc.	Verdun, Qué.	Produits de Sécurité A B C Inc.	St-Laurent, Qué.
Luken Marina Inc.	Tilbury, Ont.	Quebecair Incorporated	St-Laurent, Qué.
Lycos Products Ltd.	Burnaby, B.C.	Quick Cable Canada Ltd.	Toronto, Ont.
Lyonheart International, O/B 90462 Canada Limited	Toronto, Ont.	R C C Electronics Ltd.	Etobicoke, Ont.
MacLeod Stedman Inc.	Winnipeg, Man.	R H Nichols Co. Ltd.	Woodbridge, Ont.
Mack Canada Inc.	Toronto, Ont.	R Woodward and Company Ltd.	Toronto, Ont.
Man-Tech Associates Inc.	Rockwood, Ont.	Rauland-Borg Canada Inc.	Mississauga, Ont.
Matsushita Electric of Canada Limited	Mississauga, Ont.	Regional Battery, O/B 665987 Ontario Inc.	Fort Erie, Ont.
Mermaid Marine Engines Ltd.	West Royalty, P.E.I.	Reliance Telecommunication Products Ltd.	St. Thomas, Ont.
Metalex Products Ltd.	Richmond, B.C.	Repco Radio Limited	Pickering, Ont.
Mitel Corp.	Renfrew, Ont.	Rockwell International of Canada Ltd.	Toronto, Ont.
Modcomp Canada Ltd.	Mississauga, Ont.	S I Switches Inc.	Toronto, Ont.
Moli Energy Limited	Burnaby, B.C.	S L K Marketing Company	Weston, Ont.
Montreuil Electro Inc.	St-Laurent, Qué.	S Litton Systems (Canada) Ltd.	Rexdale, Ont.
Motorola Canada Limited	North York, Ont.	Sab Nife Corporation	Scarborough, Ont.
National Mine Service (Canada) Ltd.	Indiana, PA, USA*	Safety Supply Canada Ltd.	Richmond Hill, Ont.
National Semiconductor Datachecker/DTS	Rexdale, Ont.	Saft Batteries Ltée	Scarborough, Ont.
		Sanford Battery Manufacturing Limited	Hamilton, Ont.
		Santel Communications Inc.	Islington, Ont.

CANADIAN IMPORTERS (CONT'D)

<u>Name</u>	<u>Address</u>	<u>Name</u>	<u>Address</u>
Sanyo Canada Inc.	Toronto, Ont.	Transport Refrigeration Ltd.	Mississauga, Ont.
Sceptre Yachts Ltd.	Richmond, B.C.	Tri Alta. Tool Ltd.	Calgary, Alta.
Schlumberger of Canada Ltd.	Calgary, Alta.	Union Carbide Canada Ltd.	Toronto, Ont.
Sellick Equipment Limited	Harrow, Ont.	Van Dusen Aircraft Supplies Ltd.	Winnipeg, Man.
Sharp Electronics of Canada Ltd.	Mississauga, Ont.	Varta Batteries Ltd.	Willowdale, Ont.
Shaw Cablesystems Ltd.	Edmonton, Alta.	Volvo (Canada) Limited	Halifax, N.S.
Shuriken Distributors Inc.	Mississauga, Ont.	Vredband Import Inc.	Chomedey, Qué.
Sonics Exploration Ltd.	Calgary, Alta.	W R Grace & Company Canada Ltd.	Ajax, Ont.
Sony of Canada Ltd.	Willowdale, Ont.	Wesmar Electronics Canada Ltd.	Yarmouth, N.S.
Southwest Tractor Inc.	London, Ont.	Westburne Industrial Enterprises Ltd.	Montréal, Qué.
Spartan Agencies Ltd.	Dartmouth, N.S.	Westcan Two-Way Radio Ltd.	Edmonton, Alta.
Speedex Mfg., A Division of Magna Int'l (Canada) Inc.	Concord, Ont.	Western Audiovox Corporation	Burnaby, B.C.
Spilsbury Communications Ltd.	Vancouver, B.C.	Western Cinevision Ltd.	Calgary, Alta.
Standard Aero Limited	Winnipeg, Man.	Western Turbo & Fuel Injection Ltd.	Winnipeg, Man.
Stelco Inc.	Hamilton, Ont.	Westrock Battery & Auto Supply Ltd.	Winnipeg, Man.
Stetron International Inc.	Markham, Ont.	Whalley Hardware, Div. of Holland Import Inc.	Burnaby, B.C.
Stored Energy Batteries & Systems Inc.	Mississauga, Ont.	Winzer Ltd.	Mississauga, Ont.
Superex Canada Ltd.	Toronto, Ont.	Woodstream Corporation	Niagara Falls, Ont.
Sure Power Products Ltd.	Rexdale, Ont.	Wrays Fire Protection Limited	Scarborough, Ont.
Surette Battery Company Ltd.	Springhill, N.S.	Xerox Canada Inc.	Don Mills, Ont.
Texcan Communications Inc.	St-Laurent, Qué.	Yale Security Products, Div. of Canada Scovill Industries Ltd.	Mississauga, Ont.
The Canada Metal Company Ltd.	Toronto, Ont.	Yashica Canada Inc.	Mississauga, Ont.
The Prestolite Electronics, Div. of Allied Canada Inc.	Mississauga, Ont.	Zentronics, Div. of Westburne Industrial Enterprises Ltd.	Brampton, Ont.
Thompson Products, Division of T R W Canada Limited	St. Catharines, Ont.		
Tie Communications Canada Limited	Markham, Ont.		
Toledo Scale Division, Reliance Electric Limited	Mississauga, Ont.		

\* Non-resident importer



DRIE REGIONAL OFFICES

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Tel: (403) 668-4655

Northwest Territories  
P.O. Bag 6100  
Precambrian Building  
Yellowknife, Northwest Territories  
X1A 1C0  
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