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1983

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**ELECTRONICS INDUSTRY  
HOUSEHOLD ELECTRICAL  
APPLIANCES INDUSTRIES**

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**STATISTICAL SUMMARY**

**1983**

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Government  
of Canada

Gouvernement  
du Canada

Regional Industrial  
Expansion

Expansion industrielle  
régionale

**Canada**

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**ELECTRONICS INDUSTRY  
HOUSEHOLD ELECTRICAL  
APPLIANCES INDUSTRIES**

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**STATISTICAL SUMMARY**

**1983**

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INDUSTRY SELLING PRICE INDEXES (1971 = 100)

<u>SIC</u>	<u>Industry Sub-Sector</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>
331	- Small Appliances	144.3	154.0	167.5	183.0	187.7
332	- Major Appliances	166.5	182.7	205.2	226.7	241.4
334	- Radio & Television	119.6	122.3	128.5	128.6	127.1
335	- Communications & Components	166.7	171.3	180.1	186.4	191.0
318	- Office & Store Machinery	n.a.	n.a.	n.a.	n.a.	n.a.
3911	- Instruments	n.a.	n.a.	n.a.	n.a.	n.a.

Source: Statistics Canada - Cat. 62-011

TOTAL INTRAMURAL R&D EXPENDITURES

	1976	1977	1978	1979	1980	1981	1982	1983P
	\$000,000							
Business Machines	12	14	18	27	43	55	79	80
Communications Equipment	136	145	168	210	257	365	536	614
Scientific & Professional Equipment	7	6	9	10	14	18	24	23
Total Manufacturing	604	668	791	984	1213	1556	1915	2108
Total Mines & Wells	42	50	56	118	141	205	371	470
Total Services	109	139	160	168	210	243	286	329
Total All Industries	755	857	1007	1269	1564	2004	2572	2907

Source: Science Statistics Centre - Cat. #13-X-201  
 270 Albert Street  
 Michel L. Boucher  
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INVESTMENT STATISTICS

		Capital Expenditures	Repair Expenditures	Total
- millions of dollars -				
Small Electrical Appliances	1978	3.2	2.0	5.2
	1979	5.7	2.5	8.2
	1980	9.0	3.0	12.0
	1981	2.8	0.8	3.6
	1982	5.3	1.9	7.2
	1983	6.9	2.0	8.9
Major Appliances Electric and Non-Electric	1978	14.2	4.6	18.8
	1979	13.9	5.1	19.0
	1980	13.3	5.4	18.7
	1981	8.4	6.4	14.8
	1982	8.7	6.1	14.8
	1983	13.1	8.7	21.8
Household Radio and Television Receivers	1978	8.2	1.9	10.1
	1979	12.0	2.3	14.3
	1980	16.6	2.7	19.3
	1981	10.6	3.2	13.8
	1982	7.1	3.1	10.2
	1983	12.0	3.1	15.1
Communications Equipment	1978	42.6	21.8	64.4
	1979	64.8	22.3	87.1
	1980	117.7	21.2	138.9
	1981	185.1	28.6	213.7
	1982	191.5	28.8	220.3
	1983	209.9	27.0	236.9
Office and Store Machinery	1978	32.9	4.6	37.5
	1979	46.5	7.3	53.8
	1980	65.0	7.5	72.5
	1981	103.1	10.0	113.1
	1982	106.6	6.8	113.4
	1983	102.9	6.7	109.6
Scientific and Professional Equipment Industries	1978	23.3	12.5	35.8
	1979	23.5	14.9	38.4
	1980	42.6	19.3	61.9
	1981	57.5	17.5	75.0
	1982	57.1	21.5	78.6
	1983	64.7	23.2	87.9
Total Manufacturing	1978	6,178.2	3,595.6	9,773.8
	1979	7,443.6	4,097.7	11,541.3
	1980	9,746.8	4,731.3	14,478.1
	1981	12,739.3	4,955.1	17,694.4
	1982	11,122.7	4,765.9	15,888.6
	1983	9,102.6	4,965.8	14,068.4

Source: Statistics Canada #61-214



**PERFORMANCE OF THE  
ELECTRONICS INDUSTRY & HOUSEHOLD ELECTRICAL APPLIANCES**





## INDUSTRY HIGHLIGHT

### Electronics

Shipments of electronics products showed no growth in 1983 as compared with 1982, and failed to keep pace with the domestic market, which grew at a rate of nearly 5%. The absence of any growth in shipments, however, masked a considerable shift in the destination of those shipments. While shipments to the export market grew by over 16%, shipments to the domestic market declined by 19%, to a level below that of 1980. The decline in shipments to the expanding domestic market provided the opportunity for rapid import growth (nearly 15%) to fill the gap.

The only electronics subsector to show any substantial gain in 1983 was radio and television, with a 31% growth in domestic market and 17% growth in shipments. Office and store machinery was weakest with a 7% decline in shipments.

The USA continued to be our major trading partner. In 1983 imports from the US represented 74.7% of total electronic imports, a decrease from the 1982 level of 79.2%. Japan accounted for the bulk of the difference, its share of Canadian imports growing from 10.5% to 13.6%. Meanwhile, the industry increased its dependence on the U.S. market, as that country's share of exports increased from 69.5% in 1982 to 72.4% in 1983.

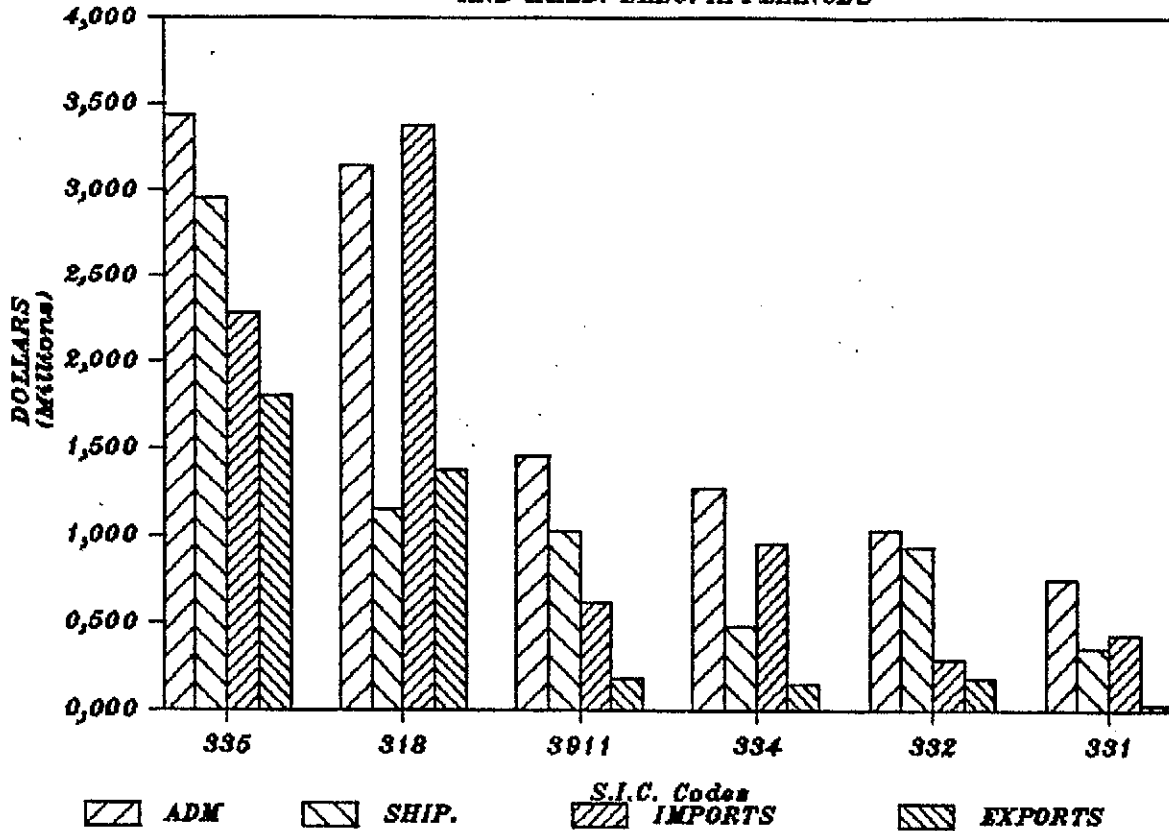
### Household Appliances

The growth in consumer spending that led to improved performance in the radio and television subsector also influenced the performance of the household appliance sector, with shipments and domestic market both growing at a rate of almost 20%. Major appliances outpaced small appliances by a wide margin, with shipments growing at the rate of 26.5%.

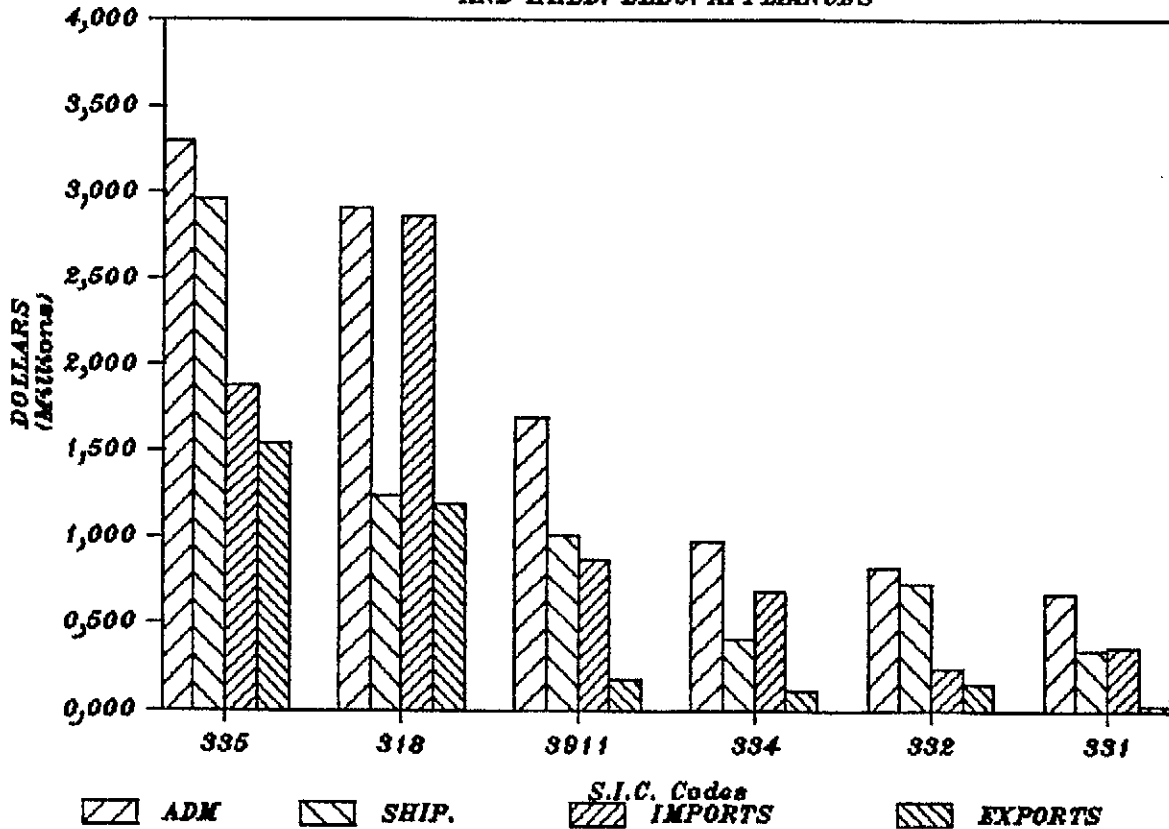
As in electronics our major trading partner was the USA. U.S. portion of total imports of household electrical appliances remained steady over the last two years at 65.6%. However, U.S. share of total exports was up to 76.9% from 65.4% in 1982.



### 1983 ELECTRONICS INDUSTRY AND HLD. ELEC. APPLIANCES



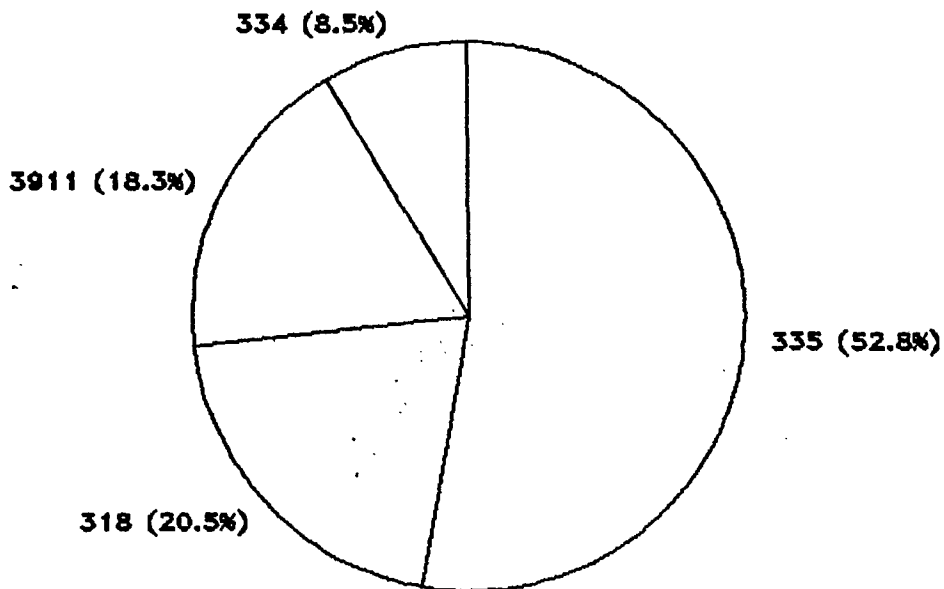
### 1982 ELECTRONICS INDUSTRY AND HLD. ELEC. APPLIANCES





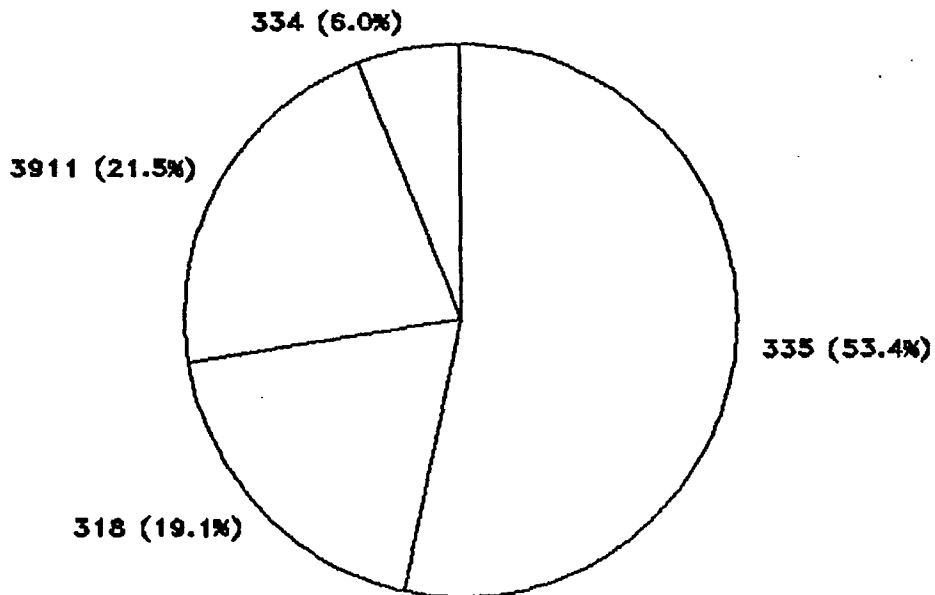
# 1983 ELECTRONICS INDUSTRY SHIPMENTS

BY S.I.C. SUB-SECTORS



# 1978 ELECTRONICS INDUSTRY SHIPMENTS

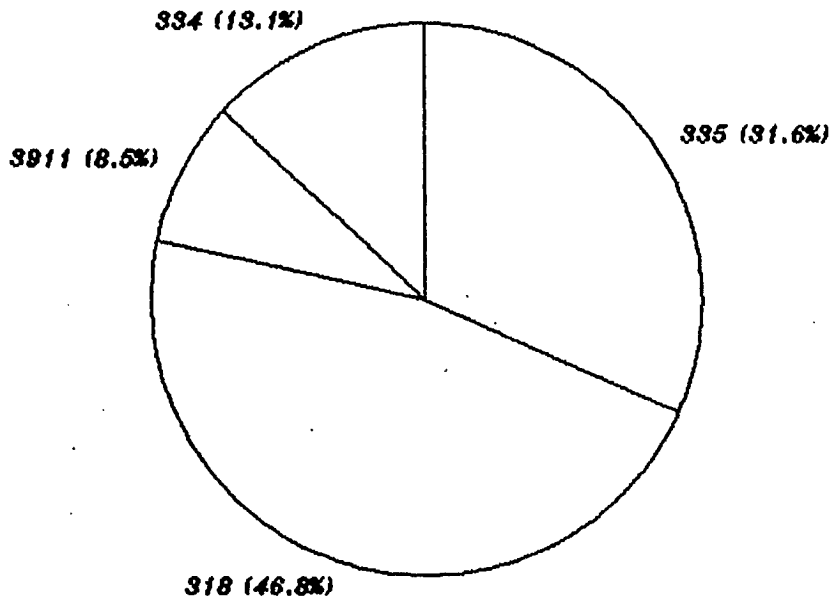
BY S.I.C. SUB-SECTORS





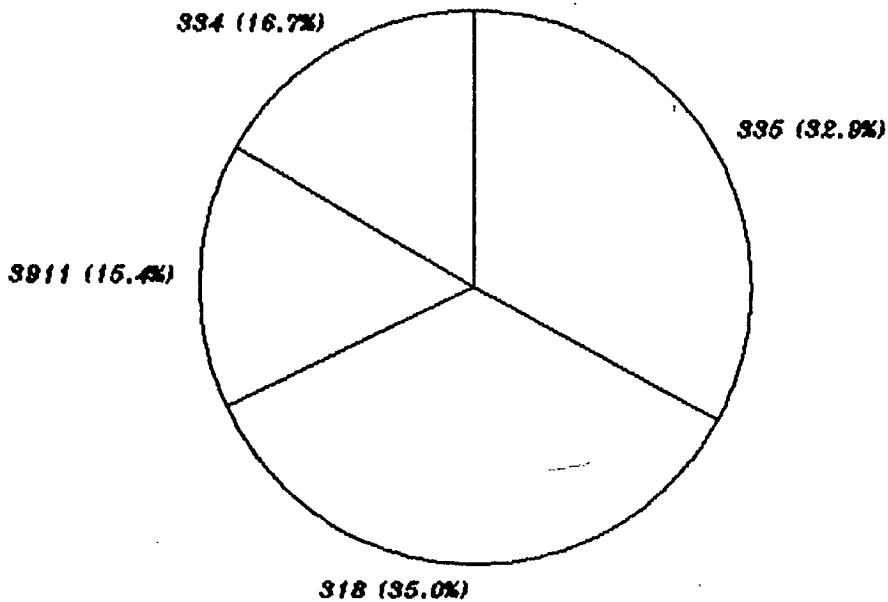
# 1983 ELECTRONICS INDUSTRY IMPORTS

BY S.I.C. SUB-SECTORS



# 1978 ELECTRONICS INDUSTRY IMPORTS

BY S.I.C. SUB-SECTORS

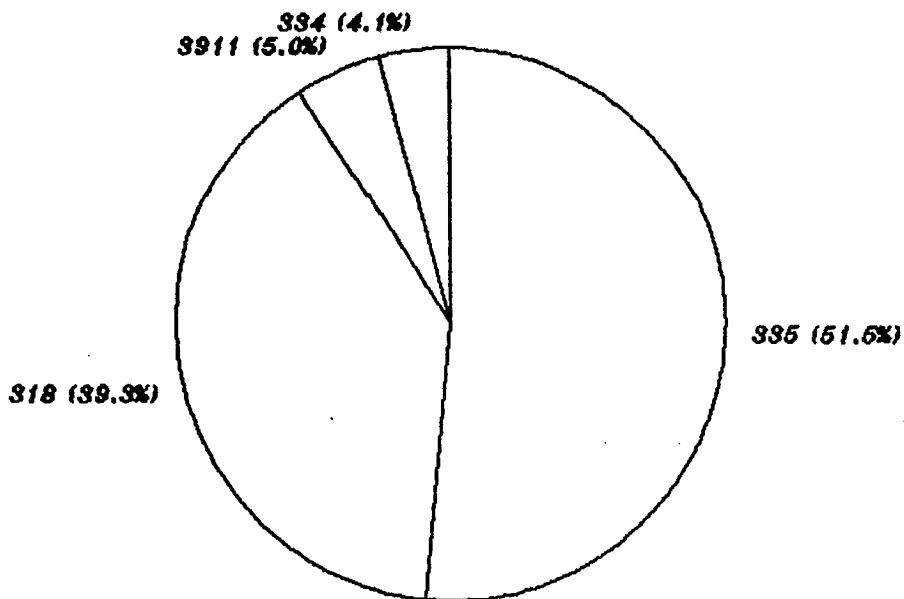






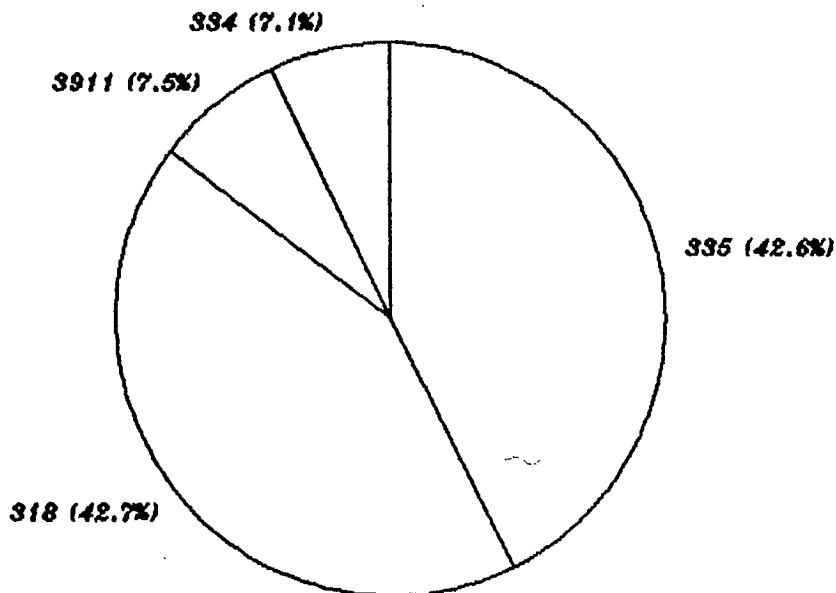
# 1983 ELECTRONICS INDUSTRY EXPORTS

BY S.I.C. SUB-SECTORS



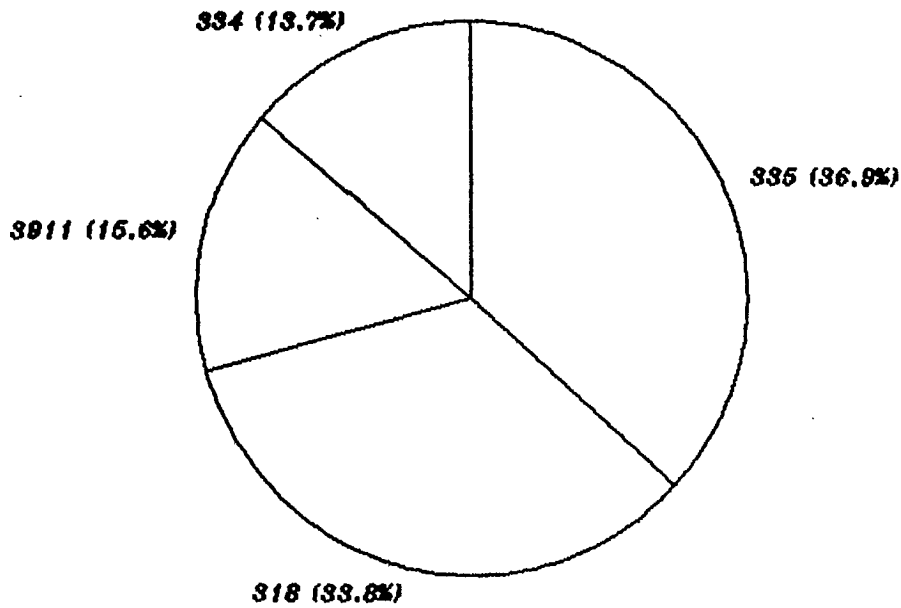
# 1978 ELECTRONICS INDUSTRY EXPORTS

BY S.I.C. SUB-SECTORS

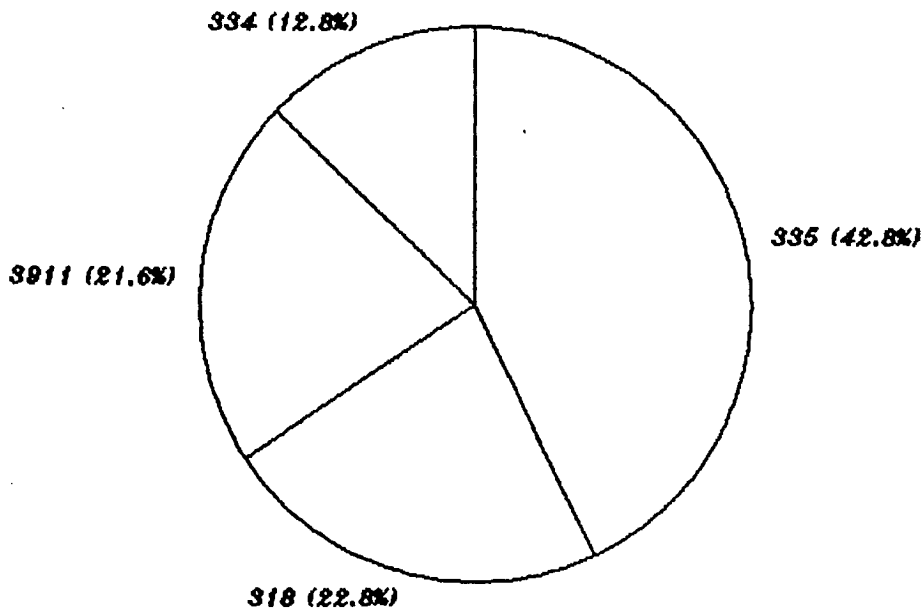




**1983 ELECTRONICS INDUSTRY A.D.M.**  
**BY S.I.C. SUB-SECTORS**



**1978 ELECTRONICS INDUSTRY A.D.M.**  
**BY S.I.C. SUB-SECTORS**





1983  
DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Imports A.D.M. %	Domestic Exports Ship. %	Trade Balance \$ Millions	Ship. A.D.M. %	Employment - Units - Preliminary
	Shipments	Imports	Domestic Exports	Re- Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total Electronics Industry	5603	7218	3003	502	3505	9316	77.5	53.6	-3713	60.1	-
334 - Radio and Television	474	948	140	5	145	1277	74.2	29.5	- 803	37.1	3788
335 - Communications & Components	2958	2284	1656	149	1805	3437	66.5	56.0	- 479	86.1	44578
318 - Office & Store Machinery	1148	3375	1068	310	1378	3145	107.3	93.0	-1997	36.5	14499
3911- Instruments (est.)	1023	611	139	38	177	1457	41.9	13.6	- 434	70.2	n.a.
Household Electrical Appliances Ind.	1282	708	201	11	212	1778	39.8	15.7	- 496	72.1	12083
331 - Small Appliances	356	423	29	4	33	746	56.7	8.1	- 390	47.7	3737
332 - Major Appliances	926	285	172	7	179	1032	27.6	18.6	- 106	89.7	8346

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004  
Shipments: Prel. Cat. 31-001  
Employment: Prel. Cat. 72-002

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

1982  
DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Imports A.D.M. %	Domestic Exports Ship. %	Trade Balance \$ Millions	Ship. A.D.M. %	Employment - Units - Preliminary as at	
	Shipments	Imports	Domestic Exports	Re- Exports	Total Exports	Apparent Domestic Market (Note 1)					Dec.81	Dec.82
Total Electronics Industry	5613	6287	2599	420	3019	8881	70.8	46.3	-3268	63.2	69698	67018
334 - Radio and Television	406	680	107	5	112	974	69.8	26.4	-568	41.7	5151	3820
335 - Communications & Components	2965	1876	1424	118	1542	3299	56.9	48.0	-334	89.9	42853	39820
318 - Office & Store Machinery	1235	2863	927	260	1187	2911	98.4	96.1	-1676	42.4	8579	10829
3911- Instruments (est.)	1007	868	141	37	178	1697	51.1	17.7	-690	59.3	11587	10861
330- Head Office											1528	1688
Household Electrical Appliances Ind.	1075	604	173	12	185	1494	40.4	16.1	-419	72.0	11825	10548
331 - Small Appliances	343	363	25	4	29	677	53.6	7.3	-334	50.7	4923	4061
332 - Major Appliances	732	241	148	8	156	817	29.5	20.2	-85	89.6	6902	6487

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004  
Shipments: Prel. Cat. 31-001  
Employment: Prel. Cat. 72-002

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

1981  
DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Imports A.D.M. %	Domestic Exports Ship. %	Trade Balance \$ Millions	Ship. A.D.M. %	Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re- Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total Electronics Industry	5337	6194	2486	376	2862	8669	71.4	46.6	-3332	61.6	82015
334 - Radio and Television	416	698	86	4	90	1024	68.2	20.7	- 608	40.6	3327
335 - Communications & Components	2786	2038	1368	99	1467	3357	60.7	49.1	- 571	83.0	46330
318 - Office & Store Machinery	1147	2583	874	237	1111	2619	98.6	76.2	-1472	43.8	16161
3911- Instruments	988	875	158	36	194	1669	52.4	16.0	- 681	59.2	16197
Household Electrical Appliances Ind.	1199	694	178	12	190	1703	40.8	14.8	- 504	70.4	18212
331 - Small Appliances	322	417	27	5	32	707	59.0	8.4	- 385	45.5	5368
332 - Major Appliances	877	277	151	7	158	996	27.8	17.2	- 119	88.1	12844

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004  
Shipments: Census of Mfrs.  
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.



1980  
DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Imports A.D.M. %	Domestic Exports Ship. %	Trade Balance \$ Millions	Ship. A.D.M. %	Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re- Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total Electronics Industry	4450	4853	1996	321	2317	6986	69.5	44.9	-2536	63.7	74853
334 - Radio and Television	352	536	68	6	74	814	65.8	19.3	- 462	43.2	2889
335 - Communications & Components	2329	1691	1041	97	1138	2882	58.7	44.7	- 553	80.8	43343
318 - Office & Store Machinery	889	1896	739	187	926	1859	102.0	83.1	- 970	47.8	13540
3911- Instruments	880	730	148	31	179	1431	51.0	16.8	- 551	61.5	15081
Household Electrical Appliances Ind.	1170	596	155	9	164	1602	37.2	13.2	- 432	73.0	18991
331 - Small Appliances	307	342	20	3	23	626	54.6	6.5	- 319	49.0	5167
332 - Major Appliances	863	254	135	6	141	976	26.0	15.6	- 113	88.4	13824

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004  
Shipments: Census of Mfrs.  
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

1979  
DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Imports A.D.M. %	Domestic Exports Ship. %	Trade Balance \$ Millions	Ship. A.D.M. %	Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re- Exports	Total Exports	Apparent Domestic Market (Note 1)					
<b>Total Electronics Industry</b>	3518	3874	1620	265	1885	5507	70.3	46.0	-1989	63.9	68664
334 - Radio and Television	257	544	104	3	107	694	78.4	40.5	- 437	37.0	2946
335 - Communications & Components	1814	1411	750	71	821	2404	58.7	41.3	- 590	75.5	39326
318 - Office & Store Machinery	725	1343	642	168	810	1258	106.8	88.6	- 533	57.6	11791
3911- Instruments	722	576	124	23	147	1151	50.0	17.2	- 429	62.7	14601
<b>Household Electrical Appliances Ind.</b>	1091	569	149	7	156	1504	37.8	13.7	- 413	72.5	19045
331 - Small Appliances	298	314	20	2	22	590	53.2	6.7	- 292	50.5	5161
332 - Major Appliances	793	255	129	5	134	914	27.9	16.3	- 121	86.8	13884

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004  
Shipments: Census of Mfrs.  
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

1978  
DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Imports A.D.M. %	Domestic Exports Ship. %	Trade Balance \$ Millions	Ship. A.D.M. %	Employment - Units - Census of Mfrs.
	Shipments	Imports	Domestic Exports	Re- Exports	Total Exports	Apparent Domestic Market (Note 1)					
Total Electronics Industry	2869	3065	1186	158	1344	4590	66.8	41.3	-1721	62.5	59850
334 - Radio and Television	172	512	95	1	96	588	87.1	55.2	- 416	29.3	2332
335 - Communications & Components	1532	1007	528	45	573	1966	51.2	34.5	- 434	77.9	37895
318 - Office & Store Machinery	547	1073	475	99	574	1046	102.6	86.8	- 499	52.3	9629
3911- Instruments	618	473	88	13	101	990	47.8	14.2	- 372	62.4	13491
Household Electrical Appliances Ind.	958	514	103	7	110	1362	37.7	10.8	- 404	70.3	17987
331 - Small Appliances	259	269	12	2	14	514	52.3	4.6	- 255	50.4	5181
332 - Major Appliances	699	245	91	5	96	848	28.9	13.0	- 149	82.4	12806

Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004  
Shipments: Census of Mfrs.  
Employment: Census of Mfrs.

Note 1: Apparent Domestic Market (A.D.M.) = Shipments plus Imports less Total Exports.

TABLE 1

MARKET SHARE AND GROWTH RATES

SHIPMENTS

<u>SIC</u>	<u>Description</u>	<u>1983 % of Total</u>	<u>1983-1982 % Change</u>	<u>1982-1977 A.A.G.R.</u>
331	- Small Appliances	28	3.8	5.8
332	- Major Appliances	72	26.5	4.9
	TOTAL Household Appliances	100	19.3	5.2
334	- Radio & Television	8	16.7	19.6
335	- Communications & Components	53	(0.2)	15.5
318	- Office & Store Machinery	21	(7.0)	24.5
3911	- Instruments	18	1.6	14.7
	TOTAL Electronics	100	(0.2)	17.2

IMPORTS

331	- Small Appliances	60	16.5	9.8
332	- Major Appliances	40	18.3	2.0
	TOTAL Household Appliances	100	17.2	6.3
334	- Radio & Television	13	39.4	10.1
335	- Communications & Components	32	21.7	17.9
318	- Office & Store Machinery	47	17.9	29.0
3911	- Instruments	8	(29.6)	19.4
	TOTAL Electronics	100	14.8	21.5

TOTAL EXPORTS

331	- Small Appliances	16	13.8	14.1
332	- Major Appliances	84	14.7	16.1
	TOTAL Household Appliances	100	14.6	15.7
334	- Radio & Television	4	29.5	14.5
335	- Communications & Components	52	17.1	29.0
318	- Office & Store Machinery	39	16.1	23.5
3911	- Instruments	5	(0.6)	17.7
	TOTAL Electronics	100	16.1	25.0

TABLE 2 - IMPORTS - HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES  
SIGNIFICANT SOURCE COUNTRIES, BY SECTOR

(\$ Millions)

	Office and Store Machinery					Communications and Components					Instruments					Radio and Television				
	1979	1980	1981	1982	1983	1979	1980	1981	1982	1983	1979	1980	1981	1982	1983	1979	1980	1981	1982	1983
U.S.A.	1282	1880	2565	2820	2922	1045	1283	1523	1431	1709	346	439	519	528	542	216	200	209	198	224
Japan	116	121	160	147	239	162	185	253	191	241	5	5	6	8	8	168	178	303	322	497
United Kingdom	18	22	22	16	20	50	44	34	30	35	16	16	17	17	18	-	-	-	-	-
West Germany	25	24	21	19	24	20	25	23	20	25	5	6	7	6	9	-	-	-	-	1
Taiwan	-	-	5	10	22	25	37	59	56	76	-	-	-	-	1	39	51	49	34	36
South Korea	-	-	-	-	5	14	11	16	21	27	-	-	-	2	2	72	55	70	57	92
Mexico	-	-	-	1	6	21	22	39	40	64	-	-	-	-	-	-	-	-	-	11
Hong Kong	-	-	-	8	39	-	-	-	17	37	-	-	-	-	-	-	-	-	35	36
All Countries	1528	2138	2882	3144	3375	1411	1691	2038	1876	2284	391	488	575	587	611	544	536	698	680	948
	Major Appliances					Small Appliances														
	1979	1980	1981	1982	1983	1979	1980	1981	1982	1983										
U.S.A.	191	188	189	142	179	240	256	312	254	285										
Japan	22	27	55	63	69	9	9	16	14	22										
United Kingdom	11	4	1	1	1	-	-	-	4	5										
West Germany	-	-	-	2	2	11	11	11	12	18										
Taiwan	-	-	-	9	10	-	-	-	7	9										
France	-	-	-	-	1	11	10	7	6	6										
Sweden	-	-	-	-	4	-	-	-	-	-										
Switzerland	-	-	-	-	3	-	-	-	-	3										
Hong Kong	-	-	-	-	1	20	25	33	38	42										
All Countries	255	254	277	241	285	314	342	417	363	423										

TABLE 3 - TOTAL EXPORTS - HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES  
SIGNIFICANT MARKETS, BY SECTOR

(\$ Millions)

	Office and Store Machinery					Communications and Components					Instruments					Radio and Television				
	1979	1980	1981	1982	1983	1979	1980	1981	1982	1983	1979	1980	1981	1982	1983	1979	1980	1981	1982	1983
U.S.A.	601	648	798	915	1071	519	732	1001	982	1213	86	100	110	115	124	89	54	63	85	131
United Kingdom	29	31	43	27	38	31	42	51	54	72	7	7	11	12	8	16	13	20	25	11
Ireland	-	-	-	-	12	11	22	39	50	35	-	-	-	-	-	-	-	-	-	-
West Germany	8	13	20	17	15	21	24	30	25	18	3	3	5	3	3	-	-	-	-	-
France	16	20	26	23	23	18	19	24	20	23	-	-	-	-	-	-	-	-	-	-
Italy	8	13	8	6	5	10	13	14	7	13	-	-	-	-	-	-	-	-	-	-
The Netherlands	19	27	42	44	40	-	-	-	-	-	2	3	4	3	3	-	-	-	-	-
Sweden	14	19	9	9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	8	13	10	8	12	-	-	-	-	-	6	10	14	4	3	-	-	-	-	-
Brazil	7	11	5	7	6	-	-	-	-	-	1	3	1	1	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	14	8	12	30	24	-	-	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	18	17	19	39	60	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	10	11	17	56	46	-	-	-	-	-	-	-	-	-	-
Japan	14	15	22	19	32	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-
Australia	19	17	22	23	20	-	-	-	11	20	3	4	7	2	4	-	-	-	-	-
All Countries	810	926	1111	1187	1378	822	1138	1465	1542	1805	147	179	194	178	177	107	73	89	112	145

	Major Appliances					Small Appliances				
	1979	1980	1981	1982	1983	1979	1980	1981	1982	1983
U.S.A.	75	84	88	100	138	18	15	22	21	25
United Kingdom	8	11	14	10	9	1	4	5	3	3
Ireland	-	-	-	-	-	-	-	-	-	-
West Germany	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
The Netherlands	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	14	7	7	4	3	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-	-	-
South Korea	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Australia	3	3	4	6	4	-	-	-	-	-
All Countries	134	141	157	156	179	23	23	32	29	33

TABLE 4 - HOUSEHOLD ELECTRICAL APPLIANCES & ELECTRONICS INDUSTRIES  
EMPLOYMENT TABLE (Yearly Average)

SIC	Description	1979	1980	1981	1982	1983
331	Small Appliances	5,210	5,709	5,146	4,847	4,157
332	Major Appliances	<u>10,193</u>	<u>9,635</u>	<u>8,459</u>	<u>6,999</u>	<u>7,897</u>
		<u>15,403</u>	<u>15,344</u>	<u>13,605</u>	<u>11,846</u>	<u>12,054</u>
334	Radio & Television	6,889	4,752	5,057	3,813	3,702
335	Communications & Components	37,153	39,505	42,755	42,710	43,219
318	Office & Store Machinery	7,909	7,898	8,705	11,221	13,319
3911	Instruments	10,540	10,979	11,613	11,437	N.A.
330	Head office, sales & auxiliary units (50%)	<u>1,660</u>	<u>1,361</u>	<u>1,501</u>	<u>1,646</u>	<u>N.A.</u>
	TOTAL Electronics	<u>64,151</u>	<u>64,495</u>	<u>69,631</u>	<u>70,827</u>	<u>      </u>
	All Mfg. Industries	1,642,717	1,613,688	1,623,819	1,471,220	1,672,630
	Electronics as % of all Mfg.	3.9	4.0	4.3	4.8	N.A.

Source: Cat. #72-002 - Statistics Canada for companies of 20 employees or more. The 1983 employment figures are not comparable with previous years, because of a different base sample survey.

**IMPORTS**

**ELECTRONICS INDUSTRY & HHLD ELECTRICAL APPLIANCES**





Commodity Class No.	Leading Import Classes for the Electronics Industry & Hhld. Elec. Appliances 1983	Value \$ Millions
771-22	Electronic computers and parts	2,882.8
638-39	Semi-conductors n.e.s.	384.1
634-75	Tape players, tape recorders (except parts)	372.9
639-99	Electronic equipment components n.e.s.	282.0
919-47	Photocopy and similar machines and parts	252.6
638-31	Integrated circuits	249.3
634-99	Commercial communications equipment n.e.s.	244.1
637-69	Combination radio-phonograph sets	170.3
634-19	Telephone apparatus equipment and parts	167.2
709-94	Geophysical mineral prosp. equip. and parts	135.5
637-14	TV receiving sets, colour over 19 inch	117.3
702-90	Electric meas. test instruments n.e.s. & parts	106.2
637-24	Radio receiving sets, automobile	104.0
697-99	Electrical equip. appls. & parts n.e.s.	92.5
639-45	Speakers, electronic comms. and parts	75.0
638-49	Parts of semi-conductors	71.7
639-60	TV, radio and phonograph set chassis	71.1
709-19	Navigation instruments apparatus and parts	69.0
703-95	Parts of measuring and control instrs. n.e.s.	67.9
637-49	Radio receiving sets n.e.s. (except parts)	67.3
661-17	Microwave ovens	64.1
639-10	Capacitors, electronic and parts	63.7
638-14	Television picture tubes	62.5
637-11	TV receiving sets, colour, under 19 inch	56.4
771-15	Calculating machines and parts	51.4
638-19	Electronic tubes n.e.s.	51.2
661-89	Electric appls. for cooking food n.e.s.	49.8
771-60	Parts, attach, and access. for typewriters	49.0
661-99	Parts for electric cooking appls. n.e.s.	40.7
634-90	Radio transmitting receiving units	39.0
703-78	Comb. meas. & multi-function instruments	38.5
639-55	Printed circuit boards	36.5
634-45	Sound amplifiers	35.4
634-95	Radio, TV broad, transm. equip. n.e.s.	35.4
638-33	Semi-conductors, transistor type	34.8
639-23	Transformers, electronic type & parts	34.7
720-54	RR & N transit signal system & parts n.e.s.	34.4
692-19	Parts of electric cleaning equipment	34.1
703-44	Flow level meas. control. instruments & parts	31.9
639-92	Parts of phono record players n.e.s.	31.3

TABLE 6 - 1983 IMPORTS OF SMALL HOUSEHOLD APPLIANCES,  
ELECTRIC & NON-ELECTRIC (SIC 331)

Class No.	Commodity	Total	Supplier Countries													
			United States		Hong Kong		Japan		West Germany		Netherlands		Taiwan		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
697-99	Electrical Equip. Appl. & Pts. NES	92469	60765	65.7	2948	3.2	3386	3.6	7005	7.6	10529	11.4	1295	1.4	6541	7.1
661-89	Electric Appl. for Cook. Food NES	49828	33816	67.9	7766	15.6	1486	3.0	1161	2.3	3	-	916	1.8	4680	9.4
661-99	Pts. for Electric Cook Appl. NES	40668	28537	70.2	912	2.2	5339	13.1	715	1.8	6	-	1848	4.5	3311	8.2
692-19	Pts of Electric Cleaning Equip.	34062	32990	96.9	-	-	63	0.2	186	0.5	-	-	17	-	806	2.4
697-19	Food Prep. Appl. Elec. & Pts. NES	30568	16734	54.8	2288	7.5	3490	11.4	3018	9.9	12	-	66	0.2	4960	16.2
697-81	Elec. Hair Styl. Equip. Dom. & Pts.	27183	1011	3.7	18860	69.4	393	1.4	3051	11.2	-	-	452	1.7	3416	12.6
697-69	Fans, Unit & Vent. Elec. & Pts. NES	22224	14968	67.3	3470	15.6	404	1.8	266	1.2	62	0.3	2484	11.2	570	2.6
692-09	Vacuum Clean, Elec. Dom.	19746	17319	87.8	-	-	2346	11.9	17	-	-	-	-	-	64	0.3
692-15	Cleaning Equip., Elec. NES	16098	13223	82.2	730	4.5	1060	6.6	67	0.4	-	-	4	-	1014	6.3
*653-99	Pts. of Heating Equip. NES	13557	12042	88.8	96	0.7	202	1.5	245	1.8	171	1.3	325	2.4	476	3.5

Source: Statistics Canada Cat. #65-007

TABLE 6 (cont'd) - 1983 IMPORTS OF SMALL HOUSEHOLD APPLIANCES,  
ELECTRIC & NON-ELECTRIC (SIC 331)

Class No.	Commodity	Total	Supplier Countries													
			United States		Hong Kong		Japan		West Germany		Netherlands		Taiwan		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
698-35	Flat Irons, Electric & Pts.	11660	5126	44.0	630	5.4	85	0.7	-	-	-	-	170	1.5	5649	48.4
697-62	Fans Air Circulators Elec. Port & Pt.	10937	4949	45.3	1455	13.3	1756	16.1	222	2.0	-	-	834	7.6	1721	15.7
697-04	Food Mixers Juicers Elec. & Pts. NES	9333	7078	75.8	272	2.9	319	3.4	442	4.8	-	-	44	0.5	1178	12.6
661-59	Toasters & Waffle Irons, Electric	9246	7832	84.7	1385	15.0	-	-	-	-	-	-	21	0.2	8	0.1
*653-94	Pts. of Water Heaters NES	6640	6623	99.7	-	-	-	-	14	0.2	-	-	-	-	3	0.1
655-29	Humidifiers, Dehumidifiers, & Pts.	5598	4033	72.0	-	-	350	6.3	16	0.3	-	-	40	0.7	1159	20.7
697-85	Electric Can Openers & Pts.	4908	3219	65.6	1321	26.9	367	7.5	-	-	-	-	-	-	1	-
*653-71	Water Heaters, NES	4550	4183	91.9	-	-	24	0.5	-	-	-	-	161	3.6	182	4.0
*653-89	Heating Equip. NES	4270	3613	84.6	-	-	62	1.5	86	2.0	3	-	15	0.4	491	11.5

Source: Statistics Canada Cat. #65-007

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TABLE 6 (cont'd) - 1983 IMPORTS OF SMALL HOUSEHOLD APPLIANCES,  
ELECTRIC & NON-ELECTRIC (SIC 331)

Class No.	Commodity	Total	Supplier Countries													
			United States		Hong Kong		Japan		West Germany		Netherlands		Taiwan		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
692-29	Floor Polishers, Electric & Pts.	2194	1756	80.0	-	-	-	-	44	2.0	-	-	-	-	394	18.0
*653-53	Water Tank Heaters, Gas	2122	2003	94.4	-	-	51	2.4	-	-	-	-	-	-	68	3.2
653-31	Air Heater, Electric, Portable	1881	454	24.1	-	-	500	26.6	708	37.6	-	-	-	-	219	11.7
697-71	Electric Blankets & Pts.	1280	1140	89.1	-	-	-	-	-	-	-	-	-	-	140	10.9
661-95	Heating Elements for Elect. Cook. Appl.	962	829	86.2	1	0.1	-	-	-	-	-	-	71	7.4	61	6.3
692-32	Floor Sanders, Electric & Pts.	805	380	47.2	-	-	-	-	307	38.1	-	-	-	-	118	14.7
653-69	Water Tank Heaters Electric	588	575	97.8	-	-	-	-	-	-	-	-	13	2.2	-	-
	* Sub-Total Non-Electrical	31139	28464	91.4	96	0.3	339	1.1	345	1.1	174	0.6	501	1.6	1220	3.9
	Sub-Total Electrical	392238	256734	65.5	42038	10.7	21344	5.4	17225	4.4	10612	2.7	8275	2.1	36010	9.2
	Total SIC 331	423377	285198	67.4	42134	10.0	21683	5.1	17570	4.1	10786	2.5	8776	2.1	37230	8.8

Source: Statistics Canada Cat. #65-007

TABLE 7 - 1983 IMPORTS OF MAJOR HOUSEHOLD APPLIANCES,  
ELECTRIC & NON-ELECTRIC (SIC 332)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		South Korea		Sweden		Switzerland		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
661-17	Microwave Ovens	64072	10743	16.8	50851	79.4	1	-	2335	3.6	-	-	-	-	142	0.2
698-19	Pts. of Wash. Mach. Elec. Dom.	23584	22681	96.2	697	3.0	3	-	30	0.1	-	-	1	-	172	0.7
*662-89	Non-Elect. Equip. for Cook NES	21959	17558	80.0	577	2.6	3082	14.0	54	0.3	-	-	112	0.5	576	2.6
862-09	Sewing Machines, Dom.	18923	3038	16.1	3121	16.5	5836	30.8	118	0.6	478	2.5	2020	10.7	4312	22.8
697-54	Dishwasher, Electric, Dom.	18314	18300	99.9	-	-	-	-	-	-	-	-	-	-	14	0.1
*653-29	Heating Stoves & Space Heaters NES	17554	5093	29.0	8746	49.8	522	3.0	-	-	-	-	955	5.5	2238	12.7
698-05	Wash. Mach. Elec. Auto Dom	16997	14514	85.4	2480	14.6	-	-	-	-	-	-	-	-	3	-
697-55	Dishwasher Pts. Elec. Dom.	15363	14943	97.3	220	1.4	4	-	12	0.1	-	-	-	-	184	1.2
*662-99	Pts. of Non. Elect. Equip. for Cook	15320	14060	91.8	311	2.0	101	0.7	155	1.0	58	0.4	1	-	634	4.1
655-41	Refrigerators, Hhold size Electric	15268	10670	69.9	3	-	116	0.7	1666	10.9	712	4.7	-	-	2101	13.8

Source: Statistics Canada Cat. #65-007

TABLE 7 (cont'd) - 1983 IMPORTS OF MAJOR HOUSEHOLD APPLIANCES,  
ELECTRIC & NON-ELECTRIC (SIC 332)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		South Korea		Sweden		Switzerland		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
661-15	Cooking stoves, ranges, Elec., Dom.	12315	11970	97.2	-	-	136	1.1	-	-	-	-	4	-	205	1.7
655-49	Pts. of Refrig. & Freezer Hhold size	7509	7067	94.1	53	0.7	5	0.1	2	-	110	1.5	-	-	272	3.6
698-55	Clothes Dryers, Elect. Dom	6969	6178	88.7	763	10.9	-	-	-	-	-	-	-	-	28	0.4
*662-11	Cooking Stoves, Ranges Gas, Dom.	6158	6097	99.0	-	-	-	-	-	-	-	-	-	-	61	1.0
697-58	Garbage Disp. Units Elec. Dom. & Pts.	5859	5852	99.9	7	0.1	-	-	-	-	-	-	-	-	-	-
*655-43	Refrigerators, Hhld Size NES	3707	925	25.0	-	-	-	-	-	-	2097	56.6	121	3.2	564	15.2
698-57	Pts of Dom. Clothes Dryers	3633	3624	99.8	2	-	-	-	-	-	-	-	-	-	7	0.2
862-16	Pts. of Dom Sewing Mach.	3192	801	25.1	77	2.4	19	0.6	-	-	43	1.3	38	1.2	2214	69.4
*662-19	Cook Stoves, Ranges, Dom. NES	2189	1849	84.5	-	-	37	1.7	-	-	68	3.1	5	0.2	230	10.5

Source: Statistics Canada Cat. #65-007

TABLE 7 (cont'd) - 1983 IMPORTS OF MAJOR HOUSEHOLD APPLIANCES,  
ELECTRIC & NON-ELECTRIC (SIC 332)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		South Korea		Sweden		Switzerland		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
698-09	Wash Mach. Elect. Dom. Size NES	1452	784	54.0	668	46.0	-	-	-	-	-	-	-	-	-	-
*698-99	Laundry Equip. Dom. & Pts. NES	1201	790	65.8	-	-	18	1.5	-	-	-	-	-	-	393	32.7
655-06	Air Cond. Units, Room size	1166	1166	100.0	-	-	-	-	-	-	-	-	-	-	-	-
*653-24	Heat Stoves & Space Heaters Oil	994	106	10.7	881	88.6	2	0.2	-	-	-	-	-	-	5	0.5
862-12	Sew. Mach. Attach. Dom.	365	209	57.3	33	9.0	-	-	-	-	-	-	36	9.9	87	23.8
*698-56	Clothes Dryers, Gas Dom. Sizes	261	261	100.0	-	-	-	-	-	-	-	-	-	-	-	-
655-45	Freezers, Household size	219	173	79.0	-	-	-	-	-	-	46	21.0	-	-	-	-
	* Sub-Total Non-Electrical	69343	46739	67.4	10515	15.2	3762	5.4	209	0.3	2223	3.2	1194	1.7	4701	6.8
	Sub-Total Electrical	215200	132713	61.7	58975	27.4	6120	2.9	4163	1.9	1389	0.6	2099	1.0	9741	4.5
	Total SIC 332	284543	179452	63.1	69490	24.4	9882	3.5	4372	1.5	3612	1.3	3293	1.1	14442	5.1

Source: Statistics Canada Cat. #65-007



TABLE 8 - 1983 IMPORTS OF ELECTRONIC CONSUMER PRODUCTS (SIC 334)

Class No.	Commodity	Total	Supplier Countries													
			Japan		United States		South Korea		Hong Kong		Taiwan		Singapore		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
634-75	Tape Players, Tape Recorders (Exc. Pt.)	372891	344201	92.3	10544	2.8	8119	2.2	2028	0.6	2445	0.7	2796	0.7	2758	0.7
637-69	Combination Radio Phonograph Sets	170271	57984	34.0	40446	23.8	32233	18.9	11676	6.9	16886	9.9	6634	3.9	4412	2.6
637-14	TV Receiving Sets Colour Over 19 in.	117312	36246	30.9	64929	55.3	12853	11.0	8	-	3268	2.8	-	-	8	-
637-24	Radio Receiving Sets, Automobiles	104011	3559	3.4	67543	64.9	2052	2.0	615	0.6	52	0.1	192	0.2	29998	28.8
637-49	Radio Receiving Sets NES (Exc. Pts.)	67254	26873	40.0	2689	4.0	5498	8.2	21049	31.3	4395	6.5	4695	7.0	2055	3.0
637-11	TV Receiving Sets Colour Under 19 in.	56356	24009	42.6	5629	10.0	14042	24.9	290	0.5	2709	4.8	9288	16.5	389	0.7
637-15	TV Receiving Sets Under 19 in. NES	22870	1089	4.8	109	0.5	16616	72.6	325	1.4	4207	18.4	522	2.3	2	-
637-13	TV Receiving Sets Color 19 inches	18419	1321	7.2	17097	92.8	-	-	-	-	1	-	-	-	-	-
637-94	Receiving Antennae and Mountings	15949	933	5.8	13673	85.7	15	0.1	129	0.8	538	3.4	-	-	661	4.2
637-59	Phonograph Record Players, Domestic	1389	640	46.1	511	36.8	24	1.7	3	0.2	132	9.5	-	-	79	5.7
637-17	TV Receiving Sets 19 in. NES	898	-	-	7	0.8	-	-	-	-	891	99.2	-	-	-	-
634-49	Phonographs, Coin-Operated (Exc. Pts.)	493	-	-	333	67.5	-	-	-	-	-	-	-	-	160	32.5
637-18	TV Receiving Sets over 19 in. NES	287	92	32.1	26	9.0	169	58.9	-	-	-	-	-	-	-	-
	Total SIC 334	948400	496947	52.4	223536	23.6	91621	9.7	36123	3.8	35524	3.7	24127	2.5	40522	4.3

Source: Statistics Canada 65-007

TABLE 9 - 1983 IMPORTS OF COMMUNICATIONS EQUIPMENT  
(PART OF SIC 335)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Hong Kong		South Korea		Taiwan		United Kingdom		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
634-99	Commercial Communications Equip. NES	244057	170307	69.8	48253	19.8	220	0.1	2109	0.8	2943	1.2	6174	2.5	14051	5.8
634-19	Telephone Apparatus Equip. & Pts.	167190	104940	62.8	14849	8.9	15899	9.5	12554	7.5	10244	6.1	1776	1.1	6928	4.1
709-19	Navigation Instruments Appar. & Pts.	69011	61379	88.9	3411	5.0	479	0.7	-	-	3	-	1244	1.8	2495	3.6
634-90	Radio Transmitting- Receiving Units	39001	26967	69.1	5393	13.8	1779	4.6	1494	3.8	2137	5.5	67	0.2	1164	3.0
634-95	Radio TV. Broadcast Transm. Equip. NES	35442	24747	69.8	6570	18.5	4	-	-	-	163	0.5	825	2.3	3133	8.9
720-54	RR & Transit Sig. Systems & Pts. NES	34417	29391	85.4	5	-	-	-	-	-	-	-	267	0.8	4754	13.8
720-59	Alarm & Signal Systems & Pts. NES	29773	26167	87.9	928	3.1	652	2.2	362	1.2	276	0.9	773	2.6	615	2.1
634-39	Radar Equip. Rel. Devices & Pts. NES	29164	24390	83.6	968	3.3	18	0.1	-	-	40	0.1	3366	11.6	382	1.3
634-29	Telegraph Apparatus Equip. & Pts.	28499	23281	81.7	3496	12.3	13	-	-	-	8	-	480	1.7	1221	4.3
634-35	Sonar Echo Sounding Rel. Devices Pts.	25497	23289	91.3	628	2.5	-	-	-	-	-	-	544	2.1	1036	4.1
	Sub-Total Comms. Equip.	702051	514858	73.3	84501	12.0	19064	2.7	16519	2.4	15814	2.3	15516	2.2	35779	5.1
	Sub-Total Elec. Components	1582050	1194187	75.5	156204	9.9	17747	1.1	10586	0.7	59888	3.8	19318	1.2	124120	7.8
	Total SIC 335	2284101	1709045	74.8	240705	10.6	36811	1.6	27105	1.2	75702	3.3	34834	1.5	159899	7.0

Source: Statistics Canada Cat. #65-007

TABLE 9 (cont'd) - 1983 IMPORTS OF ELECTRONIC COMPONENTS  
(OTHER PART OF SIC 335)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		Mexico		United Kingdom		West Germany		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
638-39	Semi-Conductors NES	384127	374421	97.5	1356	0.4	855	0.2	668	0.2	313	-	1054	0.3	5460	1.4
639-99	Electronic Equip. Components NES	281973	214450	76.1	22468	8.0	8951	3.2	17173	6.1	3435	1.2	4079	1.4	11417	4.0
638-31	Integrated Circuits	249345	211573	84.9	5206	2.1	4542	1.8	539	0.2	3427	1.4	2870	1.1	21188	8.5
639-45	Speakers, Electronic Communic. & Pts.	75007	41994	56.0	17901	23.8	6213	8.3	82	0.1	3661	4.9	720	1.0	4436	5.9
638-49	Pts. of Semi-Conductors	71660	69733	97.3	1286	1.8	23	-	20	-	30	-	312	0.5	256	0.4
639-60	TV, Radio & Phonograph Set Chassis	71074	935	1.3	22320	31.4	14935	21.0	31553	44.4	-	-	8	-	1323	1.9
639-10	Capacitors, Electronic & Parts	63738	51200	80.3	2430	3.8	670	1.1	1339	2.1	1061	1.7	848	1.3	6190	9.7
638-14	Television Picture Tubes	62471	50911	81.5	10684	17.1	265	0.4	-	-	-	-	-	-	611	1.0
638-19	Electronic Tubes NES	51171	31441	61.4	8014	15.7	7165	14.0	-	-	2505	4.9	152	0.3	1894	3.7
639-55	Printed Circuit Boards	36534	26555	72.7	2463	6.8	5041	13.8	921	2.5	138	0.4	127	0.3	1289	3.5
634-45	Sound Amplifiers, Except Pts.	35365	11087	31.3	15851	44.8	1659	4.7	1	-	1835	5.2	64	0.2	4868	13.8
638-33	Semi-Conductors Transistor Type	34832	30380	87.2	656	1.9	40	0.1	205	0.6	663	1.9	977	2.8	1911	5.5
639-23	Transformers, Electronic Type & Pts.	34748	23047	66.3	1994	5.8	1327	3.8	221	0.6	167	0.5	2336	6.7	5656	16.3

Source: Statistics Canada 65-007

TABLE 9 (cont'd) - 1983 IMPORTS OF ELECTRONIC COMPONENTS  
(OTHER PART OF SIC 335)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		Mexico		United Kingdom		West Germany		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
639-92	Pts. of Phonograph Record Player NES	31340	3201	10.2	22443	71.6	350	1.1	-	-	1248	4.0	2118	6.8	1980	6.3
639-15	Resistors, Electronics & Pts.	25809	19418	75.2	1850	7.2	523	2.0	1359	5.3	109	0.4	187	0.7	2363	9.2
639-50	Tuners	18247	2024	11.1	9790	53.6	4505	24.7	232	1.3	45	0.2	16	0.1	1635	9.0
639-94	Pts. of Tape Players & Recorders, NES	12727	6326	49.7	3808	29.9	122	1.0	-	-	452	3.5	46	0.4	1973	15.5
639-30	Power Supply Units & Power Supplies	12125	7300	60.2	1493	12.3	1810	14.9	52	0.4	67	0.6	129	1.1	1274	10.5
639-24	Inductors & Coils Electronic & Pts.	10129	4994	49.3	957	9.4	670	6.6	2256	22.3	41	0.4	655	6.5	556	5.5
639-40	Microphones & Pts	7972	4301	54.0	2128	26.7	212	2.7	-	-	21	0.2	530	6.6	780	9.8
638-29	Pts. of Electronics Tubes NES	5041	2956	58.6	795	15.8	-	-	-	-	94	1.9	26	0.5	1170	23.2
638-16	Electronic Receiving Tubes	3516	3328	94.7	3	0.1	-	-	11	0.3	2	-	7	0.2	165	4.7
639-20	Crystals, Mounted & Holders	3100	2613	84.3	307	9.9	8	0.3	-	-	2	-	1	-	169	5.5
	Sub-Total Elec. Components	1582051	1194188	75.5	156203	9.9	59886	3.8	56632	3.5	19316	1.2	17262	1.1	78564	5.0
	Sub-Total Comms. Equip.	702051	514858	73.3	84501	12.0	15814	2.3	7696	1.1	15516	2.2	7793	1.1	55873	8.0
	Total SIC 335	2284102	1709046	74.8	240704	10.6	75700	3.3	64328	2.8	34832	1.5	25055	1.1	134437	5.9

Source: Statistics Canada Cat. #65-007

TABLE 10 - 1983 IMPORTS OF OFFICE AND STORE MACHINERY (SIC 318)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Hong Kong		West Germany		Taiwan		United Kingdom		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
771-22	Electronic Computers & Pts	2882790	2620931	90.9	109217	3.8	33887	1.2	14322	0.5	14859	0.5	16865	0.6	72709	2.5
919-47	Photocopy & Similar Mach. & Pts.	252606	163451	64.7	73141	28.9	679	0.3	1516	0.6	2	-	933	0.4	12884	5.1
771-15	Calculating Machines & Pts	51421	12236	23.8	27586	53.7	4326	8.4	32	-	6312	12.3	311	0.6	618	1.2
771-60	Pts Attach. & Access for Typewriters	49023	41397	84.5	656	1.3	1	-	1469	3.0	-	-	249	0.5	5251	10.7
771-48	Typewriters, Electric	29893	9574	32.0	9965	33.3	1	-	2528	8.5	1002	3.4	145	0.5	6678	22.3
771-46	Typewriters, Electronic, Word Proc.	24165	14813	61.3	2343	9.7	-	-	939	3.9	-	-	-	-	6070	25.1
771-12	Addressing, Mail Handling Machine & Pts.	14988	11236	75.0	1078	7.2	-	-	1407	9.4	-	-	430	2.8	837	5.6
771-26	Cash Registers	13461	4128	30.7	9332	69.3	-	-	-	-	1	-	-	-	-	-
771-99	Office Machines, Equip. & Pts. NES	12585	10185	80.9	622	4.9	145	1.2	1166	9.3	118	0.9	272	2.2	77	0.6
919-48	Microfilm Equip. & Pts.	11688	9813	84.0	1294	11.1	-	-	111	0.9	-	-	70	0.6	400	3.4
771-32	Coin Handling & Related Mach. & Pts.	10413	9359	89.9	45	0.4	-	-	136	1.3	-	-	50	0.5	823	7.9
771-36	Dictating, Transcribing Mach. & Pts.	7376	3639	49.3	1768	24.0	-	-	454	6.2	-	-	-	-	1515	20.5

Source: Statistics Canada 65-007

TABLE 10 (cont'd) - 1983 IMPORTS OF OFFICE AND STORE MACHINERY (SIC 318)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Hong Kong		West Germany		Taiwan		United Kingdom		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
771-20	Card Punching, Sort and Tab Mach. & Pts.	4107	3880	94.5	19	0.4	-	-	-	-	-	-	37	0.9	171	4.2
771-28	Pts. Attach. & Access for Cash Registers	2884	2195	76.1	676	23.4	-	-	-	-	-	-	-	-	13	0.5
771-40	Duplicating Machines & Pts.	2517	1672	66.4	325	12.9	-	-	2	0.1	-	-	245	9.7	273	10.9
771-04	Accounting, Bookkeeping Mach. & Pts. NES	2271	2135	94.0	2	0.1	-	-	-	-	-	-	130	5.7	4	0.2
919-49	Blue & White Proc. Equip. & Pts.	1540	1243	80.7	53	3.4	-	-	172	11.2	-	-	60	3.9	12	0.8
771-52	Typewriters, Portable, NES	1343	14	1.1	939	69.9	-	-	-	-	9	0.7	22	1.6	359	26.7
771-08	Adding Machines & Pts.	186	95	51.1	1	0.5	-	-	-	-	-	-	72	38.7	18	9.7
771-56	Typewriters, Standard, Non-Electric	112	7	6.2	2	1.8	-	-	1	0.9	-	-	-	-	102	91.1
	Sub-Total Office Machines	488472	297192	60.8	129828	26.6	5152	1.1	9933	2.0	7444	1.5	2989	0.6	35934	7.4
	Sub-Total Computers	2886897	2624811	90.9	109236	3.8	33887	1.2	14322	0.5	14859	0.5	16902	0.6	72880	2.5
	Total SIC 318	3375369	2922003	86.6	239064	7.1	39039	1.1	24255	0.7	22303	0.7	19891	0.6	108814	3.2

Source: Statistics Canada 65-007

TABLE 11 - 1983 IMPORTS OF INSTRUMENTS AND RELATED PRODUCTS (SIC 3911)

Class No.	Commodity	Total	Supplier Countries													
			United States		United Kingdom		France		West Germany		Japan		Switzerland		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
709-94	Geophysical Mineral Prosp. Equip. & Pt.	135525	121336	89.5	1103	0.8	9451	6.9	673	0.5	232	0.2	68	0.1	2662	2.0
702-90	Electric Meas. Test Instr. NES & Pts.	106197	94667	89.2	4860	4.6	886	0.8	2785	2.6	1101	1.0	227	0.2	1671	1.6
703-95	Pts. of Measuring and Control Instr. NES	67930	63702	93.8	1086	1.6	122	0.2	396	0.6	275	0.4	717	1.0	1632	2.4
703-78	Process. Multi-Function Control. Instrs.	38501	35919	93.3	555	1.4	553	1.4	72	0.2	122	0.3	144	0.4	1136	3.0
703-44	Flow Level Meas. Control Instr. & Pts.	31948	30645	95.9	466	1.5	93	0.3	353	1.1	106	0.3	47	0.2	238	0.7
703-75	Pressure Measuring and Control Instr.	29371	27739	94.5	366	1.2	179	0.6	232	0.8	112	0.4	36	0.1	707	2.4
703-79	Measuring & Controlling Instr. NES	26000	20835	80.1	1140	4.4	51	0.2	982	3.8	420	1.6	1049	4.0	1523	5.9
702-17	Elec. Property Measuring Instr. Pt.	25393	20272	79.8	498	2.0	29	0.1	906	3.6	1220	4.8	71	0.3	2397	9.4
702-18	Oscilloscope, Oscillo-graph & Access.	22064	18113	82.1	1683	7.6	13	0.1	103	0.5	1467	6.6	-	-	685	3.1

Source: Statistics Canada 65-007

TABLE 11 (cont'd) - 1983 IMPORTS OF INSTRUMENTS AND RELATED PRODUCTS (SIC 3911)

Class No.	Commodity	Total	Supplier Countries													
			United States		United Kingdom		France		West Germany		Japan		Switzerland		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
703-28	Thermostats	18968	17916	94.5	428	2.3	84	0.4	115	0.6	83	0.4	7	-	335	1.8
702-41	Signal Gen. Test. Oscillators & Pts.	15169	12342	81.4	1854	12.2	19	0.1	770	5.1	92	0.6	12	0.1	80	0.5
703-77	PH Measuring & Gas Analysis Instr.	14550	13284	91.3	425	2.9	1	-	94	0.7	325	2.2	143	1.0	278	1.9
707-15	Spectrophotometer Colorimeter & Pts.	13729	10935	79.7	1100	8.0	5	-	47	0.3	45	0.3	-	-	1597	11.7
702-22	Elec. Property Recording Instr. & Pt.	13354	11642	87.2	491	3.7	50	0.4	135	1.0	647	4.8	20	0.1	369	2.8
709-95	Nuclear Radiation Meas. Equip. & Pts.	10654	7831	73.5	404	3.8	39	0.4	280	2.6	13	0.1	24	0.2	2063	19.4
703-48	Motion Rotation Meas. Cont. Instr. & Pts.	9611	8091	84.2	155	1.6	11	0.1	663	6.9	428	4.5	70	0.7	193	2.0
703-25	Thermometers	8829	6921	78.4	239	2.7	51	0.6	146	1.6	599	6.8	16	0.2	857	9.7
703-71	Thermal Measure and Central Instr. NES	7855	7292	92.8	168	2.1	13	0.2	47	0.6	41	0.5	-	-	294	3.8
703-42	Gas Meters & Pts.	7345	7274	99.0	2	-	-	-	3	0.1	-	-	-	-	66	0.9

Source: Statistics Canada 65-007



TABLE 11 (cont'd) - 1983 IMPORTS OF INSTRUMENTS AND RELATED PRODUCTS (SIC 3911)

Class No.	Commodity	Total	Supplier Countries													
			United States		United Kingdom		France		West Germany		Japan		Switzerland		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
703-62	Meteorological Instr. Appara. & Pt.	4891	3275	67.0	467	9.5	213	4.4	314	6.4	500	10.2	3	0.1	119	2.4
703-73	Humidity Measuring & Control Instr.	3074	2329	75.8	102	3.3	51	1.7	11	0.4	10	0.3	7	0.2	564	18.3
	Total SIC 3911	610958	542360	88.8	17592	2.8	11914	2.0	9127	1.5	7838	1.3	2661	0.4	19466	3.2

Source: Statistics Canada Cat. #65-007

**EXPORTS**

**ELECTRONICS INDUSTRY & HOUSEHOLD ELECTRICAL APPLIANCES**



Commodity Class No.	TABLE 12 Leading "Total Export" Classes for The Electronics Industry and The Hhld. Electrical Appliances 1983	Value \$ Millions
771-21	Card sort. tab. & computers and parts	1287.7
634-19	Telephone apparatus, equipment & parts	576.5
638-41	Semi-conductors and parts	273.4
634-99	Commercial communication equipment nes	256.8
639-99	Electronic equipment components nes	219.9
709-19	Navigation instruments, apparatus & parts	197.7
634-90	Radio transmitting-receiving units	147.2
703-89	Meas. & meas. control instruments nes	82.8
655-99	Air cond. & refrig. equip. & parts nes	81.6
637-70	Combin. radio-phonograph sets (exc. pts.)	73.5
771-48	Typewriters, electric	62.3
637-20	Television receiving sets exc. combination	42.5
639-55	Printed circuit boards	41.6
702-90	Electricity - measuring instruments and parts	35.5
709-94	Geophysical equipment & parts nes	31.1
655-47	Refrigerators & freezers hhld. size	30.7
* 860-99	Household and personal equipment. nes	30.3
634-39	Radar equipment & related devices & parts	28.7
637-49	Radio receiving sets	25.7
634-95	Radio, TV broad. transm. equipments nes	23.8
697-99	Electrical equip. appliances & pts. nes	20.9
703-98	Parts for meas. & meas. control. instruments	20.6
771-99	Office machines & equip. & parts nes	17.1
638-21	Electronic tubes and parts	16.9
661-99	Elec. appls. for cooking & parts nes	12.3
662-99	Non-elec. equip. for cooking & parts	11.5
771-60	Parts attach. and access. for typewriters	10.7
661-18	Parts of elec. stoves, ranges & ovens	6.8
634-45	Sound amplifiers except parts	6.4
655-49	Parts of hhld. refrig. & freezers	5.9

\* Estimated 50% of total class "Household & Personal Equipment and parts nes", for sewing machines.

TABLE 13 - 1983 DOMESTIC EXPORTS AND RE-EXPORTS OF SMALL HOUSEHOLD APPLIANCES;  
ELECTRICAL AND NON-ELECTRICAL (SIC 331)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Australia		Hong Kong		Trinidad & Tobago		Republic of South Africa		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
697-99	Elec. Equip. Appls. & Pts. Domestic Exports	18032	14249	79.0	1655	9.2	537	3.0	99	0.5	168	0.9	157	0.9	1167	6.5
		2840	2551	89.8	16	0.6	-	-	218	7.7	-	-	-	-	55	1.9
661-99	Elec. Appls. for cooking & Pts. NES Domestic Exports	11175	7706	69.0	1396	12.5	193	1.7	83	0.7	200	1.8	208	1.9	1389	12.4
		1142	920	80.5	64	5.6	51	4.5	58	5.1	-	-	-	-	49	4.3
TOTAL SIC 331	Domestic Exports	29207	21955	75.2	3051	10.4	730	2.5	182	0.6	368	1.3	365	1.2	2556	8.8
	Re-Exports	3982	3471	87.2	80	2.0	51	1.3	276	6.9	-	-	-	-	104	2.6
	Total Exports	33189	25426	76.6	3131	9.4	781	2.4	458	1.4	368	1.1	365	1.1	2660	8.0

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Source: Statistics Canada Cat. #65-004

TABLE 14 - 1983 DOMESTIC EXPORTS AND RE-EXPORTS OF MAJOR HOUSEHOLD APPLIANCES;  
ELECTRICAL AND NON-ELECTRICAL (SIC 332)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Puerto Rico		Australia		Saudi Arabia		Union of United Arab (Emirat)		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
655-99	Air cond. & refrig. equip. & parts															
	Domestic Exports	77942	64169	82.3	1882	2.4	33	-	929	1.2	1140	1.5	998	1.3	8791	11.3
	Re-Exports	3665	3350	91.4	45	1.2	-	-	21	0.6	103	2.8	2	0.1	144	3.9
655-47	Refrig. & freezers, hhd size															
	Domestic Exports	30523	23653	77.5	619	2.0	2258	7.4	-	-	265	0.9	445	1.4	3283	10.8
	Re-Exports	170	162	95.3	-	-	-	-	-	-	-	-	-	8	4.7	
*860-99	(50%) Hhld. & Pers. Eq. NES															
	Domestic Exports	27814	22802	82.0	1678	6.0	181	0.7	391	1.4	130	0.5	10	-	2622	9.4
	Re-Exports	2495	2004	80.3	41	1.7	-	-	38	1.5	2	0.1	-	-	410	16.4
662-99	Non-elec. equip. for cooking & parts															
	Domestic Exports	11123	7035	63.3	1460	13.1	-	-	481	4.3	387	3.5	190	1.7	1570	14.1
	Re-Exports	420	317	75.5	25	5.9	-	-	-	-	58	13.8	-	-	20	4.8
661-18	Pts. for elec. cook. stoves															
	Domestic Exports	6610	3020	45.7	1657	25.1	-	-	302	4.6	15	0.2	-	-	1616	24.4
	Re-Exports	142	140	98.6	-	-	-	-	1	0.7	-	-	-	-	1	0.7
655-49	Pts of hhd refrig. & freezers															
	Domestic Exports	5810	5502	94.7	88	1.5	28	0.5	45	0.8	1	-	9	0.2	137	2.3
	Re-Exports	132	126	95.5	-	-	-	-	-	-	-	-	-	-	6	4.5
698-09	Wash. mach. electric															
	Domestic Exports	5604	1181	21.2	955	17.0	1265	22.6	674	12.0	492	8.8	6	0.1	1031	18.4
	Re-Exports	33	29	87.9	-	-	-	-	-	-	-	-	-	-	4	12.1

Source: Statistics Canada Catalogue #65-004

\* Estimated 50% of total class '860-99' for sewing machines.

TABLE 14 (cont'd) - 1983 DOMESTIC EXPORTS AND RE-EXPORTS OF MAJOR HOUSEHOLD APPLIANCES;  
ELECTRICAL AND NON-ELECTRICAL (SIC 332)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Puerto Rico		Australia		Saudi Arabia		Union of United Arab (Emirat)		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
698-99	Laundry equip., dom. & pts. NES															
	Domestic Exports	1854	749	40.4	286	15.4	130	7.0	425	22.9	20	1.1	-	-	244	13.2
	Re-Exports	78	56	71.8	-	-	-	-	-	-	-	-	-	-	22	28.2
698-19	Pts. of wash. machs. elec. dom.															
	Domestic Exports	1649	1016	61.6	102	6.2	155	9.4	237	14.4	38	2.3	3	0.2	98	5.9
	Re-Exports	27	26	96.3	1	3.7	-	-	-	-	-	-	-	-	-	-
860-89	Pts. attach. & access. for sewing machs.															
	Domestic Exports	1553	1447	93.2	-	-	-	-	-	-	-	-	-	-	106	6.8
	Re-Exports	112	102	91.1	-	-	-	-	-	-	-	-	-	10	8.9	
661-12	Elec. cook stoves & ranges															
	Domestic Exports	1409	915	65.0	87	6.2	-	-	30	2.1	-	-	30	2.1	347	24.6
	Re-Exports	116	114	98.3	-	-	-	-	-	-	-	-	-	2	1.7	
	TOTAL SIC 332															
	Domestic Exports	171891	131489	76.5	8814	5.1	4050	2.4	3514	2.1	2488	1.4	1691	1.0	19845	11.5
	Re-Exports	7390	6426	87.0	112	1.5	-	-	60	0.8	163	2.2	2	-	627	8.5
	Total Exports	179281	137915	76.9	8926	5.0	4050	2.3	3574	2.0	2651	1.5	1693	0.9	20472	11.4

Source: Statistics Canada Cat. #65-004

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TABLE 15 - 1983 DOMESTIC EXPORTS AND RE-EXPORTS OF RADIO AND TELEVISION RECEIVERS (SIC 334)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Puerto Rico		Japan		India		West Germany		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
637-70	Comb. radio phonograph sets															
	Domestic Exports	71094	71035	99.9	22	-	-	-	-	-	-	-	1	-	36	0.1
	Re-Exports	2392	2246	93.9	-	-	-	-	82	3.4	-	-	-	-	64	2.7
637-20	T.V. receiving sets, excl. combinations															
	Domestic Exports	42192	40905	97.0	-	-	1225	2.9	1	-	-	-	-	-	61	0.1
	Re-Exports	325	281	86.5	-	-	-	-	-	-	1	0.3	-	-	43	13.2
637-49	Radio receiving sets															
	Domestic Exports	23834	12225	51.3	11435	48.0	41	0.2	11	-	-	-	29	0.1	93	0.4
	Re-Exports	1856	1761	94.9	-	-	1	0.1	73	3.9	-	-	-	-	21	1.1
637-99	Phonographs & receiving antennae															
	Domestic Exports	2989	2431	81.3	28	0.9	28	0.9	8	0.3	178	6.0	1	-	315	10.6
	Re-Exports	642	380	59.2	7	1.1	-	-	93	14.5	-	-	134	20.8	28	4.4
	TOTAL SIC 334															
	Domestic Exports	140109	126596	90.4	11485	8.2	1294	0.9	20	-	178	0.1	31	-	505	0.4
	Re-Exports	5215	4668	89.5	7	0.1	1	-	248	4.8	1	-	134	2.6	156	3.0
	Total Exports	145324	131264	90.3	11492	7.9	1295	0.9	268	0.2	179	0.1	165	0.1	661	0.5

Source: Statistics Canada Cat. #65-004



TABLE 16 - 1983 DOMESTIC EXPORTS AND RE-EXPORTS OF  
COMMUNICATION EQUIPMENT (part of SIC 335)

Class No.	Commodity	Total	Country of Destination													
			United States		Turkey		United Kingdom		South Korea		Ireland		Trinidad & Tobago		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
634-19	Telephone equip., app. & parts															
	Domestic Exports	564455	309178	54.8	59297	10.5	27991	5.0	27039	4.8	32915	5.8	25632	4.5	82403	14.6
	Re-Exports	12066	10680	88.5	-	-	447	3.7	45	0.4	-	-	4	-	890	7.4
634-99	Commercial communication equip. nes															
	Domestic Exports	222392	139594	62.8	-	-	9355	4.2	964	0.4	641	0.3	1606	0.7	70232	31.6
	Re-Exports	34430	26147	76.0	11	-	935	2.7	104	0.3	20	0.1	8	-	7205	20.9
709-19	Navigation instruments, appar. & pts.															
	Domestic Exports	189832	144938	76.4	25	-	7191	3.8	550	0.3	1	-	3	-	37124	19.5
	Re-Exports	7820	6708	85.8	-	-	62	0.8	7	0.1	-	-	-	-	1043	13.3
634-90	Radio trans-receiving units															
	Domestic Exports	136942	80273	58.6	-	-	226	0.2	10537	7.7	53	-	-	-	45853	33.5
	Re-Exports	10237	4520	44.2	-	-	16	0.2	4525	44.1	-	-	-	-	1176	11.5
634-39	Radar equip. & rel. devices & pts.															
	Domestic Exports	26614	16302	61.2	-	-	402	1.5	2120	8.0	12	0.1	-	-	7778	29.2
	Re-Exports	2124	1528	71.9	-	-	110	5.2	-	-	-	-	-	-	486	22.9
634-95	Radio, T.V. broadc. transm. equip. nes															
	Domestic Exports	21469	14801	68.9	-	-	2065	9.6	5	-	-	-	122	0.6	4476	20.9
	Re-Exports	2337	2053	87.9	-	-	33	1.4	-	-	-	-	-	251	10.7	
634-29	Telegraph equip., appar. & parts															
	Domestic Exports	4475	497	11.1	-	-	3074	68.7	-	-	-	-	-	-	904	20.2
	Re-Exports	748	36	4.8	-	-	698	93.3	-	-	-	-	-	14	1.9	
	Total Communication Equip.															
	Domestic Exports	1166179	705583	60.5	59322	5.1	50304	4.3	41215	3.5	33622	2.9	27363	2.4	248770	21.3
	Re-Exports	69762	51672	74.1	11	-	2301	3.3	4681	6.7	20	-	12	-	11065	15.9
	Total Exports	1235941	757255	61.3	59333	4.8	52605	4.3	45896	3.7	33642	2.7	27375	2.2	259835	21.0

Source: Statistics Canada Cat. #65-004

TABLE 16 (cont'd) - 1983 DOMESTIC EXPORTS AND RE-EXPORTS OF ELECTRONIC COMPONENTS  
(other part of SIC 335)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		France		Hong Kong		Japan		West Germany		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
638-41	Semi-conductors & parts															
	Domestic Exports	244326	205059	85.2	4740	1.9	5638	2.3	7759	3.2	1281	0.5	1798	0.7	18051	7.4
	Re-Exports	29047	18733	64.5	1049	3.6	788	2.7	306	1.1	3475	12.0	325	1.1	4371	15.0
639-99	Electronic equip. components nes															
	Domestic Exports	185203	144500	78.0	7894	4.2	2370	1.3	576	0.3	2536	1.4	3658	2.0	23669	12.8
	Re-Exports	34705	26185	75.5	931	2.7	275	0.8	98	0.3	816	2.3	312	0.9	6088	17.5
639-55	Printed circuit boards															
	Domestic Exports	32534	25084	77.1	3689	11.3	64	0.2	147	0.5	52	0.2	785	2.4	2713	8.3
	Re-Exports	9062	8416	92.9	118	1.3	25	0.3	1	-	10	0.1	72	0.8	420	4.6
638-21	Electronic tubes & parts															
	Domestic Exports	12369	9706	78.5	386	3.1	55	0.5	-	-	37	0.3	263	2.1	1922	15.5
	Re-Exports	4484	3781	84.3	59	1.3	17	0.4	68	1.5	11	0.3	72	1.6	476	10.6
634-45	Sound amplifiers (except parts)															
	Domestic Exports	5896	5209	88.3	64	1.1	37	0.6	5	0.1	216	3.7	47	0.8	318	5.4
	Re-Exports	493	425	86.2	3	0.6	-	-	-	-	6	1.2	34	6.9	25	5.1
639-23	Transformers, electronic & parts															
	Domestic Exports	5124	3770	73.6	193	3.7	3	0.1	-	-	-	-	148	2.9	1010	19.7
	Re-Exports	292	277	94.9	-	-	-	-	-	-	2	0.7	-	-	13	4.4
639-15	Resistors, electronic & parts															
	Domestic Exports	3793	3133	82.6	69	1.8	27	0.7	2	0.1	3	0.1	23	0.6	536	14.1
	Re-Exports	285	276	96.8	-	-	-	-	-	-	4	1.4	-	-	5	1.8
639-60	T.V., radio & phonograph set chassis															
	Domestic Exports	550	549	99.8	-	-	1	0.2	-	-	-	-	-	-	-	-
	Re-Exports	985	915	92.9	-	-	-	-	9	0.9	-	-	-	-	61	6.2
639-60	TOTAL Electronic Components															
	Domestic Exports	489795	397010	81.1	17035	3.5	8195	1.7	8489	1.7	4125	0.8	6722	1.4	48219	9.8
	Re-Exports	79353	59008	74.4	2160	2.7	1105	1.4	482	0.6	4324	5.5	815	1.0	11459	14.4
	Total Exports	569148	456018	80.1	19195	3.4	9300	1.6	8971	1.6	8449	1.5	7537	1.3	59678	10.5

Source: Statistics Canada Cat. #65-004

TABLE 17 - 1983 DOMESTIC EXPORTS AND RE-EXPORTS OF OFFICE AND STORE MACHINERY (SIC 318)

Class No.	Commodity	Total	Country of Destination													
			United States		Netherlands		United Kingdom		Japan		France		Australia		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
771-21	Card punch tab. sort & computers & parts															
	Domestic Exports	990738	727243	73.4	37071	3.7	33247	3.4	24335	2.5	19626	2.0	13989	1.4	135227	13.6
	Re-Exports	296985	272452	91.7	3139	1.1	3327	1.1	4589	1.6	1568	0.5	1079	0.4	10831	3.6
771-48	Typewriters, electric															
	Domestic Exports	60273	53515	88.8	-	-	4	-	1861	3.1	1	-	-	-	4892	8.1
	Re-Exports	2014	1792	89.0	-	-	-	-	50	2.5	-	-	151	7.5	21	1.0
771-99	Office mach. equip. & pts. nes															
	Domestic Exports	12236	6576	53.7	55	0.4	1189	9.7	238	2.0	1534	12.5	763	6.3	1881	15.4
	Re-Exports	4854	3911	80.6	8	0.2	11	0.2	248	5.1	139	2.8	193	4.0	344	7.1
771-60	Pts. attach. & access. for typewriters															
	Domestic Exports	4490	2472	55.1	102	2.3	1	-	456	10.2	65	1.4	871	19.4	523	11.6
	Re-Exports	6251	3181	50.9	122	2.0	-	-	-	-	63	1.0	2692	43.0	193	3.1
771-52	Typewriters, portable, nes															
	Domestic Exports	235	2	0.9	-	-	-	-	-	-	-	-	-	-	233	99.1
	Re-Exports	159	149	93.7	-	-	-	-	-	-	-	-	-	10	6.3	
771-59	Typewriters nes															
	Domestic Exports	152	14	9.2	-	-	-	-	-	-	-	-	-	-	138	90.8
	Re-Exports	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
771-08	Adding machines & pts															
	Domestic Exports	12	10	88.3	-	-	-	-	-	-	-	-	-	-	2	16.7
	Re-Exports	78	78	100.0	-	-	-	-	-	-	-	-	-	-	-	-
	Total SIC 318															
	Domestic Exports	1068136	789832	73.9	37228	3.5	34441	3.2	26890	2.5	21226	2.0	15623	1.5	142896	13.4
	Re-Exports	310341	281563	90.7	3269	1.0	3338	1.1	4887	1.6	1770	0.6	4115	1.3	11399	3.7
	Total Exports	1378477	1071395	77.7	40497	2.9	37779	2.8	31777	2.3	22996	1.7	19738	1.4	154295	11.2

Source: Statistics Canada Cat. #65-004

TABLE 18 - 1983 DOMESTIC EXPORTS AND RE-EXPORTS OF INSTRUMENTS (SIC 3911)

Class No.	Commodity	Total	Country of Destination													
			United States		United Kingdom		Australia		Mexico		Japan		West Germany		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
703-89	Meas. & control instrs. nes															
	Domestic Exports	69328	46766	67.4	2906	4.2	2541	3.7	2778	4.0	1860	2.7	1357	2.0	11120	16.0
	Re-Exports	13492	12150	90.0	282	2.1	17	0.1	95	0.7	75	0.6	177	1.3	696	5.2
702-90	Electricity meas. instrs. & pts.															
	Domestic Exports	25979	16486	63.5	1234	4.7	166	0.6	49	0.2	434	1.7	368	1.4	7242	27.9
	Re-Exports	9488	9000	94.9	119	1.2	3	-	-	-	16	0.2	65	0.7	285	3.0
709-94	Geophysical mineral prospect. equip. & pts.															
	Domestic Exports	19860	11169	56.2	567	2.9	491	2.5	40	0.2	162	0.8	395	2.0	7036	35.4
	Re-Exports	11223	9333	83.2	249	2.2	314	2.8	-	-	1	-	5	-	1321	11.8
703-98	Pts. of meas. & control instrs.															
	Domestic Exports	17161	11258	65.6	2886	16.8	247	1.5	25	0.1	57	0.3	121	0.7	2567	15.0
	Re-Exports	3419	2862	83.7	17	0.5	5	0.2	-	-	8	0.2	28	0.8	499	14.6
703-71	Thermal meas. & control instrs. nes															
	Domestic Exports	3149	2518	80.0	14	0.4	29	0.9	-	-	7	0.2	81	2.6	500	15.9
	Re-Exports	172	162	94.2	10	5.8	-	-	-	-	-	-	-	-	-	-
703-28	Thermostats															
	Domestic Exports	2966	2094	70.6	131	4.4	12	0.4	-	-	22	0.7	8	0.3	699	23.6
	Re-Exports	555	553	99.6	-	-	-	-	-	-	-	-	-	-	2	0.4
	TOTAL SIC 3911															
	Domestic Exports	138443	90291	65.2	7738	5.6	3486	2.5	2892	2.1	2542	1.8	2330	1.7	29164	21.1
	Re-Exports	38349	34060	88.8	677	1.8	339	0.9	95	0.2	100	0.3	275	0.7	2803	7.3
	Total Exports	176792	124351	70.3	8415	4.8	3825	2.1	2987	1.7	2642	1.5	2605	1.5	31967	18.1

Source: Statistics Canada Cat. #65-004



**MISCELLANEOUS TABLES**



TRADE COMMODITY CLASSIFICATIONS (1983)

GROUPED BY S.I.C.

HOUSEHOLD ELECTRICAL APPLIANCES INDUSTRY

S.I.C. 331 - SMALL HOUSEHOLD APPLIANCES

IMPORTS

N.E. Water tank heaters, gas	653-53
N.E. Water heaters nes	653-71
N.E. Heating equipment nes	653-89
N.E. Pts. of water heaters nes	653-94
N.E. Pts. of heating equipment nes	653-99
Air heaters, electric, portable	653-31
Water tank heaters, electric	653-69
Humidifiers & dehumidifiers & parts	655-29
Toasters & waffle irons, electric	661-59
Electric appls. for cooking food nes	661-89
Heating elements for elec. cook. appls.	661-95
Pts. of electric cooking appls. nes	661-99
Vacuum cleaners, elec., domestic	692-09
Cleaning equip. electric nes	692-15
Pts. of elec. cleaning equip.	692-19
Floor polishers, elec. & pts.	692-29
Floor sanders, elec. & parts	692-32
Food mixers, juicers Elec. & pts. nes	697-04
Food prep. appls. elec. & parts	697-19
Fans, air circ., elec. port. & pts.	697-62
Fans, unit vent & roof vent elec & pts.	697-69
Electric blankets & parts	697-71
Elec. hair styling equip. dom & pts.	697-81
Electric can openers & parts	697-85
Electrical equip. appls. & parts	697-99
Flat irons, elec. & parts	698-35

EXPORTS

Elec appls. for cooking & parts nes	661-99
Elec. equip. appls. & parts nes	697-99



S.I.C. 332 - MAJOR HOUSEHOLD APPLIANCES

IMPORTS

N.E. Heating stoves, space heaters, oil	653-24
N.E. Heating stoves & space heaters, nes	653-29
N.E. Refrigerators, hhld. size nes	655-43
N.E. Cooking stoves & ranges gas domestic	662-11
N.E. Cooking stoves & ranges, dom. nes	662-19
N.E. Non-elec. equip. for cooking nes	662-89
N.E. Pts. of non-elec. equip. for cooking	662-99
N.E. Clothes dryers, gas domestic size	698-56
N.E. Laundry equip. domestic & parts	698-99
Air cond. units, room size	655-06
Refrigerators, household size, electric	655-41
Freezers, household size	655-45
Pts. of refrigerators, freezers hhld.	655-49
Cooking stoves, ranges electric dom.	661-15
Microwave ovens	661-17
Dishwashers, electric, domestic	697-54
Dishwashers pts. elec. domestic	697-55
Garbage disposal units, elec dom & pts	697-58
Washing mach. elec. automatic, dom.	698-05
Washing mach. elec. domestic size nes	698-09
Pts. of washing mach. elec. domestic	698-19
Clothes dryers, elec. domestic	698-55
Parts of domestic clothes dryers	698-57
Sewing machines, domestic	862-09
Sewing machine attach. domestic	862-12
Pts. of dom sewing machines	862-16

EXPORTS

N.E. Non-elec. equip for cooking & parts	662-99
Refrigerators & freezers hhld. size	655-47
Pts. of hhld. refrig. & freezers	655-49
Air cond. & refrig. equip. & pts. nes	655-99
Elec. stoves, ranges & ovens	661-12
Pts. of elec. stoves, ranges & ovens	661-18
Washing mach. elec. dom. size	698-09
Pts. of washing mach. elec. domestic	698-19
Laundry equip. dom. & parts nes	698-99
Pts. attach. dom., for sewing mach.	860-89
Hhld. & personal equip. & pts. nes (50%)	860-99

TRADE COMMODITY CLASSIFICATIONS (1982)

GROUPED BY S.I.C.

ELECTRONICS INDUSTRY

S.I.C. 334 - HHL.D. RADIO & T.V.

IMPORTS

Phonographs, coin-operated, exc. pts.	634-49
Tape players, recorders exc. pts.	634-75
T.V. receiving sets, color, under 19"	637-11
T.V. receiving sets, color, 19"	637-13
T.V. receiving sets, color, over 19"	637-14
T.V. receiving sets, nes under 19"	637-15
T.V. receiving sets, nes 19"	637-17
T.V. receiving sets, nes over 19"	637-18
Radio receiving sets, automobile	637-24
Radio receiving sets, nes (exc. pts.)	637-49
Phonograph record players, dom exc. pts.	637-59
Comb. radio-phonograph sets exc. pts.	637-69
Receiving antennae & mountings exc. pts.	637-94

EXPORTS

T.V. receiving sets, exc. comb. exc. pts.	637-20
Radio receiving sets	637-49
Comb. radio-phonograph sets exc. pts.	637-70
Phonographs & dom receiving antennae	637-99

S.I.C. 335 - COMMUNICATIONS EQUIPMENT

IMPORTS

Telephone appar. equip. & parts	634-19
Telegraph appar. equip. & parts	634-29
Sonar echo sound. & rel. dev. & pts.	634-35
Radar equip. & rel. dev. & pts. nes	634-39
Radio transmitting receiving units	634-90
Radio, T.V., broad. Transm. equip. nes	634-95
Commercial communication equip. nes	634-99
Navigation instr., appar. & pts.	709-19
RR & transit signal system & pts. nes	720-54
Alarm & signal systems & ptc. nes	720-59

EXPORTS

Telephone appar. equip. & parts	634-19
Telegraph appar. equip. & parts	634-29
Radar equip. & rel. devices & pts.	634-39
Radio transm. - receiving units	634-90
Radio, T.V. broad, transm. equip. nes	634-95
Commercial communication equip. nes	634-99
Navigation instrs., appar. & pts.	709-19

S.I.C. 335 - ELECTRONIC COMPONENTS

IMPORTS

Sound amplifiers	634-45
Television picture tubes	638-14
Electronic receiving tubes	638-16
Electronic tubes nes	638-19
Pts. of electronic tubes nes	638-29
Integrated circuits	638-31
Semi-conductors, transistor type	638-33
Semi-conductors nes	638-39
Parts of semi-conductors	638-49
Capacitors, electronic & parts	639-10
Resistors, electronic & parts	639-15
Crystals, mounted & holders	639-20
Transformers, electronic type & pts.	639-23
Inductors & coils electronic & pts.	639-24
Power supply units & pts., pks electro.	639-30
Microphone & parts	639-40
Speakers, electronic communication & pts.	639-45
Tuners	639-50
Printed circuit boards	639-55
T.V., radio & phono, sets chassis	639-60
Pts. of phono record players nes	639-92
Pts. of tape players & recorders	639-94
Electronic equip. components nes	639-99

S.I.C. 335 - ELECTRONIC COMPONENTS

EXPORTS

Sound amplifiers exc. pts	634-45
Electronic tubes & parts	638-21
Semi-conductors & parts	638-41
Resistors, electronic & parts	639-15
Transformers, electronic & parts	639-23
Printed circuit boards	639-55
T.V., radio & phono. sets chassis	639-60
Electronic equip. components nes	639-99

S.I.C. 318 - OFFICE MACHINES

IMPORTS

Acc. bookkeep. machs. & pts. nes	771-04
Adding machines & parts	771-08
Address., mail handl. machs. & pts.	771-12
Calculating machs. & parts	771-15
Card punch. sort. & tab. machs. & pts.	771-20
Electronic computers & pts.	771-22
Cash registers	771-26
Pts. & attach. for cash registers	771-28
Coin handl. & rel. machs. & pts.	771-32
Dictating & transcr. machs. & pts.	771-36
Duplicating machines & parts	771-40
Typewriters, electronic, word proc.	771-46
Typewriters, electric	771-48
Typewriters, portable	771-52
Typewriters, standard, non-electric	771-56
Pts. attach. & access. for typewriters	771-60
Office machs. equip. & pts. nes	771-99
Photocopy & similar machs. & pts.	919-47
Microfilm equip. & parts	919-48
Blue & white print proc. equip. & pts.	919-49

EXPORTS

Adding machs. & parts	771-08
Card punch sort tab computers & pts.	771-21
Typewriters, electric	771-48
Typewriters, portable nes	771-52
Typewriters, nes	771-59
Pts. attach. & access. for typewriter	771-60
Office machine & equip. & parts nes	771-99

S.I.C. 3911 - INSTRUMENTS & RELATED PRODUCTS

	<u>IMPORTS</u>
Elec. prop. meas. instr. & pts.	702-17
Oscilloscope, oscillograph & access.	702-18
Elec. prop. record. instrs. & pts.	702-22
Signal gen. & test oscillators	702-41
Elec. & electro. meas. test. instrs. pts.	702-90
Thermometers	703-25
Thermostats	703-28
Gas meters & parts	703-42
Flow level meas. & control. instrs. pts.	703-44
Motion, rotation meas. control. instrs.	703-48
Meteorological instrs. appar. & pts.	703-62
Thermal meas. & control. instr. nes	703-71
Humidity meas. & control instrs.	703-73
Pressure meas. & control instrs.	703-75
PH meas. & gas analysis instrs.	703-77
Comb. meas. & multi function instr.	703-78
Meas. & control. instr. nes	703-79
Parts of meas. & control. instr. nes	703-95
Spectrophotometer colorimeter & pts.	707-15
Geophysical mineral pros. equip. pts.	709-94
Nuclear radiation meas. equip. & pts.	709-95
	<u>EXPORTS</u>
Electricity-meas. instr. & parts	702-90
Thermostats	703-28
Thermal meas. & meas. control. instr.	703-71
Meas. & meas. control instrs. nes	703-89
Pts. for meas. & meas. control instr.	703-98
Geophysical equip. & parts nes	709-94

NOTE: Re-export codes are the same as exports

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