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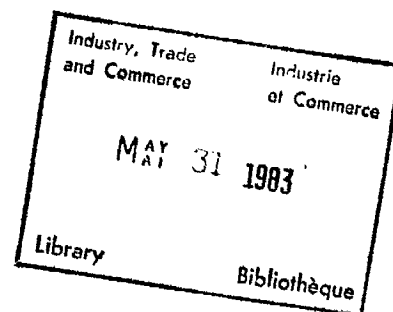
et Expansion
économique régionale

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ELECTRICAL AND ELECTRONICS INDUSTRIES STATISTICAL SUMMARY

1982 Edition

Canada



THE ELECTRICAL AND ELECTRONICS INDUSTRIES
STATISTICAL SUMMARY - 1982 EDITION

(issued June 1983)

This statistical summary is based on data
provided by Statistics Canada.

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DOMESTIC MARKET, FOREIGN TRADE
AND EMPLOYMENT FOR THE
ELECTRICAL AND ELECTRONICS INDUSTRIES

1982
DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE ELECTRICAL & 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
Electrical & Electronics Industries	10638	8217	3284	471	3755	15100	54.4	30.9	-4462	70.5	139365	125161
Electrical Industry	5085	1930	685	51	736	6279	30.7	13.5	-1194	81.0	69667	58143
331 - Small Appliances	346	363	25	4	29	680	53.4	7.2	-334	50.9	4923	4061
332 - Major Appliances	773	241	148	8	156	858	28.1	19.1	-85	90.1	6902	6487
333 - Lighting Fixtures	249	57	15	2	17	289	19.7	6.0	-40	86.2	(incl. in 3399)	
336 - Electrical Industrial Eqpt.	1797	686	247	17	264	2219	30.9	13.7	-422	81.0	27503	23161
3391- Batteries	201	84	27	3	30	255	32.9	13.4	-54	78.8	3206	2489
338 - Electric Wire & Cable	1022	170	105	2	107	1085	15.7	10.3	-63	94.2	8657	7441
3399- Misc. Electrical Products	697	329	118	15	133	893	36.8	16.9	-196	78.1	16948	12816
330 - Head Office											1528	1688
Electronics Industry	5553	6287	2599	420	3019	8821	71.3	46.8	-3268	63.0	69698	67018
334 - Radio and Television	398	680	107	5	112	966	70.4	26.9	-568	41.2	5151	3820
335 - Communication & Components	3000	1876	1424	118	1542	3334	56.9	47.5	-334	90.0	42853	39820
318 - Office Machines	1170	2863	927	260	1187	2846	100.6	7.9	-1676	41.1	8579	10829
3911- Instruments (est.)	985	868	141	37	178	1675	51.8	14.3	-690	58.8	11587	10861
330 - Head Office											1528	1688

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 ELECTRICAL & ELECTRONICS INDUSTRIES

Industry Grouping	- million dollars -						Apparent Domestic Market (Note 1)	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							
Electrical & Electronics Industries	10751	8251	3185	417	3602	15400	53.6	29.6	-4649	69.8	160283	
Electrical Industry	5414	2057	699	41	740	6731	30.6	12.9	-1317	80.4	78268	
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	
333 - Lighting Fixtures	292	76	17	2	19	349	21.8	5.8	-57	83.7	3644	
336 - Electrical Industrial Eqpt.	1832	724	239	14	253	2303	31.4	13.0	-471	79.5	30060	
3391- Batteries	263	102	38	2	40	325	31.4	14.4	-62	80.9	3240	
338 - Electric Wire & Cable	1308	113	110	2	112	1309	8.6	8.4	-1	99.9	9157	
3399- Misc. Electrical Products	842	348	117	9	126	1064	32.7	13.9	-222	79.1	13955	
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 - Communication & Components	2786	2038	1368	99	1467	3357	60.7	49.1	-571	83.0	46330	
318 - Office Machines	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	

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 ELECTRICAL & 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)					
Electrical & Electronics Industries	9534	6641	2634	356	2990	13185	50.4	27.6	-3651	72.3	151173
Electrical Industry	5084	1788	638	35	673	6199	28.8	12.5	-1115	82.0	76320
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
333 - Lighting Fixtures	260	67	14	2	16	311	21.5	5.4	-51	83.6	3728
336 - Electrical Industrial Eqpt.	1583	623	222	12	234	1972	31.6	14.0	-389	80.3	28530
3391- Batteries	225	84	26	2	28	281	29.9	11.6	-56	80.1	3168
338 - Electric Wire & Cable	1178	91	102	1	103	1166	7.8	8.7	+12	101.0	8691
3399- Misc. Electrical Products	668	327	119	9	128	867	37.7	17.8	-199	77.0	13212
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 - Communication & Components	2329	1691	1041	97	1138	2882	58.7	44.7	-553	80.8	43343
318 - Office Machines	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

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 ELECTRICAL & ELECTRONICS INDUSTRIES

	- 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)					
Electrical & Electronics	8107	5610	2212	293	2505	11212	50.0	27.3	-3105	72.3	146095
Electrical Industry	4589	1736	592	28	620	5705	30.4	12.9	-1116	80.4	77431
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
333 - Lighting Fixtures	230	63	14	1	15	278	22.7	6.1	-48	82.7	3501
336 - Electrical Industrial Eqpt.	1398	641	205	12	217	1822	35.2	14.7	-424	76.7	28733
3391- Batteries	220	79	25	1	26	273	28.9	11.4	-53	80.6	3245
338 - Electric Wire & Cable	1075	86	81	1	82	1079	8.0	7.5	-4	99.6	9383
3399- Misc. Electrical Products	575	298	118	6	124	749	39.8	20.5	-174	76.8	13524
Electronics Industry	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 - Communication & Components	1814	1411	750	71	821	2404	58.7	41.3	-590	75.5	39326
318 - Office Machines	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

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 ELECTRICAL & ELECTRONICS INDUSTRIES

	- million dollars -						Apparent Domestic Market (Note 1)	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							
Electrical & Electronics	6600	4527	1592	184	1776	9351	48.4	24.1	-2751	70.6	128847	
Electrical Industry	3731	1462	406	26	432	4761	30.7	10.9	-1030	78.4	68997	
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	
333 - Lighting Fixtures	189	52	13	1	14	227	22.9	6.9	-38	83.2	3928	
336 - Electrical Industrial Eqpt.	1141	534	123	12	135	1540	34.7	10.8	-399	74.1	27150	
3391- Batteries	169	63	17	-	17	215	29.3	10.1	-46	78.8	3026	
338 - Electric Wire & Cable	793	61	56	1	57	797	7.7	7.1	-4	99.5	9036	
3399- Misc. Electrical Products	481	238	94	5	99	620	38.4	19.5	-139	77.6	12925	
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 - Communication & Components	1532	1007	528	45	573	1966	51.2	34.5	-434	77.9	37895	
318 - Office Machines	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	

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.

1977
DOMESTIC MARKET, FOREIGN TRADE, & EMPLOYMENT FOR THE ELECTRICAL & ELECTRONICS INDUSTRIES

	- 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)					
Electrical & Electronics	5784	3644	1166	142	1308	8120	44.9	20.2	-2336	71.2	133394
Electrical Industry	3253	1237	302	200	322	4168	29.7	9.3	-915	78.0	70755
331 - Small Appliances	258	228	13	2	15	471	48.4	5.0	-213	54.8	5861
332 - Major Appliances	576	218	68	6	74	720	30.3	11.8	-144	80.0	11170
333 - Lighting Fixtures	174	49	9	1	10	213	23.0	5.2	-39	81.6	3717
336 - Electrical Industrial Eqpt.	1081	432	100	6	106	1407	30.7	9.3	-326	76.8	28463
3391- Batteries	145	53	14	-	14	184	28.8	9.7	-39	79.0	2967
338 - Electric Wire & Cable	678	61	39	1	40	699	8.7	5.8	-21	96.9	8958
3399- Misc. Electrical Products	341	196	59	4	63	474	41.4	17.3	-133	71.9	9619
Electronics Industry	2531	2407	864	122	986	3952	60.9	34.1	1421	64.1	62639
334 - Radio and Television	166	421	55	2	57	530	79.4	33.1	-364	31.3	3382
335 - Communication & Components	1441	824	397	39	436	1829	45.1	27.6	-388	78.8	36676
318 - Office Machines	417	804	347	67	414	807	99.6	83.2	-390	51.7	10169
3911- Instruments	507	358	65	14	79	786	45.5	12.8	-279	64.5	12412

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.

1976

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

	- 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)					
Electrical & Electronics	5619	3224	1107	123	1230	7613	42.3	19.7	-1994	73.8	143259
Electrical Industry	3097	1116	266	19	285	3928	28.4	8.6	-831	78.8	74660
331 - Small Appliances	253	213	14	2	16	450	47.3	5.5	-197	56.2	6307
332 - Major Appliances	547	209	56	4	60	696	30.0	10.2	-149	78.6	11888
333 - Lighting Fixtures	163	46	7	1	8	201	22.9	4.3	-38	81.0	3855
336 - Electrical Industrial Eqpt.	1019	389	104	6	110	1298	30.0	10.2	-279	78.5	31427
3391- Batteries	126	47	9	1	10	163	28.8	7.1	-37	77.2	2969
338 - Electric Wire & Cable	649	46	24	1	25	670	6.9	3.7	-21	96.7	9649
3399- Misc. Electrical Products	340	166	52	4	56	450	36.9	15.3	-110	75.5	10365
Electronics Industry	2522	2108	841	104	945	3685	57.2	33.3	-1163	68.4	66799
334 - Radio and Television	254	384	31	1	32	606	63.4	12.2	-352	41.9	6347
335 - Communication & Components	1383	713	420	41	461	1635	43.6	30.4	-252	84.6	38467
318 - Office Machines	412	736	331	48	379	769	95.7	80.3	-357	53.6	9758
3911- Instruments	473	275	59	14	73	675	40.7	12.5	-202	70.0	12227

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.

1975

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

	- million dollars -										
	Shipments	Imports	Domestic Exports	Re-Exports	Total Exports	Apparent Domestic Market (Note 1)	Imports A.D.M. %	Domestic Exports Ship. %	Trade Balance \$ Millions	Ship. A.D.M. %	Employment - Units - Census of Mfrs.
Electrical & Electronics	5387	2759	995	127	1122	7024	39.3	18.5	-1637	76.7	147442
Electrical Industry	2958	976	256	20	276	3658	26.7	8.7	-700	80.8	76791
331 - Small Appliances	248	1719	19	2	21	398	43.0	7.7	-150	62.3	7132
332 - Major Appliances	504	152	46	5	51	605	25.1	9.1	-101	83.3	11753
333 - Lighting Fixtures	160	38	9	1	10	188	20.2	5.6	-28	84.9	3980
336 - Electrical Industrial Eqpt.	912	375	97	6	103	1184	31.7	10.6	-272	77.0	29293
3391- Batteries	109	43	7	1	8	144	29.9	6.4	-35	75.4	2755
338 - Electric Wire & Cable	646	51	31	1	32	665	7.7	4.8	-19	97.1	10134
3399- Misc. Electrical Products	379	146	47	4	51	474	30.8	12.4	-95	80.0	11744
Electronics Industry	2429	1783	739	107	846	3366	53.0	30.4	-937	72.2	70651
334 - Radio and Television	274	252	27	5	32	494	51.0	9.9	-220	55.4	7036
335 - Communication & Components	1368	595	389	44	433	1530	38.9	28.4	-162	89.4	42041
318 - Office Machines	373	659	272	45	317	715	92.2	72.9	-342	52.2	9613
3911- Instruments	414	277	51	13	64	627	44.2	12.3	-213	66.0	11961

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.

1974

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

	- 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)					
Electrical & Electronics Industries	5049	2743	929	124	1053	6739	40.7	18.4	-1690	74.9	156121
Electrical Industry	2805	910	261	13	274	3441	26.4	9.3	-636	81.5	80664
331 - Small Appliances	252	159	21	1	22	389	40.9	8.3	-137	64.8	8148
332 - Major Appliances	511	176	60	3	63	624	28.3	11.7	-113	81.9	13100
333 - Lighting Fixtures	151	43	10	-	10	184	23.4	6.6	-33	82.2	3944
336 - Electrical Industrial Eqpt.	765	310	86	5	91	984	31.5	11.2	-219	77.8	30076
3391- Batteries	97	32	7	-	7	122	26.2	7.2	-25	79.8	2586
338 - Electric Wire & Cable	674	45	33	1	34	685	6.6	4.9	-11	98.3	10539
3399- Misc. Electrical Products	355	145	44	3	47	453	32.0	12.4	-98	78.4	12001
Electronics Industry	2244	1833	668	111	779	3298	55.6	29.8	-1054	68.0	75457
334 - Radio and Television	315	309	33	3	36	588	52.6	10.5	-273	53.5	8259
335 - Communication & Components	1225	636	375	33	408	1453	43.8	30.6	-228	84.3	44281
318 - Office Machines	346	608	217	63	280	674	90.2	62.7	-328	51.3	11397
3911- Instruments	358	280	43	12	55	583	48.0	12.0	-225	61.4	11520

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.

1973

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

	- 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)					
Electrical & Electronics	4140	2220	797	93	890	5470	40.6	19.3		75.6	150006
Electrical Industry	2297	687	194	13	207	2777	24.7	8.4	-480	82.7	75461
331 - Small Appliances	206	117	11	1	12	311	37.6	5.3	-105	66.2	6950
332 - Major Appliances	463	119	47	3	50	532	22.4	10.2	-69	87.0	13455
333 - Lighting Fixtures	116	32	14	1	15	133	24.1	12.1	-17	86.8	3684
336 - Electrical Industrial Eqpt.	604	253	51	6	57	800	31.6	8.4	-196	75.5	27579
3391- Batteries	89	21	5	-	5	105	20.0	5.6	-16	84.9	2649
338 - Electric Wire & Cable	527	31	28	-	28	530	5.8	5.3	-3	99.5	9830
3399- Misc. Electrical Products	292	114	38	2	40	366	31.1	13.0	-74	79.8	11314
Electronics Industry	1843	1533	603	80	683	2693	56.9	36.4	-850	68.4	74545
334 - Radio and Television	352	265	32	2	34	583	45.5	9.1	-231	60.3	8748
335 - Communication & Components	889	544	324	27	351	1082	50.3	36.4	-193	82.2	43719
318 - Office Machines	287	497	205	39	244	540	92.0	71.4	-253	53.2	10866
3911- Instruments	315	227	42	12	54	488	46.5	13.3	-173	64.5	11212

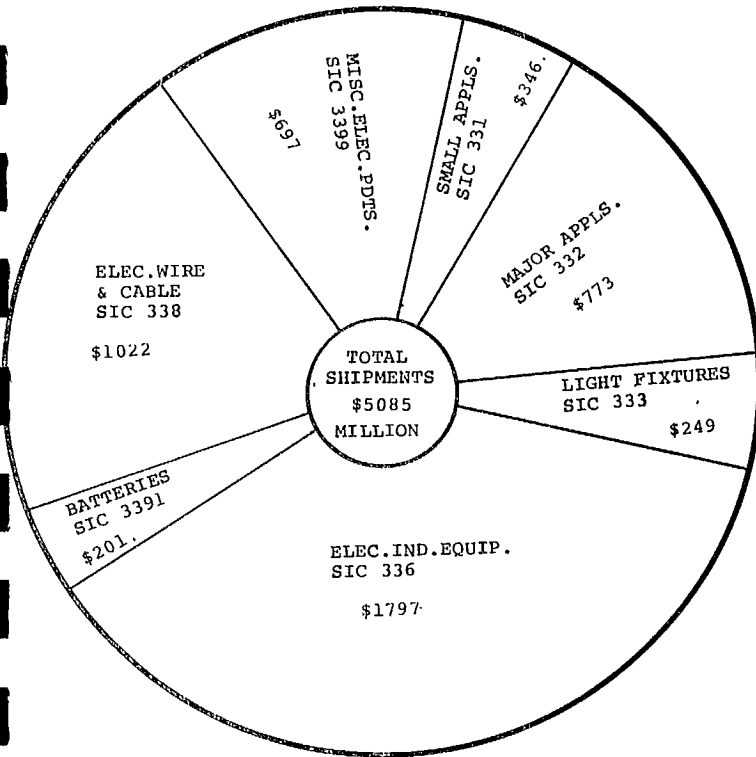
Source: Statistics Canada Publications - Imports: 65-007, Exports: 65-004
 Shipments: Census of Mfrs.
 Employment: Census of Mfrs.

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

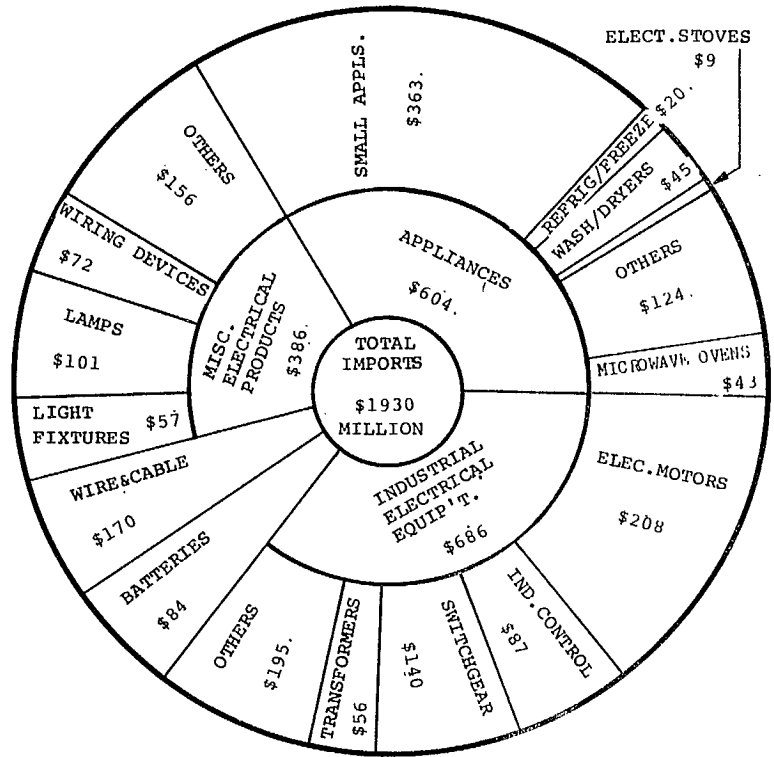
PERFORMANCE OF THE ELECTRICAL INDUSTRY

CANADIAN ELECTRICAL INDUSTRY - 1982

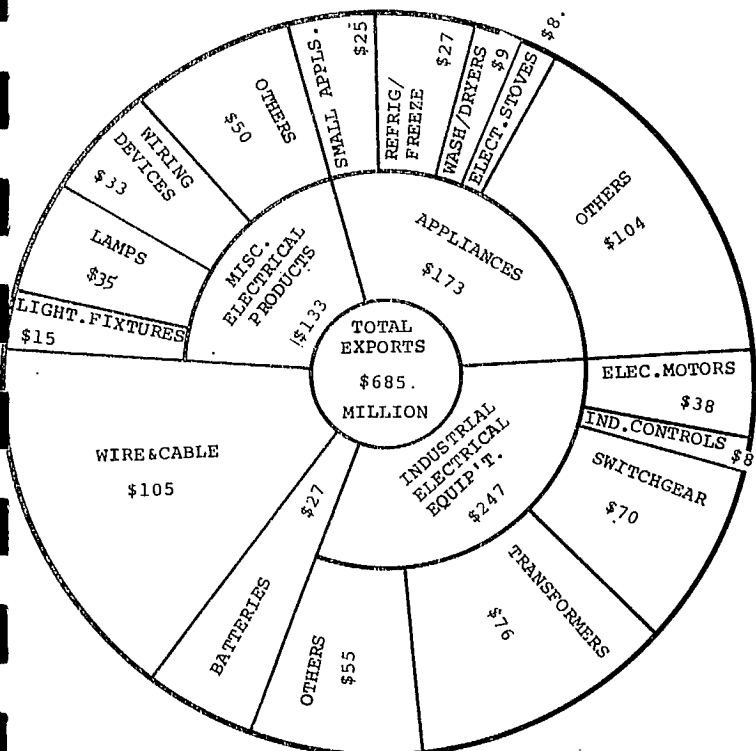
SHIPMENTS



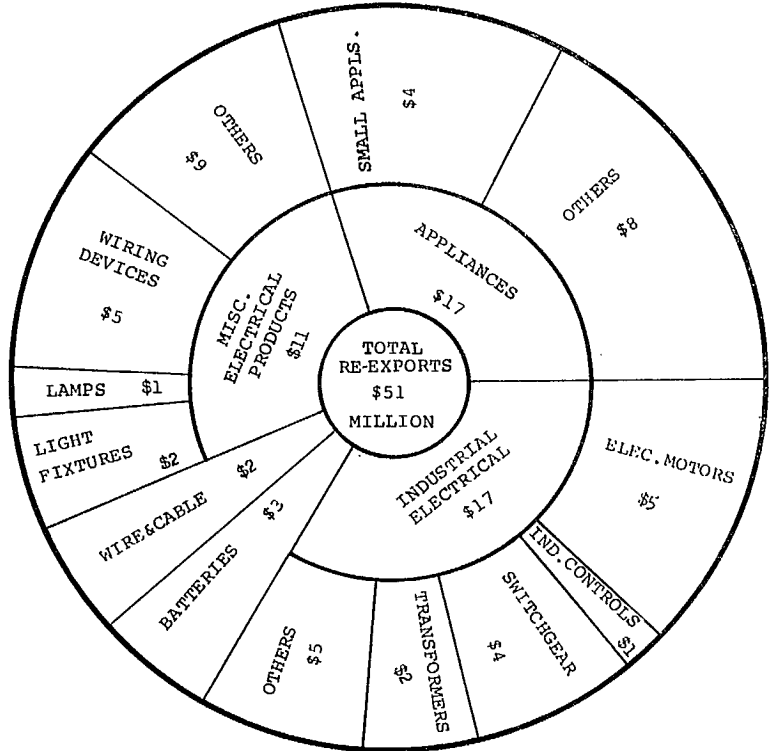
IMPORTS



DOMESTIC EXPORTS



RE-EXPORTS



ELECTRICAL INDUSTRY HIGHLIGHTS

Canadian demand and shipments declined by 10% in 1982, the first decline in more than a decade which included two previous recessions. Exports held whereas imports were significantly reduced thus improving the trade deficit by excess of \$100 million to \$1.2 billion.

The larger trade deficits by country and the main underlying commodity imports are as follows:

	1981 Trade Deficit	\$ Millions 1982		
		Exports	Imports	Trade Deficit
U.S.A.	1,140	479	1,337	858
Japan	133	9	170	161
Italy		2	57	55
Hong Kong	32	4	43	39
France	40	5	38	33
United Kingdom		24	45	21

The main import commodities were:

	<u>U.S.A.</u>	<u>Japan</u>	<u>U.K.</u>	<u>France</u>
Electric Motors and Parts	160	11	11	4
Industrial Control Equipment and Parts	79	-	2	2
Wiring Devices and Parts	69	-	-	-
X-Ray Equipment and Parts	61	3	1	4
Insulated Wire and Cable	60	-	1	-
Electric Cooking Appliances and Parts	57	3	1	1
Electric Equipment Appliances and Parts	54	2	1	2
Generators and Parts	46	42	11	1
Electric Welding Appliances and Parts	41	-	-	-
Circuit Breakers and Parts	28	-	-	13
Microwave Ovens	7	31	-	-

1982 LARGEST TRADE DEFICITS AND SURPLUSESELECTRICAL COMMODITY GROUPSLargest Trade Deficits

	<u>Deficit</u>		<u>1982 Change</u>		<u>Chief Trading Partner</u>	
	<u>1982</u>	<u>1981</u>	<u>Exports</u>	<u>Imports</u>	<u>Exports</u>	<u>Imports</u>
	----- (\$000) -----					
Electric Motors and Parts	165,925	199,849	(8,938)	(42,862)	U.S.A.	U.S.A.
Industrial Control Equipment and Parts	78,156	88,620	(2,333)	(12,797)	U.S.A.	U.S.A.
Generators and Parts	56,091	40,381	8,027	23,731	U.S.A.	U.S.A.
Insulated Wire and Cable	50,702	(13,116)	(4,509)	59,309	U.S.A.	U.S.A.
Circuit Breakers and Parts	47,278	47,873	2,958	2,363	U.S.A.	U.S.A.
Microwave Ovens	42,659	56,480	Nil	(13,821)	N.A.	Japan
Switchgear and Protect Equipment	18,944	24,065	11,316	6,195	U.S.A.	U.S.A.

Largest Trade Surpluses

	<u>Surplus</u>		<u>1982 Change</u>		<u>Chief Trading Partner</u>	
	<u>1982</u>	<u>1981</u>	<u>Exports</u>	<u>Imports</u>	<u>Exports</u>	<u>Imports</u>
	----- (\$000) -----					
Transformers and Parts	21,436	21,199	(1,281)	(1,518)	U.S.A.	U.S.A.

ELECTRICAL COMMODITIES1982 LARGEST PERCENTAGE CHANGES IN IMPORTS AND EXPORTS

	1982	1981	1982 Change		Main Trading
			Amount	%	Partner
	----- (\$000) -----				
<u>A) Imports</u>					
Heating Stoves and Space Heaters n.e.s.	31,292	9,976	21,316	214	Japan
Turbo. generator sets and Parts	30,948	10,890	20,058	184	Japan
Insulated Wire and Cable n.e.s.	133,634	65,986	67,648	103	U.S.A.
Parts of Refrigerators and Freezers	5,392	11,620	-6,228	-54	U.S.A.
Dishwashers, Electric, Domestic	9,958	16,771	-6,813	-41	U.S.A.
Parts of Dishwashers	13,116	20,531	-7,415	-36	U.S.A.
Parts of electric, domestic washers	19,356	26,781	-7,425	-28	U.S.A.
Batteries n.e.s.	17,948	24,741	-6,793	-27	U.S.A.
Microwave Ovens	42,659	56,480	-13,821	-24	Japan
Electric Light Fixtures and Parts n.e.s.	40,327	53,213	-12,886	-24	U.S.A.
<u>B) Exports</u>					
Generators Including Self-contained Sets	33,233	18,714	14,519	78	U.S.A.
Washing Machines Electric & Domestic	5,212	10,338	-5,126	-50	U.K.
Circuit Breakers & Pts.	11,016	8,058	2,958	37	U.S.A.
Parts & Accessories for Generators nes	17,073	23,565	-6,492	-28	U.S.A.
Electric Motors	24,100	33,101	-9,001	-27	U.S.A.
Wet Cell Storage Batteries	18,532	25,080	-6,548	-26	U.S.A.
Switch Gear & Protect Equipment & Parts	62,758	51,442	11,316	22	U.S.A.
Industrial Control Equipment & Parts	8,877	11,210	-2,333	-21	U.S.A.
Converter Equipment & Parts	11,186	9,670	1,516	16	U.S.A.

TABLE 1 - ELECTRICAL INDUSTRY

--- TEN YEAR SUMMARY ---

- millions of dollars -

Year	Apparent Domestic Market	Factory Shipments	Domestic Exports	Re-Exports	Total Exports	Imports
1982	6279	5085(P)	685	51	736	1930
1981	6731	5414	699	41	740	2057
1980	6199	5084	638	35	673	1788
1979	5705	4589	592	28	620	1736
1978	4761	3731	406	26	432	1462
1977	4169	3253	302	19	321	1237
1976	3929	3097	266	18	284	1116
1975	3660	2958	256	18	274	976
1974	3440	2805	261	14	275	910
1973	2777	2297	194	13	207	687
1972	2379	1996	176	12	188	571

(P) Preliminary

PERCENTAGES

	<u>Imports as % of ADM</u>	<u>Domestic Exports as % of Shipments</u>	<u>Shipments as % of ADM</u>
1982	30.7	13.5	81.0
1981	30.6	10.4	80.4
1980	28.8	12.5	82.0
1979	30.4	12.9	80.4
1978	30.7	10.9	78.4
1977	29.7	9.3	78.0
1976	28.4	8.6	78.8
1975	26.7	8.7	80.8
1974	26.5	9.3	81.5
1973	24.7	8.4	82.7
1972	24.0	8.8	83.9

TABLE 2 - ELECTRICAL INDUSTRY
EMPLOYMENT TABLE (Yearly Average)

SIC	Description	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
331	Small Appliances	6,318	6,990	6,218	6,106	5,120	4,868	5,210	5,709	5,146	4,847
332	Major Appliances	13,659	13,642	11,344	11,614	10,817	10,933	10,193	9,635	8,459	6,999
336	Elec. Ind. Equip.	23,741	26,023	26,905	26,282	24,486	24,083	24,512	25,350	27,173	25,208
3391	Batteries	2,424	2,634	2,522	2,754	2,711	2,920	3,081	3,045	3,163	2,698
338	Elec. Wire & Cable	8,961	9,903	9,371	8,993	8,512	7,807	9,166	8,599	8,447	8,594
3399	Misc. Elec. Pdts.	15,506	16,724	14,463	15,033	14,566	15,474	16,466	16,132	16,993	13,494
330	Head office, Sales & auxiliary units (50%)	3,075	3,263	3,515	3,373	3,257	2,914	1,661	1,362	1,502	1,647
	Total Electrical Ind.	73,684	79,179	74,338	74,155	69,469	68,999	70,289	69,832	70,883	63,487
	All Mfg. Industries	1,594,300	1,642,900	1,549,100	1,567,275	1,544,668	1,588,150	1,642,717	1,613,688	1,623,819	1,471,220
	Electrical as % of all Mfg.	4.6	4.8	4.8	4.7	4.5	4.3	4.3	4.3	4.4	4.3

Source: Cat #72-002 - Statistics Canada for companies of 20 employees or more.

TABLE 3 - IMPORTS OF ELECTRICAL PRODUCTS

(by Sectors, 1973-1982)

Industry Grouping	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	- dollars millions -									
Electrical Industry	688	910	975	1116	1235	1462	1736	1787	2057	1930
S.I.C.										
331 - Small Appliances	117	159	171	213	228	269	314	342	417	363
332 - Major Appliances	119	175	152	209	218	245	255	253	277	241
336 - Elec. Ind. Equip.	254	310	375	389	431	534	641	623	724	686
338 - Elec. Wire and Cable	31	45	50	46	61	61	86	91	113	170
3391- Batteries	21	32	43	47	53	63	79	84	102	84
333 - Lighting Fixtures	32	43	38	46	49	52	63	67	76	57
3399- Light Bulbs	35	43	43	55	67	86	111	105	110	101
3399- Misc. Electrical Products	79	103	103	111	128	152	187	222	238	228

Source: Statistics Canada - Cat. 65-007

TABLE 4 - IMPORTS - ELECTRICAL INDUSTRY
SIGNIFICANT SOURCE COUNTRIES, BY SECTOR

	Electrical Industrial Equipment					Miscellaneous Electrical Products					Major Appliances					Small Appliances					
	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>	
\$Millions																					
U.S.A.	354	445	454	541	480	190	247	258	276	250	178	191	188	189	142	202	240	256	312	254	
Japan	45	40	30	42	61	11	9	14	16	26	25	22	27	55	63	12	9	9	16	14	
United Kingdom	27	44	37	32	28						10	11	4	1	1						
West Germany	22	35	17	16	16	8	9	13	11	12						8	11	11	11	12	
France	39	28	26	27	26			-	8	4						11	11	10	7	6	
Sweden	15	12	14	21	21																
Switzerland	16	20	21	20	21																
Hong Kong																14	20	25	33	38	
All Countries	634	641	623	724	686	238	297	327	348	329	245	255	254	277	241	269	314	342	417	363	

	Wire and Cable					Light Fixtures					Batteries					
	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>	
U.S.A.		55	80	87	108	94	41	52	55	62	43	53	69	73	88	73
All Countries		61	86	91	113	170	52	63	67	76	57	63	79	84	102	84

TABLE 5		
Commodity Class No.	Leading Import Classes for the Electrical Industry 1982	Value \$ Millions
469-75	Insulated Wire and Cable NES	133.6
709-09	X-Ray and Related Equipment and Parts	90.3
503-69	Elec. Motors, universal and other NES	87.9
688-59	Industrial Control Equipment and Parts	87.0
697-99	Electrical Equipment Appl. and Parts NES	81.8
688-69	Wiring Devices and Parts	72.2
684-26	Circuit Breakers and Parts	58.3
661-89	Electric Appl. for Cooking Food NES	50.1
684-99	Switchgear and Protect. Equip. and Parts NES	49.2
523-45	Electric Welding Apparatus and Parts	42.9
661-17	Microwave Ovens	42.7
503-66	Electric Induction Motors 1 HP and under	41.3
681-99	Electric Lighting Fixtures and Parts NES	40.3
688-79	Converter Equipment and Parts	36.4
503-79	Parts and Access. for Electric Motors NES	35.5
503-67	Electric Induction Motors over 1 HP	33.7
693-29	Wet Cell Storage Batteries	33.0
653-29	Heating Stoves & Space heaters NES	31.3
503-13	Turbo-generator sets	30.9
692-19	Parts for Electric Cleaning Equipment	29.5
503-09	Generators, Alternative Current	28.2
661-99	Pts. of Electric Cooking Appls. NES	26.8
503-19	Generators Pts. and Access. NES	26.3
683-79	Transformers NES	25.2
697-19	Food Prep. Appls. Elec. and Parts	24.5
682-90	Parts for Electric Lamps NES	24.0
697-81	Electric Hair Styling Equip. dom & pts.	22.7
697-69	Fans, unit vent and roof vent elec. pts.	22.0
503-15	Self-contained gen. sets NES	20.9
693-95	Transformers Equipment and Parts	20.1

TABLE 6 - 1982 IMPORTS OF SMALL HOUSEHOLD APPLIANCES,
ELECTRIC & NON-ELECTRIC (SIC331)

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	81770	53795	65.8	3607	4.4	2135	2.6	4744	5.8	10318	12.6	528	0.6	6643	8.2
661-89	Electric Appl. for Cook. Food NES	50092	36451	72.8	7077	14.1	1282	2.5	1128	2.3	10	-	1408	2.8	2736	5.5
692-19	Pts of Electric Cleaning Equip.	29536	28683	97.1	19	-	108	0.4	141	0.5	-	-	-	-	585	2.0
661-99	Pts. for Electric Cook Appl. NES	26839	20747	77.3	438	1.6	1889	7.0	482	1.8	7	-	1579	5.9	1697	6.4
697-19	Food Prep. Appl. Elec. & Pts. NES	24548	13360	54.4	1418	5.8	3879	15.8	2218	9.1	10	-	42	0.2	3621	14.7
697-81	Elec. Hair Styl. Equip. Dom. & Pts.	22710	1056	4.7	15873	69.9	894	3.9	1974	8.7	-	-	658	2.9	2255	9.9
697-69	Fans, Unit & Vent. Elec. & Pts. NES	20043	12056	60.2	4414	22.0	62	0.3	185	0.9	53	0.3	2090	10.4	1183	5.9
692-09	Vacuum Clean, Elec. Dom.	15330	13234	86.3	7	0.1	1637	10.7	65	0.4	-	-	-	-	387	2.5
692-15	Cleaning Equip., Elec. NES	11827	11054	93.5	326	2.7	248	2.1	2	-	-	-	6	0.1	191	1.6
697-62	Fans Air Circulators Elec. Port & Pt.	11728	7383	63.0	1781	15.2	775	6.6	385	3.3	-	-	50	0.4	1354	11.5

Source: Statistics Canada Cat. #65-007

TABLE 6 (Cont'd) - 1982 IMPORTS OF SMALL HOUSEHOLD APPLIANCES,
ELECTRIC & NON-ELECTRIC (SIC331)

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
*653-99	Pts. of Heating Equip. NES	11717	10624	90.7	16	0.1	368	3.2	354	3.0	46	0.4	39	0.3	270	2.3
698-35	Flat Irons, Electric & Pts.	10563	6054	57.3	552	5.2	1	-	-	-	-	-	27	0.3	3929	37.2
661-59	Toasters & Waffle Irons, Electric	9823	8833	89.9	989	10.1	-	-	-	-	-	-	-	-	1	-
697-04	Food Mixers Juicers Elec. & Pts. NES	8089	6841	84.6	16	0.2	299	3.7	297	3.7	-	-	-	-	636	7.8
*653-94	Pts. of Water Heaters NES	4677	4658	99.6	-	-	-	-	18	0.4	-	-	-	-	1	-
655-29	Humidifiers, Dehumidifiers, & Pts.	4379	3661	83.6	-	-	1	-	16	0.4	-	-	36	0.8	665	15.2
697-85	Electric Can Openers & Pts.	4138	2606	63.0	1287	31.1	169	4.1	23	0.5	-	-	-	-	53	1.3
*653-89	Heating Equip. NES	3796	3331	87.8	-	-	215	5.7	17	0.4	-	-	23	0.6	210	5.5
*653-71	Water Heaters, NES	3661	3384	92.4	-	-	-	-	93	2.5	-	-	54	1.5	130	3.6
692-29	Floor Polishers, Electric & Pts.	2779	2219	79.8	-	-	-	-	5	0.2	-	-	-	-	555	20.0

Source: Statistics Canada Cat. #65-007

TABLE 6 (Cont'd) - 1982 IMPORTS OF SMALL HOUSEHOLD APPLIANCES,
ELECTRIC & NON-ELECTRIC (SIC331)

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
*653-53	Water Tank Heaters, Gas	1340	1220	91.0	-	-	-	-	40	3.0	-	-	-	-	80	6.0
697-71	Electric Blankets & Pts.	909	905	99.6	-	-	-	-	-	-	-	-	-	-	4	0.4
653-31	Air Heater, Electric, Portable	857	405	47.3	-	-	291	34.0	76	8.8	-	-	-	-	85	9.9
661-95	Heating Elements for Elect. Cook. Appl.	578	536	92.8	-	-	-	-	2	0.3	-	-	10	1.7	30	5.2
653-69	Water Tank Heaters Electric	551	524	95.1	-	-	-	-	-	-	-	-	26	4.7	1	0.2
692-32	Floor Sanders, Electric & Pts.	425	182	42.8	-	-	-	-	164	38.6	-	-	-	-	79	18.6
	* Sub-Total Non-Electrical	25191	23217	92.2	16	0.1	583	2.3	522	2.1	46	0.2	116	0.4	691	2.7
	Sub-Total Electrical	337514	230585	68.3	37804	11.2	13670	4.1	11907	3.5	10398	3.1	6460	1.9	26690	7.9
	Total SIC331	362705	253802	70.0	37820	10.4	14253	3.9	12429	3.4	10444	2.9	6576	1.8	27381	7.6

Source: Statistics Canada Cat. #65-007

TABLE 7 - 1982 IMPORTS OF MAJOR HOUSEHOLD APPLIANCES,
ELECTRIC & NON-ELECTRIC (SIC 332)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		South Korea		Switzerland		Italy		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	42659	6605	15.5	31013	72.7	4	-	3189	7.5	-	-	-	-	1848	4.3
*653-29	Heating Stoves & Space Heaters NES	31292	5406	17.3	21485	68.7	1304	4.2	20	-	1910	6.1	7	-	1160	3.7
862-09	Sewing Machines, Dom.	19680	2141	10.9	4829	24.5	5716	29.1	176	0.9	2047	10.4	356	1.8	4415	22.4
*662-89	Non-Elect. Equip. for Cook NES	19430	16865	86.8	585	3.0	1516	7.8	59	0.3	54	0.3	46	0.2	305	1.6
698-19	Pts. of Wash. Mach. Elec. Dom.	19356	18857	97.4	219	1.1	3	-	-	-	-	-	-	-	277	1.5
698-05	Wash. Mach. Elec. Auto Dom	13943	12572	90.2	1371	9.8	-	-	-	-	-	-	-	-	-	-
697-55	Dishwasher Pts. Elec. Dom.	13116	12848	98.0	146	1.1	5	-	1	-	-	-	84	0.7	32	0.2
655-41	Refrigerators, Hhold size Electric	12762	7524	59.0	5	-	-	-	2336	18.3	-	-	21	0.2	2876	22.5
*662-99	Pts. of Non. Elect. Equip. for Cook	10649	9948	93.4	161	1.5	137	1.3	24	0.2	-	-	-	-	379	3.6
697-54	Dishwasher, Electric, Dom.	9958	9950	99.9	-	-	-	-	-	-	-	-	8	0.1	-	-

Source: Statistics Canada Cat. #65-007

TABLE 7 (Cont'd) - 1982 IMPORTS OF MAJOR HOUSEHOLD APPLIANCES,
ELECTRIC & NON-ELECTRIC (SIC 332)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		South Korea		Switzerland		Italy		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.	9336	9291	99.5	1	-	44	0.5	-	-	-	-	-	-	-	-
698-55	Clothes Dryers, Elect. Dom	5444	5166	94.9	249	4.6	-	-	-	-	-	-	-	-	29	0.5
655-49	Pts. of Refrig. & Freezer Hhold size	5392	5156	95.6	12	0.3	1	-	1	-	-	-	11	0.2	211	3.9
697-58	Garbage Disp. Units Elec. Dom. & Pts.	4229	4229	100.0	-	-	-	-	-	-	-	-	-	-	-	-
862-16	Pts. of Dom Sewing Mach.	3512	1075	30.6	76	2.1	4	0.1	-	-	48	1.4	2043	58.2	266	7.6
655-06	Air Cond. Units, Room size	3216	3216	100.0	-	-	-	-	-	-	-	-	-	-	-	-
698-57	Pts of Dom. Clothes Dryers	3141	3105	98.9	1	-	-	-	-	-	-	-	4	0.1	31	1.0
*662-11	Cooking Stoves, Ranges Gas, Dom.	2808	2804	99.9	-	-	-	-	-	-	-	-	4	0.1	-	-
*653-24	Heat Stoves & Space Heaters Oil	2785	281	10.1	2455	88.2	-	-	-	-	45	1.6	-	-	4	0.1
698-09	Wash Mach. Elect. Dom. Size NES	2642	2026	76.7	337	12.7	-	-	-	-	-	-	-	-	279	10.6

Source: Statistics Canada Cat. #65-007

TABLE 7 (Cont'd) - 1982 IMPORTS OF MAJOR HOUSEHOLD APPLIANCES,
ELECTRIC & NON-ELECTRIC (SIC 332)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		Taiwan		South Korea		Switzerland		Italy		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
*655-43	Refrigerators, Hhld Size NES	1926	461	23.9	-	-	-	-	92	4.8	-	-	-	-	1373	71.3
*662-19	Cook Stoves, Ranges, Dom. NES	1733	1451	83.7	40	2.3	41	2.4	-	-	7	0.4	14	0.8	180	10.4
*698-99	Laundry Equip. Dom. & Pts. NES	1262	798	63.2	2	0.2	18	1.4	-	-	-	-	-	-	444	35.2
655-45	Freezers, Household size	382	223	58.4	-	-	-	-	158	41.4	-	-	1	0.2	-	-
*698-56	Clothes Dryers, Gas Dom. Sizes	328	328	100.0	-	-	-	-	-	-	-	-	-	-	-	-
862-12	Sew. Mach. Attach. Dom.	221	82	37.1	25	11.3	5	2.2	-	-	13	5.9	68	30.8	28	12.7
	* Sub-Total Non-Electrical	72213	38342	53.1	24728	34.2	3016	4.2	195	0.3	2016	2.8	71	0.1	3845	5.3
	Sub-Total Electrical	168989	104066	61.6	38284	22.7	5782	3.4	5861	3.5	2108	1.2	2596	1.5	10292	6.1
	Total SIC332	241202	142408	59.0	63012	26.1	8798	3.7	6056	2.5	4124	1.7	2667	1.1	14137	5.9

Source: Statistics Canada Cat. #65-007

TABLE 8 - 1982 IMPORTS OF ELECTRICAL LIGHTING FIXTURES
(SIC 333)

Class No.	Commodity	Total	Supplier Countries													
			United States		Taiwan		Italy		Sweden		West Germany		United Kingdom		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
681-99	Elect. Light. fixtures & Pts. NES	40327	30145	74.7	1885	4.7	1161	2.9	1752	4.3	1123	2.8	808	2.0	3453	8.6
681-43	Incandescent lighting fixt. & Lamps	11561	8784	76.0	484	4.2	695	6.0	53	0.5	38	0.3	213	1.8	1294	11.2
681-19	Fluorescent Electric light, fixtures	4884	4330	88.7	225	4.6	23	0.5	4	-	-	-	21	0.4	281	5.8
	Total SIC333	56772	43259	76.2	2594	4.6	1879	3.3	1809	3.2	1161	2.0	1042	1.8	5028	8.9

Source: Statistics Canada Cat. #65-007

TABLE 9 - 1982 IMPORTS OF ELECTRICAL INDUSTRIAL EQUIPMENT (SIC336)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		United Kingdom		France		Sweden		Switzerland		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
503-69	Elect. Motors, Universal & Other NES	87940	69458	79.0	1721	2.0	1080	1.2	724	0.8	2921	3.3	2506	2.8	9530	10.9
688-59	Ind. Control Equip. & Pts.	87033	78587	90.3	235	0.3	1562	1.8	1912	2.2	402	0.5	550	0.6	3785	4.3
684-26	Circuit Breakers & Pts.	58294	27943	47.9	268	0.5	325	0.5	13158	22.6	4188	7.2	8798	15.1	3614	6.2
684-99	Switchgear & Protective Equip. & Pt. NES	49212	30469	61.9	6253	12.7	3103	6.3	851	1.7	3031	6.2	1881	3.8	3624	7.4
523-45	Elect. Weld. Appa. & Pts.	42944	40729	94.8	135	0.3	376	0.9	21	0.1	270	0.6	423	1.0	990	2.3
503-66	Elect. Induc. Motors 1 Hp & under	41301	37677	91.2	194	0.5	1185	2.9	350	0.8	63	0.2	-	-	1832	4.4
688-79	Converter Equip. & Pts.	36376	26281	72.3	1905	5.2	1466	4.0	147	0.4	1400	3.9	227	0.6	4950	13.6
503-79	Pts. & Access. for Elec. motors MES	35521	26962	75.9	535	1.5	3426	9.6	1606	4.5	356	1.0	519	1.5	2117	6.0
503-67	Elect. Induc. Motors over 1 Hp.	33680	18987	56.4	5331	15.8	5017	14.9	942	2.8	1607	4.8	-	-	1796	5.3
503-13	Turbo Generator Sets	30948	347	1.1	25515	82.5	4750	15.3	-	-	-	-	-	-	336	1.1

Source: Statistics Canada Cat. #65-007

TABLE 9 (Cont'd) - 1982 IMPORTS OF ELECTRICAL INDUSTRIAL EQUIPMENT (SIC336)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		United Kingdom		France		Sweden		Switzerland		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
503-09	Generator, Alter. Current	28175	18587	66.0	5646	20.0	2075	7.4	577	2.0	691	2.5	1	-	598	2.1
503-19	Generator Pts. & Acc. NES	26326	14443	54.9	6537	24.8	1711	6.5	522	2.0	759	2.9	2227	8.4	127	0.5
683-79	Transformers NES	25206	14737	58.5	53	0.2	212	0.8	4132	16.4	860	3.4	2801	11.1	2411	9.6
503-15	Self-Contained Generator Sets NES	20948	13102	62.5	3865	18.5	2201	10.5	52	0.2	800	3.8	-	-	928	4.5
683-95	Transformer Equip. & Pts.	20066	13707	68.3	36	0.2	687	3.4	58	0.3	2345	11.7	391	1.9	2842	14.2
684-49	Fuses, Fuse Plugs Cutout Elec. & Pts.	16246	12802	78.8	50	0.3	2469	15.2	414	2.5	18	0.1	2	-	491	3.1
684-39	Switches & Pts. NES	12514	11395	91.1	102	0.8	157	1.3	277	2.2	9	0.1	5	-	569	4.5
503-75	Rotors, Starters for Elec. Motors, etc.	9922	7049	71.0	2796	28.2	29	0.3	1	-	18	0.2	-	-	29	0.3
683-77	Power Transformers 500 KVA & Over	6922	2998	43.3	4	0.1	787	11.4	189	2.7	1597	23.1	810	11.7	537	7.7
495-16	Poleline Hardware	4405	4355	98.9	38	0.9	3	0.1	2	-	-	-	5	0.1	2	-

Source: Statistics Canada Cat. #65-007

TABLE 9 (Cont'd) - 1982 IMPORTS OF ELECTRICAL INDUSTRIAL EQUIPMENT (SIC336)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		United Kingdom		France		Sweden		Switzerland		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
702-04	Amp, Volt, OHM/Meters/ Panel Type	4203	3644	86.7	175	4.2	119	2.8	-	-	29	0.7	54	1.3	182	4.3
683-26	Fluorescent Lamp Ballasts Transformers	3837	3731	97.2	-	-	-	-	-	-	-	-	-	-	106	2.8
684-81	Power Capacitors & Pts.	3730	1773	47.5	7	0.2	17	0.5	255	6.8	21	0.6	88	2.4	1569	42.0
	Total SIC336	685749	479763	70.0	61401	9.0	32757	4.8	26190	3.8	21385	3.1	21288	3.1	42965	6.2

Source: Statistics Canada Cat. #65-007

TABLE 10 - 1982 IMPORTS OF ELECTRICAL WIRE AND CABLE (SIC338)

Class No.	Commodity	Total	Supplier Countries													
			United States		Italy		Norway		United Kingdom		Japan		West Germany		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
469-75	Insulated Wire & Cable NES	133634	60411	45.2	43185	32.3	28649	21.4	790	0.6	127	0.1	122	0.1	350	0.3
469-74	Telephone, Radio & T.V. Wires	20002	19124	95.6	-	-	-	-	519	2.6	61	0.3	110	0.5	188	1.0
452-18	Copper Wire & Cable not insulated	5702	5391	94.5	-	-	-	-	39	0.7	40	0.7	158	2.8	74	1.3
451-47	Aluminium Wire & Cable not insulated	4921	4630	94.1	-	-	-	-	27	0.5	240	4.9	-	-	24	0.5
452-88	Copper Alloy Wire & Cable not insul.	2837	1930	68.0	-	-	-	-	255	9.0	440	15.5	3	0.1	209	7.4
469-71	Insulated Magnet Wire	2074	1991	96.0	-	-	-	-	-	-	72	3.5	-	-	11	0.5
469-73	Telephone Cable	855	677	79.2	-	-	-	-	92	10.7	-	-	-	-	86	10.1
	Total SIC338	170025	94154	55.4	43185	25.4	28649	16.8	1722	1.0	980	0.6	393	0.2	942	0.6

Source: Statistics Canada Cat. #65-007

TABLE 11 - 1982 IMPORTS OF BATTERIES (SIC3391)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		United Kingdom		West Germany		Sweden		Hong Kong		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
693-29	Wet Cell Storage Batteries NES	33038	29622	89.7	1363	4.1	368	1.1	636	1.9	843	2.6	-	-	206	0.6
693-59	Batteries NES	17948	13183	73.5	1617	9.0	474	2.6	284	1.6	25	0.1	859	4.8	1506	8.4
693-95	Pts & Supplies for Batteries NES	17902	16548	92.4	75	0.4	292	1.6	54	0.3	234	1.3	11	0.1	688	3.9
693-27	Nickel Cadmium & Alkaline Batteries	13047	11137	85.4	882	6.8	438	3.3	136	1.0	3	-	21	0.2	430	3.3
693-52	Dry Cell Hearing Aid Batteries	1697	1660	97.8	-	-	-	-	37	2.2	-	-	-	-	-	-
693-48	Dry Cell Flashlight Batteries	849	732	86.2	63	7.4	-	-	-	-	-	-	23	2.7	31	3.7
	Total SIC3391	84481	72882	86.3	4000	4.7	1572	1.8	1147	1.4	1105	1.3	914	1.1	2861	3.4

Source: Statistics Canada Cat. #65-007

TABLE 12 - 1982 IMPORTS OF ELECTRIC LAMPS, BULBS & TUBES
(PART OF SIC3399)

Class No.	Commodity	Total	Supplier Countries													
			United States		Taiwan		Japan		Netherlands		South Korea		United Kingdom		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
682-90	Pts. for Electric Lamps NES	24048	20870	86.8	148	0.6	150	0.6	931	3.9	-	-	730	3.0	1219	5.1
682-42	Sealed Beam Lamps	18727	18514	98.9	-	-	192	1.0	-	-	-	-	12	0.1	9	-
682-55	Automotive Lamps (Bulbs) NES	15795	13745	87.0	808	5.1	397	2.5	253	1.6	154	1.0	167	1.1	271	1.7
682-02	Incandescent lamps, large	11967	9676	80.9	160	1.3	743	6.2	45	0.4	1028	8.6	132	1.1	183	1.5
682-12	Fluorescent Lamps, Bulbs & Tubes	11553	10732	92.9	103	0.9	53	0.5	368	3.2	73	0.6	58	0.5	166	1.4
682-52	Xmas Tree & Colored Miniature Lamps	5516	337	6.1	4756	86.2	17	0.3	-	-	309	5.6	49	0.9	48	0.9
682-62	Miniature Lamps NES	4408	2522	57.2	301	6.8	853	19.4	12	0.3	519	11.8	20	0.4	181	4.1
682-32	Vapour Lamps NES	2463	1786	72.5	7	0.3	93	3.8	338	13.7	25	1.0	105	4.3	109	4.4
682-22	Mercury Vapour Lamps, Bulbs & Tubes	2428	2224	91.6	-	-	104	4.3	34	1.4	-	-	29	1.2	37	1.5
919-05	Projector Lamps (Bulbs) Photographic	1825	1379	75.6	-	-	315	17.2	102	5.6	-	-	5	0.3	24	1.3
919-08	Photoflash Lamps, Bulbs	1663	1564	94.1	-	-	-	-	-	-	-	-	2	0.1	97	5.8
919-10	Photographic Lamps, Bulbs NES	841	691	82.2	2	0.2	102	12.1	33	3.9	-	-	2	0.2	11	1.4
	Sub-Total of Light Bulbs	101234	84040	83.0	6285	6.2	3019	3.0	2116	2.1	2108	2.1	1311	1.3	2355	2.3

TABLE 12 (Cont'd) - 1982 IMPORTS OF MISCELLANEOUS ELECTRICAL PRODUCTS
(OTHER PART OF SIC 3399)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		West Germany		Netherlands		France		Italy		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
709-09	X-Ray & Related Equip. & Pts.	90330	61375	67.9	3232	3.6	10254	11.4	6660	7.4	3626	4.0	721	0.8	4462	4.9
688-69	Wiring Devices & Pts.	72185	69397	96.1	512	0.7	581	0.8	39	0.1	209	0.3	76	0.1	1371	1.9
477-32	Graphite & Carbon Basic Prod. NES	17956	5501	30.6	11124	62.0	124	0.7	-	-	313	1.7	70	0.4	824	4.6
477-22	Graphite Electrodes	10153	5443	53.6	4129	40.7	-	-	-	-	60	0.6	-	-	521	5.1
495-44	Conduit & Cable fittings	9239	9118	98.7	-	-	46	0.5	-	-	-	-	72	0.8	3	-
477-24	Carbons or Carbon Electrodes NES	9030	2390	26.5	3069	34.0	287	3.2	385	4.2	19	0.2	2693	29.8	187	2.1
495-99	Non Current Carrying Wiring Materials NES	4904	4493	91.6	7	0.1	7	0.1	-	-	5	0.1	322	6.6	70	1.5
684-23	Lightning Arrestors & Pts.	4232	3163	74.7	160	3.8	-	-	-	-	-	-	-	-	909	21.5
681-47	Christmas Tree Lighting Sets	3272	28	0.9	-	-	-	-	-	-	-	-	-	-	3244	99.1
495-65	Outlet & Switch boxes, Electric	1677	1529	91.2	-	-	-	-	-	-	32	1.9	-	-	116	6.9
495-42	Conduit for Electric Wiring	1603	1601	99.9	-	-	-	-	-	-	-	-	-	-	2	0.1
477-20	Graphite & Carbon Brush Stock	1389	1307	94.1	6	0.4	20	1.4	-	-	-	-	-	-	56	4.1
477-16	Battery Carbons	821	654	79.7	-	-	-	-	-	-	34	4.1	-	-	133	16.2
477-14	Lightning & Welding Carbons	742	330	44.5	411	55.4	-	-	-	-	-	-	-	-	1	0.1
	Sub-Total Misc. Elec. Pdts.	227533	166329	73.1	22650	10.0	11319	5.0	7084	3.1	4298	1.9	3954	1.7	11899	5.2
	Sub-Total Electric Bulbs	101234	84040	83.0	3019	3.0	528	0.5	2116	2.1	82	0.1	148	0.1	11301	11.2
	Total SIC3399	328767	250369	76.2	25669	7.8	11847	3.6	9200	2.8	4380	1.3	4102	1.2	23200	7.1

Source: Statistics Canada Cat. #65-007

TABLE 13 - TOTAL EXPORTS OF ELECTRICAL INDUSTRY

(by Sectors, 1973-1982)

Industry Grouping	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	- dollars millions -									
Electrical Industry	207	274	276	285	322	432	620	673	740	736
S.I.C.										
331 - Small Appliances	12	22	21	16	15	14	22	23	32	29
332 - Major Appliances	50	63	51	60	74	96	134	141	158	156
336 - Elec. Ind. Equip.	57	91	103	110	106	135	217	234	253	264
338 - Elec. Wire and Cable	28	34	32	25	40	57	82	103	112	107
3391- Batteries	5	7	8	10	14	17	26	28	40	30
333 - Lighting Fixtures	15	10	10	8	10	14	15	16	19	17
3399- Light Bulbs	15	12	13	13	17	30	43	43	36	36
3399- Misc. Electrical Products	25	35	38	43	46	69	81	85	90	97

Source: Statistics Canada - Cat. 65-004

TABLE 14 - EXPORTS - ELECTRICAL INDUSTRY
SIGNIFICANT MARKETS, BY SECTOR

	Industrial Elect. Equip.			Miscellaneous Electrical Products			Major Appliances			Wire & Cable		
	<u>80</u>	<u>81</u>	<u>82</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>80</u>	<u>81</u>	<u>82</u>
\$Millions Current												
U.S.A.	115	142	152	80	84	95	84	88	100	57	64	58
U.K.	5	3	4	6	6	4	11	14	10	-	1	-
W. Germany	2	4	3	3	3	2	-	-	-	-	-	-
France	-	-	-	3	3	2	-	-	-	-	-	-
Mexico	2	5	5	-	-	-	-	-	-	-	-	-
Brazil	9	4	6	-	-	-	-	-	-	-	-	-
Venezuela	19	6	15	-	-	-	3	3	-	-	-	-
Saudia Arabia	5	4	4	-	-	-	7	7	4	15	21	25
Pakistan	4	25	3	-	-	-	-	-	-	3	4	-
Australia	3	5	4	5	4	4	3	4	6	-	-	-
Total Above	166	199	198	97	100	107	108	116	116	76	90	83
Total World	234	253	264	124	127	133	141	157	156	103	112	107
				Small Appliances			Light Fixtures			Batteries		
				<u>80</u>	<u>81</u>	<u>82</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>80</u>	<u>81</u>	<u>82</u>
U.S.A.				15	22	21	10	11	12	19	25	21
U.K.				4	5	3	1	1	-	1	1	1
Total World				23	32	29	16	19	17	28	40	30

TABLE 15		
Commodity Class No.	Leading Export Classes for the Electrical Industry 1982	Value \$ Millions
469-75	Insulated Wire and Cable	105.9
683-99	Transformers and Parts	77.5
655-99	Air Conditioning and Refrig. Eq. and Pts. NES	71.4
684-99	Switchgears and Protect Equipment and Pts. NES	62.8
709-09	X-Ray and Related Equipment and Parts	48.5
688-69	Wiring Devices and Parts	37.5
682-99	Electric Lamps, Bulbs and Tubes and Parts	36.4
503-17	Generators, incl. Self-contained Generator Set	33.2
*860-99	Domestic Sewing Machines	25.7
503-69	Electric Motors	24.1
655-47	Refrigerators and Freezers Household size	22.7
697-99	Electrical Equipment Appl. and Parts NES	19.5
693-29	Wet Cell Storage Batteries	18.5
503-79	Parts & Accessories for Electric Motors NES	18.3
503-19	Generator Parts and Accessories NES	17.1
681-99	Electric Lighting Fixtures and Parts	16.8
688-79	Converter Equipment and Parts	11.2
684-26	Circuit Breakers and Parts	11.0
662-99	Non-electrical Equipment for Cook Pt.	10.8
693-89	Batteries NES	9.4
661-99	Electrical Appls. for Cooking & Parts NES	9.3
688-59	Industrial Control Equipment and Parts	8.9
661-18	Parts for Cooking Appliances NES	7.3
495-99	Non-current Carrying Wiring Materials NES	7.0
698-09	Washing Machine Electric Domestic Size	5.2
655-49	Parts of Household Refrigerators, Freezers	4.9
477-99	Carbons and Carbon Electrodes	3.4
860-89	Pts. attach. Dom. for Sewing Machine	2.7
693-98	Pts. and Supplies for Batt. NES	2.5
698-19	Pts. of Wash. Mach. Elec. Dom.	2.2

*Estimated 50% of total class 'Household & Personal Equipment & Parts n.e.s.' for sewing machines.

TABLE 16 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF SMALL HOUSEHOLD APPLIANCES;
ELECTRICAL AND NON-ELECTRICAL (SIC 331)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		United Kingdom		Hong Kong		Australia		Italy		Trinidad & Tobago		OTHERS	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
697-99	Elec. Equip. Appls. & Pts.	16296	12374	75.9	1858	11.4	368	2.3	298	1.8	449	2.8	203	1.2	746	4.6
	Domestic Exports	3198	2707	84.6	6	0.2	411	12.9	-	-	-	-	-	-	74	2.3
661-99	Elec. Appls. for cooking & Pts. NES	8239	5076	61.6	1271	15.4	66	0.8	443	5.4	17	0.2	106	1.3	1260	15.3
	Domestic Exports	1067	997	93.4	-	-	-	-	-	-	-	-	-	-	70	6.6
	TOTAL SIC 331	24535	17450	71.1	3129	12.8	434	1.8	741	3.0	466	1.9	309	1.2	2006	8.2
	Domestic Exports	4265	3704	86.9	6	0.1	411	9.6	-	-	-	-	-	-	144	3.4
	Re-Exports	28800	21154	73.5	3135	10.9	845	2.9	741	2.6	466	1.6	309	1.1	2150	7.4
	Total Exports															

Source: Statistics Canada Cat. #65-004

TABLE 17 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF MAJOR HOUSEHOLD APPLIANCES;
ELECTRICAL AND NON-ELECTRICAL (SIC 332)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		United Kingdom		Australia		Saudi Arabia		Union of United Arab (Emirat)		Puerto Rico		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
655-99	Air cond. & refrig. equip. & pts nes															
	Domestic Exports	66666	41179	61.8	2517	3.8	3152	4.7	1905	2.9	2780	4.2	81	0.1	15052	22.5
	Re-Exports	4758	3803	79.9	10	0.2	15	0.3	-	-	-	-	-	-	930	19.6
*860-99	(50%) Hhld. & Pers. Eq. NES															
	Domestic Exports	24215	19488	80.5	1240	5.1	395	1.6	108	0.4	20	0.1	18	0.1	2946	12.2
	Re-Exports	1533	1219	79.5	15	1.0	50	3.3	-	-	-	-	-	-	249	16.2
655-47	Refrig. & freezers, hhld size															
	Domestic Exports	22516	14980	66.6	1065	4.7	15	-	783	3.5	318	1.4	1189	5.3	4166	18.5
	Re-Exports	230	182	79.1	-	-	-	-	-	-	-	-	-	-	48	20.9
662-99	Non-elec. equip. for cooking & parts															
	Domestic Exports	10459	5906	56.5	1725	16.5	774	7.4	380	3.6	42	0.4	-	-	1632	15.6
	Re-Exports	384	381	99.2	-	-	-	-	-	-	-	-	-	-	3	0.8
661-18	Pts. for elec. cook. stoves															
	Domestic Exports	6910	2808	40.6	1632	23.6	839	12.2	9	0.1	1	-	-	-	1621	23.5
	Re-Exports	344	337	98.0	-	-	-	-	-	-	-	-	-	-	7	2.0
698-09	Wash. mach. electric															
	Domestic Exports	5211	580	11.1	1343	25.8	299	5.7	421	8.1	115	2.2	1145	22.0	1308	25.1
	Re-Exports	1	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0
655-49	Pts of hhld refrig. & freezers															
	Domestic Exports	4810	4259	88.5	13	0.3	-	-	-	-	3	0.1	2	-	533	11.1
	Re-Exports	127	127	100.0	-	-	-	-	-	-	-	-	-	-	-	-

Source: Statistics Canada Catalogue #65-004

TABLE 17 (Cont'd)- 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF MAJOR HOUSEHOLD APPLIANCES;
ELECTRICAL AND NON-ELECTRICAL (SIC 332)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		United Kingdom		Australia		Saudi Arabia		Union of United Arab (Emirat)		Puerto Rico		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
860-89	Pts. attach. & access. for sewing machs.															
	Domestic Exports	2537	2327	91.7	1	-	-	-	-	-	-	-	31	1.2	178	7.1
	Re-Exports	188	161	85.6	-	-	-	-	-	-	-	-	-	-	27	14.4
698-19	Pts. of wash. machs. elec. dom.															
	Domestic Exports	2219	725	32.7	62	2.8	28	1.3	124	5.6	1	-	63	2.8	1216	54.8
	Re-Exports	21	18	85.7	-	-	-	-	-	-	-	-	-	-	3	14.3
698-99	Laundry equip., dom. & pts. NES															
	Domestic Exports	1654	717	43.3	162	9.8	1	0.1	30	1.8	52	3.1	102	6.2	590	35.7
	Re-Exports	179	173	96.6	-	-	-	-	-	-	-	-	-	-	6	3.4
661-12	Elec. cook stoves & ranges															
	Domestic Exports	938	553	59.0	99	10.6	29	3.1	108	11.5	4	0.4	-	-	145	15.4
	Re-Exports	133	133	100.0	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL SIC 332															
	Domestic Exports	148135	93522	63.1	9859	6.7	5532	3.7	3868	2.6	3336	2.3	2631	1.8	29387	19.8
	Re-Exports	7898	6534	82.7	25	0.3	65	0.8	-	-	-	-	-	-	1274	16.2
	Total Exports	156033	100056	64.1	9884	6.3	5597	3.6	3868	2.5	3336	2.1	2631	1.7	30661	19.7

Source: Statistics Canada Cat. #65-004

TABLE 18 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF ELECTRIC LIGHTING FIXTURES (SIC 333)

Class No.	Commodity	Total '000\$	Country of Destination													
			U.S.A.		Australia		Trinidad & Tobago		United Kingdom		Saudi Arabia		Cuba		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
681-99	Elec. light fixtures nes															
	Domestic Exports	14575	9588	65.8	1327	9.1	598	4.1	474	3.2	305	2.1	302	2.1	1981	13.6
	Re-Exports	2197	2091	95.2	24	1.1	-	-	9	0.4	4	0.2	-	-	69	3.1
	Total Exports	16772	11679	69.6	1351	8.1	598	3.6	483	2.9	309	1.8	302	1.8	2050	12.2

Source: Statistics Canada Cat. #65-004

TABLE 19 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF ELECTRICAL INDUSTRIAL EQUIPMENT (SIC 336)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		Venezuela		Kenya		Iraq		Brazil		United Arab Rep. (Egypt)		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
683-99	Transformers & Parts															
	Domestic Exports	75905	43959	57.9	329	0.4	5186	6.9	645	0.9	1682	2.2	5480	7.2	18624	24.5
	Re-Exports	1562	1144	73.2	3	0.2	-	-	5	0.3	31	2.0	-	-	379	24.3
684-99	Switchgear & protect. equip. & pts. nes															
	Domestic Exports	59576	24601	41.3	7904	13.3	2134	3.6	4979	8.3	4402	7.4	340	0.6	15216	25.5
	Re-Exports	3182	2757	86.6	-	-	-	-	-	-	3	0.1	-	-	422	13.3
503-17	Generators, incl. self-contained															
	Domestic Exports	28788	14351	49.9	3945	13.7	-	-	644	2.2	42	0.1	-	-	9806	34.1
	Re-Exports	4445	1073	24.1	880	19.8	-	-	-	-	-	-	-	2492	56.1	
503-69	Electric motors															
	Domestic Exports	20722	14864	71.7	208	1.0	-	-	-	-	1	-	-	-	5649	27.3
	Re-Exports	3378	3184	94.3	11	0.3	-	-	-	-	-	-	-	183	5.4	
503-79	Pts. & access. for elec. motors nes															
	Domestic Exports	17007	14351	84.4	41	0.2	-	-	52	0.3	35	0.2	-	-	2528	14.9
	Re-Exports	1332	1143	85.8	-	-	-	-	-	-	-	-	-	189	14.2	
503-19	Pts. & access for generators nes															
	Domestic Exports	16493	9144	55.4	1095	6.6	5	0.1	73	0.5	3	-	-	-	6173	37.4
	Re-Exports	580	504	86.9	-	-	-	-	-	-	-	-	-	-	76	13.1

Source: Statistics Canada Cat. #65-004

TABLE 19 (Cont'd) - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF ELECTRICAL INDUSTRIAL EQUIPMENT (SIC 336)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		Venezuela		Kenya		Iraq		Brazil		United Arab Rep. (Egypt)		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
688-79	Converter equip. & pts															
	Domestic Exports	10434	7279	69.7	18	0.2	144	1.4	-	-	-	-	-	-	2993	28.7
	Re-Exports	752	702	93.4	-	-	-	-	-	-	-	-	-	-	50	6.6
684-26	Circuit breakers & parts															
	Domestic Exports	9971	6928	69.5	74	0.7	-	-	-	-	21	0.2	-	-	2948	29.6
	Re-Exports	1045	859	82.2	-	-	-	-	-	-	-	-	-	186	17.8	
688-59	Industrial control equip. & pts															
	Domestic Exports	7903	4119	52.1	11	0.1	128	1.6	102	1.3	4	0.1	-	-	3539	44.8
	Re-Exports	974	924	94.9	-	-	-	-	-	-	-	-	-	-	50	5.1
	TOTAL SIC 336															
	Domestic Exports	246799	139596	56.6	13625	5.5	7597	3.1	6495	2.6	6190	2.5	5820	2.4	67476	27.3
	Re-Exports	17250	12290	71.3	894	5.2	-	-	5	-	34	0.2	-	-	4027	23.3
	Total Exports	264049	151886	57.5	14519	5.5	7597	2.9	6500	2.5	6224	2.4	5820	2.2	71503	27.0

TABLE 20 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF ELECTRICAL WIRE & CABLE (SIC 338)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		Saudi Arabia		United Arab Rep. (Egypt)		Singapore		Dominican Republic		Nigeria		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
469-75	Insulated wire & cable															
	Domestic Exports	103418	54717	52.9	24736	23.9	3789	3.7	2408	2.3	1975	1.9	1670	1.6	14123	13.7
	Re-Exports	2445	2195	89.8	-	-	-	-	23	0.9	-	-	-	-	227	9.3
452-88	Copper alloy wire & cable															
	Domestic Exports	905	529	58.5	-	-	-	-	9	1.0	-	-	-	-	367	40.5
	Re-Exports	13	13	100.0	-	-	-	-	-	-	-	-	-	-	-	-
452-18	Copper wire & cable (not insulated)															
	Domestic Exports	606	350	57.8	125	20.6	-	-	-	-	10	1.6	-	-	121	20.0
	Re-Exports	112	105	93.8	-	-	-	-	-	-	-	-	-	7	6.2	
	TOTAL SIC 338															
	Domestic Exports	104929	55596	53.0	24861	23.7	3789	3.6	2417	2.3	1985	1.9	1670	1.6	14611	13.9
	Re-Exports	2570	2313	90.0	-	-	-	-	23	0.9	-	-	-	-	234	9.1
	Total Exports	107499	57909	53.9	24861	23.1	3789	3.5	2440	2.3	1985	1.8	1670	1.6	14845	13.8

Source: Statistics Canada Cat. #65-004

TABLE 21 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF BATTERIES (SIC 3391)

Class No.	Commodity	Total '000\$	Country of Destination													
			U.S.A.		West Germany		Sweden		United Kingdom		Belgium Luxembourg		Kenya		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
693-29	Wet cell storage batteries															
	Domestic Exports	17292	11270	65.2	3302	19.1	616	3.6	448	2.6	390	2.2	3	-	1263	7.3
	Re-Exports	1240	1223	98.6	-	-	-	-	-	-	-	-	-	-	17	1.4
693-89	Batteries nes															
	Domestic Exports	8032	5437	67.7	1220	15.2	95	1.2	153	1.9	-	-	321	4.0	806	10.0
	Re-Exports	1392	1304	93.7	-	-	-	-	6	0.4	-	-	-	-	82	5.9
693-98	Pts. & supplies for batteries nes															
	Domestic Exports	1982	1302	65.7	26	1.3	27	1.4	87	4.4	2	0.1	-	-	538	27.1
	Re-Exports	523	521	99.6	-	-	-	-	-	-	-	-	-	-	2	0.4
	TOTAL SIC 3391															
	Domestic Exports	27306	18009	66.0	4548	16.7	738	2.7	688	2.5	392	1.4	324	1.2	2607	9.5
	Re-Exports	3155	3048	96.6	-	-	-	-	6	0.2	-	-	-	-	101	3.2
	Total Exports	30461	21057	69.1	4548	14.9	738	2.4	694	2.3	392	1.3	324	1.1	2708	8.9

Source: Statistics Canada Cat. #65-004

TABLE 22 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF MISCELLANEOUS ELECTRICAL PRODUCTS (SIC 3399)

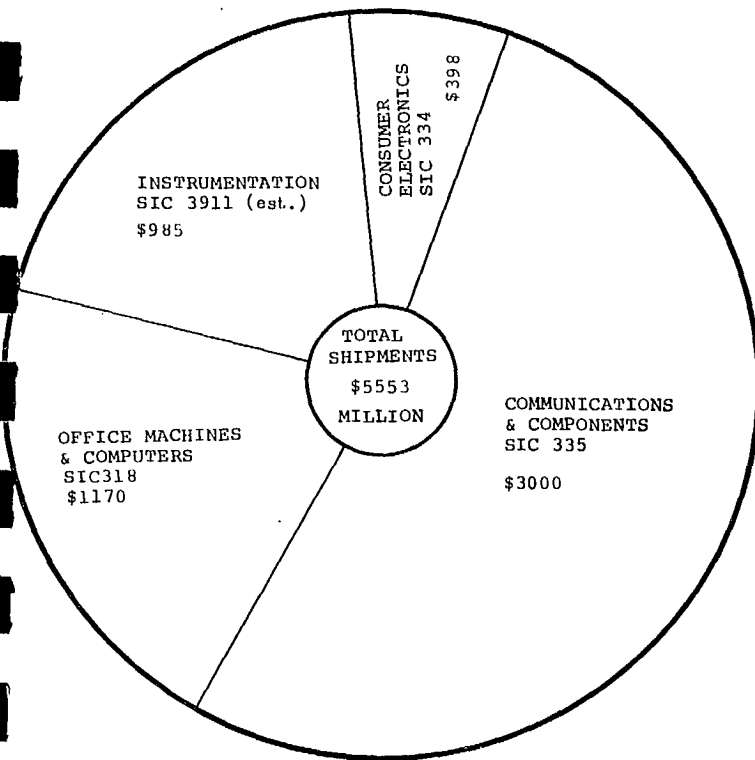
Class No.	Commodity	Total	Country of Destination													
			U.S.A.		United Kingdom		Australia		West Germany		France		Saudi Arabia		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
709-09	X-ray & related equip. & pts.															
	Domestic Exports	40780	30966	75.9	371	0.9	1127	2.8	251	0.6	158	0.4	20	-	7887	19.4
	Re-Exports	7750	7078	91.3	41	0.5	3	-	264	3.4	214	2.8	-	-	150	2.0
688-69	Wiring devices & parts															
	Domestic Exports	32840	23794	72.5	1495	4.6	453	1.4	236	0.7	328	1.0	1291	3.9	5243	15.9
	Re-Exports	4695	4007	85.3	134	2.9	4	0.1	59	1.3	11	0.2	-	-	480	10.2
682-99	Elec. lamps, bulbs & tubes															
	Domestic Exports	34909	20721	59.4	2222	6.4	2278	6.5	1395	4.0	1551	4.5	153	0.4	6589	18.8
	Re-Exports	1478	1299	87.9	4	0.3	62	4.2	5	0.3	-	-	-	-	108	7.3
495-99	Non-current carrying wiring mat. nes															
	Domestic Exports	6817	3850	56.5	10	0.1	25	0.4	12	0.2	13	0.2	746	10.9	2161	31.7
	Re-Exports	181	176	97.2	-	-	-	-	-	-	-	-	-	-	5	2.8
477-99	Carbons & carbon electrodes															
	Domestic Exports	2704	2071	76.6	38	1.4	28	1.0	95	3.5	24	0.9	-	-	448	16.6
	Re-Exports	708	701	99.0	-	-	-	-	-	-	-	-	-	-	7	1.0
	TOTAL SIC 3399															
	Domestic Exports	118050	81402	69.0	4136	3.4	3911	3.3	1989	1.7	2074	1.8	2210	1.9	22328	18.9
	Re-Exports	14812	13261	89.5	179	1.2	69	0.5	328	2.2	225	1.5	-	-	750	5.1
	Total Exports	132862	94663	71.2	4315	3.2	3980	3.0	2317	1.8	2299	1.7	2210	1.7	23078	17.4

Source: Statistics Canada Cat. #65-004

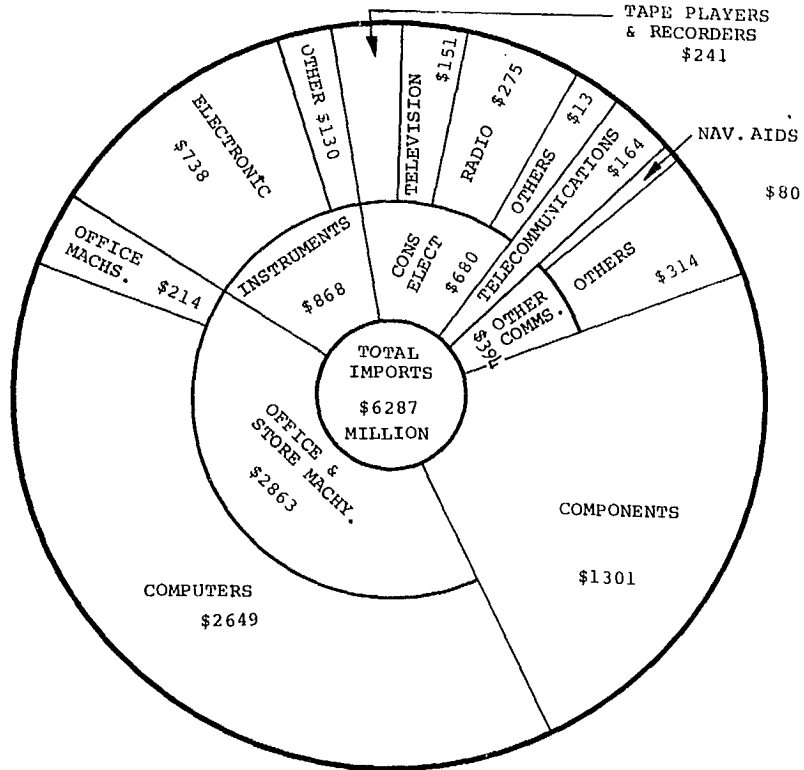
PERFORMANCE OF THE ELECTRONICS INDUSTRY

CANADIAN ELECTRONIC INDUSTRY - 1982

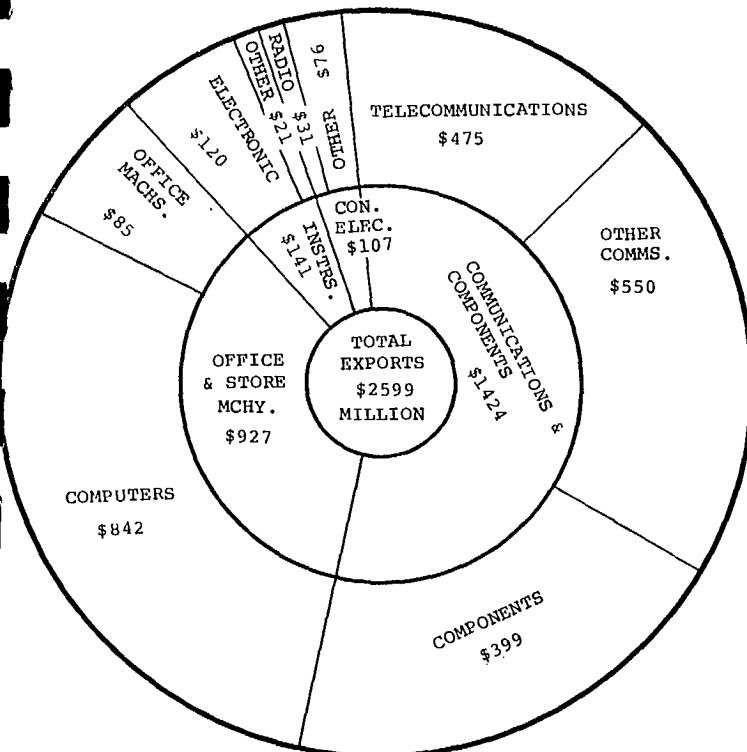
SHIPMENTS



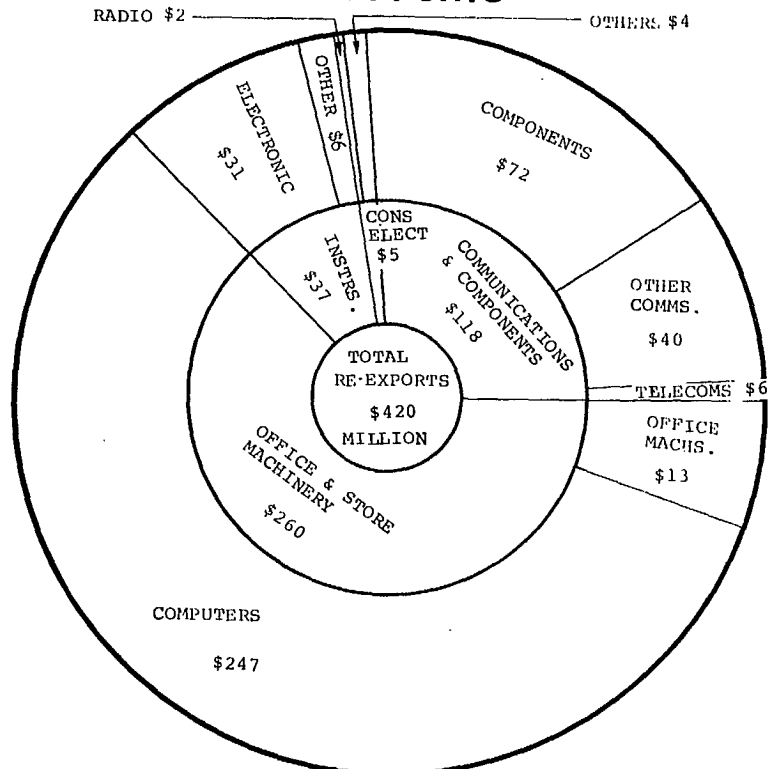
IMPORTS



DOMESTIC EXPORTS



RE-EXPORTS



ELECTRONICS INDUSTRY HIGHLIGHTS

The strong growth in Canadian demand of recent past years was absent in 1982. Because of a strong opening quarter, however a 3% rate of growth was achieved. Shipments grew by twice that level and this also brought a halt to the upward spiralling trade deficit of recent years.

Notwithstanding poor economic conditions, the telephone apparatus commodities did exceptionally well in expanding exports by one-third or \$116 million. In another large commodity class, integrated circuit and semi-conductors, exports were down by 26% or \$64,000.

	<u>\$ Millions</u>			
	1981 <u>Trade Deficit</u>	<u>1982</u>		
		<u>Exports</u>	<u>Imports</u>	<u>Trade Deficit</u>
U.S.A.	2,845	2,097	4,976	2,879
Japan	689	38	667	629

In 1982, trade was comprised mainly of the following commodities:

	<u>Japan</u>		<u>U.S.A.</u>	
	Imports	Exports	Imports	Exports
	-----(\$ Millions)-----			
Electronic Computers	45	19	2,477	831
Integrated Circuits and semi-conductors	5	2	487	147
Electronic Equip. Components NES	28	3	228	151
Photocopiers and Parts	53	-	225	-
Telephone and Telegraph App. and Parts	9	1	131	240
Geophysical Equip. and Parts	-	-	107	15
Commercial Communications Equip.	38	3	117	201
Coloured TV Sets	39	n.a.	82	n.a.
Comb. Radio-Phonograph Sets	49	-	26	41
Tape Players and Recorders	207	n.a.	17	n.a.

Canada traded favourably with few countries and the surpluses were quite small as shown below.

	<u>\$ Millions</u>			
	1981 <u>Trade Surplus</u>	<u>1982</u>		
		<u>Exports</u>	<u>Imports</u>	<u>Trade Surplus</u>
Australia	38	37	2	35
Turkey	18	39	0	39
Saudi Arabia	16	34	-	34
U.K.	51	118	63	55

The main exports to these countries in 1982 were telephone apparatus and parts \$55 Million, and computers and parts \$46 Million.

1982 LARGEST TRADE DEFICITS AND SURPLUSES

ELECTRONIC COMMODITY GROUPS

Largest Trade Deficits

	<u>Deficit</u>		<u>1982 Change</u>		<u>Chief Trading Partner</u>	
	<u>1982</u>	<u>1981</u>	<u>Exports</u>	<u>Imports</u>	<u>Exports</u>	<u>Imports</u>
	(\$000)		(\$000)			
Computers and Card Punch Machines and Parts	1,559,731	1,385,841	140,080	313,970	U.S.A.	U.S.A.
Int. Circuits, Semi-conductors and Parts	343,792	342,507	(64,224)	(62,939)	U.S.A.	U.S.A.
Radio Sets	107,253	261,258	6,903	(40,741)	U.K.	U.S.A.
*Photocopiers and Parts	195,000	211,000	2,000	(13,627)	U.S.A.	U.S.A.
Television Sets	116,833	147,345	604	(29,909)	U.S.A.	U.S.A. Japan South Korea
Misc. Electronic Components	93,190	89,922	(16,559)	(13,291)	U.S.A.	U.S.A.
Tape Players and Recorders	240,577	186,779	N.A.	53,798	N/A	Japan

Largest Trade Surpluses

	<u>Surplus</u>		<u>1982 Change</u>		<u>Chief Trading Partner</u>	
	<u>1982</u>	<u>1981</u>	<u>Exports</u>	<u>Imports</u>	<u>Exports</u>	<u>Imports</u>
	(\$000)		(\$000)			
Telephone Apparatus and Parts	336,373	207,997	116,207	12,169	U.S.A.	U.S.A.
Commercial Comm's Equipment	176,475	191,469	(11,990)	3,004	U.S.A.	U.S.A.

*I.T.C. Estimates

ELECTRONIC COMMODITIES1982 LARGEST PERCENTAGE CHANGES IN IMPORTS AND EXPORTS

	<u>1982</u>	<u>1981</u>	<u>1982 Change</u>		<u>Main Trading Partner</u>
			<u>Amount</u>	<u>%</u>	
	----- \$000 -----				
<u>A) Imports</u>					
Nav. instrs, app & pts	79,599	48,462	31,137	64	U.S.A.
TV sets nes under 19"	15,055	29,310	-14,255	-49	S. Korea
Pts of electronic tubes nes	17,266	33,639	-16,373	-49	U.S.A.
Pts of record players nes	23,837	46,901	-23,064	-49	Japan
Radio sets nes	63,128	100,929	-37,801	-37	Hong Kong,
TV, Radio and Phono. Set Chassis	58,204	83,450	-25,246	-30	Japan
Tape players and Recorders	240,577	186,779	53,798	29	Japan
Speakers, electronic & pts.	65,136	89,424	-24,288	-27	U.S.A.
Semi-conductors nes	258,684	324,582	-65,898	-20	U.S.A.
Radio, car, transistor or tube	76,919	66,736	10,183	15	U.S.A.
<u>B) Exports</u>					
Telegraph app & pts	8,972	4,533	4,439	98	U.S.A., U.K
Radio transmitting-receiving units	49,669	27,770	21,899	79	U.S.A.
Office mach. & pts nes	18,693	85,001	-66,308	-78	U.S.A.
Comb. radio-phono sets	41,467	28,821	12,646	44	U.S.A.
Electronic tubes & pts	29,168	47,358	-18,190	-38	U.S.A.
Electricity-meas. instrs. & pts	32,321	23,660	8,661	37	U.S.A.
Geophysical equip. & pts nes	24,125	37,572	-13,447	-36	U.S.A.
Telephone app & pts	471,812	355,605	116,207	33	U.S.A.
Nav. instr. & pts nes	152,148	114,843	37,305	32	U.S.A.
Semi-conductors & pts	182,542	246,766	-64,224	-26	U.S.A.

TABLE 23 - ELECTRONICS INDUSTRY

--- TEN YEAR SUMMARY ---

- millions of dollars -

Year	Apparent Domestic Market	Factory Shipments	Domestic Exports	Re-Exports	Total Exports	Imports
1982	8821	5553(P)	2599	420	3019	6287
1981	8669	5337	2486	376	2862	6194
1980	6986	4450	1996	321	2317	4853
1979	5507	3518	1620	265	1885	3874
1978	4590	2869	1186	158	1344	3065
1977	3952	2531	864	122	986	2407
1976	3685	2522	841	104	945	2108
1975	3366	2429	739	107	846	1783
1974	3298	2244	668	111	779	1833
1973	2693	1843	603	80	683	1533
1972	2355	1613	470	62	532	1274

P = Preliminary

PERCENTAGES

	Imports as % of ADM	Domestic Exports as % of Shipments	Shipments as % of ADM
1982	71.3	46.8	63.0
1981	71.4	46.6	61.6
1980	69.5	44.9	63.7
1979	70.3	46.0	63.9
1978	66.8	41.3	62.5
1977	60.9	34.1	64.1
1976	57.2	33.3	68.4
1975	53.0	30.4	72.2
1974	55.6	29.8	68.0
1973	56.9	36.4	68.4
1972	54.1	29.1	68.5

TABLE 24 - ELECTRONICS INDUSTRY
EMPLOYMENT TABLE (Yearly Average)

SIC	Description	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
334	Consumer Electronics	10,019	10,327	7,671	8,158	6,712	6,362	6,889	4,752	5,057	3,813
335	Comms. Equip. & Components	38,833	42,938	37,460	34,899	32,547	33,104	37,153	39,505	42,755	42,710
318	Office & Store Machinery	8,405	7,524	7,992	7,480	7,523	7,835	7,909	7,898	8,705	11,221
3911	Instruments	10,408	11,201	10,811	10,883	10,701	9,635	10,540	10,979	11,613	11,437
330	Head office, Sales & auxiliary units (50%)	3,074	3,262	3,515	3,372	3,256	2,913	1,660	1,361	1,501	1,646
	Total Electronics Ind.	70,739	75,252	67,449	64,792	60,739	59,849	64,151	64,495	69,631	70,827
	All Mfg. Industries	1,594,300	1,642,900	1,549,100	1,567,275	1,544,668	1,588,150	1,642,717	1,613,688	1,623,819	1,471,220
	Electronics as % of all Mfg.	4.4	4.6	4.4	4.1	3.9	3.8	3.9	4.0	4.3	4.8

Source: Cat #72-002 - Statistics Canada for companies of 20 employees or more.

TABLE 25 - IMPORTS OF ELECTRONICS PRODUCTS
(by Sector, 1972-1981)

Industry Grouping	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	- dollars millions -										
Electronics Industry	1273	1533	1834	1782	2109	2400	3065	3873	4853	6194	6287
S.I.C.											
335 - Communications	140	174	207	248	294	355	388	413	454	565	575
335 - Components	267	370	429	346	420	469	619	997	1237	1473	1301
334 - Radio and Television	232	265	309	252	384	421	512	544	536	698	680
318 - Office machines	447	497	609	659	736	798	1073	1343	1896	2583	2863
3911- Instruments	187	227	280	277	275	357	473	576	730	875	868

Source: Statistics Canada - Cat. 65-007

TABLE 26 - IMPORTS - ELECTRONICS INDUSTRY
SIGNIFICANT SOURCE COUNTRIES, BY SECTOR

	Office Machines					Communications and Components					Instruments					Radio and Television				
	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>	<u>78</u>	<u>79</u>	<u>80</u>	<u>81</u>	<u>82</u>
\$Millions																				
U.S.A.	899	1151	1704	2352	2595	720	1045	1283	1523	1431	403	477	615	732	752	214	216	200	209	198
Japan	63	78	66	80	93	139	162	185	253	191	29	43	60	86	61	199	168	178	303	322
United Kingdom	15	18	22	21	15	38	50	44	34	30	11	16	16	18	18	-	-	-	-	-
West Germany	17	13	14	17	18	15	20	25	23	20	11	17	16	11	7	-	-	-	-	-
Taiwan	-	-	-	5	10	13	25	37	59	56	-	-	-	-	-	24	39	51	49	34
South Korea	-	-	-	-	-	10	14	11	16	21	-	-	-	-	-	36	72	55	70	57
Mexico	-	-	-	-	1	18	21	22	39	40	-	-	-	-	-	-	-	-	-	-
All Countries	1073	1343	1896	2583	2863	1007	1411	1691	2038	1876	473	576	730	875	868	512	544	536	698	680

Commodity Class No.	Leading Import Classes for the Electronic Industry 1982	Value \$ Millions
771-22	Electronic Computers and Parts	2643.6
639-99	Electronic Equipment Components NES	296.6
919-47	Photocopy and Similar Machines and Parts	267.4
638-39	Semi-conductors NES	258.7
634-75	Tape Players, tape recorders (except parts)	240.6
638-31	Integrated Circuits	192.8
634-99	Commercial Communication Equipment NES	165.7
634-19	Telephone Apparatus Equipment and Parts	135.4
637-69	Combination Radio - Phonograph Sets	135.2
709-94	Geophysical Mineral Prosp. Equip. and Parts	116.1
702-90	Electric Meas. Test Instruments NES and Parts	87.8
637-14	TV Receiving Sets, colour over 19 inch	85.8
703-95	Parts of Measuring and Control Instrs. NES	78.1
637-24	Radio Receiving Sets, automobile	76.9
709-19	Navigation Instruments Apparatus and Parts	75.6
639-45	Speakers, Electronic Comms. and Parts	65.1
637-49	Radio Receiving Sets NES (except parts)	63.1
639-60	TV, Radio and Phonograph set chassis	58.2
639-10	Capacitors, Electronic and Parts	57.0
771-60	Parts, Attach, and Access. for Typewriters	48.3
771-15	Calculating Machines and Parts	47.7
638-49	Parts of Semi-conductors	46.4
639-55	Printed Circuit Boards	41.3
634-90	Radio transmitting Receiving Units	40.4
638-19	Electronic Tubes NES	36.7
703-44	Flow level meas. control. instr. & pts.	35.8
639-23	Transformers, electronic & pts.	33.5
637-11	TV Receiving Sets, colour, under 19 inch	32.4
703-75	Pressure meas. & control. instr.	31.7
634-95	Radio, TV broad, transm. equip. NES	30.8

TABLE 28 - 1982 IMPORTS OF COMMUNICATIONS EQUIPMENT
(PART OF SIC335)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		United Kingdom		South Korea		Taiwan		Hong Kong		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	165719	116696	70.4	38004	22.9	2496	1.5	1194	0.7	2689	1.6	112	0.1	4528	2.8
634-19	Telephone Apparatus Equip. & Pts.	135439	106257	78.5	5534	4.1	1298	1.0	6386	4.7	3022	2.2	4025	3.0	8917	6.5
709-19	Navigation Instruments Appar. & Pts.	79599	71944	90.4	2483	3.1	1811	2.3	-	-	7	-	576	0.7	2778	3.5
634-90	Radio Transmitting-Receiving Units	40431	31032	76.8	4860	12.0	94	0.2	2449	6.1	1328	3.3	536	1.3	132	0.3
634-95	Radio TV. Broadcast Transm. Equip. NES	30779	22432	72.9	5332	17.3	920	3.0	150	0.5	37	0.1	4	-	1904	6.2
634-29	Telegraph Apparatus Equip. & Pts.	28921	24556	84.9	3333	11.5	45	0.2	-	-	-	-	13	0.1	974	3.3
720-54	RR & Transit Sig. Systems & Pts. NES	27562	24514	88.9	-	-	163	0.6	-	-	-	-	-	-	2885	10.5
720-59	Alarm & Signal Systems & Pts. NES	27068	24551	90.7	998	3.7	438	1.6	119	0.4	270	1.0	324	1.2	368	1.4
634-39	Radar Equip. Rel. Devices & Pts. NES	23988	16551	69.0	1248	5.2	4371	18.2	-	-	-	-	-	-	1818	7.6
634-35	Sonar Echo Sounding Rel. Devices Pts.	15340	13178	85.9	364	2.4	317	2.1	-	-	-	-	-	-	1481	9.6
	Sub-Total Comms. Equip.	574846	451711	78.5	62156	10.8	11953	2.1	10298	1.8	7353	1.3	5590	1.0	25785	4.5
	Sub-Total Elec. Components	1300922	978911	75.2	128625	9.9	18011	1.4	10748	0.8	48273	3.7	11023	0.9	105331	8.1
	Total SIC335	1875768	1430622	76.3	190781	10.2	29964	1.6	21046	1.1	55626	3.0	16613	0.9	131116	6.9

Source: Statistics Canada Cat. #65-007

TABLE 28 (Cont'd) - 1982 IMPORTS OF ELECTRONIC COMPONENTS
(OTHER PART OF SIC335)

Class No.	Commodity	Total	Supplier Countries													
			U.S.A.		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
639-99	Electronic Equip. Components NES	296574	227513	76.7	28494	9.6	9065	3.1	11420	3.9	4453	1.5	4807	1.6	10822	3.6
638-39	Semi-Conductors NES	258684	251310	97.1	829	0.3	674	0.3	268	0.1	599	0.2	1171	0.4	3833	1.6
638-31	Integrated Circuits	192785	167186	86.7	3285	1.7	2560	1.3	104	0.1	2653	1.4	1231	0.6	15766	8.2
639-45	Speakers, Electronic Communic. & Pts.	65136	37744	57.9	13863	21.3	5862	9.0	16	-	3037	4.7	653	1.0	3961	6.1
639-60	TV, Radio & Phonograph Set Chassis	58204	2236	3.8	18967	32.6	13657	23.5	22392	38.5	-	-	-	-	952	1.6
639-10	Capacitors, Electronic & Parts	57044	44555	78.1	2240	3.9	809	1.4	935	1.6	776	1.4	724	1.3	7005	12.3
638-49	Pts. of Semi-Conductors	46384	44712	96.4	597	1.3	11	-	25	-	98	0.2	702	1.5	239	0.6
639-55	Printed Circuit Boards	41251	29772	72.2	4798	11.6	4038	9.8	696	1.7	325	0.8	215	0.5	1407	3.4
638-19	Electronic Tubes NES	36720	27632	75.2	3893	10.6	830	2.3	-	-	2065	5.6	248	0.7	2052	5.6
639-23	Transformers, Electronic Type & Pts.	33479	22373	66.8	1762	5.3	1927	5.8	32	0.1	276	0.8	1582	4.7	5527	16.5
634-45	Sound Amplifiers, Except Pts.	30283	11017	36.3	12065	39.9	2017	6.7	39	0.1	1208	4.0	36	0.1	3901	12.9
638-33	Semi-Conductors Transistor Type	28481	24074	84.5	731	2.6	68	0.2	135	0.5	435	1.5	806	2.8	2232	7.9

Source: Statistics Canada 65-007

TABLE 28 (Cont'd) - 1982 IMPORTS OF ELECTRONIC COMPONENTS
(OTHER PART OF SIC335)

Class No.	Commodity	Total	Supplier Countries													
			U.S.A.		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
639-15	Resistors, Electronics & Pts.	24295	19143	78.8	1154	4.7	477	2.0	750	3.1	298	1.2	110	0.5	2363	9.7
639-92	Pts. of Phonograph Record Player NES	23837	4356	18.3	14821	62.2	189	0.8	-	-	1218	5.1	1621	6.8	1632	6.8
638-14	Television Picture Tubes	20962	17406	83.1	2691	12.8	695	3.3	-	-	8	-	-	-	162	0.8
639-50	Tuners	18553	1622	8.8	9836	53.0	3254	17.5	1135	6.1	57	0.3	12	0.1	2637	14.2
639-94	Pts. of Tape Players & Recorders, NES	17436	11935	68.4	3570	20.5	48	0.3	-	-	107	0.6	54	0.3	1722	9.9
638-29	Pts. of Electronics Tubes NES	17266	12143	70.3	1157	6.7	-	-	17	0.1	249	1.5	6	-	3694	21.4
639-30	Power Supply Units & Pts. Pack Elec.	11387	7304	64.2	1003	8.8	984	8.7	8	-	31	0.3	2	-	2055	18.0
639-24	Inductors & Coils Electronic & Pts.	8512	4486	52.7	1094	12.9	992	11.6	1234	14.5	57	0.7	400	4.7	249	2.9
639-40	Microphones & Pts	7003	4308	61.5	1593	22.8	92	1.3	-	-	33	0.5	440	6.3	537	7.6
639-20	Crystals, Mounted & Holders	3574	3087	86.4	176	4.9	24	0.7	-	-	3	0.1	45	1.2	239	6.7
638-16	Electronic Receiving Tubes	3072	2997	97.6	6	0.2	-	-	-	-	25	0.8	-	-	44	1.4
	Sub-Total Elec. Components	1300922	978911	75.3	128625	9.9	48273	3.7	39206	3.0	18011	1.4	14865	1.1	73031	5.6
	Sub-Total Comms. Equip.	574846	451711	78.6	62156	10.8	7353	1.3	1271	0.2	11953	2.1	5062	0.9	35340	6.1
	Total SIC 335	1875768	1430622	76.3	190781	10.2	55626	3.0	40477	2.1	29964	1.6	19927	1.0	108371	5.8

TABLE 29 - 1982 IMPORTS OF ELECTRONIC CONSUMER PRODUCTS (SIC334)

Class No.	Commodity	Total	Supplier Countries													
			Japan		U.S.A.		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.)	240577	207408	86.2	16511	6.9	6918	2.9	2769	1.1	3617	1.5	1690	0.7	1664	0.7
637-69	Combination Radio Phonograph Sets	135182	48902	36.2	26454	19.6	22884	16.9	8928	6.6	20852	15.4	5371	4.0	1791	1.3
637-14	TV Receiving Sets Colour Over 19 in.	85781	20588	24.0	61370	71.6	3792	4.4	5	-	4	-	17	-	5	-
637-24	Radio Receiving Sets, Automobiles	76919	3080	4.0	58277	75.8	2478	3.2	892	1.2	20	-	43	-	12129	15.8
637-49	Radio Receiving Sets NES (Exc. Pts.)	63128	21618	34.3	3622	5.7	5920	9.4	22148	35.1	4439	7.0	4429	7.0	952	1.5
637-11	TV Receiving Sets Colour Under 19 in.	32446	15128	46.6	7504	23.2	4683	14.4	99	0.3	400	1.2	4632	14.3	-	-
637-13	TV Receiving Sets Color 19 inches	16324	3215	19.7	12859	78.8	244	1.5	-	-	3	-	-	-	3	-
637-15	TV Receiving Sets Under 19 in. NES	15055	582	3.9	90	0.6	10076	66.9	40	0.3	4262	28.3	4	-	1	-
637-94	Receiving Antennae and Mountings	11773	720	6.1	10154	86.2	112	1.0	46	0.4	175	1.5	-	-	566	4.8
637-59	Phonograph Record Players, Domestic	1170	362	30.9	755	64.5	-	-	5	0.4	-	-	3	0.3	45	3.9
637-17	TV Receiving Sets 19 in. NES	891	53	5.9	20	2.3	137	15.4	-	-	681	76.4	-	-	-	-
634-49	Phonographs, Coin-Operated (Exc. Pts.)	511	-	-	406	79.5	-	-	-	-	-	-	-	-	105	20.5
637-18	TV Receiving Sets over 19 in. NES	281	95	33.8	86	30.6	99	35.2	-	-	-	-	-	-	1	0.4
	Total SIC334	680038	321751	47.3	198108	29.1	57343	8.4	34932	5.1	34453	5.1	16189	2.4	17262	2.6

Source: Statistics Canada 65-007

TABLE 30 - 1982 IMPORTS OF OFFICE AND STORE MACHINERY (SIC 318)

Class No.	Commodity	Total	Supplier Countries													
			U.S.A.		Japan		Brazil		Puerto Rico		West Germany		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	2643625	2472600	93.5	44494	1.7	36041	1.4	25953	1.0	6473	0.2	13396	0.5	44668	1.7
771-60	Pts Attach. & Acess for Typewriters	48257	37610	77.9	464	1.0	414	0.9	8	-	1298	2.7	14	-	8449	17.5
771-15	Calculating Machines & Pts	47719	11702	24.5	24056	50.4	19	-	-	-	280	0.6	18	-	11644	24.5
771-48	Typewriters, Electric	22665	7294	32.2	7271	32.1	92	0.4	-	-	1767	7.8	-	-	6241	27.5
771-12	Addressing, Mail Handling Machine & Pts.	20979	16964	80.9	630	3.0	-	-	-	-	2121	10.1	440	2.1	824	3.9
771-99	Office Machines, Equip. & Pts. NES	18553	15212	82.0	363	2.0	-	-	-	-	1598	8.6	224	1.2	1156	6.2
771-46	Typewriters, Electronic, Word Proc.	17059	9869	57.9	1525	8.9	75	0.4	-	-	3889	22.8	-	-	1701	10.0
771-26	Cash Registers	12814	1556	12.2	10895	85.0	-	-	69	0.5	1	-	5	-	288	2.3
771-36	Dictating, Transcribing Mach. & Pts.	8056	3407	42.3	1949	24.2	-	-	-	-	604	7.5	-	-	2096	26.0
771-32	Coin Handling & Related Mach. & Pts.	8051	7834	97.3	28	0.4	-	-	-	-	64	0.8	16	0.2	109	1.3

Source: Statistics Canada 65-007

TABLE 30 (Cont'd) - 1982 IMPORTS OF OFFICE AND STORE MACHINERY (SIC318)

Class No.	Commodity	Total	Supplier Countries													
			U.S.A.		Japan		Brazil		Puerto Rico		West Germany		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.	5342	4533	84.9	77	1.4	-	-	-	-	30	0.6	58	1.1	644	12.0
771-28	Pts. Attach. & Access for Cash Registers	3347	2415	72.2	890	26.6	-	-	9	0.3	1	-	2	-	30	0.9
771-40	Duplicating Machines & Pts.	2819	2008	71.2	20	0.7	-	-	-	-	48	1.7	575	20.4	168	6.0
771-04	Accounting, Bookkeeping Mach. & Pts. NES	2238	1973	88.2	2	-	-	-	-	-	-	-	227	10.2	36	1.6
771-52	Typewriters, Portable, NES	697	36	5.2	404	58.0	72	10.3	-	-	-	-	156	22.4	29	4.1
771-56	Typewriters, Standard, Non-Electric	583	11	1.9	-	-	145	24.9	-	-	25	4.2	2	0.3	400	68.7
771-08	Adding Machines & Pts.	154	152	98.7	-	-	-	-	-	-	-	-	-	-	2	1.3
	Sub-Total Office Machines	213991	118043	55.2	48497	22.7	817	0.4	86	-	11696	5.4	1679	0.8	33173	15.5
	Sub-Total Computers	2648967	2477133	93.5	44571	1.7	36041	1.4	25953	1.0	6503	0.2	13454	0.5	45312	1.7
	Total SIC318	2862958	2595176	90.6	93068	3.3	36858	1.3	26039	0.9	18199	0.6	15133	0.5	78485	2.8

Source: Statistics Canada 65-007

TABLE 31 - 1982 IMPORTS OF INSTRUMENTS AND RELATED PRODUCTS (SIC3911)

Class No.	Commodity	Total	Supplier Countries													
			U.S.A.		Japan		United Kingdom		West Germany		France		Sweden		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
919-47	Photocopy & Similar Mach. & Pts.	267422	212207	79.3	52589	19.7	423	0.2	547	0.2	13	-	-	-	1643	0.6
709-94	Geophysical Mineral Prosp. Equip. & Pt.	116097	107052	92.2	48	0.1	1556	1.3	160	0.1	4264	3.7	346	0.3	2671	2.3
702-90	Electric Meas. Test Instr. NES & Pts.	87799	78500	89.4	881	1.0	4859	5.5	1523	1.7	46	0.1	195	0.2	1795	2.1
703-95	Pts. of Measuring and Control Instr. NES	78052	74314	95.2	314	0.4	977	1.2	478	0.6	62	0.1	382	0.5	1525	2.0
703-44	Flow Level Meas. Control Instr. & Pts.	35790	34135	95.4	126	0.3	421	1.2	274	0.8	51	0.1	316	0.9	467	1.3
703-75	Pressure Measuring and Control Instr.	31667	30295	95.7	153	0.5	337	1.1	167	0.5	190	0.6	97	0.3	428	1.3
703-78	Process. Multi-Function Control. Instrs.	29901	26018	87.0	1309	4.4	137	0.5	61	0.2	154	0.5	1280	4.3	942	3.1
702-17	Elec. Property Measuring Instr. Pt.	25026	20109	80.3	1028	4.1	1060	4.2	375	1.5	49	0.2	46	0.2	2359	9.5
703-79	Measuring & Controlling Instr. NES	24900	21847	87.7	659	2.6	778	3.1	516	2.1	103	0.4	195	0.8	802	3.3
702-18	Oscilloscope, Oscillograph & Access.	21124	18491	87.6	870	4.1	541	2.6	383	1.8	-	-	42	0.2	797	3.7

TABLE 31 (Cont'd) - 1982 IMPORTS OF INSTRUMENTS AND RELATED PRODUCTS (SIC3911)

Class No.	Commodity	Total	Supplier Countries													
			U.S.A.		Japan		United Kingdom		West Germany		France		Sweden		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
707-15	Spectrophotometer Colorimeter & Pts.	17298	14795	85.6	231	1.3	979	5.7	75	0.4	59	0.3	16	0.1	1143	6.6
702-22	Elec. Property Recording Instr. & Pt.	15444	13984	90.6	423	2.7	314	2.0	168	1.1	47	0.3	20	0.1	488	3.2
703-77	PH Measuring & Gas Analysis Instr.	14252	13413	94.1	48	0.4	353	2.5	87	0.6	16	0.1	15	0.1	320	2.2
709-95	Nuclear Radiation Meas. Equip. & Pts.	13346	9529	71.4	19	0.1	361	2.7	247	1.9	808	6.1	6	-	2376	17.8
703-28	Thermostats	13244	11936	90.1	186	1.4	582	4.4	100	0.8	138	1.0	23	0.2	279	2.1
702-41	Signal Gen. Test. Oscillators & Pts.	13009	11042	84.9	115	0.9	1313	10.1	338	2.6	29	0.2	4	-	168	1.3
919-48	Microfilm Equip. & Pts.	11990	10790	90.0	882	7.3	188	1.6	82	0.7	-	-	-	-	48	0.4
703-71	Thermal Measure and Central Instr. NES	11482	10893	94.9	145	1.3	178	1.6	63	0.5	43	0.4	27	0.2	133	1.1
703-42	Gas Meters & Pts.	11032	10606	96.1	-	-	422	3.9	4	-	-	-	-	-	-	-
703-48	Motion Rotation Meas. Cont. Instr. & Pts.	9133	7060	77.3	170	1.9	611	6.7	686	7.5	171	1.9	45	0.5	390	4.2

Source: Statistics Canada 65-007

TABLE 31 (Cont'd) - 1982 IMPORTS OF INSTRUMENTS AND RELATED PRODUCTS (SIC3911)

Class No.	Commodity	Total	Supplier Countries													
			United States		Japan		United Kingdom		West Germany		France		Sweden		Others	
			'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total	'000\$	% of total
703-25	Thermometers	8155	6278	77.0	530	6.5	216	2.6	160	2.0	92	1.1	19	0.2	860	10.6
703-62	Meteorological Instr. Appara. & Pt.	6377	4592	72.0	363	5.7	626	9.8	330	5.2	367	5.7	17	0.3	82	1.3
703-73	Humidity Measuring & Control Instr.	3560	2638	74.1	17	0.5	198	5.6	25	0.7	86	2.4	83	2.3	513	14.4
919-49	Blue & Whiteprint Proc. Equip. & Pts.	1836	1712	93.2	8	0.4	72	4.0	36	2.0	-	-	-	-	8	0.4
	Total SIC3911	867936	752236	86.7	61114	7.0	17502	2.0	6885	0.8	6788	0.8	3174	0.4	20237	2.3

Source: Statistics Canada Cat. #65-007

TABLE 32 - TOTAL EXPORTS OF ELECTRONICS INDUSTRY

(by Sector, 1973-1982)

Industry Grouping	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	- dollars millions -									
Electronics Industry	683	779	846	945	986	1344	1885	2317	2862	3019
S.I.C.										
335 - Communications	200	234	281	310	274	343	553	757	901	1071
335 - Components	151	174	152	151	162	230	268	381	566	471
334 - Radio and Television	34	36	32	32	57	96	107	74	90	112
318 - Office machines	244	280	317	379	414	574	810	926	1111	1187
3911- Instruments	54	55	64	73	79	101	147	179	194	178

Source: Statistics Canada - Cat. 65-004

TABLE 33 - EXPORTS - ELECTRONICS INDUSTRY
SIGNIFICANT MARKETS, BY SECTOR

	Communications and Components			Office Machines			Instruments			Radio and Television		
	80	81	82	80	81	82	80	81	82	80	81	82
\$Millions												
U.S.A.	732	1001	982	648	798	915	100	110	115	54	63	85
U.K.	42	51	54	31	43	27	7	11	12	13	20	25
Ireland	22	39	50	-	-	-	-	-	-	-	-	-
W. Germany	24	30	25	13	20	17	3	5	3	-	1	-
France	19	24	20	20	26	23	-	-	-	-	-	-
Italy	13	14	7	13	8	6	-	-	-	-	-	-
Switzerland	-	-	-	-	6	5	-	-	-	-	-	-
The Netherlands	-	-	-	27	42	44	3	4	3	-	-	-
Sweden	-	-	-	19	9	9	-	-	-	-	-	-
Mexico	-	-	-	13	10	8	10	14	4	-	-	-
Brazil	-	-	-	11	5	7	3	1	1	-	-	-
Venezuela	-	-	-	-	5	3	3	2	2	3	2	-
Saudia Arabia	8	12	30	-	-	-	-	-	-	-	-	-
Turkey	17	19	39	-	-	-	-	-	-	-	-	-
Libya	19	4	2	-	-	-	-	-	-	-	-	-
Malaysia	-	-	11	-	-	-	-	-	-	-	-	-
S. Korea	11	17	56	-	-	-	-	-	-	-	-	-
Japan	-	-	15	22	22	19	-	-	-	-	-	-
Indonesia	-	-	5	-	-	-	-	-	-	-	-	-
Philippines	-	-	5	-	-	-	-	-	-	-	-	-
Australia	-	-	11	17	22	23	4	7	2	-	-	-
Total Above	907	1211	1312	834	1016	1106	133	154	142	70	86	110
Total World	1138	1465	1542	926	1111	1187	179	194	178	73	89	112

TABLE 34		
Commodity Class No.	Leading Export Classes for the Electronics Industry 1982	Value \$ Millions
771-21	Card Punch Sort Tab Computers and Parts	1089.2
634-19	Telephone Apparatus Equipment and Parts	471.8
634-99	Commercial Communication Equipment NES	342.2
639-99	Electronic Equipment Components NES	203.4
638-41	Semi-conductors and Parts	182.5
709-19	Navigation Instruments Apparatus and Parts	152.1
703-89	Measuring and Controlling Instruments NES	89.2
771-48	Typewriters, Electric	63.7
634-90	Radio Transmitting - Receiving Units	49.7
637-70	Combination Radio - Phonograph Sets	41.5
639-55	Printed Circuit Boards	39.0
637-20	T.V. Receiving Sets, Except Combination	33.9
637-49	Radio Receiving Sets	32.8
702-90	Electricity - Measuring Instruments and Parts	32.3
638-21	Electronic Tubes and Parts	29.2
634-95	Radio TV Broadcast Transmission Equipment NES	26.2
703-98	Parts of Measuring and Control Instruments NES	26.1
709-94	Geophysical Mineral Prosp. Eq. and Pts.	24.1
634-39	Radar Equipment Related Devices and Parts NES	20.0
771-99	Office Machines Equipment and Parts NES	18.7
771-60	Parts Attach. and Access. for Typewriter	15.1
634-29	Telegraph Appar. Equip and Parts	9.0
634-45	Sound Amplifiers exc. pts.	7.0
639-15	Resistors, electronic and pts.	5.1
703-28	Thermostats	4.4
637-99	Phonographs and Dom. Receiving Antennae	4.3
639-23	Transformers, Electronic Type and Parts	3.9
703-71	Thermal Meas. and Control, Instr. NES	1.6
639-60	T.V. radio & phono set chassis	1.1
771-59	Typewriters, NES	0.4

TABLE 35 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF RADIO AND TELEVISION RECEIVERS (SIC 334)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		United Kingdom		Puerto Rico		Japan		West Germany		Hong Kong		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
637-70	Comb. radio phonograph sets															
	Domestic Exports	38737	38256	98.8	474	1.2	-	-	1	-	-	-	-	-	6	-
	Re-Exports	2730	2370	86.8	-	-	8	0.3	255	9.3	-	-	49	1.8	48	1.8
637-20	T.V. receiving sets, excl. combinations															
	Domestic Exports	33753	32647	96.7	4	-	975	2.9	6	-	-	-	2	-	119	0.4
	Re-Exports	193	158	81.9	-	-	-	-	2	1.0	-	-	-	-	33	17.1
637-49	Radio receiving sets															
	Domestic Exports	31113	7070	22.7	23641	76.0	-	-	-	-	225	0.7	-	-	177	0.6
	Re-Exports	1681	1595	94.9	-	-	5	0.3	-	-	-	-	49	2.9	32	1.9
637-99	Phonographs & receiving antennae															
	Domestic Exports	3501	2321	66.3	807	23.1	113	3.2	7	0.2	73	2.1	-	-	180	5.1
	Re-Exports	789	664	84.2	29	3.7	-	-	52	6.6	-	-	20	2.5	24	3.0
	TOTAL SIC 334															
	Domestic Exports	107104	80294	75.0	24926	23.3	1088	1.0	14	-	298	0.3	2	-	482	0.4
	Re-Exports	5393	4787	88.8	29	0.5	13	0.2	309	5.7	-	-	118	2.2	137	2.6
	Total Exports	112497	85081	75.6	24955	22.2	1101	1.0	323	0.3	298	0.3	120	0.1	619	0.5

Source: Statistics Canada Cat. #65-004

TABLE 36 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF
COMMUNICATION EQUIPMENT (part of SIC 335)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		South Korea		Ireland		Turkey		United Kingdom		Saudi Arabia		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
634-19	Telephone equip., app. & parts															
	Domestic Exports	466391	232448	49.8	45183	9.7	45569	9.8	38435	8.2	12412	2.7	2178	0.5	90166	19.3
	Re-Exports	5421	4896	90.3	39	0.7	12	0.2	-	-	272	5.0	-	-	202	3.8
634-99	Commercial communication equip. nes															
	Domestic Exports	312704	176719	56.5	7989	2.6	1606	0.5	153	-	11664	3.7	22665	7.3	91908	29.4
	Re-Exports	29490	24222	82.1	18	0.1	-	-	-	-	787	2.7	147	0.5	4316	14.6
709-19	Navigation instruments, appar. & pts.															
	Domestic Exports	145695	108716	74.6	28	-	8	-	228	0.2	3070	2.1	1338	0.9	32307	22.2
	Re-Exports	6453	5272	81.7	-	-	2	-	-	-	30	0.5	28	0.4	1121	17.4
634-90	Radio trans-receiving units															
	Domestic Exports	47596	29098	61.1	289	0.6	46	0.1	27	0.1	1028	2.2	1248	2.6	15860	33.3
	Re-Exports	2073	1609	77.6	32	1.5	-	-	20	1.0	49	2.4	12	0.6	351	16.9
634-95	Radio, T.V. broadc. transm. equip. nes															
	Domestic Exports	24296	16343	67.3	-	-	299	1.2	-	-	3363	13.8	5	-	4286	17.7
	Re-Exports	1872	1659	88.6	-	-	-	-	-	-	28	1.5	-	-	185	9.9
634-39	Radar equip. & rel. devices & pts.															
	Domestic Exports	18950	12080	63.7	2	-	9	0.1	-	-	18	0.1	2	-	6839	36.1
	Re-Exports	1018	764	75.0	-	-	-	-	-	-	95	9.4	-	-	159	15.6
634-29	Telegraph equip., appar. & parts															
	Domestic Exports	8794	2691	30.6	-	-	-	-	-	-	2745	31.2	28	0.3	3330	37.9
	Re-Exports	178	165	92.7	-	-	-	-	-	8	4.5	-	-	5	2.8	
	Total Communication Equip.															
	Domestic Exports	1024426	578095	56.4	53491	5.2	47537	4.7	38843	3.8	34300	3.3	27464	2.7	244696	23.9
	Re-Exports	46505	38587	83.0	89	0.2	14	-	20	-	1269	2.7	187	0.4	6339	13.7
	Total Exports	1070931	616682	57.6	53580	5.0	47551	4.5	38863	3.6	35569	3.3	27651	2.6	251035	23.4

Source: Statistics Canada Cat. #65-004

TABLE 36 (Cont'd) - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF ELECTRONIC COMPONENTS
(other part of SIC 335)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		United Kingdom		France		West Germany		Japan		Brazil		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
639-99	Electronic equip. components nes															
	Domestic Exports	170476	126505	74.2	5966	3.5	2311	1.4	3782	2.2	2113	1.2	3215	1.9	26584	15.6
	Re-Exports	32908	24462	74.3	1234	3.7	218	0.7	236	0.7	752	2.3	-	-	6006	18.3
638-41	Semi-conductors & parts															
	Domestic Exports	157307	129489	82.3	2324	1.5	7442	4.7	2693	1.7	1090	0.7	361	0.2	13908	8.9
	Re-Exports	25235	17095	67.7	1133	4.5	1293	5.1	955	3.8	844	3.4	-	-	3915	15.5
639-55	Printed circuit boards															
	Domestic Exports	32333	23969	74.1	6325	19.6	45	0.1	127	0.4	48	0.2	6	-	1813	5.6
	Re-Exports	6699	6169	92.1	25	0.4	3	-	153	2.3	38	0.6	-	-	311	4.6
638-21	Electronic tubes & parts															
	Domestic Exports	24117	18747	77.8	1494	6.2	287	1.2	390	1.6	54	0.2	1191	4.9	1954	8.1
	Re-Exports	5051	4140	82.0	132	2.6	43	0.8	59	1.2	106	2.1	-	-	571	11.3
634-45	Sound amplifiers (except parts)															
	Domestic Exports	6694	5848	87.3	191	2.9	119	1.8	22	0.3	80	1.2	7	0.1	427	6.4
	Re-Exports	310	301	97.1	-	-	3	1.0	-	-	-	-	-	-	6	1.9
639-15	Resistors, electronic & parts															
	Domestic Exports	4520	3899	86.3	4	0.1	50	1.1	12	0.3	7	0.1	-	-	548	12.1
	Re-Exports	628	616	98.1	-	-	-	-	1	0.1	-	-	-	-	11	1.8
639-23	Transformers, electronic & parts															
	Domestic Exports	3649	2768	75.9	41	1.1	6	0.2	2	-	-	-	-	-	832	22.8
	Re-Exports	212	200	94.3	-	-	-	-	-	-	-	-	-	-	12	5.7
639-60	T.V., radio & phonograph set chassis															
	Domestic Exports	24	24	100.0	-	-	-	-	-	-	-	-	-	-	-	-
	Re-Exports	1057	903	85.4	3	0.3	-	-	-	-	-	-	-	-	151	14.3
	TOTAL Electronic Components															
	Domestic Exports	399120	311249	78.0	16345	4.1	10260	2.6	7028	1.8	3392	0.8	4780	1.2	46066	11.5
	Re-Exports	72100	53886	74.7	2527	3.5	1560	2.2	1404	1.9	1740	2.4	-	-	10983	15.3
	Total Exports	471220	365135	77.5	18872	4.0	11820	2.5	8432	1.8	5132	1.1	4780	1.0	57049	12.1

Source: Statistics Canada, Cat. #65-004

TABLE 37 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF OFFICE AND STORE MACHINERY (SIC 318)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		Netherlands		United Kingdom		Australia		France		Japan		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
771-21	Card punch tab. sort & computers & parts															
	Domestic Exports	842394	600093	71.2	42843	5.1	22581	2.7	16516	2.0	21096	2.5	16991	2.0	122274	14.7
	Re-Exports	246842	230909	93.5	565	0.2	3631	1.5	626	0.3	1382	0.6	2018	0.8	7711	3.1
771-48	Typewriters, electric															
	Domestic Exports	63233	61860	97.9	-	-	-	-	-	-	20	-	-	-	1353	2.1
	Re-Exports	506	504	99.6	-	-	-	-	-	-	-	-	2	0.4	-	-
771-99	Office mach. equip. & pts. nes															
	Domestic Exports	13823	9257	67.0	105	0.8	934	6.8	577	4.2	694	5.0	166	1.2	2090	15.0
	Re-Exports	4870	4486	92.1	4	-	61	1.3	-	-	1	0.1	4	0.1	314	6.4
771-60	Pts. attach. & access. for typewriters															
	Domestic Exports	7486	3970	53.0	128	1.7	14	0.2	2437	32.6	47	0.6	2	-	888	11.9
	Re-Exports	7620	3750	49.2	275	3.6	3	0.1	3162	41.5	77	1.0	-	-	353	4.6
771-59	Typewriters nes															
	Domestic Exports	365	70	19.2	-	-	-	-	-	-	-	-	-	-	295	80.8
	Re-Exports	47	-	-	-	-	-	-	-	-	-	-	-	-	47	100.0
771-52	Typewriters, portable, nes															
	Domestic Exports	64	49	76.6	-	-	-	-	-	-	-	-	-	-	15	23.4
	Re-Exports	51	48	94.1	-	-	-	-	-	-	-	-	-	-	3	5.9
771-08	Adding machines & pts															
	Domestic Exports	4	4	100.0	-	-	-	-	-	-	-	-	-	-	-	-
	Re-Exports	50	50	100.0	-	-	-	-	-	-	-	-	-	-	-	-
	Total SIC 318															
	Domestic Exports	927369	675303	72.8	43076	4.6	23529	2.5	19530	2.1	21857	2.4	17159	1.9	126915	13.7
	Re-Exports	259986	239747	92.2	844	0.3	3695	1.4	3788	1.4	1460	0.6	2024	0.8	8428	3.3
	Total Exports	1187355	915055	77.1	43920	3.7	27224	2.3	23318	2.0	23317	2.0	19183	1.6	135343	11.3

Source: Statistics Canada Cat. #65-004

TABLE 38 - 1982 DOMESTIC EXPORTS AND RE-EXPORTS OF INSTRUMENTS (SIC 3911)

Class No.	Commodity	Total	Country of Destination													
			U.S.A.		United Kingdom		Mexico		Japan		Netherlands		West Germany		Others	
			'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%	'000\$	%
703-89	Meas. & control instrs. nes															
	Domestic Exports	73902	41286	55.9	4774	6.5	2318	3.1	3010	4.1	1103	1.5	1487	2.0	19924	26.9
	Re-Exports	15251	13788	90.4	180	1.2	8	-	21	0.1	24	0.2	237	1.6	993	6.5
702-90	Electricity meas. instrs. & pts.															
	Domestic Exports	21626	14067	65.0	760	3.5	769	3.6	187	0.9	108	0.5	330	1.5	5405	25.0
	Re-Exports	10695	9822	91.8	173	1.6	8	0.1	123	1.2	2	-	6	0.1	561	5.2
703-98	Pts. of meas. & control instrs.															
	Domestic Exports	21213	12494	58.9	4150	19.6	81	0.4	114	0.5	1505	7.1	159	0.8	2710	12.7
	Re-Exports	4855	4304	88.7	105	2.2	6	0.1	12	0.3	5	0.1	55	1.1	368	7.5
709-94	Geophysical mineral prospect. equip. & pts.															
	Domestic Exports	18469	10726	58.1	479	2.6	490	2.7	123	0.7	190	1.0	224	1.2	6237	33.7
	Re-Exports	5656	3811	67.4	901	15.9	3	0.1	48	0.8	40	0.7	-	-	853	15.1
703-28	Thermostats															
	Domestic Exports	3811	2582	67.8	73	1.9	58	1.5	4	0.1	193	5.0	16	0.4	885	23.3
	Re-Exports	607	600	98.8	-	-	-	-	-	-	-	-	7	1.2	-	-
703-71	Thermal meas. & control instrs. nes															
	Domestic Exports	1403	1001	71.3	35	2.5	-	-	-	-	158	11.3	55	3.9	154	11.0
	Re-Exports	171	165	96.5	-	-	-	-	-	-	-	-	5	2.9	1	0.6
	TOTAL SIC 3911															
	Domestic Exports	140424	82156	58.5	10271	7.3	3716	2.6	3438	2.5	3257	2.3	2271	1.6	35315	25.2
	Re-Exports	37235	32490	87.3	1359	3.6	25	0.1	204	0.5	71	0.2	310	0.8	2775	7.5
	Total Exports	177659	114646	64.5	11630	6.5	3741	2.1	3642	2.0	3328	1.9	2581	1.5	38090	21.5

Source: Statistics Canada Cat. #65-004

UTILITIES AND SERVICE INDUSTRIES

TABLE 39 - THE TELEPHONE AND TELEGRAPH INDUSTRY - 1981

Companies	Telephones	Cost of	Calls	Operating	Full-Time
	Total ('000)	Plant \$ millions	Total \$ millions	Revenues \$ millions	Employees - units -
1. Nfld Tel. Co. Ltd.	207	318	1321	98.3	1392
2. The Island Tel. Co. Ltd.	70	80	211	24.5	319
3. Maritime T&T Co. Ltd.	519	664	1649	207.3	3639
4. N.B. Tel. Co. Ltd.	402	530	715	169.6	2803
5. Bell Canada	9609	11757	13948	3845.1	52432
6. Quebec Tel.	282	420	478	130.9	2032
7. Télébec Limitée	170	220	250	73.8	999
8. Northern Telephone Ltd.	76	58	185	18.6	310
9. Thunder Bay Tel. Systems	99	54	104	14.2	274
10. Man. Tel. Systems	731	846	1441	240.7	4206
11. Sask. Tele- communications	652	939	814	267.6	4645
12. Alta. Govt. Tel.	1376	2657	2400	734.5	12363
13. Edmonton Telephones	498	458	1041	122.2	1705
14. B.C. Tel. Co.	1975	2887	3400	912.1	14423
Total for:					
1981	16666	21887	27957	6859.3	101542
1980	16258	19589	26209	5800.9	99423
1979	15538	17585	24423	5102.4	95943
1978	14874	15877	23393	4424.4	92293
1977	14199	14388	22563	3811.8	87048
1976	13167	12784	21528	3323.8	82841
1975	13165	11426	21194	3054.7	82866

Source: S/C Cat. 56-202 - Telephone statistics.

Summary Statistics of Telegraph Industry.

Year	No. of Offices	Cost of Property & Equip.	Telegrams & Cablegrams	Operating Revenues	Employees - units -
		- million dollars -			
1972	821	644.2	11.5	163.2	7323
1973	-	789.3	10.9	190.7	7047
1974	554	855.9	11.0	230.1	7163
1975	443	939.6	12.1	259.1	7162
1976	402	877.7	12.0	278.3	6973
1977	347	1029.7	13.6	302.1	6863
1978	195	1161.3	13.4	348.3	7150
1979	111	1298.7	12.1	411.8	7247
1980	N/A	N/A	N/A	N/A	N/A
1981	N/A	N/A	N/A	N/A	N/A

*Excludes commission operators.

Source: S/C Cat. 56-201.

Capital and Repair Expenditures by Telephone & Telegraph Utilities.

Year	Construction	Machinery & Equipment	Total
1976	713.9	1782.2	2496.1
1977	779.5	1880.5	2660.0
1978	858.5	1971.1	2829.6
1979	931.9	2147.0	3078.9
1980	1146.5	2485.1	3631.6
1981(P)	1198.2	2885.0	4083.2
1982(I)	1383.2	3436.8	4820.0

(P) - Preliminary

(I) - Intentions

Source: S/C Cat. 61-205 - Private & Public Investment in Canada.

TABLE 40 - ELECTRIC POWER GENERATING INDUSTRY - 1980

Province	Installed Capacity		Fixed Assets	Generation	Revenues	Employees
	MW	% Hydro	\$M	GWh	\$M	- units -
Canada	81999	58.3	2729	367306	7355	66462
NFLD	7195	89.6	253	46374	150	1680
P.E.I.	118	-	48	127	37	234
N.S.	2029	17.7	-	6868	249	2160
N.B.	2795	32.2	5	9323	271	2056
Quebec	20531	93.0	42	97917	2058	20453
Ontario	25796	27.7	96	110284	2595	25153
Manitoba	4142	87.9	-	19468	306	3327
Saskatchewan	2340	24.7	1	9204	248	2004
Alberta	5807	12.4	2212	23451	642	4408
B.C.-C.B.	10525	83.5	61	43416	746	4672
Yukon	94	61.8	9	381	18	110
N.W.T.-T.N.O.	180	26.3	3	494	36	205

Electric energy consumption in Canada - 1970-79

Year	Total Consumption GWh	Percentage Consumption			Losses & Unaccounted
		Commercial	Domestic & Farm	Industrial	
1970	202337	19.6	21.5	50.1	8.1
1971	212882	20.4	21.9	49.0	8.4
1972	231557	22.4	21.7	46.9	8.8
1973	249298	22.8	21.7	46.5	8.7
1974	267298	23.2	22.2	45.3	8.9
1975	265955	24.5	24.1	41.0	9.8
1976	284829	25.1	24.9	39.6	9.9
1977	299673	24.7	25.6	41.3	8.1
1978	316435	23.5	25.1	41.5	9.2
1979	323465	24.0	25.7	40.8	9.0

Source: S/Cda. Cat. 57-202 (1980) - Electric Power Statistics. Vol: II

Capital & Repair Expenditures by Electric Power Utilities - 1973-1980

Year	Construction	Machinery & Equipment	Total
1974	1839.5	1190.7	3030.2
1975	2824.0	1424.5	4298.5
1976	2832.2	1789.9	4622.1
1977	3352.1	1968.1	5320.2
1978	4111.1	2458.1	6569.2
1979	4374.1	2570.7	6944.8
1980	4279.9	2504.1	6784.0
1981(P)	5021.3	3159.5	8180.8
1982(I)	5912.3	3579.9	9492.2

Source: Private & Public Investment in Canada. (Cat # 61-205)

(P) - Preliminary

(I) - Intentions

1981

TABLE 41 - COMPUTER SERVICE INDUSTRY - S.I.C. 853

	Computer Service Suppliers	Hardware Suppliers	Total
Number of establishments	1,392	28	1,420
Employment	20,495	10,055	30,550
Revenue Type: (\$000)			
- Processing Services	547,285	x	547,285
- Input Preparation	48,304	x	48,304
- Software & Systems Services	291,055	67,037	358,092
- Other Computer Services	30,281	x	30,281
- *Consulting Services	70,123	-	70,123
- ADP Hardware Sales & Rentals	86,878	1,116,653	1,203,531
- Equipment Maintenance Services	13,246	160,464	173,710
- Unidentified & Other	15,071	45,773	60,844
<hr/>			
- Total Revenue	1,124,130	1,400,010	2,524,140
<hr/>			

X - included in unidentified and other.

Source: Statistics Canada - Cat. 63-222.

* Previously included in "Other Computer Services"

MISCELLANEOUS TABLES

TABLE 42 - INDUSTRY SELLING PRICE INDEXES (1971 = 100)

INDUSTRY SUB-SECTOR	SIC	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Small Appliances	331	100.5	101.5	111.4	124.3	130.8	134.9	139.7	144.3	154.0	167.5	183.0
Major Appliances	332	101.3	102.3	117.4	134.6	141.5	147.8	157.4	166.5	182.7	205.2	226.6
Lighting Fixtures	333	107.1	110.6	120.8	144.2	154.1	167.8	178.7	216.8	237.8	275.4	298.6
Elec. Ind. Equip.	336	101.9	103.8	125.2	149.2	148.5	153.4	164.0	182.3	211.7	232.0	255.8
Batteries	3391	102.2	106.6	128.6	150.7	163.3	179.6	196.8	231.8	254.9	267.1	277.9
Elec. wire and cable	338	98.9	109.8	137.6	140.8	143.1	149.0	156.3	197.0	234.7	239.7	251.0
Misc. elec. pdts.	3399	100.5	102.3	123.0	136.3	143.0	152.2	164.6	190.1	210.2	233.2	250.6
Radio and Television	334	99.3	99.2	103.6	107.7	112.3	114.2	115.7	119.6	122.3	128.5	128.6
Communications Components	335			*122.7	*132.0	*139.9	*150.4	162.6	166.7	171.3	180.1	186.4
Office Machines	318			* 96.6	* 96.7	* 98.5	*102.8	*105.0	*107.1	*111.4	n.a.	n.a.
Instruments	3911			*109.9	*117.5	*121.9	*130.2	*141.6	*157.3	*177.0	n.a.	n.a.

Source: Statistics Canada - Cat. 62-011

*Estimates by Industry, Trade and Commerce

TRADE COMMODITY CLASSIFICATIONS (1982)

GROUPED BY S.I.C.

ELECTRICAL INDUSTRYS.I.C. 331 - SMALL HOUSEHOLD APPLIANCES

	<u>IMPORTS</u>
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
	<u>EXPORTS</u>
Elec appls. for cooking & parts nes	661-99
Elec. equip. appls. & parts nes	697-99

S.I.C. 332 - MAJOR HOUSEHOLD APPLIANCESIMPORTS

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

S.I.C. 333 - LIGHTING FIXTURES

	<u>IMPORTS</u>
Fluor. elec. light. fixtures	681-19
Incand. elec. light. fix. & lamps	681-43
Elec. light. fix. & parts nes.	681-99
	<u>EXPORTS</u>
Elec. light. fix. & port. lamps & pts.	681-99

NOTE: 860-99 - We use 50% of class for sewing machines

S.I.C. 336 - ELEC. IND. EQUIPMENT

	<u>IMPORTS</u>
Pole line hardware	495-16
Generators, alternating current	503-09
Turbo-gen. sets & parts	503-13
Self-contained gen. sets nes	503-15
Generators pts. & access nes	503-19
Fractional elec. induction motors	503-66
Elec. ind. motors, 1HP & over	503-67
Elec. motors, universal & other nes	503-69
Rotors & stators for elec. motors	503-75
Pts. & access. for elec. motors nes	503-79
Elec. welding apparatus & parts	523-45
Fluor. lamp ballasts transformers	683-26
Power trans., 500 KVA & over	683-77
Transformers nes	683-79
Transformer equipment & parts	683-95
Circuit breakers & parts	684-26
Switches & parts	684-39
Fuses, cutout elec., fuse plugs & pts.	684-49
Power capacitors & parts	684-81
Swichgear & protect. equip. & parts	684-99
Industrial control equip. & parts	688-59
Converter equipment & parts	688-79
Ammeters, voltmeters & ohmeters & parts	702-04
	<u>EXPORTS</u>
Gen. incl. self-contained gen. sets	503-17
Pts. & access. for gen. nes	503-19
Electric motors	503-69
Pts. & access. for elec. motors nes	503-79
Transformers & parts	683-99
Circuit breakers & parts	684-26
Switchgear & protect. equip. & pts.	684-99
Industrial control equip. & parts	688-59
Converter equipment & parts	688-79

S.I.C. 3391 - BATTERIESIMPORTS

Nickel cadmium & alkaline batteries	693-27
Wet cell storage batteries	693-29
Dry cell flashlight batteries	693-48
Dry cell hearing aid batteries	693-52
Batteries n.e.s.	693-59
Pts & supplies for batteries nes	693-95

EXPORTS

Wet cell storage batteries	693-29
Batteries nes	693-89
Pts & supplies for batteries nes	693-98

S.I.C. 338 - ELECTRIC WIRE & CABLEIMPORTS

Alum. wire & cable not insulated	451-47
Copper wire & cable not insulated	452-18
Copper Alloy wire & cable not insulated	452-88
Insulated magnet wire	469-71
Telephone cable	469-73
Telephone, radio & T.V. wires	469-74
Insulated wire & cable nes	469-75

EXPORTS

Copper wire & cable not insulated	452-18
Copper alloy wire & cable not insulated	452-88
Insulated wire & cable	469-75

S.I.C. 3399 - MISC. ELECTRICAL PRODS.

	<u>IMPORTS</u>
Lighting & welding carbons	477-14
Battery carbons	477-16
Graphite & carbon brush stock	477-20
Graphite electrodes	477-22
Carbons or carbon electrodes nes	477-24
Graphite & carbon basic prods. nes	477-32
Conduit for elec. wiring	495-42
Conduit cable fittings	495-44
Outlet & switch boxes, electric	495-65
Non-current-carry wiring mat. nes	495-99
Xmas tree lighting sets	681-47
Incandescent lamps. large	682-02
Fluorescent lamps, bulbs & tubes	682-12
Mercury vapour lamps, bulbs & tubes	682-22
Vapour lamps nes	682-32
Sealed beam lamps	682-42
Xmas tree & coloured miniature lamps	682-52
Automotive lamps (bulbs) nes	682-55
Miniature lamps nes	682-62
Parts for electric lamps nes	682-90
Lightning arrestors & parts	684-23
Wiring devices & parts	688-69
X-ray & related equip. & parts	709-09
Projector lamps/bulbs/photographic	919-05
Photoflash lamps, bulbs	919-08
Photographic lamps, bulbs nes	919-10
	<u>EXPORTS</u>
Carbons & carbon electrodes	477-99
Non-current-carry. wiring mtl. nes	495-99
Electric lamps, bulbs, tubes & parts	682-99
Wiring devices & parts	688-69
X-ray & related equip. parts	709-09

TRADE COMMODITY CLASSIFICATIONS (1982)

GROUPED BY S.I.C.

ELECTRONICS INDUSTRYS.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 EQUIPMENTIMPORTS

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 COMPONENTSIMPORTS

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 COMPONENTSEXPORTS

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 MACHINESIMPORTS

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

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
Photocopy & similar machs. & pts.	919-47
Microfilm equip. & parts	919-48
Blue & white print proc. equip. & pts.	919-49

	<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

