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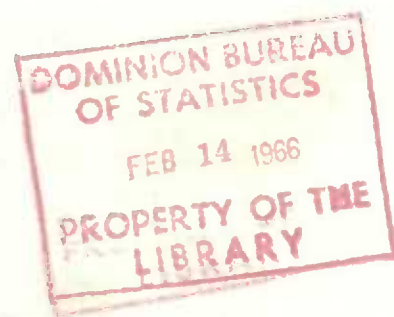
ANNUAL



MANUFACTURERS OF HOUSEHOLD RADIO AND TELEVISION RECEIVERS

1963

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MANUFACTURERS OF HOUSEHOLD RADIO AND TELEVISION RECEIVERS

1963

Data presented in this report under the heading of Manufacturers of Household Radio and Television Receivers reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of industry statistics—see items "Standard Industrial Classification" and "Establishment" in the Explanatory Notes section of this report. For statistical purposes the industry titled Manufacturers of Household Radio and Television Receivers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing radio and television receiving sets. The industry also includes establishments primarily engaged in manufacturing record playing, tape playing and recording equipment and parts.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- p preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1 A. Principal Statistics classified by Province, 1962 and 1963

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	23	3,588	7,449	12,321	484	71,834	119,432	45,262	x	x	7,055	30,917	53,232
1962													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	...											
New Brunswick	-	1,287	2,819	5,187	93	27,069	43,735	18,888	x	x	2,444	13,351	23,269
Quebec	10												
Ontario	10												
Manitoba .....	...											
Saskatchewan	-	2,993	6,245	10,461	392	59,385	97,650	41,500	-	-	5,037	21,195	50,053
Alberta	-												
British Columbia	1												
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	21	4,280	9,064	15,649	485	86,454	141,385	60,386	x	x	7,481	34,546	73,323
1963													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	...	...	...	...	...	...	...	...	...	...	16	86	...
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	10	x	x	x	x	x	x	x	x	x	x	x	x
Ontario	13	3,174	6,410	10,930	403	63,341	102,829	40,776	1	2	5,282	22,571	49,212
Manitoba .....	...	...	...	...	...	...	...	...	...	...	29	142	...
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia	1	x	x	x	x	x	x	x	x	x	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	24	4,604	9,431	16,345	502	94,437	151,427	59,812	2	9	7,951	36,005	71,635

TABLE 1 B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shlpments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999	—	—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999	5	58	84	113	9	687	1,240	602	x	x	84	226	601
200,000 " 499,999		84	159	176	2	1,309	2,068	632	—	—	107	309	637
500,000 " 999,999		3	245	461	614	33	3,893	6,697	2,736	—	—	354	1,095	2,728
1,000,000 " 4,999,999	3	245	461	614	33	3,893	6,697	2,736	—	—	354	1,095	2,728
5,000,000 and over	10	3,893	8,360	14,746	441	80,565	131,380	56,416	—	—	6,671	31,525	69,356
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	265	1,391	...
Totals	21	4,280	9,064	15,649	485	86,454	141,385	60,386	x	x	7,481	34,546	73,323
1963													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	4	17	34	54	2	133	272	148	1	2	26	77	152
50,000 " 99,999		74	156	191	15	1,803	2,553	866	1	7	90	296	865
100,000 " 199,999		320	644	916	38	5,859	9,227	3,426	—	—	429	1,522	3,415
200,000 " 499,999	6	74	156	191	15	1,803	2,553	866	1	7	90	296	865
500,000 " 999,999	4	320	644	916	38	5,859	9,227	3,426	—	—	429	1,522	3,415
1,000,000 " 4,999,999	10	4,193	8,598	15,184	448	86,642	139,375	55,371	—	—	7,126	32,579	67,204
5,000,000 and over	10	4,193	8,598	15,184	448	86,642	139,375	55,371	—	—	7,126	32,579	67,204
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	280	1,529	...
Totals	24	4,604	9,431	16,345	502	94,437	151,427	59,812	2	9	7,951	36,005	71,635

TABLE 1 C. Principal Statistics classified by Size Groups based on Manufacturing Value Added, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999	6	80	119	136	9	1,163	1,778	662	x	x	108	258	862
100,000 " 199,999		285	542	783	7	7,478	9,448	2,210	—	—	368	1,218	2,357
200,000 " 499,999		506	1,028	1,658	59	12,541	21,835	9,432	—	—	994	4,183	10,448
500,000 " 999,999	4	506	1,028	1,658	59	12,541	21,835	9,432	—	—	994	4,183	10,448
1,000,000 " 4,999,999	6	3,409	7,376	13,072	410	65,273	108,328	48,082	—	—	5,746	27,497	59,855
5,000,000 and over	6	3,409	7,376	13,072	410	65,273	108,328	48,082	—	—	5,746	27,497	59,855
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	265	1,391	...
Totals	21	4,280	9,064	15,649	485	86,454	141,385	60,386	x	x	7,481	34,546	73,323
1963													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999	5	58	124	157	14	1,403	1,917	560	1	7	70	251	559
100,000 " 199,999		164	345	423	10	3,533	5,039	1,560	—	—	191	624	1,560
200,000 " 499,999		1,286	2,624	4,438	107	42,965	61,851	19,149	—	—	2,059	8,595	20,643
500,000 " 999,999	7	1,286	2,624	4,438	107	42,965	61,851	19,149	—	—	2,059	8,595	20,643
1,000,000 " 4,999,999	4	3,079	6,305	11,274	368	46,404	82,348	38,394	—	—	5,325	24,927	48,738
5,000,000 and over	4	3,079	6,305	11,274	368	46,404	82,348	38,394	—	—	5,325	24,927	48,738
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	280	1,529	...
Totals	24	4,604	9,431	16,345	502	94,437	151,427	59,812	2	9	7,951	36,005	71,635

TABLE 1 D. Principal Statistics classified by Size Groups based on Total Value Added, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 "	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 "	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 "	6	80	119	136	9	1,163	1,776	662	x	x	108	258	662
200,000 "	4	174	318	335	7	2,633	4,135	1,280	-	-	218	543	1,285
500,000 "	-	-	-	-	-	-	-	-	-	-	-	-	-
1,000,000 " 4,999,999	5	617	1,252	2,105	59	17,385	27,148	10,361	-	-	1,144	4,858	11,520
5,000,000 and over	6	3,409	7,376	13,072	410	65,273	108,326	48,082	-	-	5,746	27,497	59,855
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	265	1,391	...
Totals	21	4,280	9,064	15,649	485	86,454	141,385	60,386	x	x	7,481	34,546	73,323
1963													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999	4	17	34	54	2	133	272	148	1	2	26	77	152
25,000 "	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 "	5	58	124	157	14	1,403	1,917	580	1	7	70	251	559
100,000 "	-	-	-	-	-	-	-	-	-	-	-	-	-
200,000 "	4	164	345	423	10	3,533	5,039	1,560	-	-	191	624	1,560
500,000 "	-	-	-	-	-	-	-	-	-	-	-	-	-
1,000,000 " 4,999,999	7	1,286	2,624	4,438	107	42,965	61,851	19,149	-	-	2,059	8,595	20,642
5,000,000 and over	4	3,079	6,305	11,274	368	46,404	82,348	38,394	-	-	5,325	24,927	48,723
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	280	1,529	...
Totals	24	4,604	9,431	16,345	502	94,437	151,427	59,812	2	9	7,951	36,005	71,635

TABLE 1 E. Principal Statistics classified by Size Groups based on Total Employed, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Under 5 employed	—	—	—	—	—	—	—	—	—	—	—	—	—
5 - 14 employed	3	24	40	50	4	342	614	305	x	x	30	81	304
15 - 49 "	5	101	184	181	7	2,284	3,280	1,010	—	—	127	293	1,009
50 - 99 "	5	439	836	1,318	22	13,644	18,799	5,733	—	—	643	2,342	5,996
100 - 199 "		1,150	2,531	4,135	120	34,403	55,837	24,079	—	—	1,829	7,697	26,673
200 - 499 "		2,566	5,474	9,965	332	35,780	62,855	29,260	—	—	4,587	22,742	39,340
500 employed and over	5								—	—			
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	265	1,391	...
Totals	21	4,280	9,064	15,649	485	86,454	141,385	60,386	x	x	7,481	34,546	73,323
1963													
Under 5 employed	7	35	70	118	15	473	972	503	2	9	52	215	506
5 - 14 employed		80	185	202	4	2,458	3,169	831	—	—	90	261	829
15 - 49 "		398	783	1,327	15	11,361	15,390	4,019	—	—	502	1,985	4,048
50 - 99 "	5	1,012	2,089	3,424	101	33,742	49,547	16,065	—	—	1,702	7,087	17,529
100 - 199 "		3,079	6,305	11,274	368	46,404	82,348	38,394	—	—	5,325	24,927	48,723
200 - 499 "													
500 employed and over	4								—	—			
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	280	1,529	...
Totals	24	4,604	9,431	16,345	502	94,437	151,427	59,812	2	9	7,951	36,005	71,635

TABLE 1F. Principal Statistics classified by Type of Organization, 1962 and 1963

Type of organization	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1962													
Individual ownerships	1	4,280	9,064	15,649	485	86,454	141,385	60,386	x	x	7,216	33,155	73,323
Partnerships	-												
Incorporated companies	20												
Cooperatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	265	1,391	...
Totals	21	4,280	9,064	15,649	485	86,454	141,385	60,386	x	x	7,481	34,546	73,323
1963													
Individual ownerships	2	4,604	9,431	16,345	502	94,437	151,427	59,812	2	9	7,671	34,475	71,635
Partnerships	-												
Incorporated companies	22												
Cooperatives	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	280	1,529	...
Totals	24	4,604	9,431	16,345	502	94,437	151,427	59,812	2	9	7,951	36,005	71,635

TABLE 2. Industry Output, Input and Value Added, 1962 and 1963

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1962	1963	1962	1963	1962	1963
\$'000						
Output						
1. Shipments and other revenue	141,385	151,427	36,421	34,823	177,806	186,250
Inventories - Goods of own manufacture:						
Add closing - Goods in process	10,482	11,770	...	...	10,482	11,770
Finished goods	22,927	25,359	...	...	22,927	25,359
Less opening - Goods in process	7,130	10,540	...	...	7,130	10,540
Finished goods	20,338	23,265	...	...	20,338	23,265
2. Net inventory change	5,941	3,324	...	...	5,941	3,324
3. Gross output (1 + 2)	147,326	154,751	36,421	34,823	183,747	189,574
Input						
4. Purchases of goods not of own manufacture .....	...	...	24,912	23,815	24,912	23,815
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	5,607	7,446	5,607	7,446
Less closing .....	...	...	7,556	8,931	7,556	8,931
5. Cost of goods sold (not of own manufacture) .....	...	...	22,963	22,330	22,963	22,330
6. Materials, supplies, components and semi-processed goods	86,454	94,437	521	669	86,975	95,106
7. Fuel and electricity	485	502	...	...	485	502
8. Gross input (5 + 6 + 7)	86,939	94,939	23,484	22,999	110,423	117,938
Census value added (3 - 8)	60,386	59,812	12,937	11,823	73,323	71,635

TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total employees		Production and related workers		Admin- istra- tive and office	Sales and distri- bution	Total salaries and wages
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
number										\$'000					
1962															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	943	344	-	-	739	175	223	20	1,905	539	5,187	-	6,073	2,091	13,351
New Brunswick															
Quebec	1,573	1,420	12 ^r	-	1,028	448 ^r	464 ^r	92 ^r	3,077	1,960	10,461	52 ^r	7,857	2,824 ^r	21,195
Ontario															
Manitoba															
Saskatchewan															
Alberta															
British Columbia															
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,516	1,764	12 ^r	-	1,767	623 ^r	687 ^r	112 ^r	4,982	2,499	15,649	52 ^r	13,930	4,915 ^r	34,546
1963															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	...	...	...	...	...	...	16	...	16	...	...	...	...	86	86
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Ontario	1,646	1,528	22	8	1,127	453	409	89	3,204	2,078	10,930	120	8,687	2,834	22,571
Manitoba .....	...	...	...	...	...	...	20	9	20	9	...	...	...	142	142
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	2,709	1,895	22	8	1,892	613	690	122	5,313	2,638	16,345	120	14,433	5,107	36,005

TABLE 3A. Production and Related Workers, - Manufacturing Activity, by Months, 1962 and 1963

Month	Establishments reporting monthly detail			
	1962		1963	
	Male	Female	Male	Female
	number			
January	2,383	1,748	2,587	1,752
February	2,378	1,682	2,637	1,802
March	2,339	1,650	2,605	1,722
April	2,366	1,621	2,522	1,604
May	2,450	1,700	2,554	1,662
June	2,502	1,765	2,661	1,861
July	2,525	1,704	2,655	1,902
August	2,653	1,823	2,763	2,084
September	2,683	1,984	2,916	2,146
October	2,694	1,949	2,956	2,164
November	2,621	1,800	2,876	2,068
December	2,573	1,726	2,771	1,959
Average for establishments reporting monthly detail (collected only for large establishments) ..	2,516	1,764	2,709	1,895
Average for small establishments (only annual averages collected) .....	...	...	...	...
Average for all establishments	2,516	1,764	2,709	1,895

TABLE 4. Industry Inventories, 1963

Province	Manufacturing				Non-manufacturing	Total inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia .....	...	...	...	...	...	...
New Brunswick	—	—	—	—	—	—
Quebec	x	x	x	x	x	x
Ontario	6,049	5,103	16,132	27,284	5,883	33,167
Manitoba .....	...	...	...	...	...	...
Saskatchewan	—	—	—	—	—	—
Alberta	—	—	—	—	—	—
British Columbia	x	x	x	x	x	x
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	7,001	10,540	23,265	40,807	7,447	48,254
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia .....	...	...	...	...	...	...
New Brunswick	—	—	—	—	—	—
Quebec	x	x	x	x	x	x
Ontario	6,306	6,260	16,666	29,232	6,469	35,701
Manitoba .....	...	...	...	...	...	...
Saskatchewan	—	—	—	—	—	—
Alberta	—	—	—	—	—	—
British Columbia	x	x	x	x	x	x
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	8,325	11,770	25,359	45,454	8,931	54,386

TABLE 5. Purchased Fuel and Electricity Used in Manufacturing Activity, 1962 and 1963

Description	1962		1963	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments which reported commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	2,128	2,200	25
(b) Imported	"	109	103	2
Sub-bituminous coal (from Alberta mines only)	"	-	-	-
Anthracite coal	"	-	-	-
Lignite coal	"	-	-	-
Coke	"	-	-	-
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	194,467	199,040	82
Fuel oil including kerosene or coal oil	"	794,102	733,865	75
Wood	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	-	-	-
(b) Other manufactured gas	M cu.ft.	-	-	-
(c) Natural gas	"	52,490	56,941	53
Other fuel .....	...	-	...	1
Electricity purchased	kwh.	22,712,252	26,367,011	265
Steam purchased .....	...	4	-	-
2. Estimate for small establishments:				
Fuel and electricity .....	...	8	-	-
3. All establishments:				
Total fuel and electricity used .....	...	485	...	502

TABLE 6. Materials and Supplies - Manufacturing Activity, 1962 and 1963

Description	1962		1963	
	Quantity	Cost \$' 000	Quantity	Cost \$'000
1. Materials used:				
Aluminum:				
Castings	1b. 18,300	29	33,500	82
Sheets and strip	" 62,000	43	48,000	29
Other .....	...	--	6,650	7
Brass and bronze:				
Wire rods	1b. 2,000	1	1,225	1
Sheets and strip	" 1,900	2	2,250	2
Other .....	...	1	...	2
Copper:				
Sheets and strip	1b. 10,100	9	10,000	9
Wire, enamelled	" 27,499	26	16,347	14
Wire, other insulated .....	...	197	...	235
Other .....	...	--	75	--
Iron and steel:				
Steel bars and rods	ton 7	3	7	3
Steel sheets and strip, plain	" 493	86	433	71
Alloy steel, all forms .....	...	--	15	7
Motors, electric	No. 17,088	62	136,166	555
Paints, stains, lacquers (for finishing only) .....	...	35	...	45
Resins, synthetic .....	...	--	...	1
Tubes, electronic:				
T.V. picture tubes	No. 226,471	8,239	422,248	8,709
Other tubes	" 3,876,264	3,360	5,512,521	4,251
All other materials and components used .....	...	72,830	...	78,342
2. Containers and other packaging materials and supplies used .....	...	668	...	920
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	618	...	850
4. Amount paid out to others for work done on materials owned by establishments .....	...	245	...	302
Totals .....	...	86,454	...	94,437

TABLE 7. Shipments of Goods of Own Manufacture, 1962 and 1963

Description	1962		1963	
	Quantity number	Value \$'000	Quantity number	Value \$'000
1. Products:				
Radio receiving set, domestic	418,231	9,041	498,933	11,486
Radio and phonograph combinations	116,191	22,897	128,020	25,268
Record players	231,367	6,407	230,822	6,248
Television receiving sets, domestic	427,167	70,023	455,272	69,198
Telecommunication equipment, civilian and defense .....	...	16,901	...	20,443
Miscellaneous electronic equipment including tubes .....	...	6,249	...	6,583
Miscellaneous appliances .....	...	1,735	...	2,043
All other products .....	...	10,111	...	10,819
2. Amount received in payment for work done on materials and products owned by others .....	...	63	...	34
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(1,029)	...	(695)
Net adjustment for establishments receiving progress payments .....	...	(1,013)	...	--
Total adjusted value of shipments and work done .....	...	141,385	...	151,427

TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

A. Record Players, 1954 - 63

Year	With amplifier		Without amplifier	
	Number	Value \$'000	Number	Value \$'000
1954	90,869	2,317	24,681	621
1955	89,551	3,859	34,653	471
1956	176,532	5,682	12,142	316
1957	272,421	7,837	11,070	186
1958	245,454	7,612	3,916	63
1959	208,352	6,773	5,592	93
1960	187,099	5,284	2,643	53
1961	182,321	4,858	1,498	30
1962	231,709	6,445	--	--
1963	190,235	5,280	--	--

TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries - Continued

B. Complete Radio Receiving Sets, 1954-63

Year	Number	Value	Year	Number	Value
		\$'000			\$'000
1954.....	487,620	16,509	1959.....	713,309	24,485
1955.....	621,957	19,176	1960.....	648,938	24,487
1956.....	740,656	23,877	1961.....	588,545	27,725
1957.....	732,827	25,642	1962.....	708,315	37,424
1958.....	745,318	25,510	1963.....	825,844	42,488

C. Complete Radio Receiving Sets, by Type, 1962 and 1963

Type	1962		1963	
	Number	Value	Number	Value
		\$'000		\$'000
Home sets	248,755	4,395	271,207	4,857
Portables	21,683	512	24,153	491
Automobile.....	321,093	9,438	402,464	11,873
Radio and phonograph combinations:				
Table and portable	10,638	1,359	2,862	243
Console	106,146	21,720	125,158	25,025
Totals.....	708,315	37,424	825,844	42,488

Note: Home sets include clock sets, standard, multi-band and battery standard. Portables include battery-electric and battery.

D. Television Sets, 1954-63

Year	Number	Value	Year	Number	Value
		\$'000			\$'000
1954.....	611,206	105,682	1959.....	402,348	64,524
1955.....	806,253	130,497	1960.....	342,488	53,726
1956.....	613,895	94,506	1961.....	345,815	57,381
1957.....	434,504	68,012	1962.....	427,167	70,023
1958.....	432,318	67,669	1963.....	455,272	69,198

E. Television Sets, by Type, 1962 and 1963

Type	1962		1963	
	Number	Value	Number	Value
		\$'000		\$'000
Portables:				
17" and under	4,436	536	43,733	4,028
19" and over	102,938	13,120	121,574	16,145
Table models:				
19" and under	9,787	1,141	6,893	910
21"	1,623	225	—	—
23" and over	38,627	5,582	27,832	3,857
Consoles:				
19" and under	1,968	282	—	—
21"	2,835	553	1,040	193
23" and over	230,434	38,128	219,013	33,583
Three way combinations.....	34,519	10,457	35,187	10,483
Totals	427,167	70,023	455,272	69,198

TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries - Concluded
F. Radio and Television Receiving Tubes, 1954-63 and Television Picture Tubes, 1959-1963

	Radio and television receiving tubes ¹		Television picture tubes (including rebuilds)	
	Number	Value	Number	Value
		\$'000		\$'000
1954	11,368,561	6,608	..	..
1955	15,054,395	8,990	..	..
1956	15,777,865	10,291	..	..
1957	16,067,839	11,271	..	..
1958	18,405,297	13,723	531,901	10,535
1959	15,603,998	10,916	589,685	11,744
1960	13,848,780	9,700	642,437	12,076
1961	13,624,910	9,690	532,561	10,496
1962	15,881,939	11,287	622,645	12,513
1963	14,132,185	10,076	657,466	12,375

¹ Prior to 1959 radio and television receiving tubes for military use were included in these totals. Subsequent years reflect entertainment type only.

G. Electronic Tubes, by Type, 1962 and 1963

Type	1962		1963	
	Number	Value	Number	Value
		\$'000		\$'000
Electronic receiving tubes - Entertainment type	15,881,939	11,287	14,132,185	10,076
Television picture tubes (including rebuilt tubes)	622,645	12,513	657,466	12,375
Other electronic tubes including industrial and military	538,500	3,079	308,818	2,141
Totals	17,043,084	26,879	15,098,469	24,592

List of Establishments classified to This Industry, 1963

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
Quebec:	
Arrow Electronic Corporation	305 Decarie Blvd., Montreal 9
Canadian Marconi Company	2442 Trenton Avenue, Montreal 16
Fleetwood Corporation	5785 Paré Street, Town of Mount Royal
Fonovox Sound Corporation	9285 Clark St., Montreal 11
Lifco Record Players	699 St-Maurice St., Montreal
Montreal Phono Co. Ltd.	52 Nazareth St., Montreal
Norel Electric Products	4602 St. Lawrence Blvd., Montreal
Phonorama Mfg. Ltd.	52 Nazareth St., Montreal
Symphonic Electric Corp.	2225 Leclaire St., Montreal
Teletone Canada Ltd.	8057 Durocher St., Montreal
Ontario:	
Automatic Radio of Canada Ltd. / Crystal Radio of Canada Ltd.	25 Bermondsey Road, Toronto 16
Canadian Admiral Corporation	Port Credit
Canadian General Electric Co. Ltd.	830 Lansdowne Avenue, Toronto 4
Canadian Westinghouse Co. Ltd.	Brantford
Claiflone Sound Corporation Ltd.	Rexdale
Corvette Industries Ltd.	20 Sterling Road, Toronto 3
Dominion Electrohome Industries Ltd.	809 Wellington St. N., Kitchener
Jensen Audio Industries Ltd.	53 Chauncey Ave., Toronto 18
Mellotone Hi-Fi Stereo	45 Ossington Ave., Toronto 3
Philco Corporation of Canada Ltd.	900 Don Mills Road, Don Mills
Philips Electronics Industries Ltd.	116 Vanderhoof Ave., Leaside (Toronto)
R.C.A. Victor Company Ltd.	Prescott
Sparton of Canada Ltd.	100 - 124 Elm Street, London
British Columbia:	
Chisholm Industries Limited	Port Moody

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 58 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 178 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 140 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures: (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the various 1963 reports reflect the complete implementation of these changes and enable comparisons to be made with the years 1961 and 1962. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour

force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

Head Offices and Auxiliary Units

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the

firm, when all establishments are in the same industry (3 or 4 digit). When establishments of such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

Employees

(a) Production and related workers — Manufacturing activity

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. Production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

(b) Production and related workers — Non-manufacturing activities

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.

(c) Administrative and office employees

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers,

etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

(d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

(e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

Working Owners or Partners

These are not now included in the statistics of employees and salaries and wages. There is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each Census return. Withdrawals of working owners defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

Salaries and Wages

Salaries and wages refer to gross earnings of employees **before** deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages, bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any

other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives, etc.), not to purchases unless the quantities are substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid down cost at the establishment including freight, duty, etc. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

Materials and Supplies

(a) Manufacturing activities

Figures represent quantities and laid down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. These statistics represent only commodity items or physical goods (cost of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

(b) Non-manufacturing activities

1. Purchases for re-sale as such

Figures represent cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

2. Other materials and supplies used

Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Amounts paid to outside contractors for construction and repair work are not included nor is the cost of purchased machinery and equipment. Also included is the cost of office supplies not chargeable to

fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

Shipments

(a) General

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. The unsold portion at year end of consignment shipments in Canada is treated as inventory and not as shipments but all shipments to foreign countries for which the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

(b) Shipments of goods of own manufacture

These figures represent shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost (book value) of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm, when such units are treated as separate establishments. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity are collected by means of the Commodity questionnaire referred to earlier. Such shipments together

with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

(c) Shipments of goods not of own manufacture

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

(d) Other revenue

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's own products, sale of used materials (excluding sale of used fixed assets) research and development work, etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

Inventories

(a) Manufacturing activities

Values represent the book values of manufacturing inventory owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained, the change in these accounts is treated as a net adjustment to shipments. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the

receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

(b) Non-manufacturing activities

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of materials and fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process).

(b) By non-manufacturing activities

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories of goods

purchased for re-sale) and the cost of other materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

(c) By Total activities

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "Value added" is sometimes referred to as net production. However, to arrive at the National Accounts concept of net production, or Gross Domestic Product at "Factor cost" it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected as part of the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, "Survey of Production".

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