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**ELECTRONICS INDUSTRY AND HOUSEHOLD ELECTRICAL APPLIANCES INDUSTRY
STATISTICAL REVIEW**

FOURTH QUARTER, 1986





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March 1987

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Industry Development Directorate
Information Technologies Industry Branch (GITI)
Regional Industrial Expansion
March 1987

Source of Statistics - Statistics Canada

TABLE 1
ELECTRONIC PRODUCTS
FOURTH QUARTER BY INDUSTRIAL SECTORS

	1986		1985	% Change	
	4th Qtr	3rd Qtr	4th Qtr	Qtr	Annual
----- \$ Millions -----					
COMMUNICATIONS EQUIPMENT & COMPONENTS					
ADM	1 313	1 230	1 053	6.7	24.7
Shipments	1 094	996	1 102	9.8	(0.7)
Trade Surplus (Deficit)	(219)	(234)	49	(6.4)	(546.9)
Exports	689	602	729	14.4	(5.5)
Imports	908	836	680	8.6	33.5
OFFICE & STORE MACHINERY					
ADM	1 182	1 052	1 041	12.4	13.5
Shipments	381	351	385	8.6	(1.0)
Trade Surplus (Deficit)	(801)	(701)	(656)	14.3	22.1
Exports	562	463	522	21.4	7.7
Imports	1 363	1 164	1 178	17.1	15.7
RADIO AND TELEVISION					
ADM	-	-	-	-	-
Shipments	n.a.	n.a.	n.a.	-	-
Trade Surplus (Deficit)	(383)	(461)	(384)	(16.9)	(0.3)
Exports	51	51	46	-	10.9
Imports	434	512	430	(15.2)	0.9
INSTRUMENTS					
ADM	-	-	-	-	-
Shipments	n.a.	n.a.	n.a.	-	-
Trade Surplus (Deficit)	(142)	(134)	(146)	6.0	(2.7)
Exports	60	54	53	11.1	13.2
Imports	202	188	199	7.5	1.5
TOTAL					
ADM	3 373	3 210	2 964	5.1	13.8
Shipments (estm.)	1 828	1 680	1 827	8.8	.05
Trade Surplus (Deficit)	(1 545)	(1 530)	(1 137)	1.0	35.9
Exports	1 362	1 170	1 350	16.4	0.9
Imports	2 907	2 700	2 487	7.7	16.9

All data classified by the 1980 S.I.C.

ADM - Apparent Domestic Market (Shipments plus Imports less Exports)

TABLE 2
ELECTRONIC PRODUCTS
FOURTH QUARTER BY INDUSTRIAL SECTORS

	<u>1986</u>		<u>1985</u>		<u>% Change</u>	
	<u>4th Qtr</u>	<u>3rd Qtr</u>	<u>4th Qtr</u>	<u>4th Qtr</u>	<u>Qtr</u>	<u>Annual</u>
	----- \$ 000 -----					
COMMUNICATIONS EQUIPMENT						
Exports	369 737	313 154	464 503	18.1	(20.4)	
Imports	342 775	313 036	274 381	9.5	24.9	
Trade Surplus (Deficit)	26 962	118	190 122		(85.8)	
ELECTRONIC COMPONENTS						
Exports	319 076	288 968	264 273	10.4	20.7	
Imports	565 285	523 101	405 338	8.1	39.5	
Trade Surplus (Deficit)	(246 209)	(234 133)	(141 065)	5.2	74.5	
TELEPHONE APPARATUS EQUIPMENT & PARTS						
Exports	216 140	184 611	221 424	17.1	(2.4)	
Imports	68 610	65 708	64 151	4.4	7.0	
Trade Surplus (Deficit)	147 530	118 903	157 273	24.1	(6.2)	
PRINTED CIRCUIT BOARDS						
Exports	17 767	13 887	16 996	27.9	4.5	
Imports	15 595	12 338	8 642	26.4	80.5	
Trade Surplus (Deficit)	2 172	1 549	8 354	40.2	(74.0)	
ELECTRONIC COMPUTERS & PARTS						
Exports	533 743	440 402	497 446	21.2	7.3	
Imports	1 174 150	979 617	1 011 946	19.9	16.0	
Trade Surplus (Deficit)	(640 407)	(539 215)	(514 500)	18.8	24.5	
INTEGRATED CIRCUITS & SEMI-CONDUCTORS & PARTS						
Exports	176 119	179 297	135 018	(1.8)	30.4	
Imports	360 112	323 360	233 600	11.4	54.2	
Trade Surplus (Deficit)	(183 993)	(144 063)	(98 582)	27.7	86.6	

TABLE 2 (Cont'd)
ELECTRONIC PRODUCTS
FOURTH QUARTER BY INDUSTRIAL SECTORS

	1986		1985		% Change	
	4th Qtr	3rd Qtr	4th Qtr	4th Qtr	Qtr	Annual
----- \$ 000 -----						
TAPE PLAYERS, RECORDERS						
(EXC. PTS.)						
Exports						
Imports	118 604	195 838	129 646	(39.4)	(8.5)	
Trade Surplus (Deficit)						
TELEVISION SETS						
Exports	19 398	15 302	20 739	26.8	(6.5)	
Imports	81 310	80 596	72 387	0.9	12.3	
Trade Surplus (Deficit)	(61 912)	(65 294)	(51 648)	5.2	19.9	
RADIOS						
Exports	1 069	1 368	1 367	(21.9)	(21.8)	
Imports	60 169	54 402	72 464	10.6	(17.0)	
Trade Surplus (Deficit)	(59 100)	(53 034)	(71 097)	11.4	(16.9)	
COMBINATION RADIO- PHONOGRAPH SETS						
Exports	22 917	30 347	19 170	(24.5)	19.6	
Imports	81 456	89 215	74 331	(8.7)	9.6	
Trade Surplus (Deficit)	(58 539)	(58 868)	(55 161)	(0.6)	6.1	
GEOPHYSICAL & MINERAL PROSPECTION EQUIPMENT & PARTS						
Exports	11 562	15 004	9 384	(22.9)	23.2	
Imports	25 272	22 234	58 691	13.7	(56.9)	
Trade Surplus (Deficit)	(13 710)	(7 230)	(49 307)	89.6	(72.2)	
COMMERCIAL COMMUNICATIONS EQUIPMENT N.E.S.						
Exports	115 149	97 318	200 619	18.3	(42.6)	
Imports	124 478	113 924	107 006	9.3	16.3	
Trade Surplus (Deficit)	(9 329)	(16 606)	93 613	(43.8)	(110.0)	
PHOTOCOPY AND SIMILAR MACHINES & PARTS						
Exports						
Imports	94 775	91 426	75 417	3.7	25.7	

TABLE 3
ELECTRONIC PRODUCTS
FULL YEAR BY INDUSTRIAL SECTORS

	<u>1986</u>	<u>1985</u>	<u>% Change</u>
	----\$ Millions ----		
COMMUNICATIONS EQUIPMENT & COMPONENTS			
ADM	5 025	4 267	17.8
Shipments	4 286	4 149	3.3
Trade Surplus (Deficit)	(739)	(118)	526.3
Exports	2 493	2 732	(8.8)
Imports	3 232	2 850	13.4
OFFICE & STORE MACHINES			
ADM	4 432	4 188	5.8
Shipments	1 470	1 540	(4.6)
Trade Surplus (Deficit)	(2 962)	(2 648)	11.9
Exports	1 967	1 953	0.7
Imports	4 929	4 601	7.1
RADIO AND TELEVISION			
ADM	-	-	-
Shipments	n.a.	n.a.	n.a.
Trade Surplus (Deficit)	(1 507)	(1 357)	11.1
Exports	200	206	(2.9)
Imports	1 707	1 563	9.2
INSTRUMENTS			
ADM	-	-	-
Shipments	n.a.	n.a.	n.a.
Trade Surplus (Deficit)	(583)	(605)	(3.6)
Exports	213	198	7.6
Imports	796	803	(0.9)
TOTAL			
ADM	12 899	11 655	10.7
Shipments (estimate)	7 108	6 927	2.6
Trade Surplus (Deficit)	(5 791)	(4 728)	22.5
Exports	4 873	5 089	(4.2)
Imports	10 664	9 817	8.6

TABLE 4
ELECTRONIC PRODUCTS
FULL YEAR BY COMMODITY EXPORTS AND IMPORTS

	<u>1986</u>	<u>1985</u>	<u>\$ Change</u>
	-----\$ 000	-----	
COMMUNICATIONS EQUIPMENT			
Exports	1 329 325	1 563 793	(15.0)
Imports	1 217 055	960 724	26.7
Trade Surplus (Deficit)	112 270	603 069	(81.2)
ELECTRONIC COMPONENTS			
Exports	1 163 345	1 168 362	(0.4)
Imports	2 014 472	1 889 021	6.6
Trade Surplus (Deficit)	(851 127)	(720 659)	18.1
TELEPHONE APPARATUS EQUIPMENT & PARTS			
Exports	725 185	841 359	(13.8)
Imports	264 706	243 754	8.6
Trade Surplus (Deficit)	460 479	597 605	(23.0)
PRINTED CIRCUIT BOARDS			
Exports	60 842	56 568	7.6
Imports	50 238	38 730	29.7
Trade Surplus (Deficit)	10 604	17 838	(40.6)
ELECTRONIC COMPUTERS & PARTS			
Exports	1 866 954	1 859 487	0.4
Imports	4 195 454	3 940 328	6.5
Trade Surplus (Deficit)	(2 328 500)	(2 080 841)	11.9
INTEGRATED CIRCUITS & SEMI-CONDUCTORS & PARTS			
Exports	693 037	742 095	(6.6)
Imports	1 229 608	1 165 567	5.5
Trade Surplus (Deficit)	(536 571)	(423 472)	26.7

TABLE 4 (CONT'D)
ELECTRONIC PRODUCTS

FULL YEAR BY COMMODITY EXPORTS AND IMPORTS

	<u>1986</u> -----\$ 000	<u>1985</u> -----	<u>% Change</u>
TAPE PLAYERS, RECORDERS (EXC. PTS.)			
Exports			
Imports	538 498	487 290	10.5
Trade Surplus (Deficit)			
TELEVISION SETS			
Exports	59 644	69 722	(14.5)
Imports	269 527	222 543	21.1
Trade Surplus (Deficit)	(209 883)	(152 821)	37.3
RADIOS			
Exports	5 272	6 901	(23.6)
Imports	234 596	256 231	(8.4)
Trade Surplus (Deficit)	(229 324)	(249 330)	(8.0)
COMBINATION RADIO-PHONOGRAPH SETS			
Exports	119 130	116 460	2.3
Imports	311 522	300 365	3.7
Trade Surplus (Deficit)	(192 392)	(183 905)	4.6
GEOPHYSICAL & MINERAL PROSPECTION EQUIPMENT & PARTS			
Exports	49 955	36 452	37.0
Imports	118 393	214 325	(44.8)
Trade Surplus (Deficit)	(68 438)	(177 873)	(61.5)
COMMERCIAL COMMUNICATIONS EQUIPMENT N.E.S.			
Exports	437 802	503 052	(13.0)
Imports	425 186	337 357	26.0
Trade Surplus (Deficit)	12 616	165 695	(92.4)
PHOTOCOPY AND SIMILAR MACHINES & PARTS			
Exports			
Imports	359 378	294 497	22.0

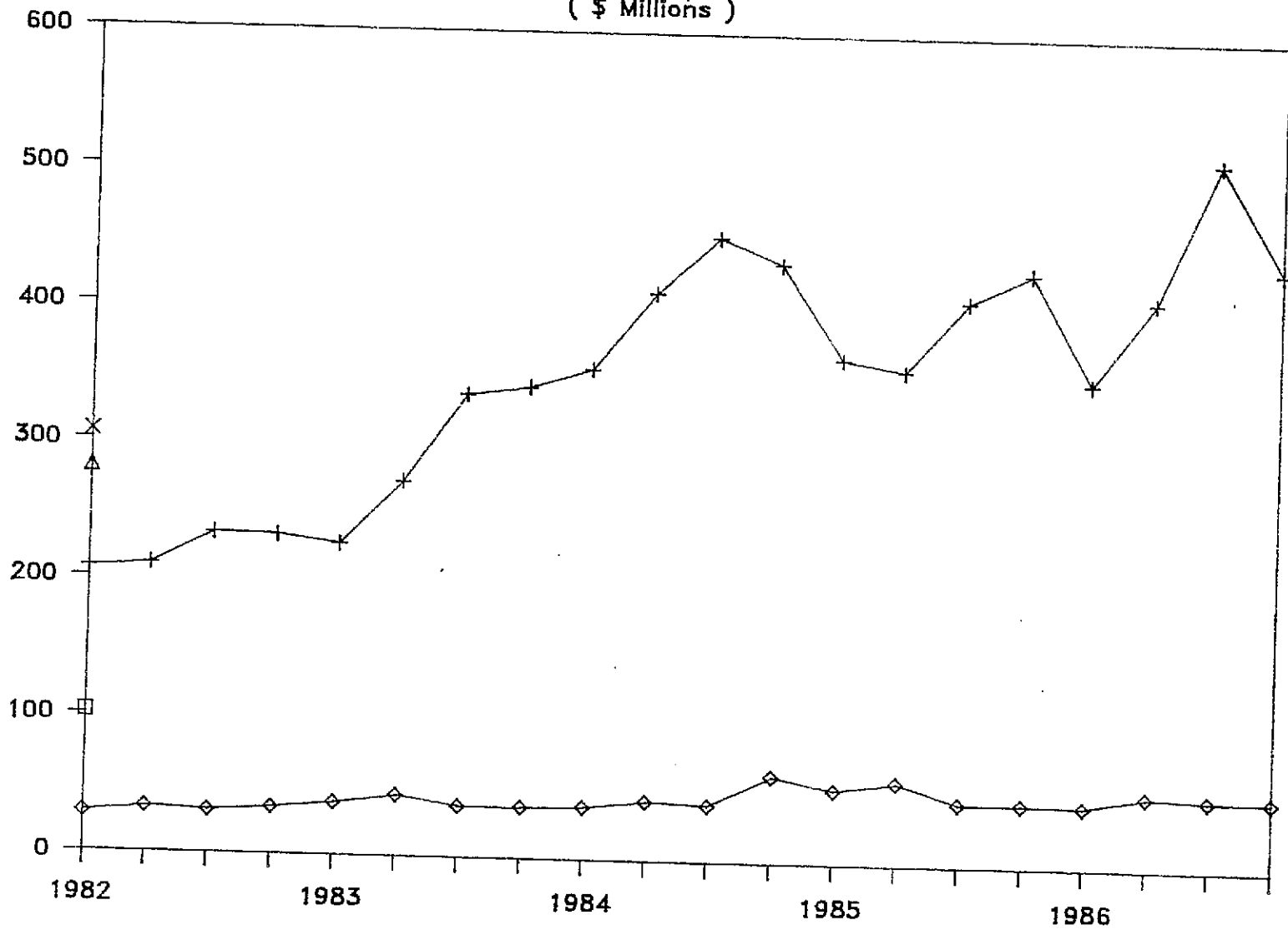
TABLE 5
ELECTRONIC PRODUCTS
NUMBER OF EMPLOYEES BY INDUSTRIAL SECTORS

<u>INDUSTRIAL SECTORS</u>	<u>As At December 1986</u>	<u>As At December 1985</u>
Radio and Television	4 438	4 036
Communications Equipment & Components	48 656	45 314
Office & Store Machinery	17 366	16 867
Instruments (estimated)	<u>16 086</u>	<u>15 625</u>
	<u>86 546</u>	<u>81 842</u>

SOURCE: Employment, Earnings and Hours - Cat. No. 72-002.
Statistics Canada.

HOUSEHOLD RADIOS AND TELEVISIONS

(\$ Millions)

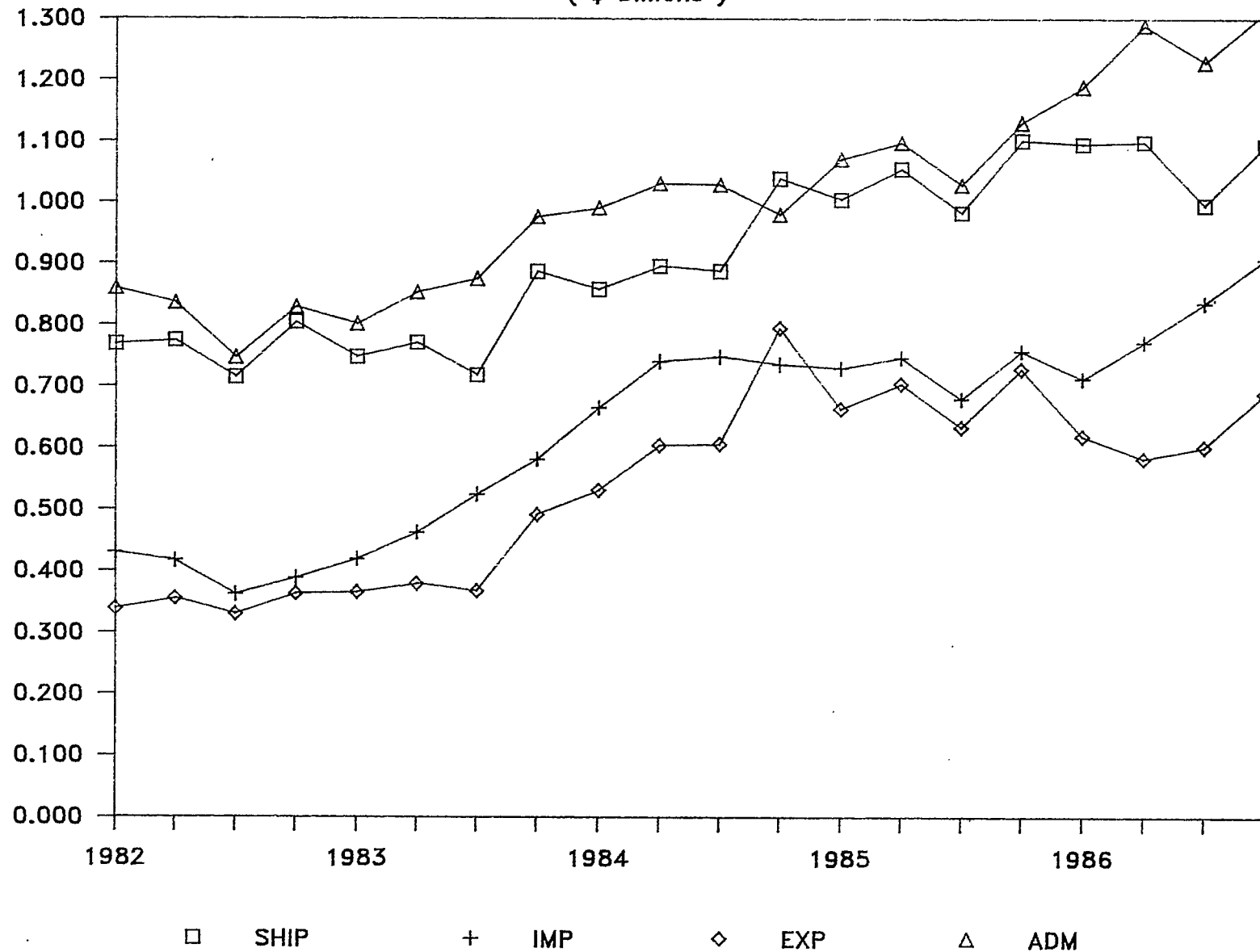


+ IMP

◇ EXP

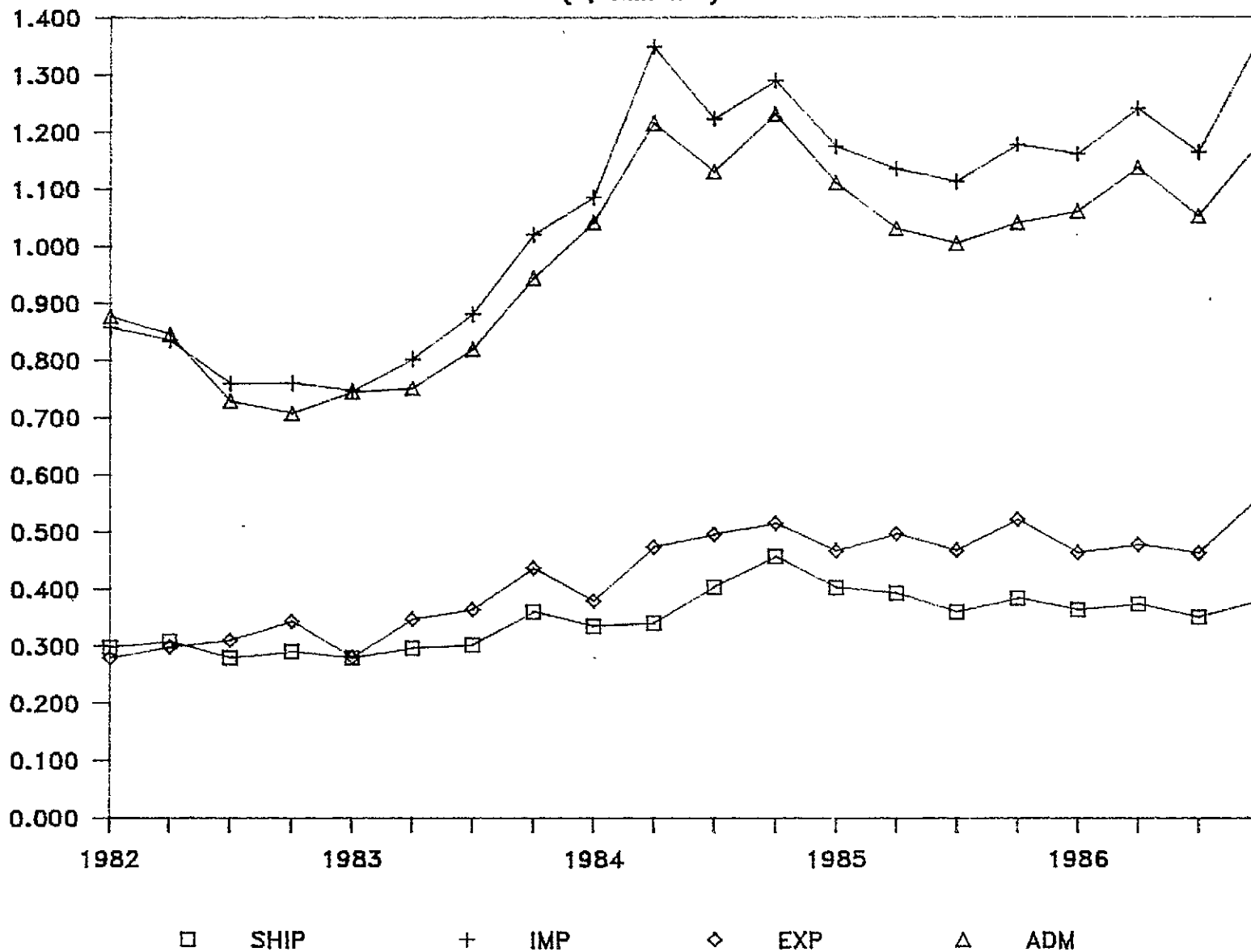
COMMUNICATIONS EQUIP. AND COMPONENTS

(\$ Billions)



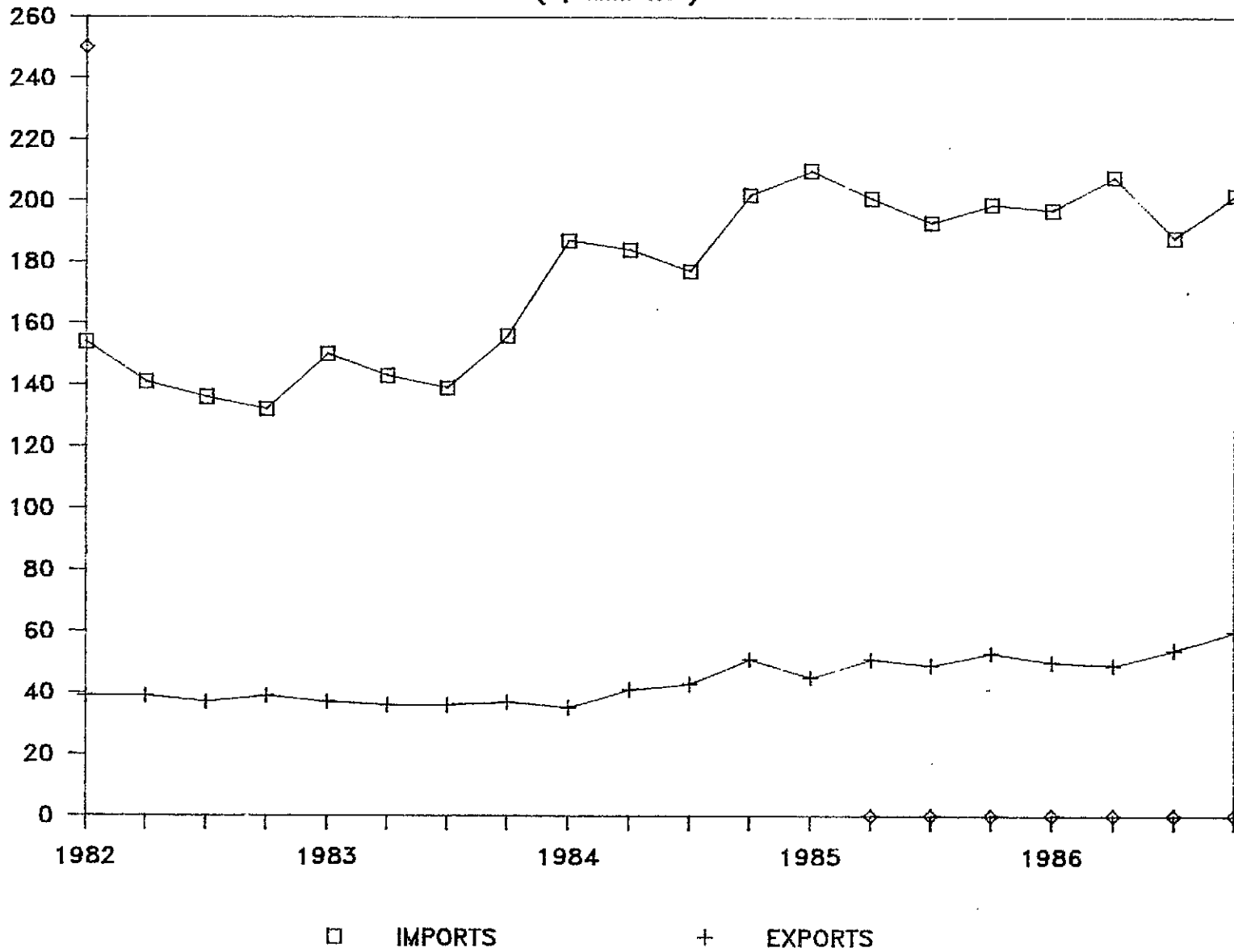
OFFICE & STORE MACHINERY

(\$ Billions)



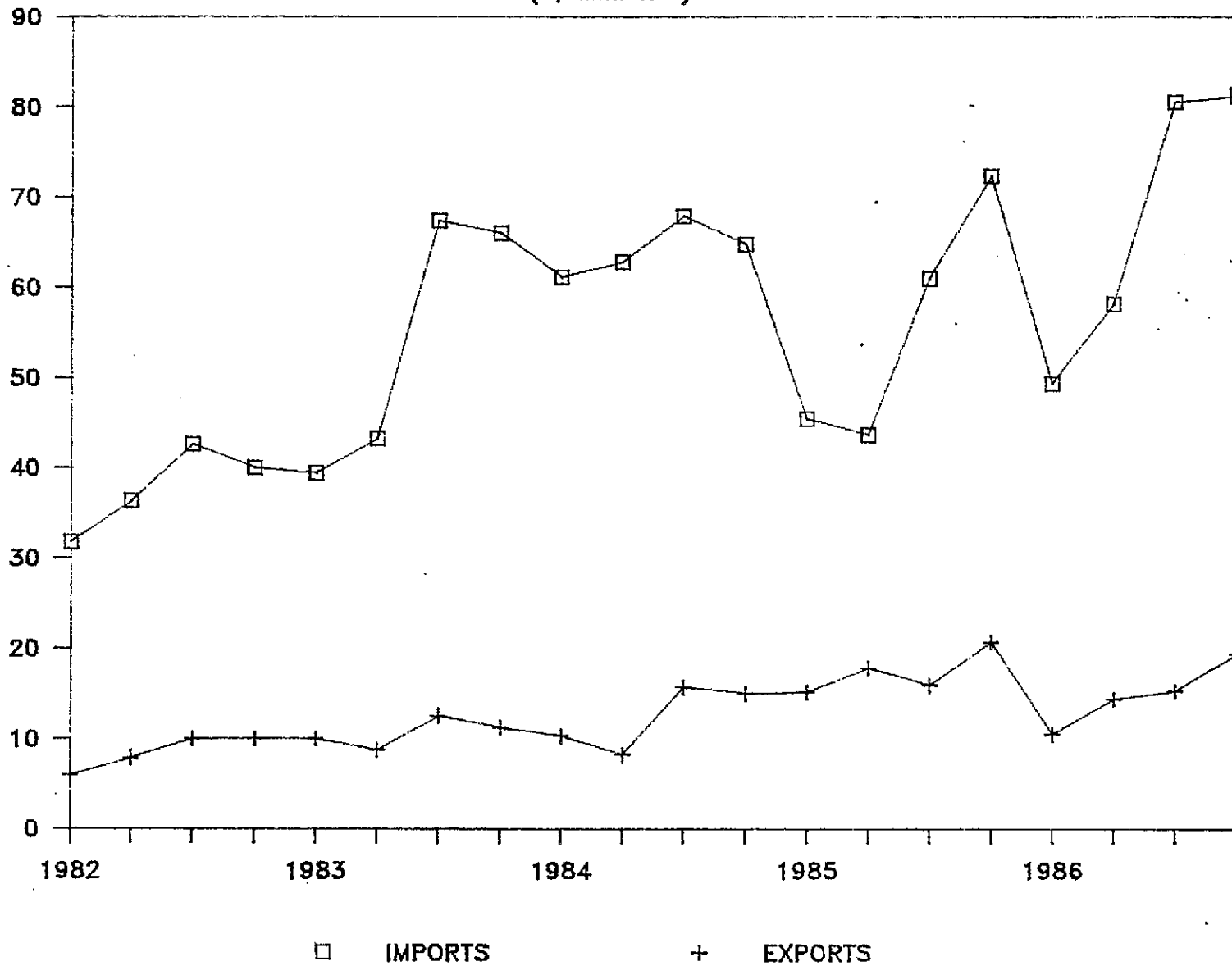
INSTRUMENTATIONS

(\$ Millions)



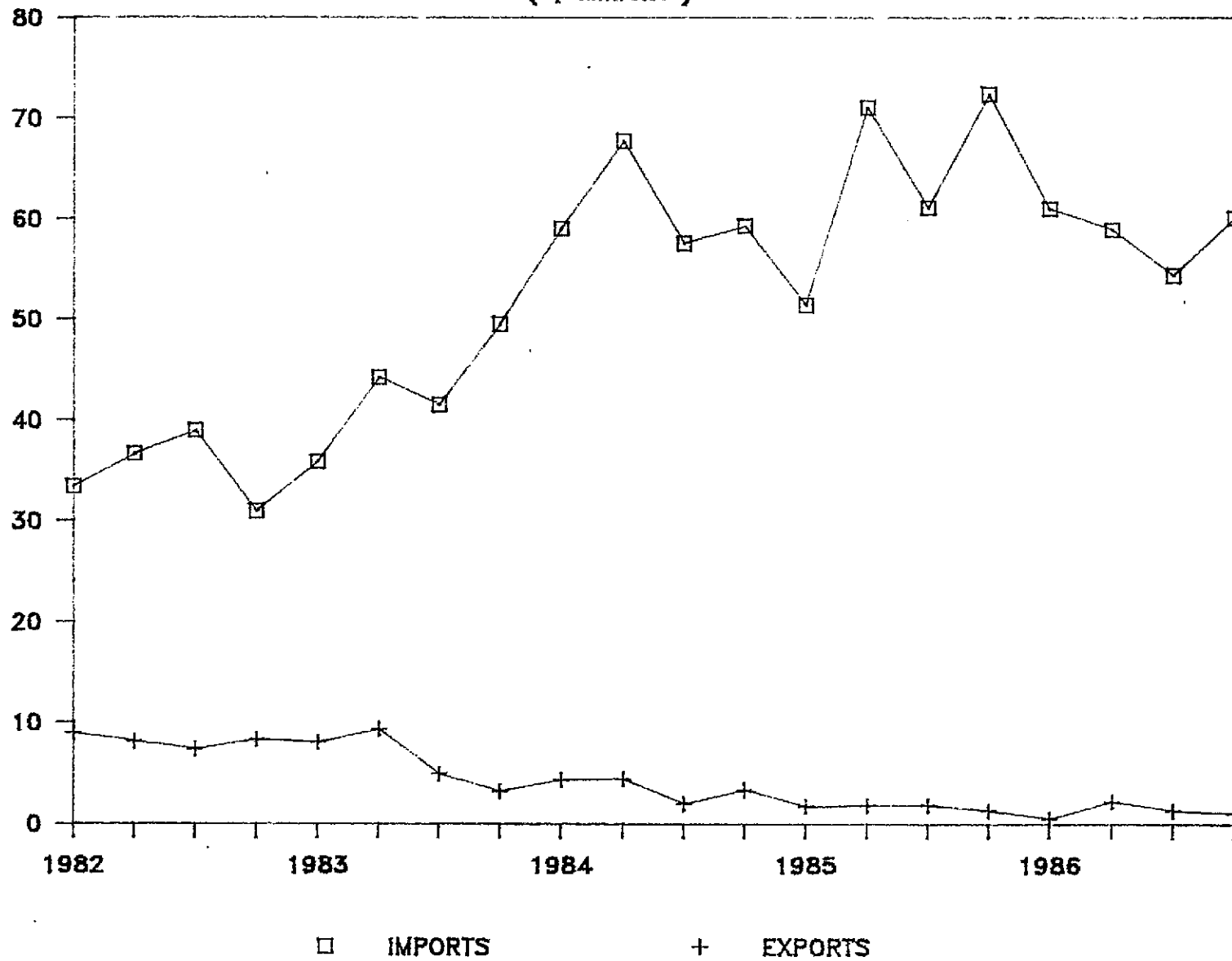
TELEVISION SETS

(\$ Millions)



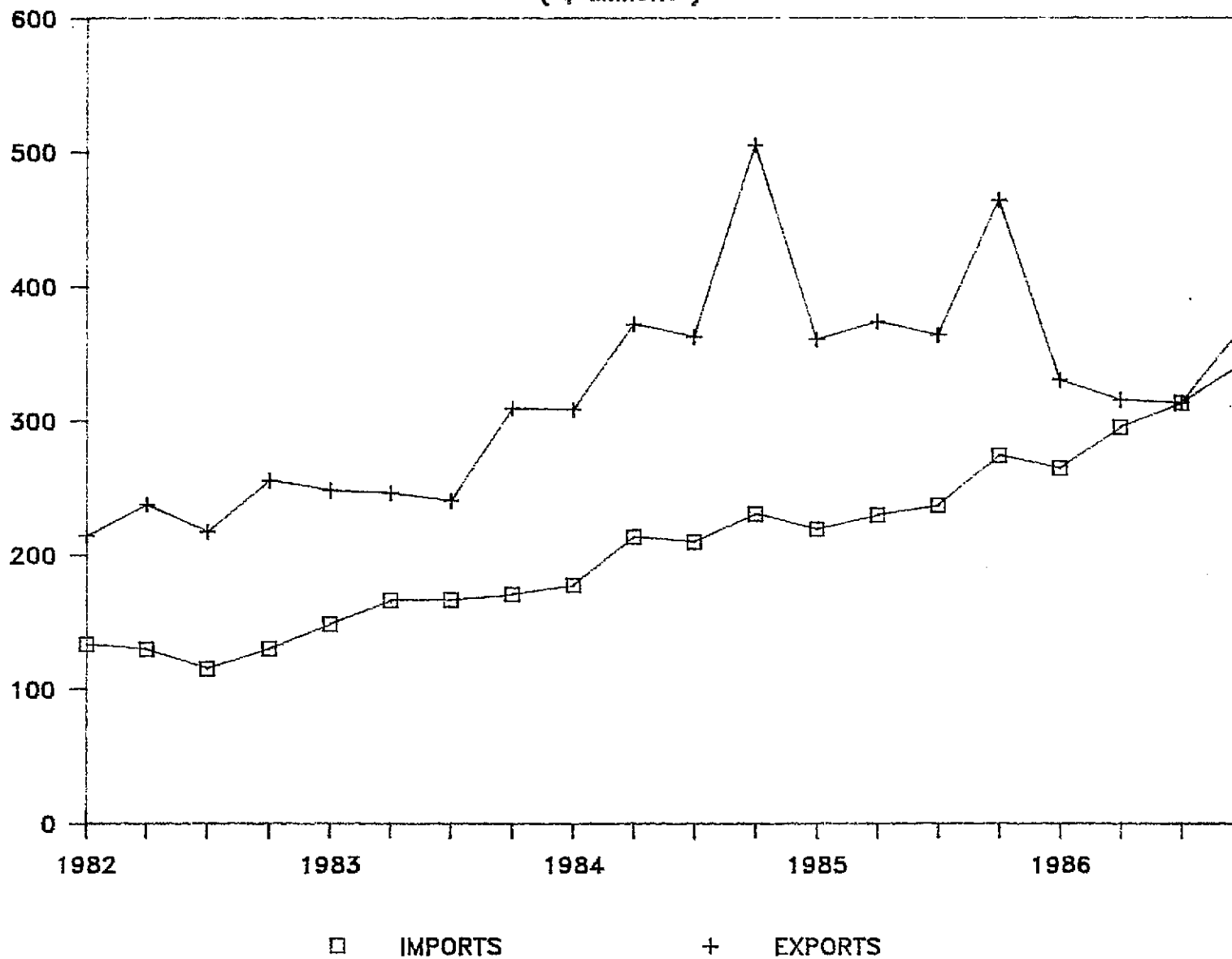
RADIOS

(\$ Millions)



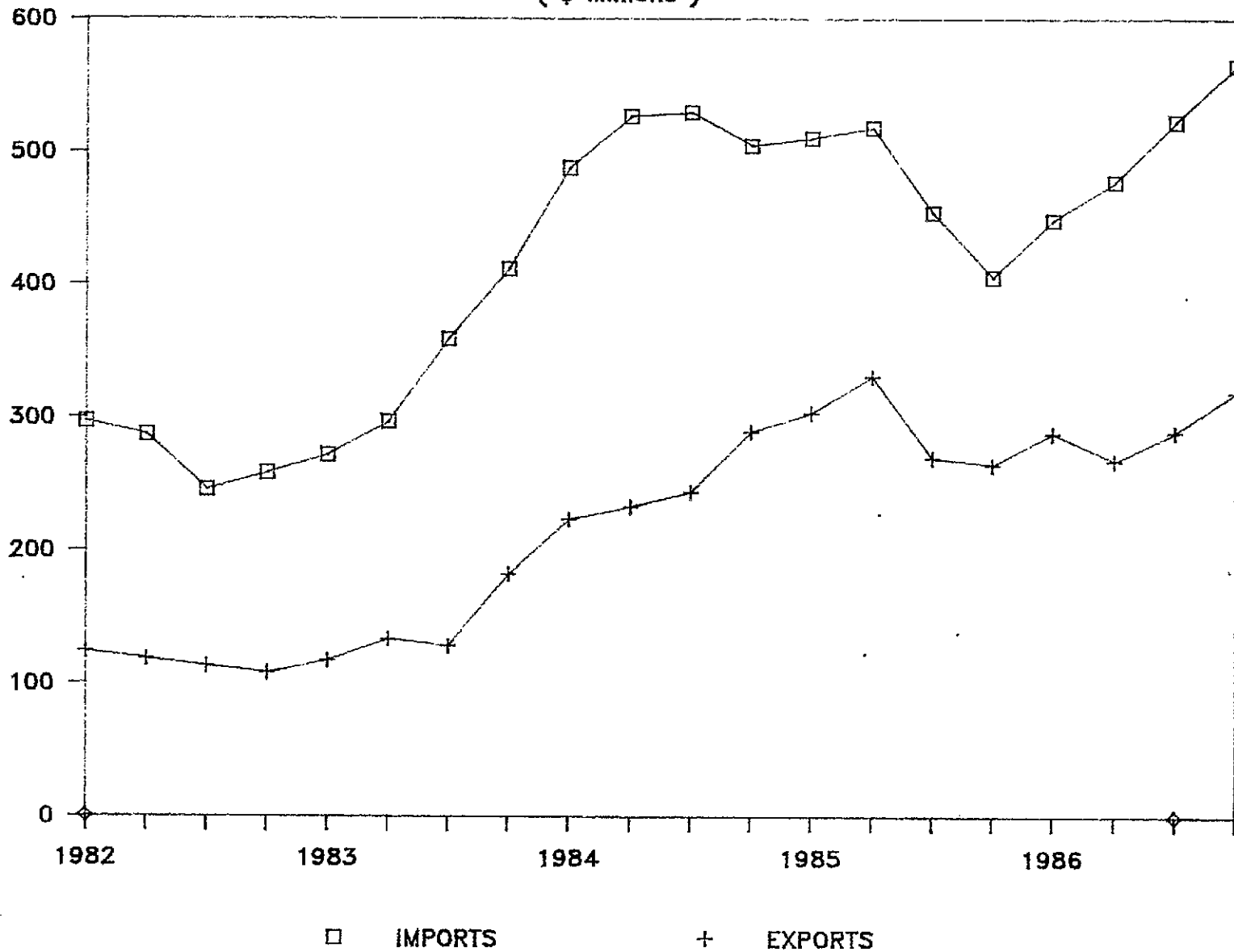
COMMUNICATIONS EQUIPMENT

(\$ Millions)



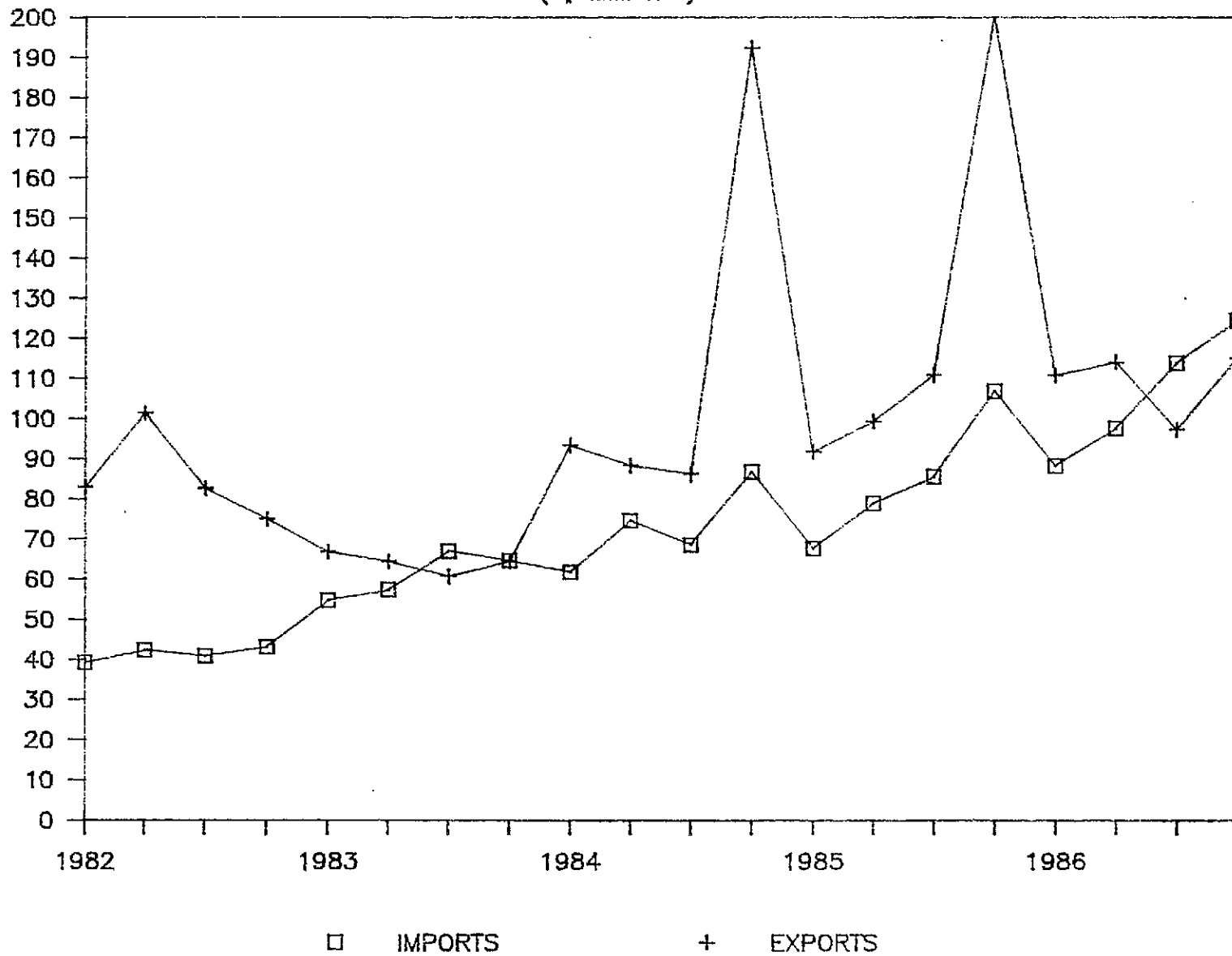
ELECTRONIC COMPONENTS

(\$ Millions)



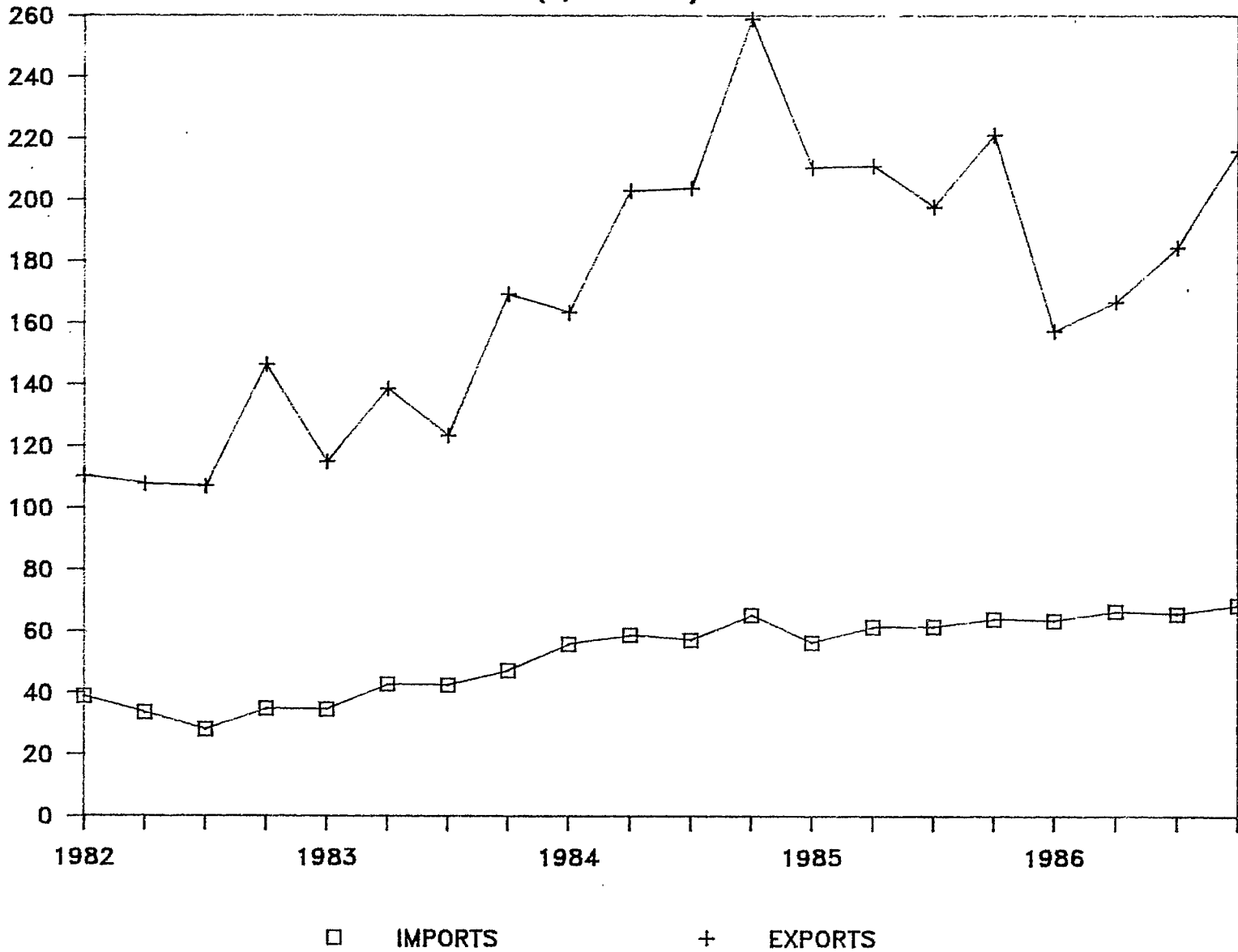
COMMERCIAL COMMUNICATIONS EQUIP. & PTS.

(\$ Millions)



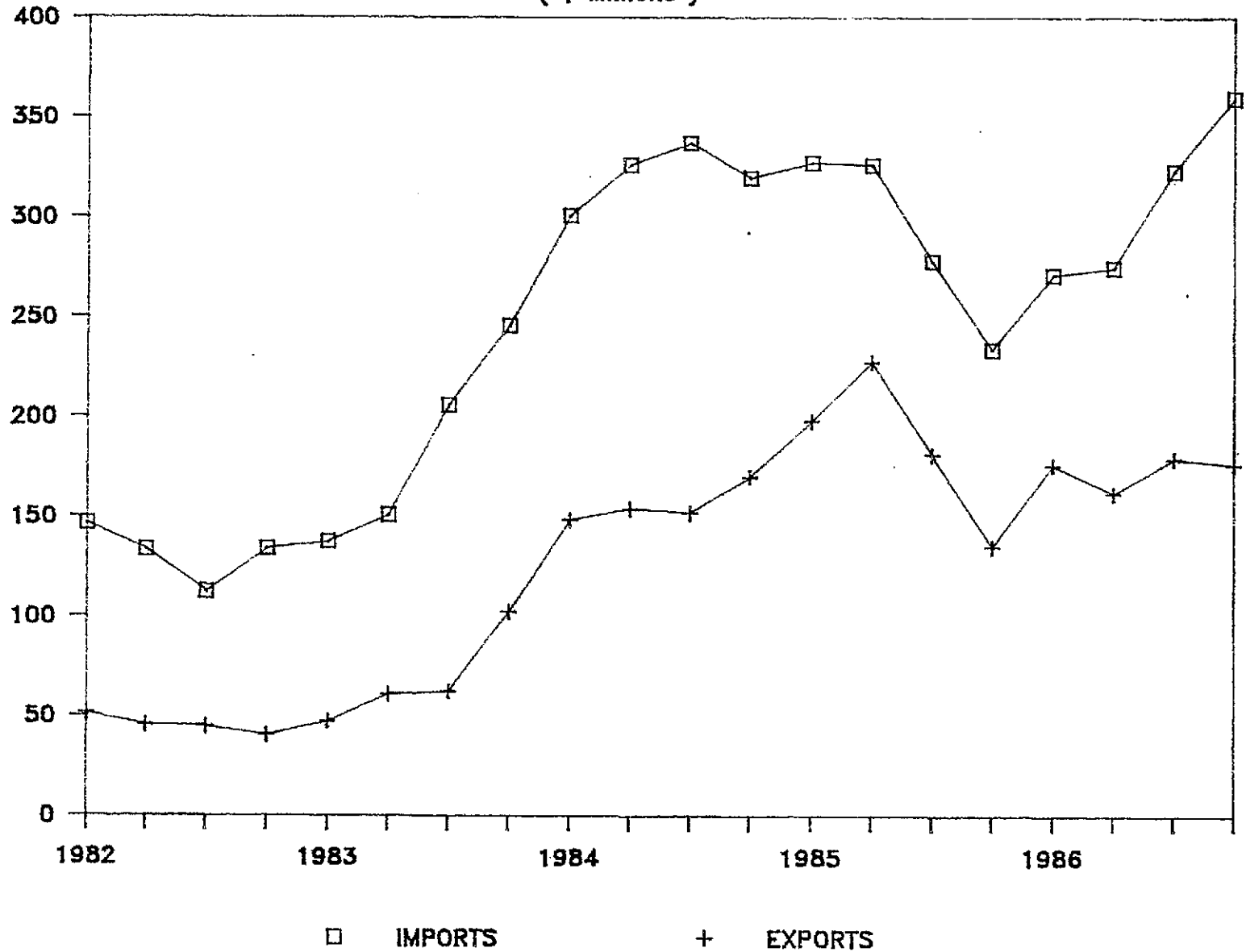
TELEPHONE APPARATUS & PARTS

(\$ Millions)



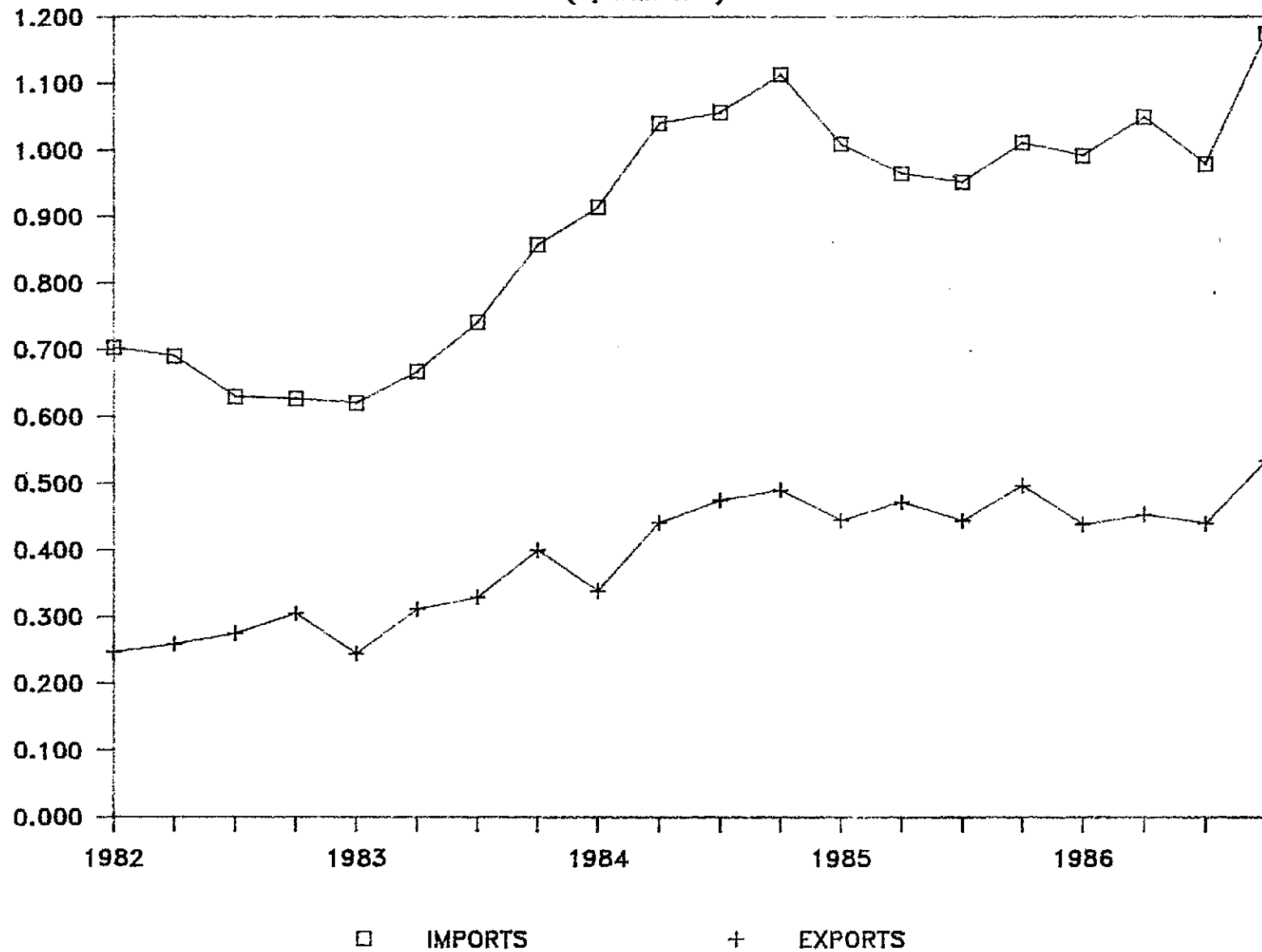
SEMI-CONDUCTORS & PARTS

(\$ Millions)



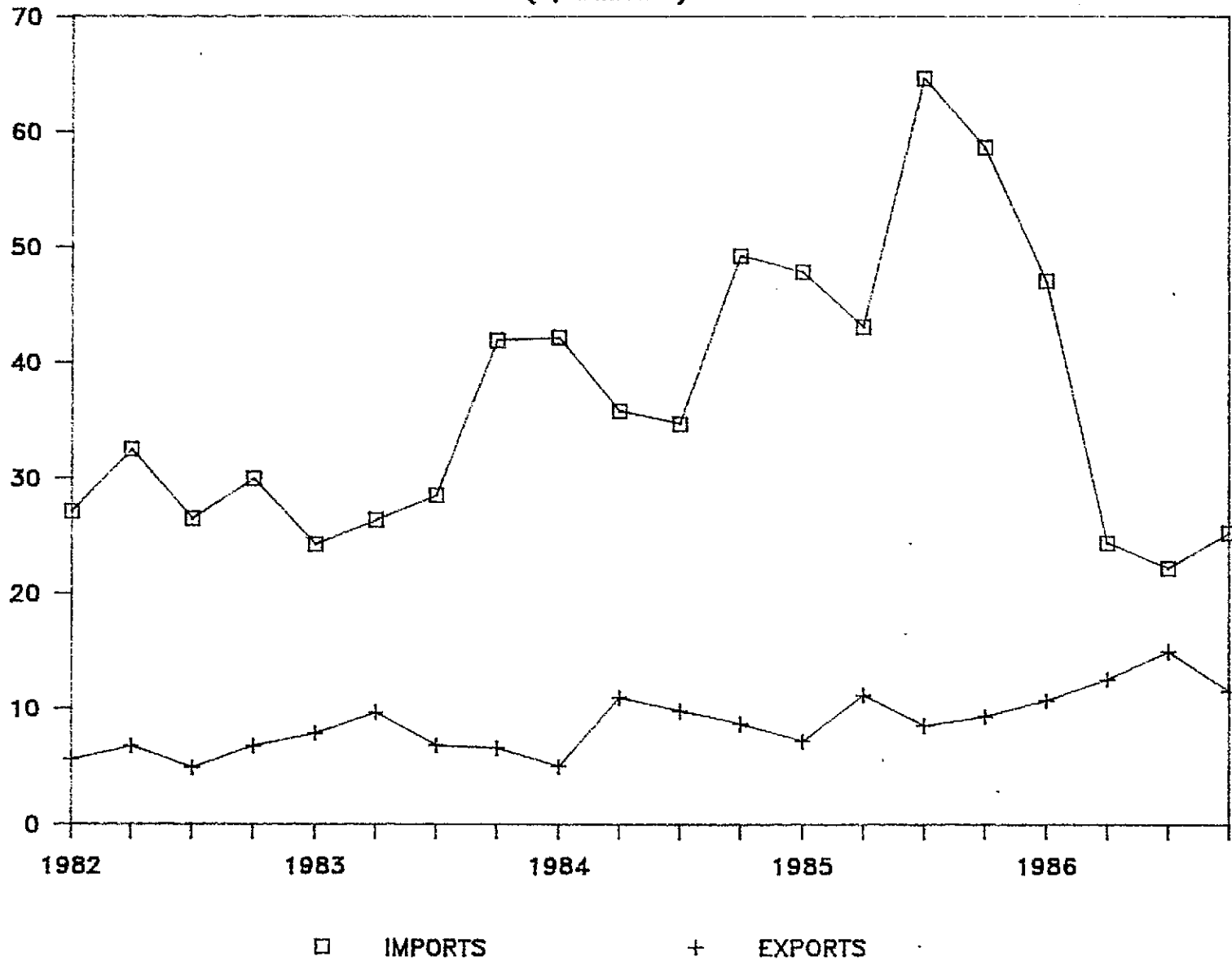
ELECTRONIC COMPUTERS & PTS.

(\$ Billions)



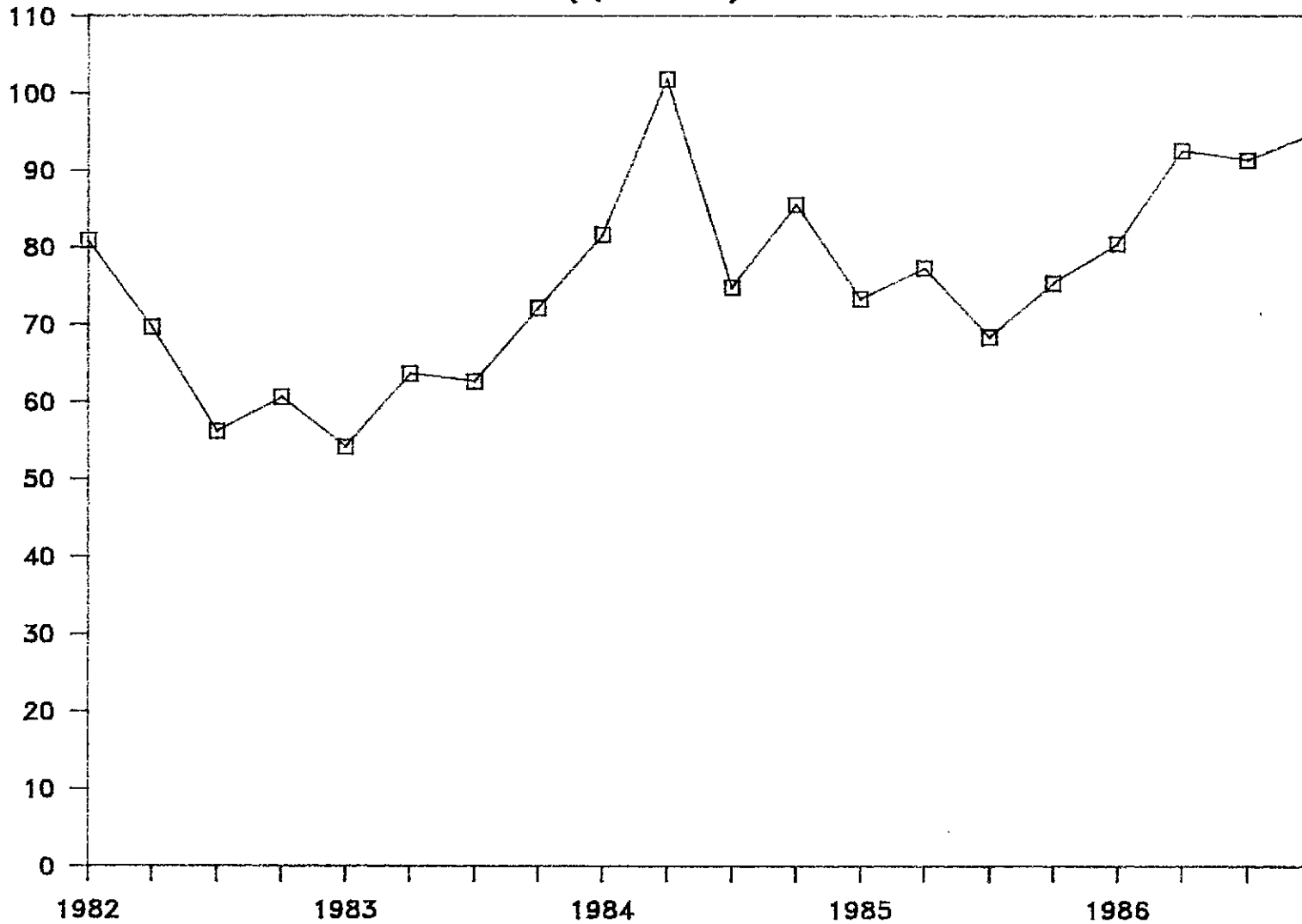
GEOPHYSICAL EQUIP. AND PARTS

(\$ Millions)



PHOTOCOPIERS & PTS.(919-47)

(\$ Millions)



□ IMPORTS

TABLE 6
HOUSEHOLD ELECTRICAL PRODUCTS
FOURTH QUARTER BY INDUSTRIAL SECTORS

	1986		1985	% Change	
	4th Qtr	3rd Qtr	4th Qtr	Qtr	Annual
----- \$ Millions -----					
MAJOR APPLIANCES					
ADM	347	334	336	3.9	3.3
Shipments	243	238	246	2.1	(1.2)
Trade Surplus (Deficit)	(104)	(96)	(90)	8.3	15.6
Exports	30	27	18	11.1	66.7
Imports	134	123	108	8.9	24.1
SMALL APPLIANCES					
ADM	263	276	243	(4.7)	8.2
Shipments	129	132	115	(2.3)	12.2
Trade Surplus (Deficit)	(134)	(144)	(128)	(6.9)	4.7
Exports	20	18	13	11.1	53.9
Imports	154	162	141	(4.9)	9.2
TOTAL					
ADM	610	610	579	-	5.4
Shipments	372	370	361	0.5	3.1
Trade Surplus (Deficit)	(238)	(240)	(218)	(0.8)	9.2
Exports	50	45	31	11.1	61.3
Imports	288	285	249	1.1	15.7

SOURCE: Inventories, Shipments and Orders in
Manufacturing Industries - Cat. No. 31-001
Imports by Commodities - Cat. No. 65-007
Exports by Commodities - Cat. No. 65-004
Statistics Canada.

All data classified by the 1980 S.I.C.

TABLE 7
HOUSEHOLD ELECTRICAL PRODUCTS
FOURTH QUARTER BY COMMODITY EXPORTS AND IMPORTS

	1986		1985	% Change	
	4th Qtr	3rd Qtr	4th Qtr	Qtr	Annual
	----- \$ 000 -----				
REFRIGERATORS AND FREEZERS					
Exports	10 837	12 814	7 114	(15.4)	52.3
Imports	13 225	12 233	11 707	8.1	13.0
Trade Surplus (Deficit)	(2 388)	581	(4 593)	(922.0)	(48.0)
ELECTRIC WASHING MACHINES AND PARTS					
Exports	2 567	2 686	1 907	(4.4)	34.6
Imports	20 231	27 261	13 364	(25.8)	51.4
Trade Surplus (Deficit)	(17 664)	(24 575)	(11 457)	(28.1)	54.2

TABLE 8
HOUSEHOLD ELECTRICAL PRODUCTS
FULL YEAR BY INDUSTRIAL SECTORS

	<u>1986</u>	<u>1985</u>	<u>% Change</u>
	----\$ Millions ----		
MAJOR APPLIANCES			
ADM	1 313	1 226	7.1
Shipments	962	943	2.0
Trade Surplus (Deficit)	(351)	(283)	24.0
Exports	112	71	57.8
Imports	463	354	30.8
SMALL APPLIANCES			
ADM	1 007	946	6.5
Shipments	503	454	10.8
Trade Surplus (Deficit)	(504)	(492)	2.4
Exports	70	47	48.9
Imports	574	539	6.5
TOTAL			
ADM	2 320	2 172	6.8
Shipment	1 465	1 397	4.9
Trade Surplus (Deficit)	(855)	(775)	10.3
Exports	182	118	54.2
Imports	1 037	893	16.1

SOURCE: Inventories, Shipment and Orders in
 Manufacturing Industries - Cat. No. 31-001
 Imports by Commodities - Cat. No. 65-007
 Exports by Commodities - Cat. No. 65-004
 Statistics Canada.

All data classified by the 1980 S.I.C.

TABLE 9
HOUSEHOLD ELECTRICAL PRODUCTS
FULL YEAR BY COMMODITY EXPORTS AND IMPORTS

	<u>1986</u>	<u>1985</u>	<u>% Change</u>
	----- \$ 000 -----		
REFRIGERATORS AND FREEZERS			
Exports	47 821	34 806	37.4
Imports	49 180	41 098	19.7
Trade Surplus (Deficit)	(1 359)	(6 292)	(78.4)
ELECTRIC WASHING MACHINES AND PARTS			
Exports	10 266	7 862	30.6
Imports	78 130	52 563	48.6
Trade Surplus (Deficit)	(67 864)	(44 701)	51.8

TABLE 10
ELECTRONIC PRODUCTS
NUMBER OF EMPLOYEES BY INDUSTRIAL SECTORS

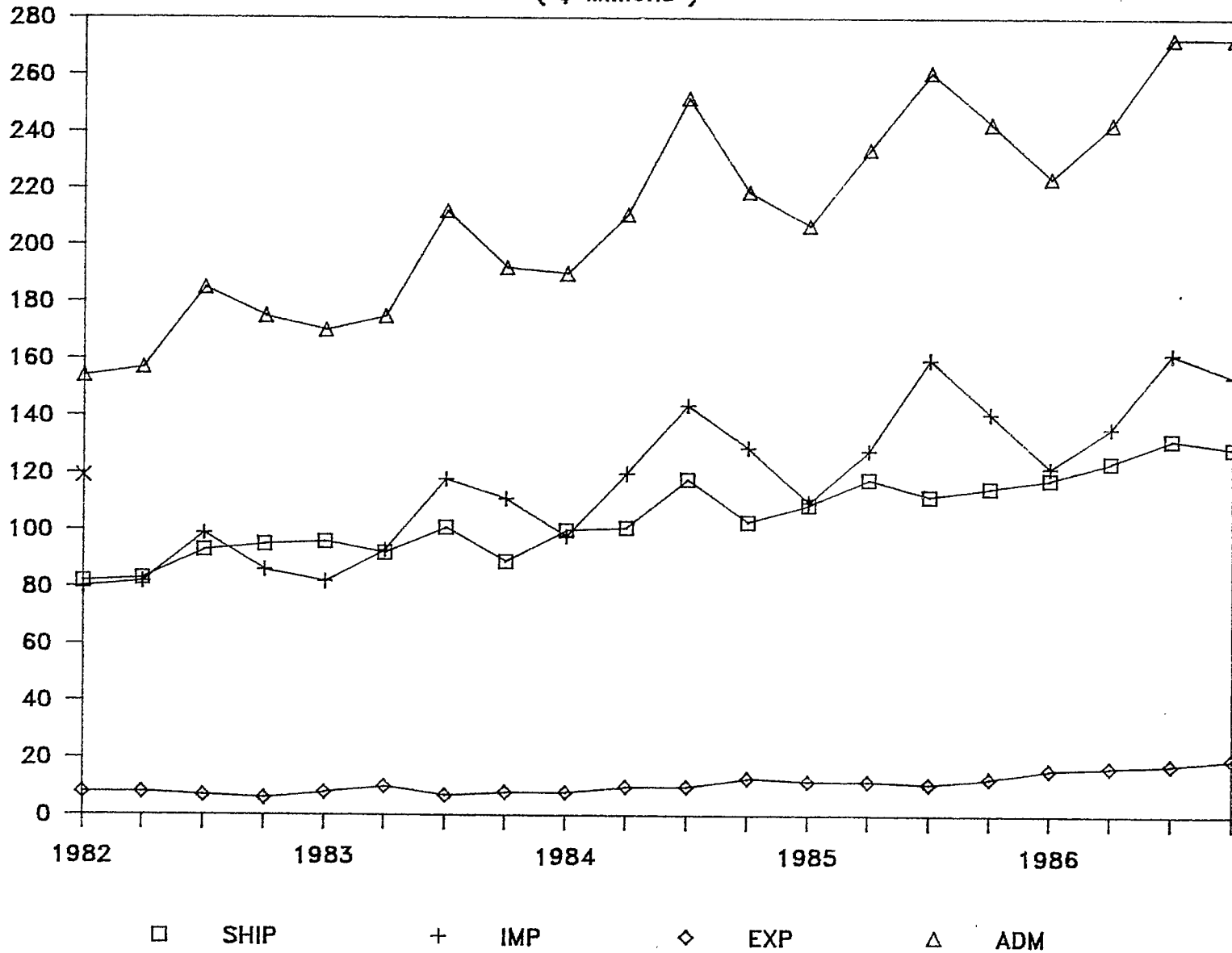
INDUSTRIAL SECTORS

	<u>As At December 1986</u>	<u>As At December 1985</u>
Major Appliances	8 835	7 527
Small Appliances	<u>3 212</u>	<u>3 221</u>
	<u>12 047</u>	<u>10 748</u>

SOURCE: Employment, Earnings and Hours - Cat. No. 72-002.
Statistics Canada.

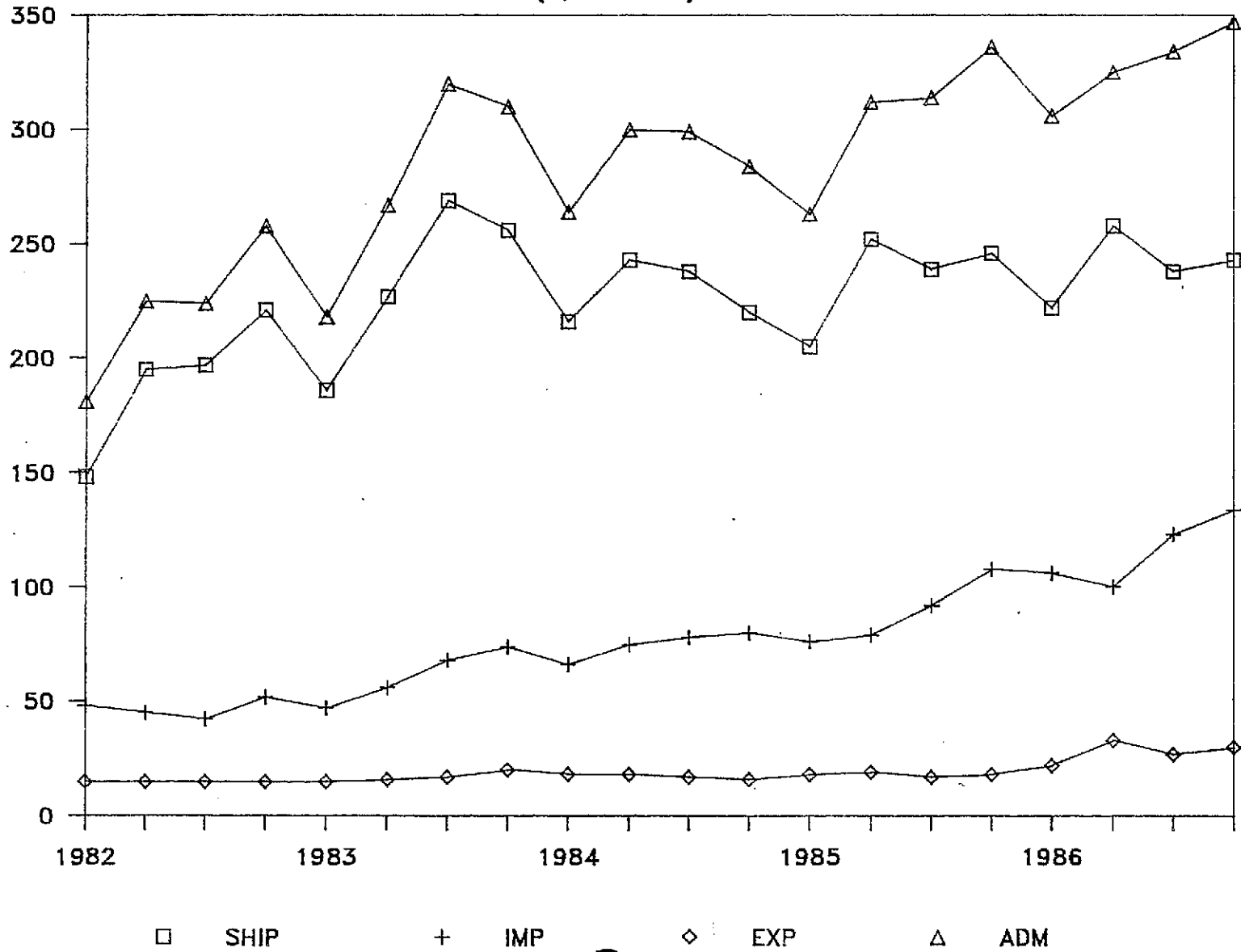
SMALL HHLD. ELECTRICAL APPLIANCES

(\$ Millions)



MAJOR HHLD. ELECTRICAL APPLIANCES

(\$ Millions)



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Industry Development Directorate

Information Technologies Industry Branch (GITI)

Department of Regional Industrial Expansion