

Canada

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

THIRD QUARTER, 1986



Government
of Canada

Gouvernement
du Canada

Regional Industrial
Expansion

Expansion industrielle
régionale

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STATISTICAL REVIEW**

THIRD QUARTER, 1986



December 1986

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Electronics Directorate
Regional Industrial Expansion
December 1986

Source of Statistics - Statistics Canada

TABLE 1
ELECTRONIC PRODUCTS
THIRD QUARTER BY INDUSTRIAL SECTORS

	1986		1985	% Change	
	3rd Qtr	2nd Qtr	3rd Qtr	Qtr	Annual
----- \$ Millions -----					
COMMUNICATIONS EQUIPMENT & COMPONENTS					
ADM	1 240	1 290	1 042	(3.9)	19.0
Shipments	1 003	1 100	984	(8.8)	1.9
Trade Surplus (Deficit)	(237)	(190)	(58)	24.7	308.6
Exports	599	583	634	2.7	(5.8)
Imports	836	773	692	8.2	20.8
OFFICE & STORE MACHINERY					
ADM	1 058	1 137	1 005	(6.9)	5.3
Shipments	354	374	360	(5.3)	(1.7)
Trade Surplus (Deficit)	(704)	(763)	(645)	(7.7)	9.1
Exports	460	478	468	(3.8)	(1.7)
Imports	1 164	1 241	1 113	(6.2)	4.6
RADIO AND TELEVISION					
ADM	-	-	-	-	-
Shipments	n.a.	n.a.	n.a.	-	-
Trade Surplus (Deficit)	(461)	(358)	(363)	28.8	27.0
Exports	51	53	46	(3.8)	10.9
Imports	512	411	409	24.6	25.2
INSTRUMENTS					
ADM	-	-	-	-	-
Shipments	n.a.	n.a.	n.a.	-	-
Trade Surplus (Deficit)	(133)	(159)	(144)	(16.4)	(7.6)
Exports	53	49	49	8.2	8.2
Imports	186	208	193	(10.6)	(3.6)
TOTAL					
ADM	3 228	3 280	2 852	(1.6)	13.2
Shipments (estm.)	1 693	1 810	1 642	(6.5)	3.1
Trade Surplus (Deficit)	(1 535)	(1 470)	(1 210)	4.4	26.9
Exports	1 163	1 163	1 197	0	(2.8)
Imports	2 698	2 633	2 407	2.5	12.1

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

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

TABLE 2
ELECTRONIC PRODUCTS
THIRD QUARTER BY INDUSTRIAL SECTORS

	1986		1985		% Change	
	3rd Qtr	2nd Qtr	3rd Qtr	3rd Qtr	Qtr	Annual
	----- \$ 000 -----					
COMMUNICATIONS EQUIPMENT						
Exports	310 592	315 365	364 166	(1.5)	(17.4)	
Imports	313 650	295 336	237 238	6.2	32.2	
Trade Surplus (Deficit)	3 058	20 029	126 928	84.7	97.6	
ELECTRONIC COMPONENTS						
Exports	288 563	267 244	269 748	8.0	7.0	
Imports	522 803	477 865	454 458	9.4	15.0	
Trade Surplus (Deficit)	(234 240)	(210 621)	(184 710)	11.2	26.8	
TELEPHONE APPARATUS EQUIPMENT & PARTS						
Exports	182 768	166 915	197 806	9.5	(7.6)	
Imports	65 703	66 663	61 639	(1.4)	6.6	
Trade Surplus (Deficit)	117 065	100 252	136 167	16.8	(14.0)	
PRINTED CIRCUIT BOARDS						
Exports	13 784	15 700	12 866	(12.2)	7.1	
Imports	12 271	13 356	11 819	(8.1)	3.8	
Trade Surplus (Deficit)	1 513	2 344	1 047	(35.5)	44.5	
ELECTRONIC COMPUTERS & PARTS						
Exports	437 278	453 534	444 600	(3.6)	(1.6)	
Imports	979 760	1 050 061	952 602	(6.7)	2.9	
Trade Surplus (Deficit)	(542 482)	(596 527)	(508 002)	(9.1)	6.8	
INTEGRATED CIRCUITS & SEMI-CONDUCTORS & PARTS						
Exports	178 994	161 732	181 392	10.7	(1.3)	
Imports	323 360	274 831	278 267	17.7	16.2	
Trade Surplus (Deficit)	(144 366)	(113 099)	(96 875)	27.6	49.0	

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

	1986		1985	% Change	
	3rd Qtr	2nd Qtr	3rd Qtr	Qtr	Annual
	----- \$ 000 -----				
TAPE PLAYERS, RECORDERS (EXC. PTS.)					
Exports					
Imports	195 762	118 090	127 236	65.8	53.9
Trade Surplus (Deficit)					
TELEVISION SETS					
Exports	15 302	14 407	15 922	6.2	(3.9)
Imports	80 596	58 218	61 009	38.4	32.1
Trade Surplus (Deficit)	(65 294)	(43 811)	(45 087)	49.0	44.8
RADIOS					
Exports	1 368	2 285	1 879	(40.1)	(27.2)
Imports	55 214	58 963	61 161	(6.4)	(9.7)
Trade Surplus (Deficit)	(53 846)	(56 678)	(59 282)	(5.0)	(9.2)
COMBINATION RADIO- PHONOGRAPH SETS					
Exports	30 347	33 941	25 812	(10.6)	17.6
Imports	89 103	80 658	82 618	10.5	7.8
Trade Surplus (Deficit)	(58 756)	(46 717)	(56 806)	25.8	3.4
GEOPHYSICAL & MINERAL PROSPECTION EQUIPMENT & PARTS					
Exports	14 617	12 628	8 587	15.8	70.2
Imports	22 164	24 405	64 660	(9.2)	(65.7)
Trade Surplus (Deficit)	(7 547)	(11 777)	(56 073)	(35.9)	(86.5)
COMMERCIAL COMMUNICATIONS EQUIPMENT N.E.S.					
Exports	97 020	114 129	111 004	(15.0)	(12.6)
Imports	115 057	97 652	85 610	17.8	34.4
Trade Surplus (Deficit)	(18 037)	16 477	25 394	(209.5)	(171.0)
PHOTOCOPY AND SIMILAR MACHINES & PARTS					
Exports					
Imports	90 984	92 640	68 396	(1.8)	33.0

TABLE 3
ELECTRONIC PRODUCTS
FIRST THREE-QUARTER YEAR BY INDUSTRIAL SECTORS

	<u>1986</u>	<u>1985</u>	<u>% Change</u>
	----\$ Millions ----		
COMMUNICATIONS EQUIPMENT & COMPONENTS			
ADM	3 721	3 213	15.8
Shipments	3 199	3 046	5.0
Trade Surplus (Deficit)	(522)	(167)	212.6
Exports	1 801	2 003	(10.1)
Imports	2 323	2 170	7.1
OFFICE & STORE MACHINES			
ADM	3 257	3 147	3.5
Shipments	1 092	1 155	(5.5)
Trade Surplus (Deficit)	(2 165)	(1 992)	8.7
Exports	1 402	1 431	(2.0)
Imports	3 567	3 423	4.2
RADIO AND TELEVISION			
ADM	-	-	-
Shipments	n.a.	n.a.	n.a.
Trade Surplus (Deficit)	(1 125)	(972)	15.7
Exports	149	161	(7.5)
Imports	1 274	1 133	12.4
INSTRUMENTS			
ADM	-	-	-
Shipments	n.a.	n.a.	n.a.
Trade Surplus (Deficit)	(439)	(460)	(4.6)
Exports	152	145	4.8
Imports	591	605	(2.3)
TOTAL			
ADM	9 544	8 690	9.8
Shipments (estimate)	5 293	5 099	3.8
Trade Surplus (Deficit)	(4 251)	(3 591)	18.4
Exports	3 504	3 740	(6.3)
Imports	7 755	7 331	5.8

TABLE 4

ELECTRONIC PRODUCTS

FIRST THREE-QUARTER YEAR BY COMMODITY EXPORTS AND IMPORTS

	<u>1986</u> -----\$ 000	<u>1985</u> -----	<u>\$ Change</u>
COMMUNICATIONS EQUIPMENT			
Exports	956 749	1 099 290	(13.0)
Imports	874 137	686 343	27.4
Trade Surplus (Deficit)	82 612	412 947	(80.0)
ELECTRONIC COMPONENTS			
Exports	843 864	904 089	(6.7)
Imports	1 449 318	1 483 683	(2.3)
Trade Surplus (Deficit)	(605 454)	(579 594)	4.5
TELEPHONE APPARATUS EQUIPMENT & PARTS			
Exports	507 202	619 935	(18.2)
Imports	196 091	179 603	9.2
Trade Surplus (Deficit)	311 111	440 332	(29.3)
PRINTED CIRCUIT BOARDS			
Exports	42 972	39 572	8.6
Imports	34 577	30 088	14.9
Trade Surplus (Deficit)	8 395	9 484	(11.5)
ELECTRONIC COMPUTERS & PARTS			
Exports	1 329 955	1 362 041	(2.4)
Imports	3 022 167	2 928 382	3.2
Trade Surplus (Deficit)	(1 692 212)	(1 566 341)	8.0
INTEGRATED CIRCUITS & SEMI-CONDUCTORS & PARTS			
Exports	516 615	607 077	(14.9)
Imports	869 497	931 967	(6.7)
Trade Surplus (Deficit)	(352 882)	(324 890)	8.6

TABLE 4 (CONT'D)
ELECTRONIC PRODUCTS

FIRST THREE-QUARTER YEAR BY COMMODITY EXPORTS AND IMPORTS

	<u>1986</u> -----\$ 000	<u>1985</u> -----	<u>% Change</u>
TAPE PLAYERS, RECORDERS (EXC. PTS.)			
Exports			
Imports	419 669	357 644	17.3
Trade Surplus (Deficit)			
TELEVISION SETS			
Exports	40 246	48 983	(17.8)
Imports	188 217	150 156	25.3
Trade Surplus (Deficit)	(147 971)	(101 173)	46.3
RADIOS			
Exports	4 203	5 534	(24.1)
Imports	175 239	183 767	(4.6)
Trade Surplus (Deficit)	(171 036)	(178 233)	(4.0)
COMBINATION RADIO-PHONOGRAPH SETS			
Exports	96 213	97 290	(1.1)
Imports	229 953	226 034	1.7
Trade Surplus (Deficit)	(133 740)	(128 744)	3.9
GEOPHYSICAL & MINERAL PROSPECTION EQUIPMENT & PARTS			
Exports	38 006	27 068	40.4
Imports	93 671	155 634	(39.8)
Trade Surplus (Deficit)	(55 665)	(128 566)	(131.0)
COMMERCIAL COMMUNICATIONS EQUIPMENT N.E.S.			
Exports	322 077	302 433	6.5
Imports	301 082	230 351	30.7
Trade Surplus (Deficit)	20 995	72 082	(70.9)
PHOTOCOPY AND SIMILAR MACHINES & PARTS			
Exports			
Imports	264 161	219 080	20.6

TABLE 5
ELECTRONIC PRODUCTS
NUMBER OF EMPLOYEES BY INDUSTRIAL SECTORS

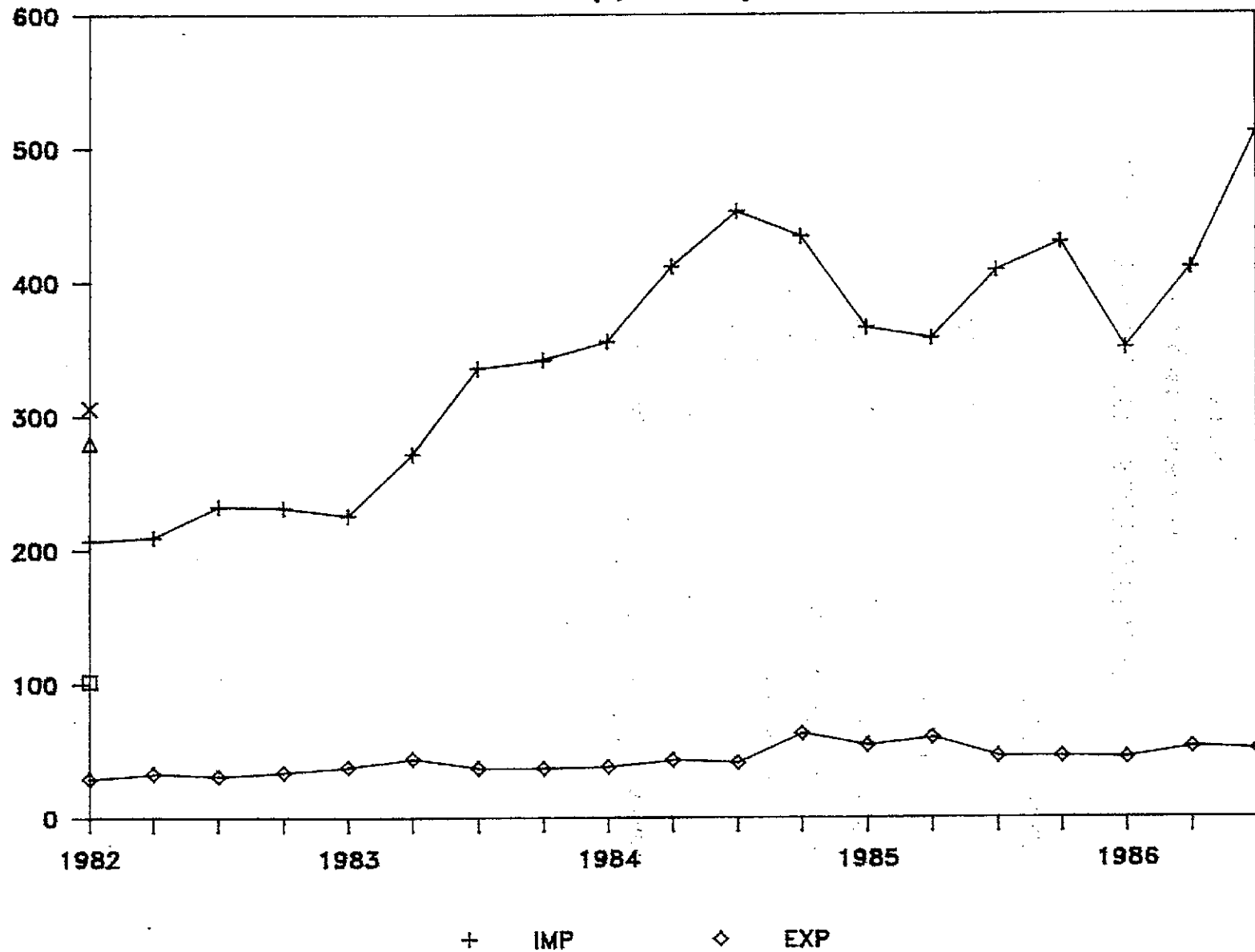
INDUSTRIAL SECTORS

	<u>As At September 1986</u>	<u>As At September 1985</u>
Radio and Television	4 433	3 956
Communications Equipment & Components	48 180	47 218
Office & Store Machinery	17 092	15 532
Instruments (estimated)	<u>15 522</u>	<u>17 527</u>
	<u>85 227</u>	<u>84 233</u>

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

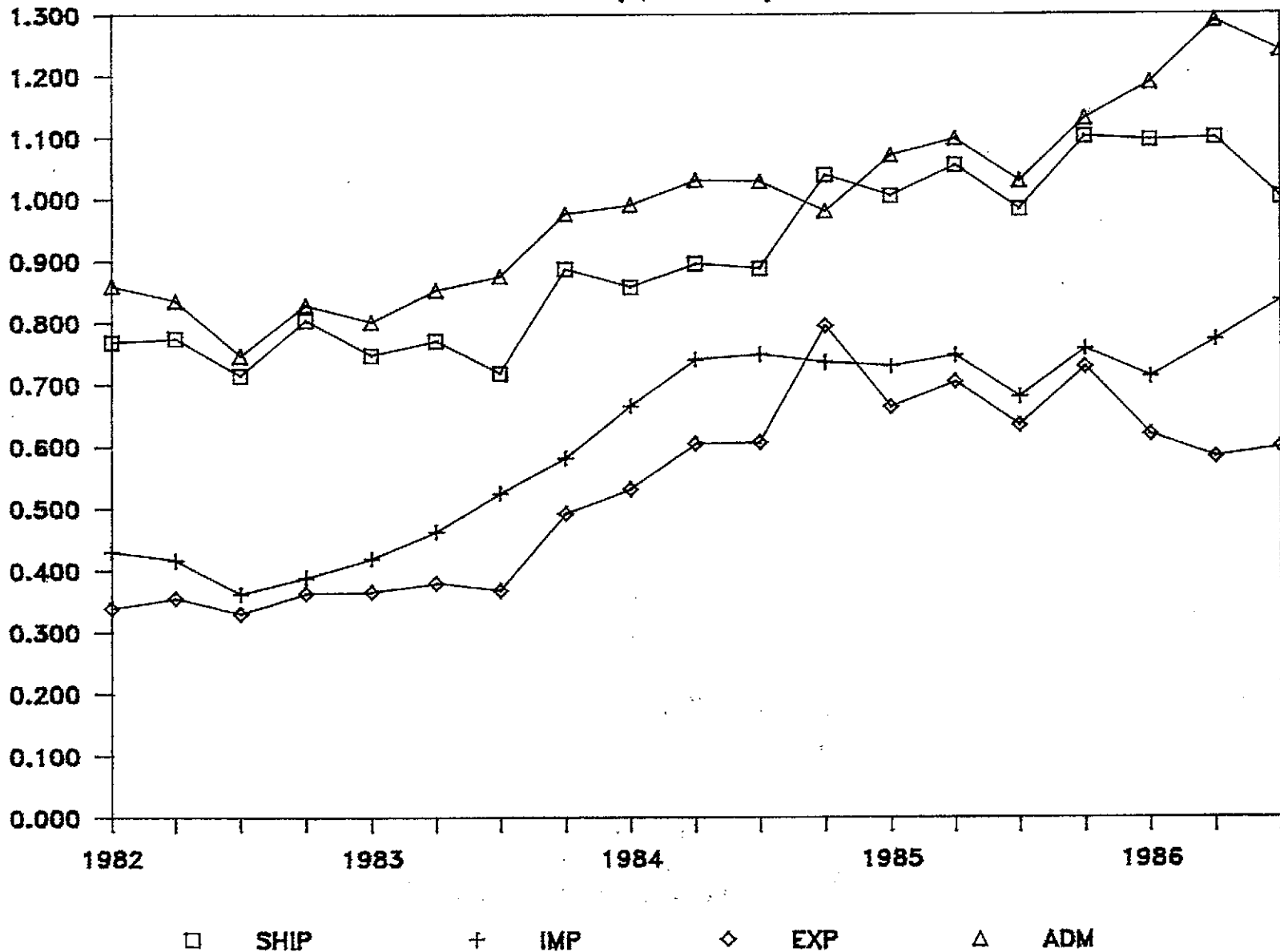
HOUSEHOLD RADIOS AND TELEVISIONS

(\$ Millions)



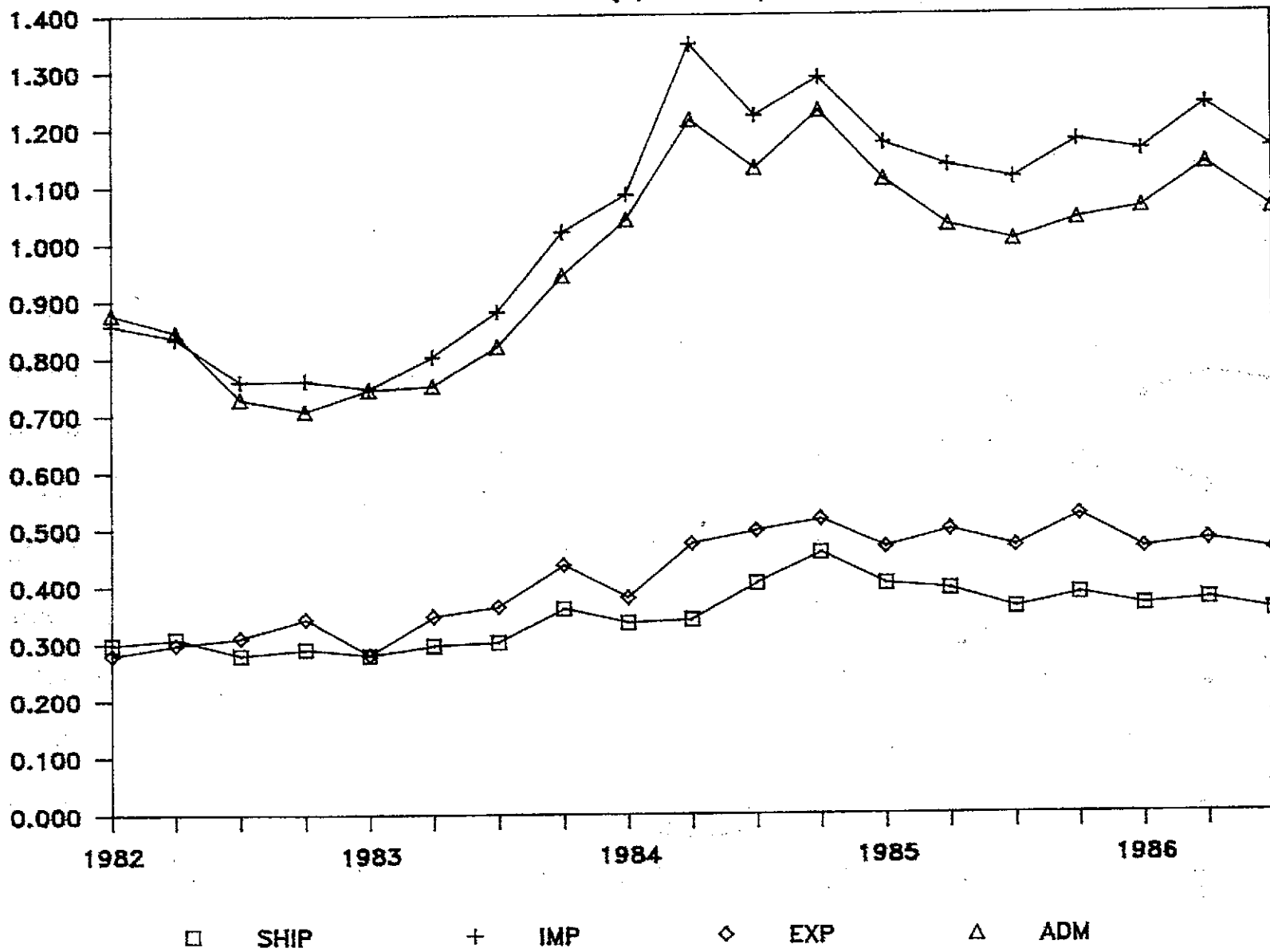
COMMUNICATIONS EQUIP. AND COMPONENTS

(\$ Billions)



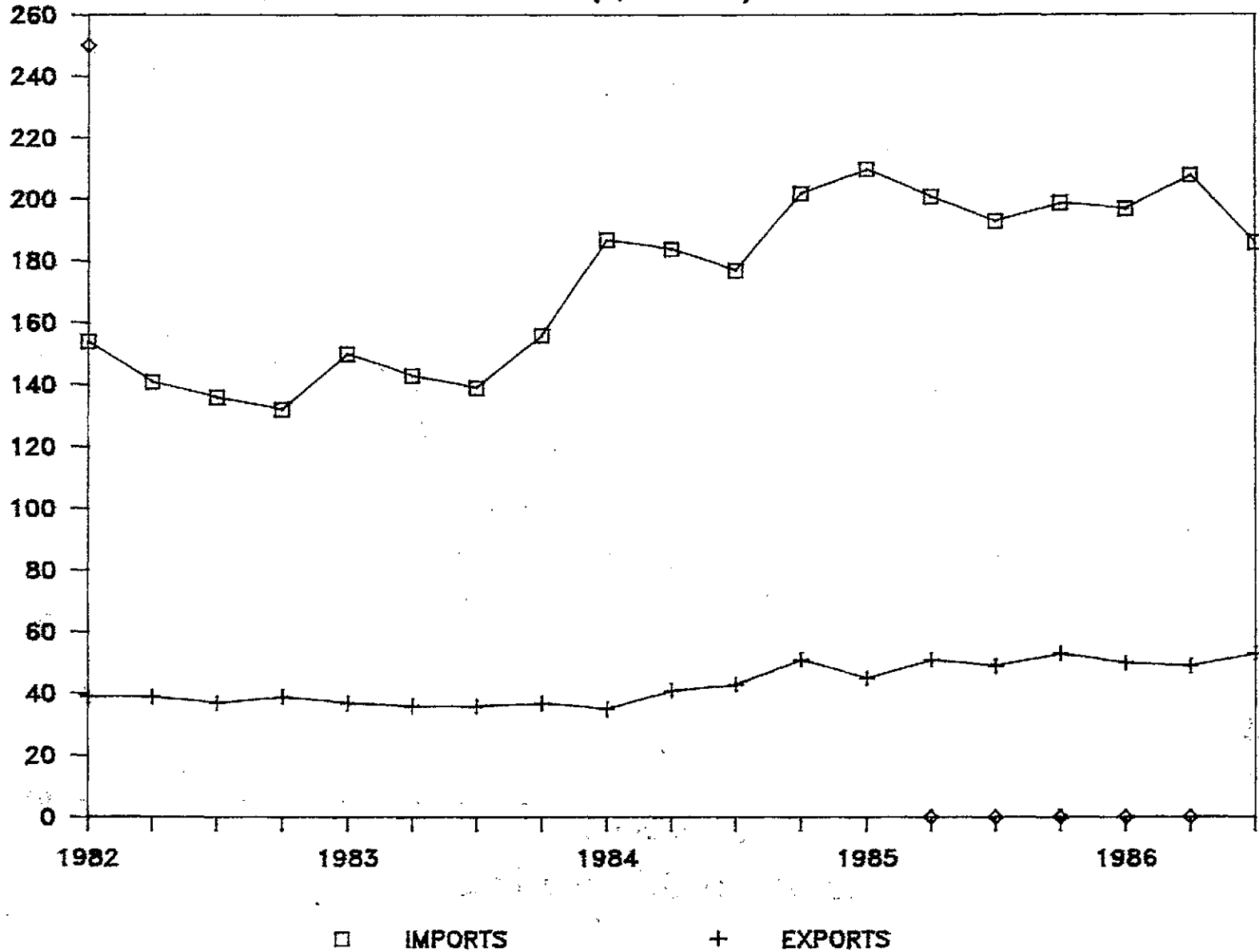
OFFICE & STORE MACHINERY

(\$ Billions)



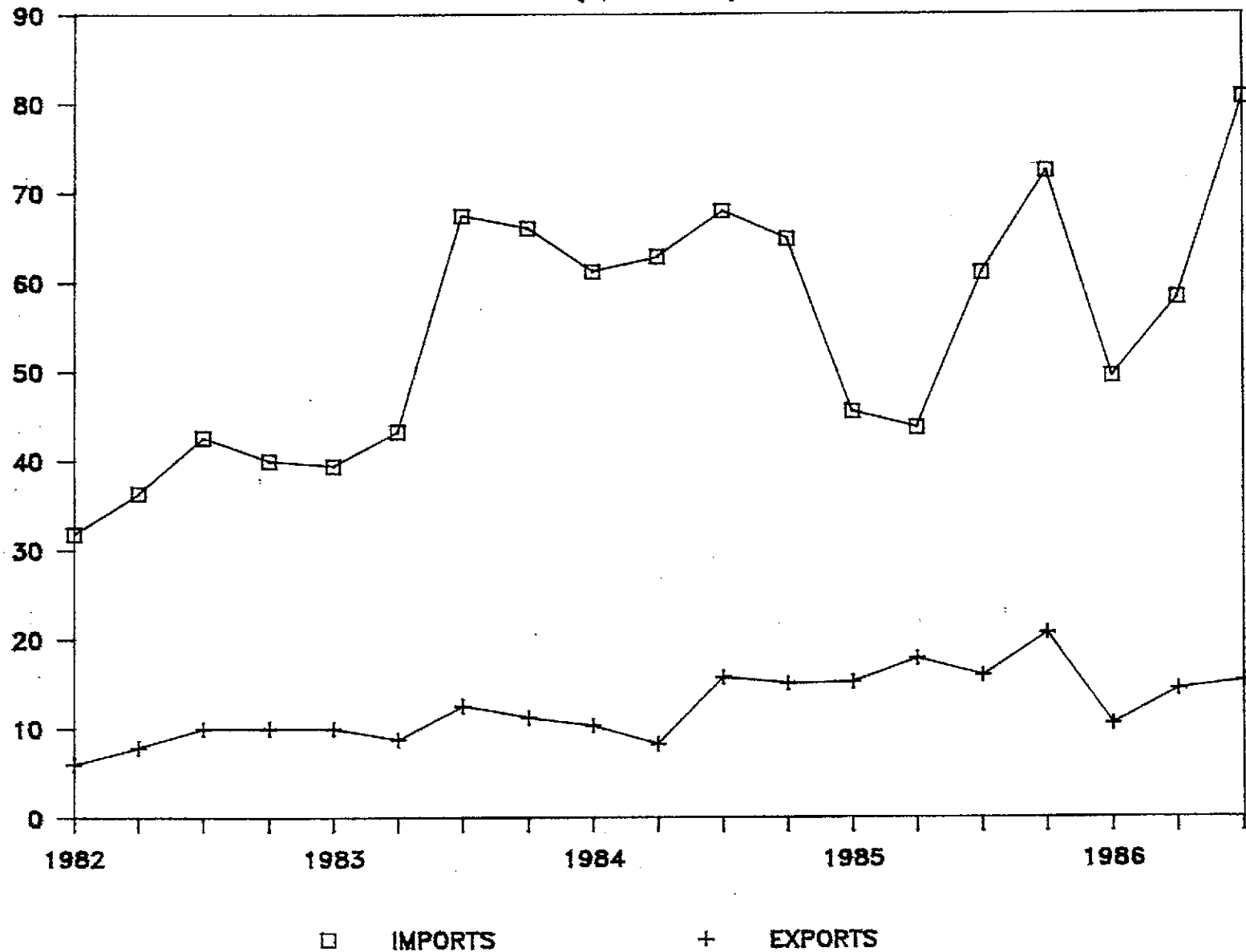
INSTRUMENTATIONS

(\$ Millions)



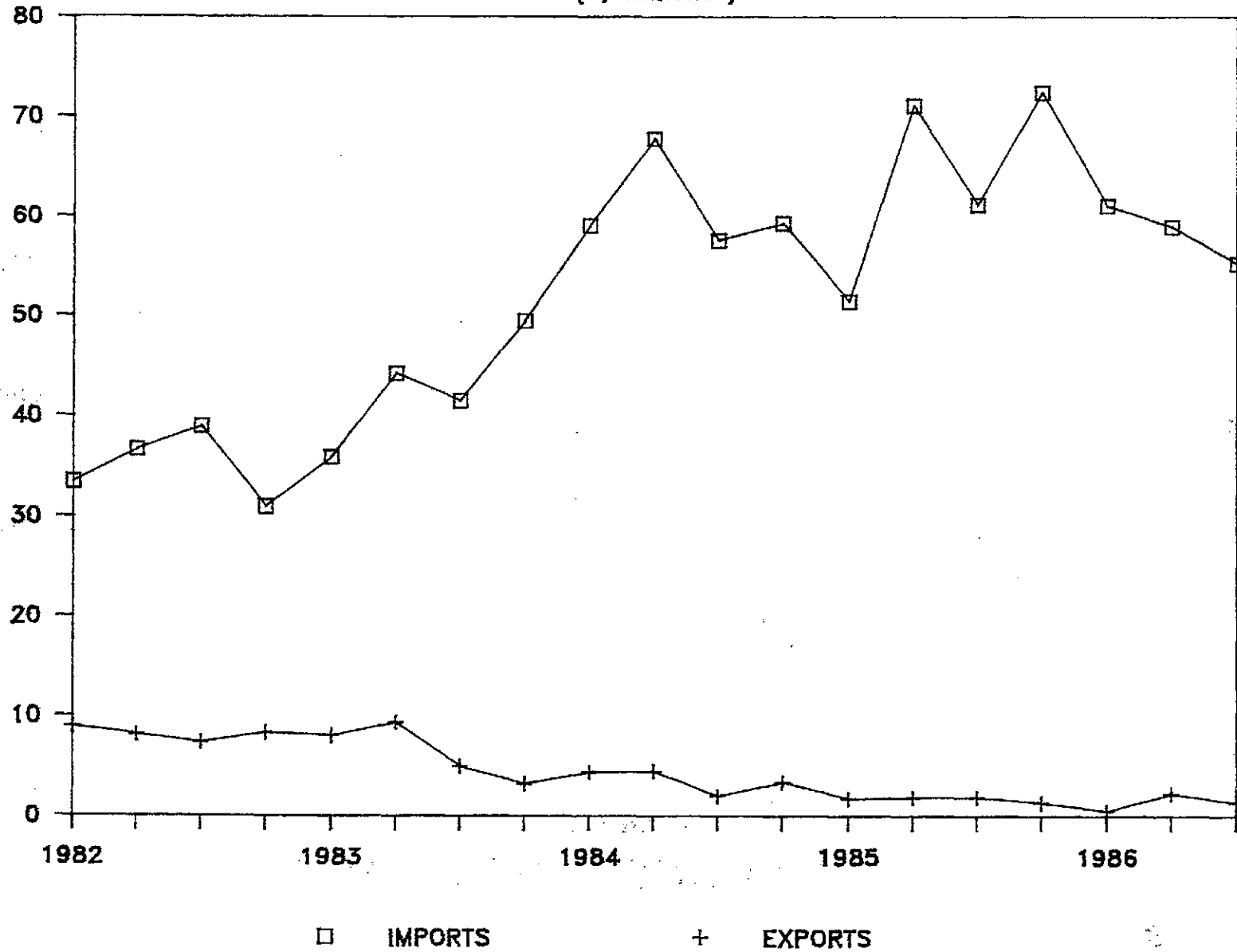
TELEVISION SETS

(\$ Millions)



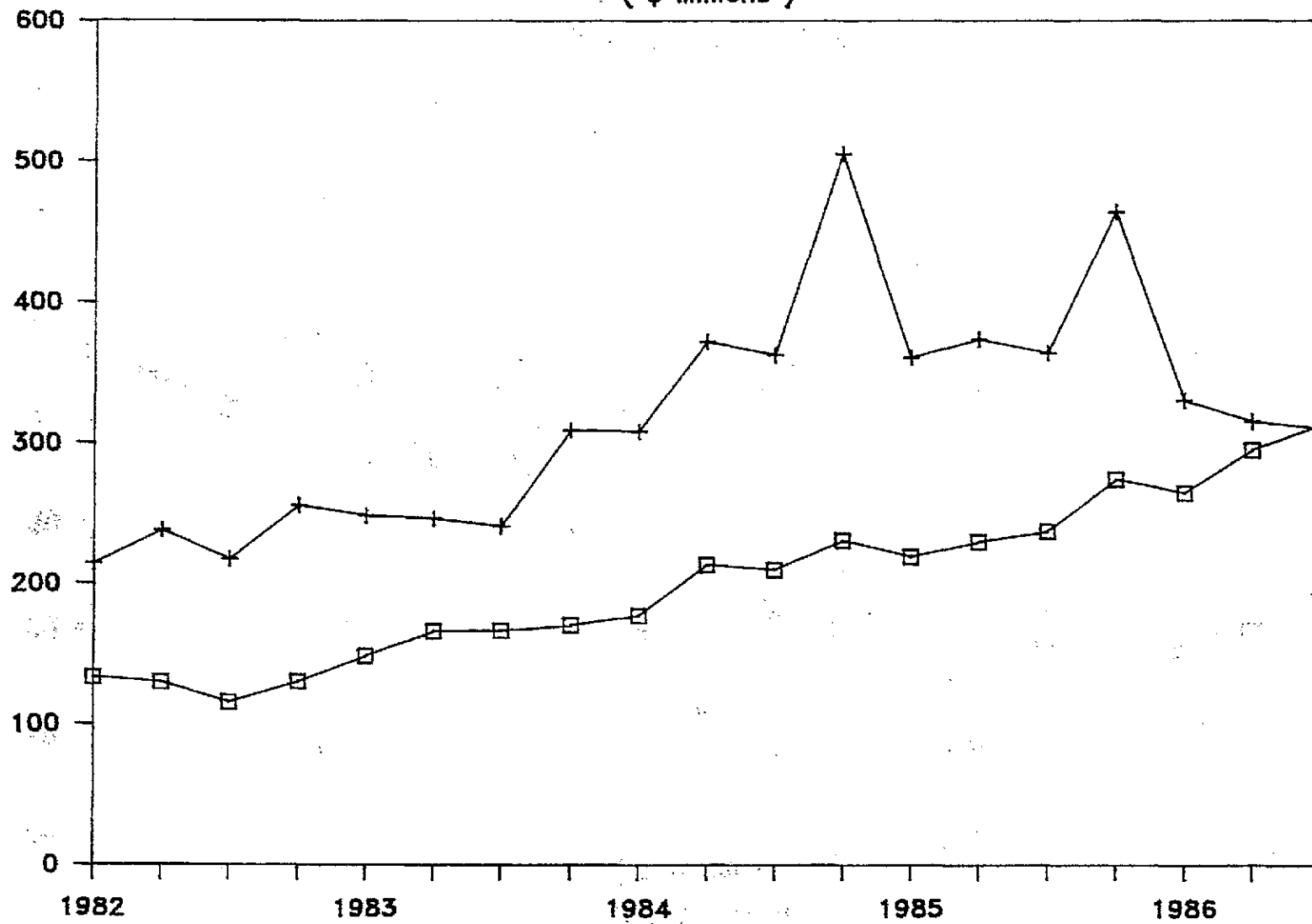
RADIOS

(\$ Millions)



COMMUNICATIONS EQUIPMENT

(\$ Millions)

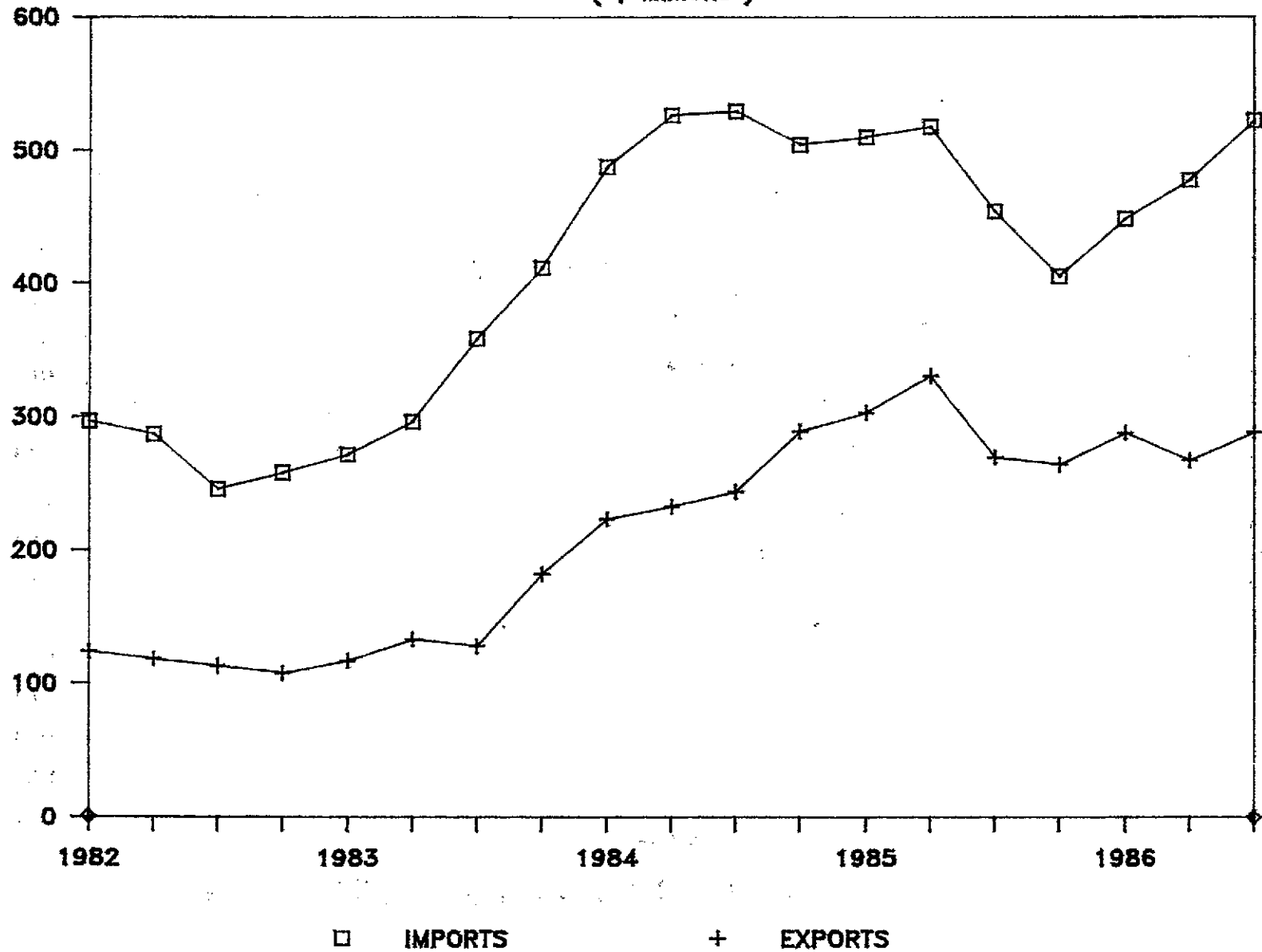


□ IMPORTS

+ EXPORTS

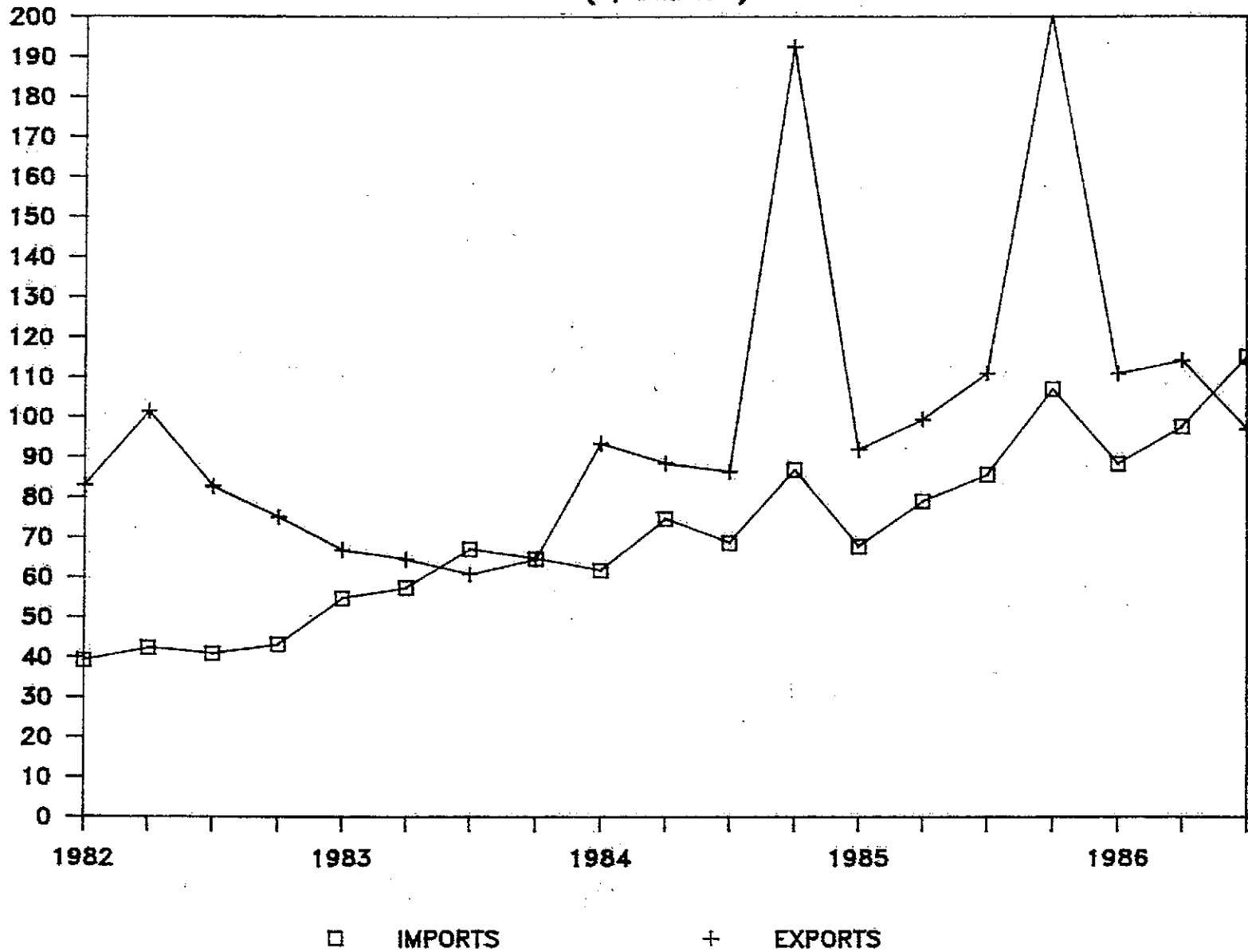
ELECTRONIC COMPONENTS

(\$ Millions)



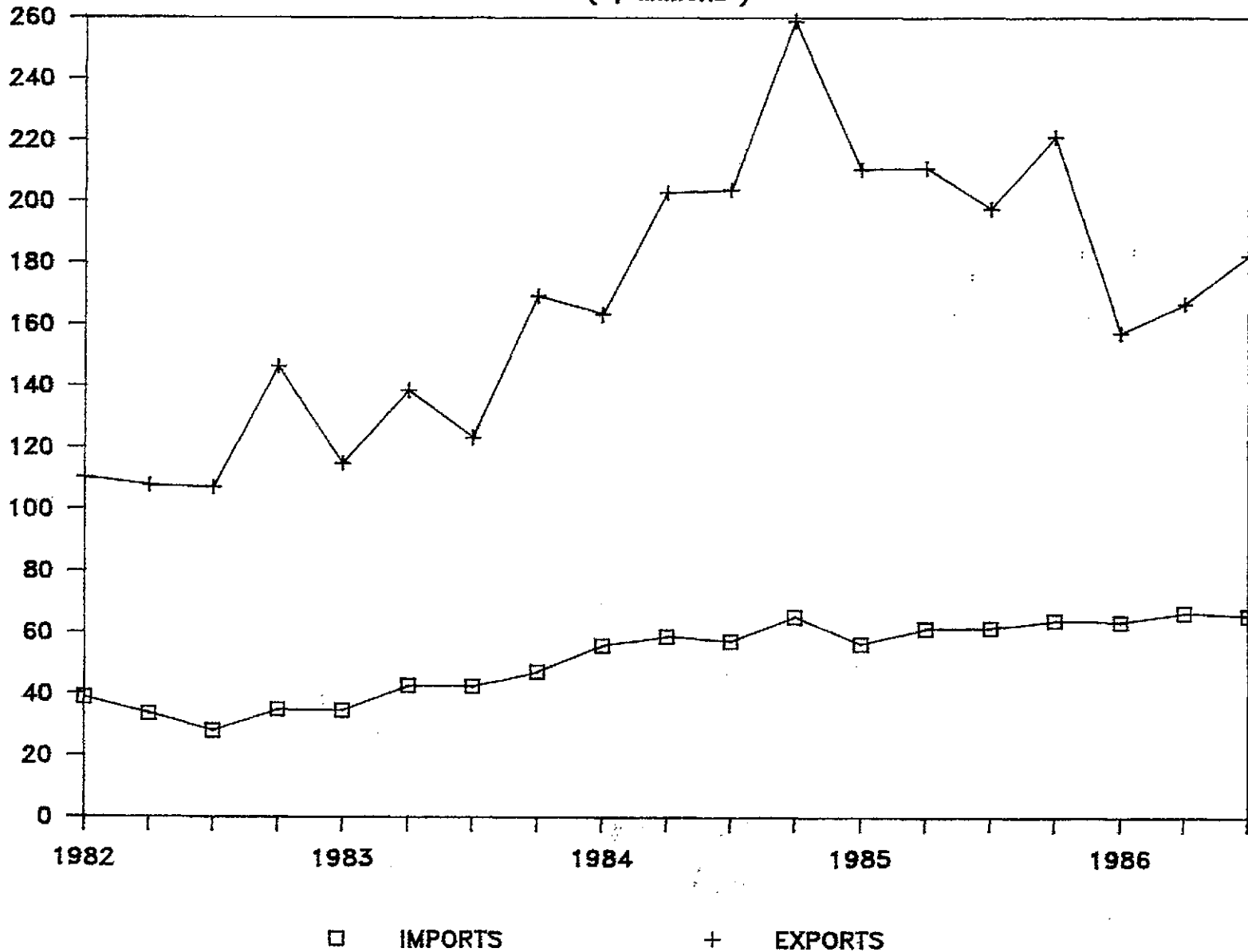
COMMERCIAL COMMUNICATIONS EQUIP. & PTS.

(\$ Millions)



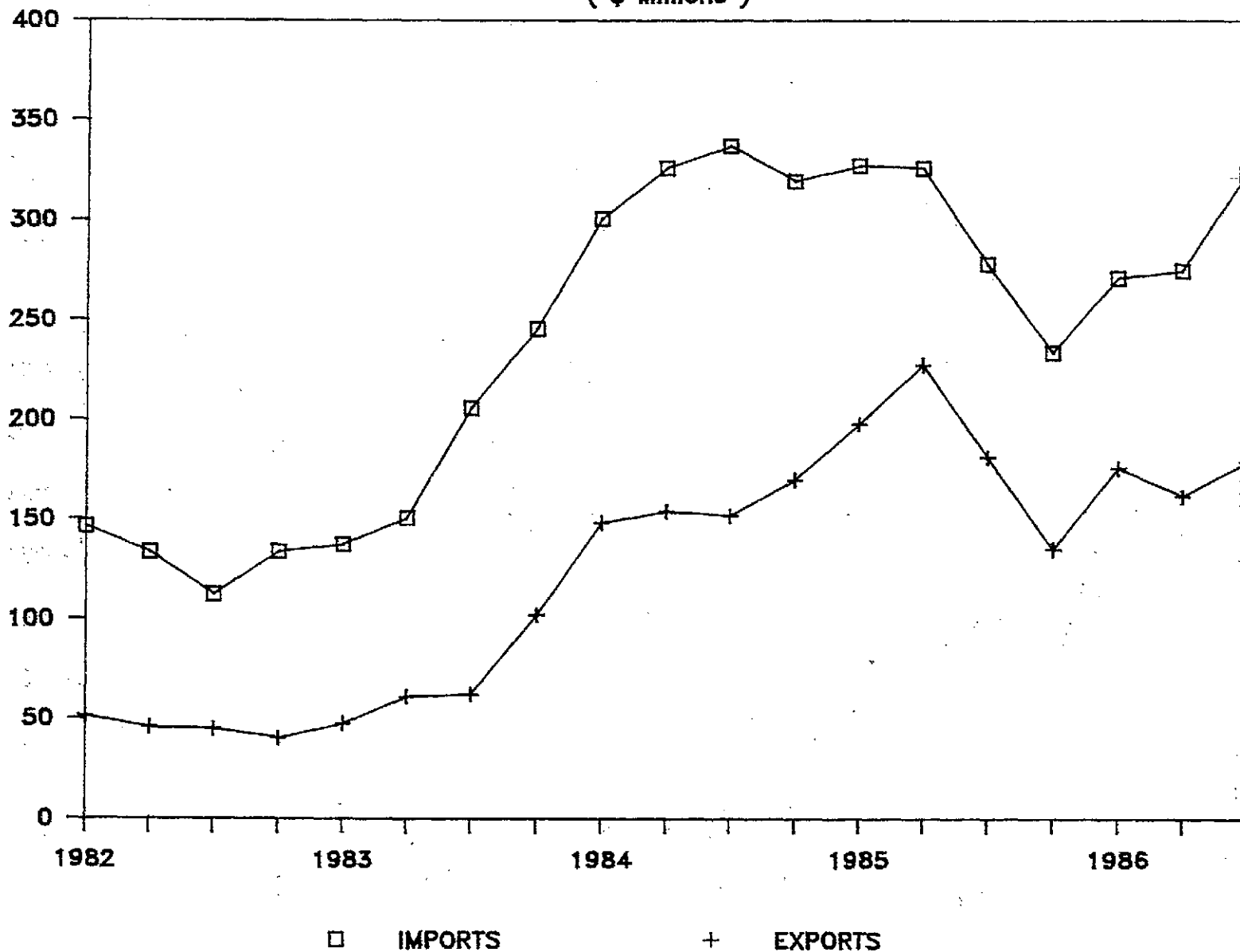
TELEPHONE APPARATUS & PARTS

(\$ Millions)



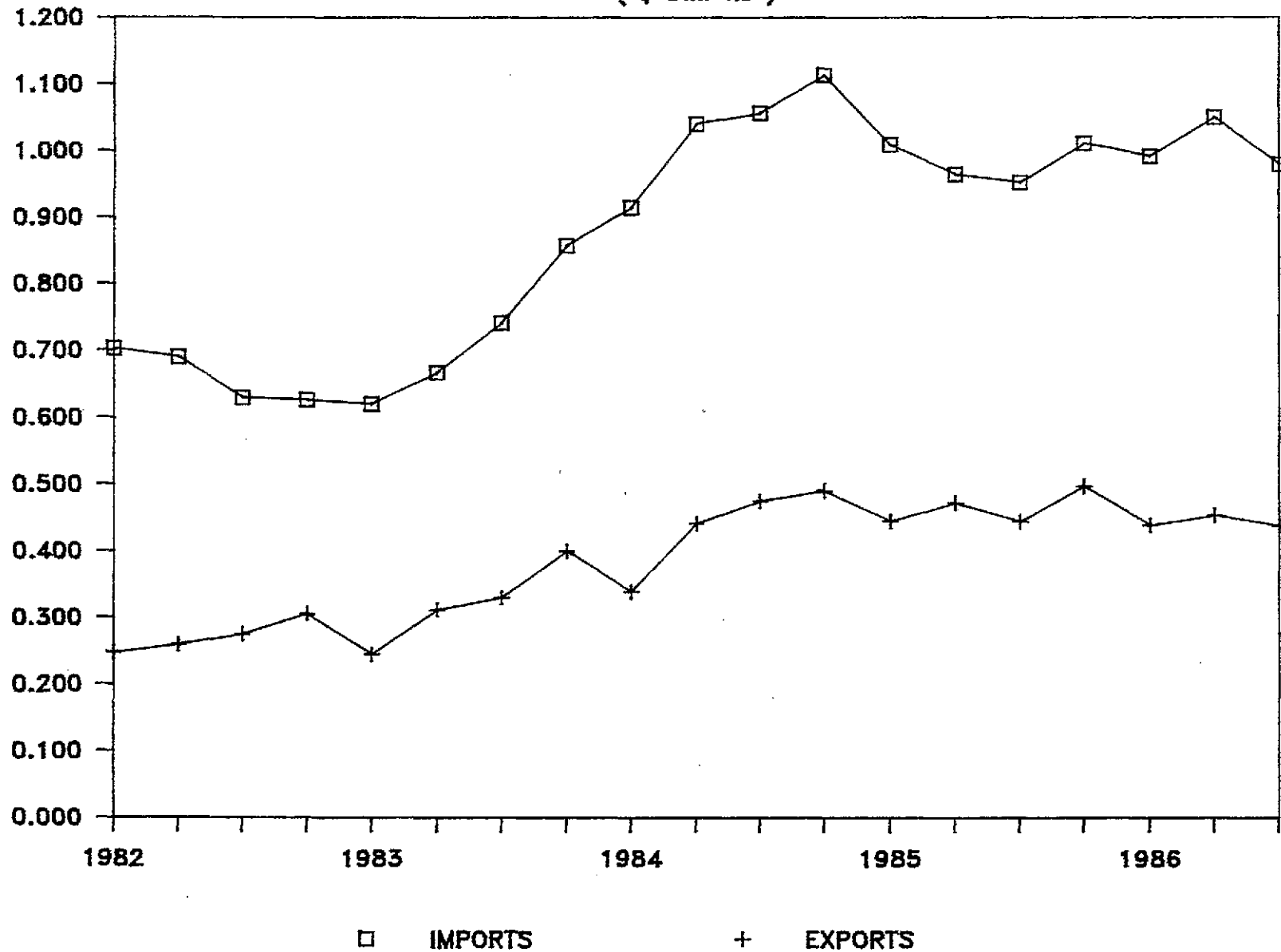
SEMI-CONDUCTORS & PARTS

(\$ Millions)



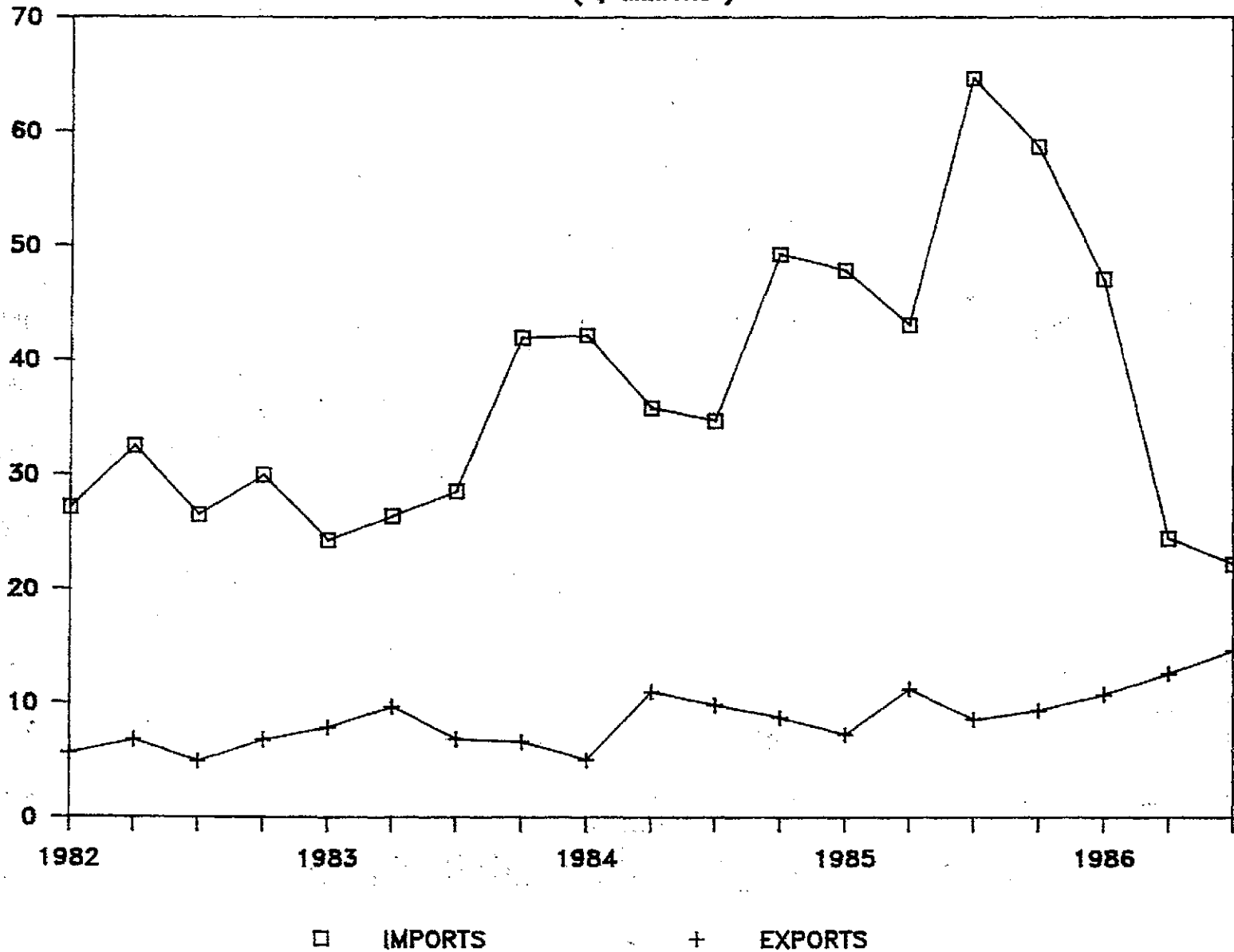
ELECTRONIC COMPUTERS & PTS.

(\$ Billions)



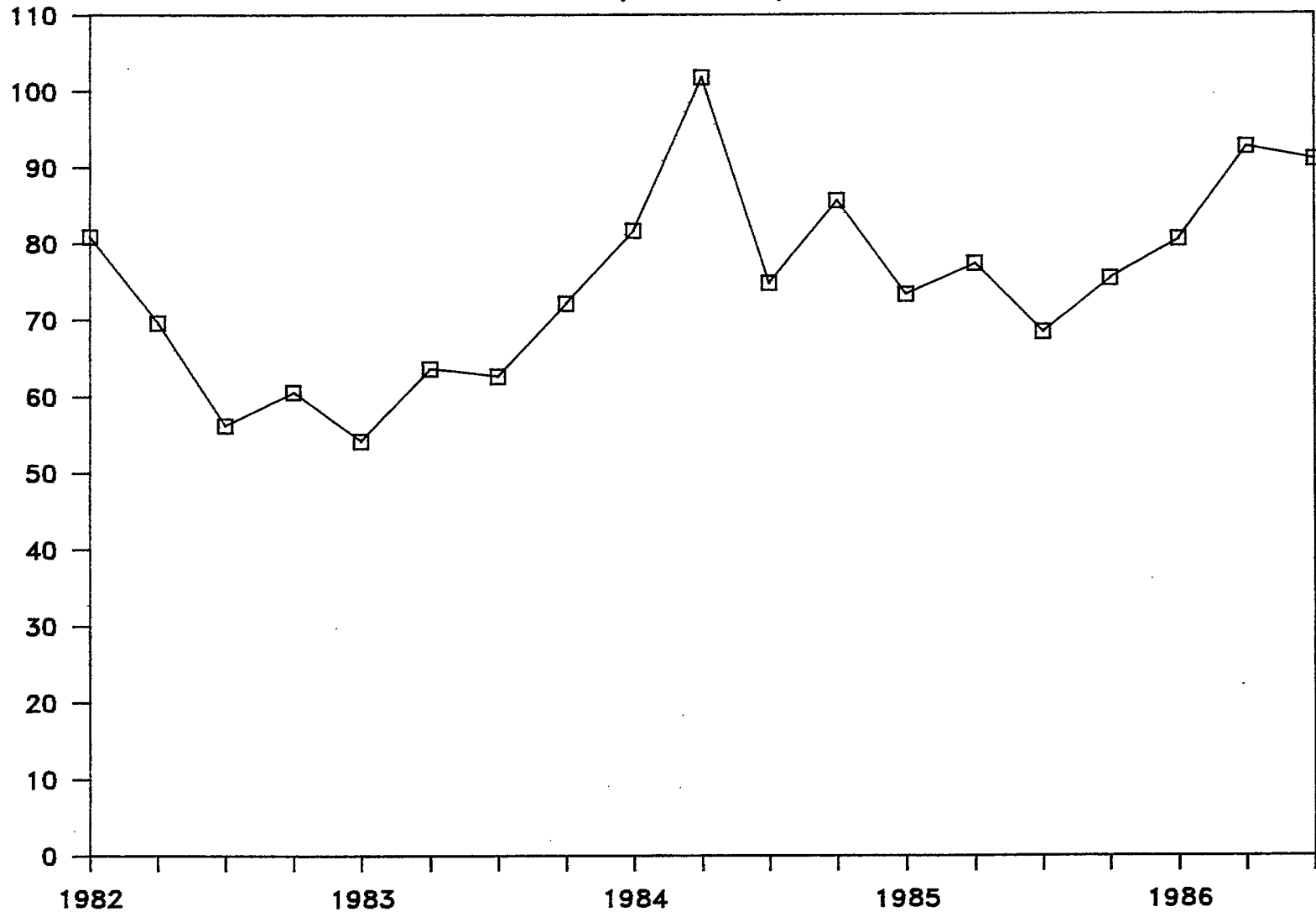
GEOPHYSICAL EQUIP. AND PARTS

(\$ Millions)



PHOTOCOPIERS & PTS.(919-47)

(\$ Millions)



□ IMPORTS

TABLE 6
HOUSEHOLD ELECTRICAL PRODUCTS
THIRD QUARTER BY INDUSTRIAL SECTORS

	1986		1985	% Change	
	3rd Qtr	2nd Qtr	3rd Qtr	Qtr	Annual
----- \$ Millions -----					
MAJOR APPLIANCES					
ADM	333	325	314	2.5	6.1
Shipments	238	258	239	(7.8)	(0.4)
Trade Surplus (Deficit)	(95)	(67)	(75)	41.8	26.7
Exports	27	33	17	(18.2)	58.8
Imports	122	100	92	22.0	32.6
SMALL APPLIANCES					
ADM	273	243	261	12.3	4.6
Shipments	129	124	112	4.0	15.2
Trade Surplus (Deficit)	(144)	(119)	(149)	21.0	(3.4)
Exports	18	17	11	5.9	63.6
Imports	162	136	160	19.1	1.3
TOTAL					
ADM	606	568	575	6.7	5.4
Shipments	367	382	351	(3.9)	4.6
Trade Surplus (Deficit)	(239)	(186)	(224)	28.5	6.7
Exports	45	50	28	(10.0)	60.7
Imports	284	236	252	20.3	12.7

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
THIRD QUARTER BY COMMODITY EXPORTS AND IMPORTS

	1986		1985	% Change	
	<u>3rd Qtr</u>	<u>2nd Qtr</u>	<u>3rd Qtr</u>	<u>Qtr</u>	<u>Annual</u>
	----- \$ 000 -----				
REFRIGERATORS AND FREEZERS					
Exports	12 814	15 248	8 735	(16.0)	46.7
Imports	12 229	13 151	10 074	(7.0)	21.4
Trade Surplus (Deficit)	585	2 097	(1 339)	(72.1)	143.7
ELECTRIC WASHING MACHINES AND PARTS					
Exports	2 686	3 318	1 706	(19.0)	57.4
Imports	27 261	16 055	13 600	69.8	100.4
Trade Surplus (Deficit)	(24 575)	(12 737)	(11 894)	(92.9)	106.6

TABLE 8
HOUSEHOLD ELECTRICAL PRODUCTS
FIRST THREE-QUARTER YEAR BY INDUSTRIAL SECTORS

	<u>1986</u>	<u>1985</u>	<u>% Change</u>
	----\$ Millions ----		
MAJOR APPLIANCES			
ADM	965	889	8.5
Shipments	718	697	3.0
Trade Surplus (Deficit)	(247)	(192)	28.6
Exports	82	54	51.9
Imports	329	246	33.7
SMALL APPLIANCES			
ADM	740	703	5.3
Shipments	371	339	9.4
Trade Surplus (Deficit)	(369)	(364)	1.4
Exports	51	34	50.0
Imports	420	398	5.5
TOTAL			
ADM	1 705	1 592	7.1
Shipment	1 089	1 036	5.1
Trade Surplus (Deficit)	(616)	(556)	10.8
Exports	133	88	51.1
Imports	749	644	16.3

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

FIRST THREE-QUARTER YEAR BY COMMODITY EXPORTS AND IMPORTS

	<u>1986</u>	<u>1985</u>	<u>% Change</u>
	----- \$ 000 -----		
REFRIGERATORS AND FREEZERS			
Exports	36 983	27 692	33.6
Imports	35 952	29 391	22.3
Trade Surplus (Deficit)	1 031	(1 699)	160.7
ELECTRIC WASHING MACHINES AND PARTS			
Exports	7 699	5 955	29.3
Imports	57 899	39 199	47.7
Trade Surplus (Deficit)	(50 200)	(33 244)	51.0

TABLE 10
ELECTRONIC PRODUCTS
NUMBER OF EMPLOYEES BY INDUSTRIAL SECTORS

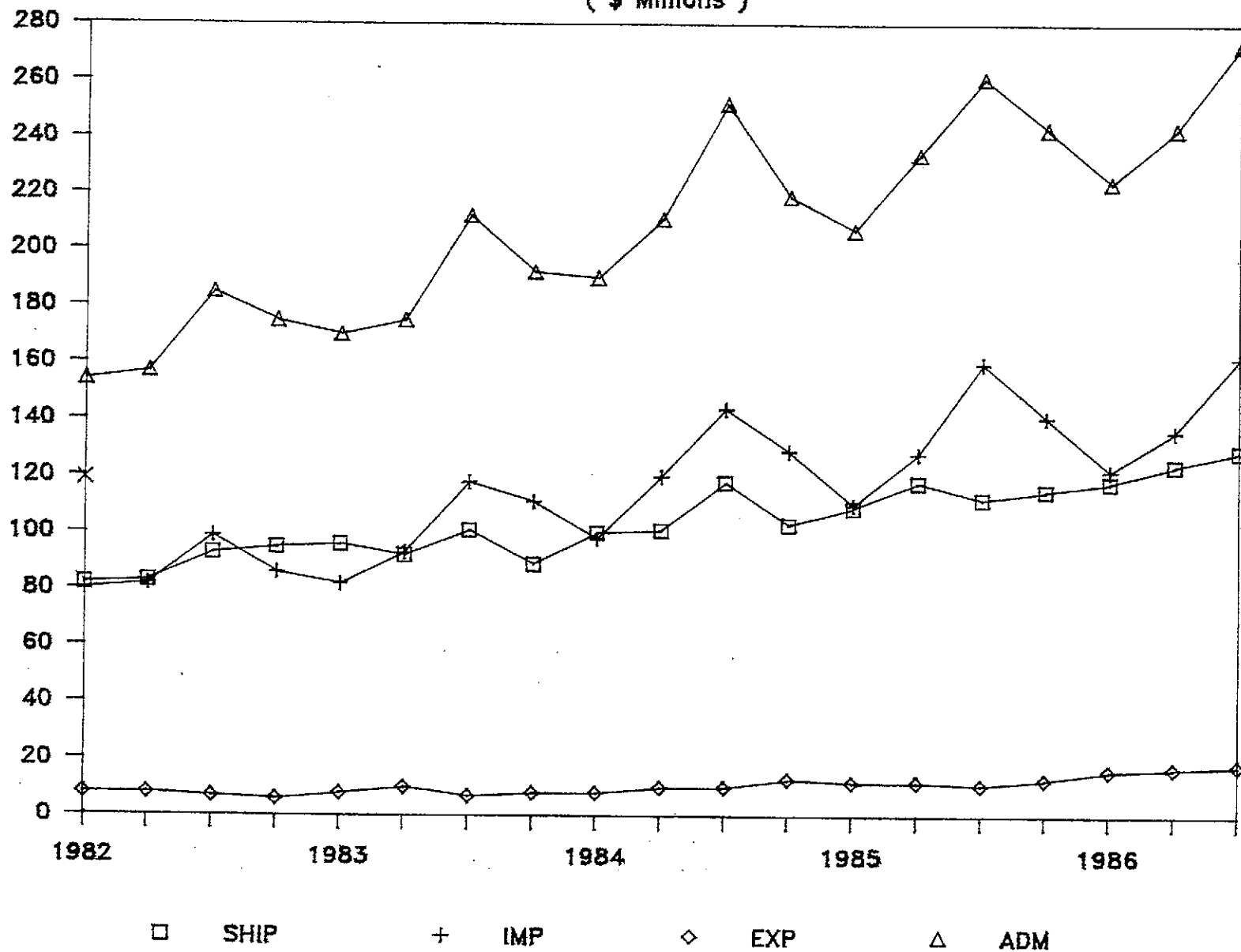
INDUSTRIAL SECTORS

	<u>As At</u> <u>September 1986</u>	<u>As At</u> <u>September 1985</u>
Major Appliances	7 891	7 926
Small Appliances	<u>3 929</u>	<u>3 362</u>
	<u>11 820</u>	<u>11 288</u>

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

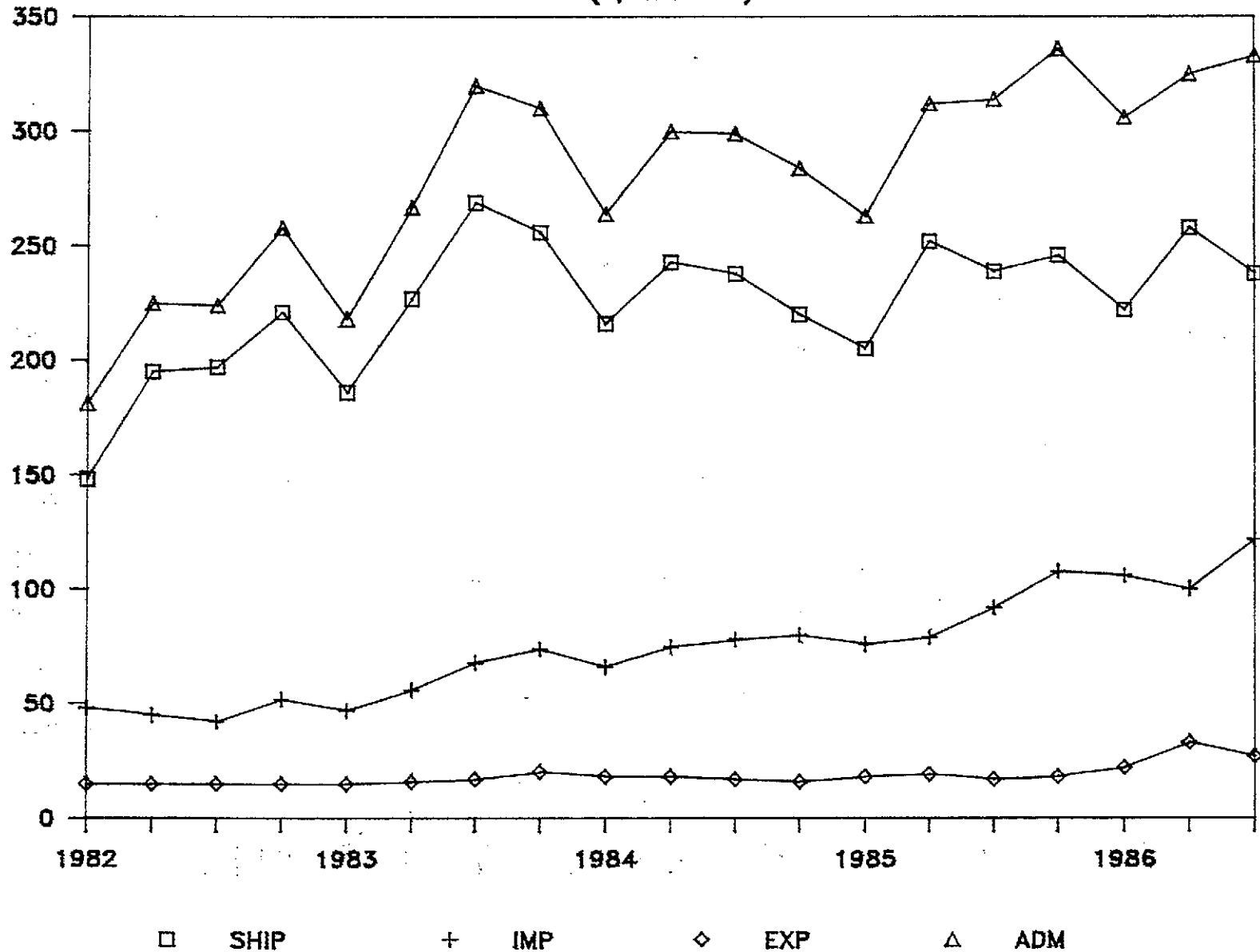
SMALL HHLD. ELECTRICAL APPLIANCES

(\$ Millions)



MAJOR HHLD. ELECTRICAL APPLIANCES

(\$ Millions)



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Electronics Directorate

Electronics and Aerospace Branch (GELA)

Department of Regional Industrial Expansion

