

**COLOR TELEVISION RECIEVERS:
QUARTERLY PROFITS AND CAPACITY
AND CERTAIN ANNUAL EXPENDITURES
OF U.S. PRODUCERS;
QUARTERLY PRICES, ORDERS,
AND INVENTORIES OF
IMPORTERS, 1976, 1977,
1978, 1979, AND 1980**

**Report to the President on
Investigation 332-112 Under
Section 332 of the Tariff Act
of 1930**

**USITC PUBLICATION 1133
MARCH 1981**



UNITED STATES INTERNATIONAL TRADE COMMISSION

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This report was prepared principally by
Ross H. Reynolds, Jr.

assisted by Zarnett Law and Erin Carter

Machinery and Equipment Division

Office of Industries
Norris A. Lynch, Director

Address all communications to
Office of the Secretary
United States International Trade Commission
Washington, D.C. 20436

Highlights

U.S. domestic producers of color television receivers operated at an aggregate net operating profit of \$67.2 million in 1980, representing a ratio of 1.9 percent of net operating profit to net sales. Reported one-shift capacity in color television receiver assembly plants was 12.2 million units. Capital expenditures by U.S. producers for building and leasehold improvements were \$9.3 million for facilities in the United States. Expenditures by U.S. producers for new machinery, equipment, and fixtures were \$53.0 million in the United States and \$14.9 million outside the United States. U.S. producers spent \$73.8 million in 1980 for research and development related to the production or assembly of color television receivers.

Orders filled in 1980 by U.S. importers for imported color television receivers amounted to 818,666 units, valued at \$267.5 million. U.S. importers' yearend inventories in 1980 amounted to 92,813 units, whereas average inventory for the four calendar quarters was 99,028 units. The average unit value of imported 13-inch color television receivers in 1980, as reported by U.S. importers, was \$242.62, and for 18- and 19-inch receivers, \$324.49.

Capsulized Trend Analysis

U.S. producers reported a net operating profit of \$67.2 million in 1980, compared with \$37.0 million in 1979, \$44.7 million in 1978, \$81.0 million in 1977, and \$96.3 million in 1976. This represented a ratio of 1.9 percent of net operating profit to net sales in 1980 compared with 1.2 percent in 1979, 1.5 percent in 1978, 2.8 percent in 1977, and 3.7 percent in 1976.

Annual capacity in 1980 rose by nearly 8 percent over that in 1979, with the greatest increase taking place in the first and fourth quarters of 1980. The reported one-shift industry capacity of 12.2 million units was 14.0 percent above the industry production of 10.7 million units in 1980.

Expenditures in 1980 by U.S. producers for building and leasehold improvements in the United States decreased by 18.8 percent compared with expenditures in 1979; they were below expenditures in 1978 but above those in 1976 and 1977. Purchases of new machinery, equipment, and fixtures for U.S. plants were greater in 1980 than in 1979 and were considerably higher than in 1976, 1977, and 1978.

Importers' orders filled experienced a decrease of 60.5 percent in quantity in 1980 compared with orders in 1979, reflecting the increased U.S. production capacity of foreign-owned firms. Importers' inventories were lower at the end of every quarter in 1980 than at the end of every quarter in 1979. The most significant decline in 1980 occurred at the end of the third quarter, when such inventories decreased by 24.1 percent compared with those in the first quarter. However, inventories at the end of fourth quarter were 9.3 percent higher than at the end of the preceding quarter.

Average unit values reported by U.S. importers indicate different trends for 13-inch and 18- and 19-inch sets. In the 13-inch screen-size category, U.S. importers reported higher average unit prices for receivers in each quarter of 1980, compared with prices in the corresponding quarters of 1979. These increases ranged from \$6.31 to \$31.14. Reported prices for the 18- and 19-inch screen-size categories increased by \$10.37 and \$77.85 in the second and third quarters of 1980, respectively, but decreased by \$4.38 and \$34.50 in the first and fourth quarters, respectively, compared with the corresponding periods of 1979.

Table 1.--Profit-and-loss experience of domestic producers of color television receivers on their color television receiver operations, by calendar quarters, 1976-80

Period	Net sales	Cost of goods solds	Gross profit	General, selling, and administrative expenses	Net operating profit (or loss)	Other expenses net	Net profit or (loss) before taxes	Ratio of net operating profit or (loss) to net sales
				1,000 dollars				Percent
Quarter ended--								
Mar. 31, 1976-----	573,057	486,498	86,559	78,530	8,029	10,051	(2,022)	1.4
June 30, 1976-----	615,471	508,380	107,091	80,193	26,898	27,125	(227)	4.4
Sept. 30, 1976-----	706,524	586,177	120,347	93,205	27,142	10,170	16,972	3.8
Dec. 31, 1976-----	730,376	594,241	136,135	101,953	34,182	12,068	22,114	4.7
Total, 1976-----	2,625,428	2,175,296	450,132	353,881	96,251	59,414	36,837	3.7
Mar. 31, 1977-----	639,778	538,082	101,696	90,254	11,442	8,613	2,829	1.8
June 30, 1977-----	674,009	560,789	113,220	87,495	25,725	8,125	17,600	3.8
Sept. 30, 1977-----	766,505	644,115	122,390	101,204	21,186	***	(***)	2.8
Dec. 31, 1977-----	827,895	684,154	143,741	121,115	22,626	4,942	17,684	2.7
Total, 1977-----	2,908,187	2,427,140	481,047	400,068	80,979	***	***	2.8
Mar. 31, 1978-----	689,958	604,425	85,533	93,817	(8,284)	6,140	(14,424)	(1.2)
June 30, 1978-----	721,500	609,340	112,160	90,877	21,284	10,580	10,704	3.0
Sept. 30, 1978-----	774,178	660,784	113,394	96,686	16,707	16,497	211	2.2
Dec. 31, 1978-----	832,761	703,164	129,597	114,632	14,965	13,087	1,878	1.8
Total, 1978-----	3,018,397	2,577,713	440,684	396,012	44,672	46,304	(1,631)	1.5
Mar. 31, 1979-----	705,482	608,888	96,594	87,593	9,001	14,540	(5,539)	1.3
June 30, 1979-----	728,675	638,652	90,023	84,992	5,031	12,422	(7,391)	0.7
Sept. 30, 1979-----	826,129	719,410	106,719	91,080	15,639	18,028	(2,389)	1.9
Dec. 31, 1979-----	936,238	812,914	123,323	115,955	7,368	16,715	(9,347)	0.8
Total, 1979-----	3,196,524	2,779,864	416,659	379,620	37,039	61,705	(24,666)	1.2
Mar. 31, 1980-----	858,461	749,012	109,449	99,836	9,613	1/	1/	1.1
June 30, 1980-----	804,966	700,063	104,903	88,027	16,876	1/	1/	2.1
Sept. 30, 1980-----	958,204	829,486	128,718	103,228	25,490	1/	1/	2.7
Dec. 31, 1980-----	945,511	809,329	136,182	120,987	15,195	1/	1/	1.6
Total, 1980-----	3,567,142	3,087,890	479,252	412,078	67,174	1/	1/	1.9

1/ This data not requested by the USITC for 1980 because they are non-recurring expenses.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--Asterisks indicate deletion of data which would disclose business confidential operations of individual concerns.

Table 2.--U.S. color television receiver production: Capacity ^{1/}of U.S. color television receiver assembly plants, by calendar quarters 1976-80, and by annual totals, 1976-80

(In thousands of units)										
Year	:	Jan.- Mar.	:	Apr.- June	:	July- Sept.	:	Oct.- Dec.	:	Total
	:		:		:		:		:	
Total Capacity:	:		:		:		:		:	
1976 <u>2/-</u>	:	2,465	:	2,484	:	2,340	:	2,992	:	10,281
1977 <u>2/-</u>	:	2,485	:	2,576	:	2,582	:	2,652	:	10,295
1978 <u>2/-</u>	:	2,603	:	2,719	:	2,466	:	2,618	:	10,406
1979	:	2,898	:	2,812	:	2,594	:	2,955	:	11,259
1980	:	3,058	:	3,092	:	2,936	:	3,084	:	12,170
	:		:		:		:		:	

^{1/} Capacity based on operations of assembly plants 1 shift a day, 5 days a week, assuming no change in product mix.

^{2/} Revised.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 3.—Capital expenditures ^{1/}and research and development costs for facilities and services related to the production or assembly of color television receivers and/or parts thereof, by types of expenditures, 1976-80

(In thousands of dollars)						
Type of expenditure	1976	1977	1978	1979	1980	
Facilities in the United States:						
Land, land improvements-----	1,110	***	***	***	***	***
Building, leasehold improvements-----	9,235	3,889	12,133	11,409	9,266	
Machinery, equipment, and fixtures:						
New ^{2/} -----	29,713	31,865	42,482	43,353	52,965	
Used-----	1	***	***	***	***	***
Other-----	1,043	1,099	***	***	***	***
Facilities outside the United States:						
Land, land improvements-----	***	***	0	***	***	***
Building, leasehold improvements-----	2,596	1,746	1,876	***	3,125	
Machinery, equipment, and fixtures:						
New ^{2/} -----	4,712	7,001	8,733	11,318	14,915	
Used-----	***	658	0	0	0	0
Other-----	0	0	0	0	0	0
Research and development-----	86,288	90,680	112,247	92,959	73,785	

^{1/} Data do not include expenditures for administrative facilities, warehousing, or any other nonmanufacturing or nonassembly facilities.

^{2/} Includes only new machinery not previously employed.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.—Asterisks indicate deletion of data which would disclose confidential operations of individual concerns.

Table 4.--Imported color television receivers: Average unit values, by selected screen-size categories and by quarters, 1976-80

Period	Screen-size category		
	13 inches	16 inches and 17 inches	18 inches and 19 inches
1976:			
January-March-----	***	***	\$325.97
April-June-----	***	***	316.43
July-September-----	\$240.06	***	323.15
October-December-----	252.77	\$312.65	329.35
1977:			
January-March-----	249.47	309.16	325.93
April-June-----	237.86	291.64	328.45
July-September-----	254.85	327.36	339.40
October-December-----	269.38	329.96	353.79
1978:			
January-March-----	241.21	298.67	305.01
April-June-----	235.65	320.15	314.28
July-September-----	242.52	284.65	303.31
October-December-----	278.81	264.61	334.97
1979:			
January-March-----	218.56	259.22	312.38
April-June-----	221.86	311.89	297.65
July-September-----	227.50	278.45	296.15
October-December-----	225.77	262.91	342.50
1980:			
January-March-----	225.19	***	308.34
April-June-----	253.39	***	307.78
July-September-----	253.25	***	373.52
October-December-----	238.66	***	308.31

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--Asterisks indicate deletion of data withheld which would disclose business confidential operations of individual concerns.

Table 5.--Imported complete color television receivers: Orders filled by U.S. importers, 1/ by selected screen-size categories and by calendar quarters, 1976-80

Period	Screen-size category		
	17 inches and under	18 inches and over	Total
Quantity (units)			
1976:			
January-March-----	158,444	186,556	345,000
April-June-----	193,648	198,814	392,462
July-September-----	249,731	340,466	590,197
October-December-----	289,232	457,206	746,438
Total-----	891,055	1,183,042	2,074,097
1977:			
January-March-----	232,525	324,523	557,048
April-June-----	232,487	254,983	487,470
July-September-----	274,627	342,239	616,866
October-December-----	278,655	325,936	604,591
Total-----	1,018,294	1,247,681	2,265,975
1978:			
January-March-----	194,063	205,517	399,580
April-June-----	217,746	156,044	373,790
July-September-----	279,361	252,655	532,016
October-December-----	247,975	217,608	465,583
Total-----	939,145	831,824	1,770,969
Value (1,000 dollars)			
1976:			
January-March-----	42,725	60,811	103,536
April-June-----	52,569	62,910	115,479
July-September-----	65,191	110,020	175,211
October-December-----	77,436	150,581	228,017
Total-----	237,921	384,322	622,243
1977:			
January-March-----	61,630	105,771	167,401
April-June-----	61,195	83,749	144,944
July-September-----	73,761	116,160	189,921
October-December-----	77,209	116,091	193,300
Total-----	273,795	421,771	695,566
1978:			
January-March-----	194,063	205,517	115,371
April-June-----	217,746	156,044	110,219
July-September-----	279,361	252,655	154,019
October-December-----	247,975	217,608	144,168
Total-----	939,145	831,824	523,777

See footnote on following page.

Table 5.--Imported complete color television receivers: Orders filled by U.S. importers, 1/ by selected screen-size categories and by calendar quarters, 1978-80--Continued

Period	Screen-size category		
	17 inches and under	18 inches and over	Total
Quantity (units)			
1979:			
January-March-----	158,444	186,556	345,000
April-June-----	193,648	198,814	392,462
July-September-----	249,731	340,466	590,197
October-December-----	289,232	457,206	746,438
Total-----	891,055	1,183,042	2,074,097
1980:			
January-March-----	118,229	57,501	175,730
April-June-----	119,585	39,579	159,164
July-September-----	187,423	62,344	249,767
October-December-----	178,137	55,868	234,005
Total-----	603,374	215,292	818,666
Value (1,000 dollars)			
1979:			
January-March-----	42,725	60,811	103,536
April-June-----	52,569	62,910	115,479
July-September-----	65,191	110,020	175,211
October-December-----	77,436	150,581	228,017
Total-----	237,921	384,322	622,243
1980:			
January-March-----	34,528	21,286	55,814
April-June-----	37,794	15,501	53,295
July-September-----	56,691	25,953	82,644
October-December-----	54,043	21,668	75,711
Total-----	183,056	84,408	267,464

1/ Does not include imports of U.S. producers which were imported into their manufacturing facilities and other imports accounting for about 30 percent of total U.S. imports in 1980.

Source: Compiled from data submitted in response to questionnaires or the U.S. International Trade Commission.

Table 6.--Imported complete color television receivers: U.S. importers' inventories, by screen-size categories, on specified dates, Dec. 31, 1975-Dec. 31, 1980

(In units)				
Date	Screen-size category			Total
	17 inches and under	18 inches and over		
Dec. 31, 1975-----	110,612	60,808		171,420
Mar. 31, 1976-----	82,960	82,287		165,247
June 30, 1976-----	184,287	198,885		383,172
Sept. 30, 1976-----	219,845	309,390		529,235
Dec. 31, 1976-----	254,706	299,663		554,369
Mar. 31, 1977-----	257,988	268,876		526,864
June 30, 1977-----	280,484	299,145		579,629
Sept. 30, 1977-----	214,868	263,756		478,624
Dec. 31, 1977-----	143,747	143,784		287,531
Mar. 31, 1978-----	143,478	116,143		259,621
June 30, 1978-----	186,673	131,200		317,873
Sept. 30, 1978-----	192,683	134,858		327,541
Dec. 31, 1978-----	151,625	89,871		241,496
Mar. 31, 1979-----	113,802	51,047		164,849
June 30, 1979-----	133,880	47,192		181,072
Sept. 30, 1979-----	126,998	55,979		182,977
Dec. 31, 1979-----	117,971	30,280		148,251
Mar. 31, 1980-----	80,538	31,290		111,828
June 30, 1980-----	67,877	38,690		106,567
Sept. 30, 1980-----	52,812	32,091		84,903
Dec. 31, 1980-----	65,643	27,170		92,813

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

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