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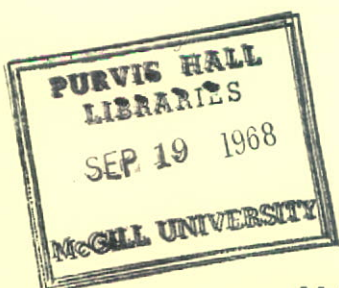


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These Reference Tables are published annually as a statistical review of the Canadian pulp and paper industry, its growth and development, its place in the Canadian economy, and its position in the great world industry of which it forms so significant a part.

For some products, the figures in the Tables differ somewhat from those in the monthly Statistical Bulletin, also published by the Canadian Pulp and Paper Association. One of the reasons is that Dominion Bureau of Statistics grade classifications are slightly different, in a few instances, from those of the Canadian Pulp and Paper Association and the Newsprint Association of Canada. In addition, the monthly Statistical Bulletin does not include statistics for several companies which are not members of CPPA. These companies account for some two per cent of the total pulp and paper output in Canada.

All quantities in the Tables are in short tons of 2,000 pounds and, for wood pulp, are expressed on an air-dry basis.

For the preparation of these tables grateful acknowledgement is made to L. J. Pouliot, formerly chief of the Forestry Section of the Dominion Bureau of Statistics, Ottawa.

Copies of Reference Tables, within a limited number, are available from Canadian Pulp and Paper Association, Sun Life Building, Montreal

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I. The Industry in 1967

1

Production	1967 ¹	1966
	'000 Tons	'000 Tons
Wood pulp	15,772	15,958
Dissolving and special alpha	418	429
Sulphite, paper grades	2,812	3,066
<i>Bleached</i>	829	898
<i>Unbleached</i>	1,983	2,168
Sulphate, paper grades	5,071	4,605
<i>Bleached</i>	2,723	2,440
<i>Semi-bleached</i>	874	723
<i>Unbleached</i>	1,474	1,442
Mechanical	6,972	7,351
Defibrated and exploded	177	175
Other wood pulp	233	226
Screenings	89	105
<i>Chemical</i>	41	49
<i>Mechanical</i>	48	56
Paper and paperboard	11,529	11,611
Newsprint ²	8,358	8,530
Wrapping	475	429
Book and writing	687	650
Tissue and sanitary	227	208
Building papers	85	86
Special industrial papers and wet machine boards	31	27
Paperboard	1,666	1,682
<i>Container board</i>	1,003	961
<i>Boxboard</i>	664	721
Building boards	291	284

1. Preliminary.
2. Dominion Bureau of Statistics classification includes some grades not classed as newsprint by the Newsprint Association of Canada.
Source: 1966: Dominion Bureau of Statistics; 1967: Canadian Pulp and Paper Association estimates.

2

National significance	1967	1966
	\$'000	\$'000
Gross production of pulp and paper mills ¹	2,250,000 ²	2,297,662
Gross national product	62,068,000 ³	58,120,000
Capital expenditures of pulp and paper mills	428,100	506,400
Pulp and paper exports	1,605,539	1,588,106
Total domestic exports	11,111,804	10,070,627
Ratio of pulp and paper exports to total domestic exports	14.45%	15.77%
Pulp and paper exports to United States	1,238,272	1,281,149
Total domestic exports to United States	7,079,396	6,027,722
Ratio of pulp and paper exports to United States to total domestic exports to United States	17.49%	21.25%

1. Value of shipments of goods of own manufacture.
2. Canadian Pulp and Paper Association estimate.
3. Preliminary.
Source: Dominion Bureau of Statistics.

3

Shipments by products	1967	1967	1966	1966
	'000 Tons	%	'000 Tons	%
Wood pulp ¹	5,407	32.48	5,066	30.54
<i>Chemical</i>	5,150	30.94	4,732	28.53
<i>Mechanical and other grades</i>	257	1.54	334	2.01
Paper and board	11,238	67.52	11,521	69.46
<i>Newsprint²</i>	8,071	48.49	8,493	51.20
<i>Paperboard</i>	1,550	9.31	1,516	9.14
<i>Building boards</i>	290	1.74	278	1.68
<i>Book and writing papers</i>	652	3.92	621	3.75
<i>Wrapping papers</i>	458	2.75	413	2.49
<i>Tissue and sanitary papers</i>	115	0.70	105	0.63
<i>Building papers</i>	77	0.46	71	0.43
<i>Special industrial papers and wet machine boards</i>	25	0.15	24	0.14
Total³	16,645	100.00	16,587	100.00

1. Including shipments to subsidiary and affiliated companies.
2. Dominion Bureau of Statistics classification includes some grades not classed as newsprint by the Newsprint Association of Canada.
3. As much of the pulp shipped to Canadian customers and Canadian affiliated mills was utilized in the manufacture of paper and board, there is some duplication in this figure.
Sources: 1966: Dominion Bureau of Statistics; 1967: Canadian Pulp and Paper Association estimates.

4

Shipments by areas	1967	1967	1966	1966
	'000 Tons	%	'000 Tons	%
Used in Canada	4,179 ³	21.10	3,964	23.90
Exported ² to	12,466	74.89	12,623	76.10
<i>United States</i>	9,528	57.24	9,942	59.94
<i>United Kingdom</i>	911	5.47	951	5.73
<i>Western Europe</i>	717	4.31	514	3.10
<i>South America</i>	272	1.64	311	1.87
<i>Japan</i>	360	2.16	281	1.70
<i>Australia and New Zealand</i>	237	1.42	195	1.17
<i>Central America and Antilles</i>	197	1.18	182	1.10
<i>All others</i>	244	1.47	247	1.49
Total¹	16,645³	100.00	16,587	100.00

1. As much of the pulp shipped to Canadian customers and Canadian affiliated mills was utilized in the manufacture of paper and board, there is some duplication in this figure.
2. Excluding paper products for which tonnage not available, valued at \$3,288,000 in 1967 and \$3,037,000 in 1966.
3. Canadian Pulp and Paper Association estimate.
Source: Dominion Bureau of Statistics.

5

Production by provinces	Wood pulp 1967 ¹	Wood pulp 1966	Basic paper and board 1967 ^{1,2}	Basic paper and board 1966 ²
	'000 Tons	'000 Tons	'000 Tons	'000 Tons
Quebec	5,769	6,022	5,200	5,243
Ontario	3,601	3,587	2,873	2,980
British Columbia	3,882	3,669	1,667	1,688
Other Provinces	2,520	2,680	1,789	1,700
Total	15,772	15,958	11,529	11,611

1. Canadian Pulp and Paper Association estimate.
2. Excluding building board.
Source: Dominion Bureau of Statistics.

6

Production ratios	1967	1966
	%	%
Newsprint	87	95
Chemical pulps	85	92
Paperboard	90	91
Other papers	88	86

Note: These ratios represent actual production as a percentage of productive capacity, as estimated by the Canadian Pulp and Paper Association and the Newsprint Association of Canada.

7

Estimated wages paid	1967	1966
	\$'000	\$'000
Mill	515,457 ¹	486,249 ¹
Woods	304,500 ²	292,000 ²
Total	819,957	778,249

1. Dominion Bureau of Statistics.
2. Woodlands Section, Canadian Pulp and Paper Association estimate.

7

Estimated employees	1967	1966
Mill	74,139 ¹	73,501 ¹
Woods, permanent and seasonal	87,000 ²	92,000 ²
Total	161,139	165,501

1. Dominion Bureau of Statistics.
2. Woodlands Section, Canadian Pulp and Paper Association estimate.

8

Pulpwood consumption by provinces	Roundwood 1967	Wood residue 1967	Roundwood 1966	Wood residue 1966
	'000 Cunits	'000 Cunits	'000 Cunits	'000 Cunits
Atlantic Provinces	2,365	319	2,492	324
Quebec	5,822	636	6,044	606
Ontario	3,568	455	3,593	428
Prairie Provinces	495	9	471	10
British Columbia	2,530	3,390	2,490	3,054
Total	14,780	4,809	15,090	4,422

Sources: 1966: Dominion Bureau of Statistics; 1967: Canadian Pulp and Paper Association estimates from DBS preliminary data.

Mill locations 1967 ¹	Pulp mills	Pulp & paper mills	Paper mills	Total
Newfoundland		2		2
Nova Scotia	3	3		6
New Brunswick	5	4	2	11
Quebec	9	37	12	58
Ontario	4	20	12	36
Manitoba		3		3
Saskatchewan		1		1
Alberta	1	2		3
British Columbia	9	7	2	18
Total	31	79	28	138

1. Preliminary.

Source: Dominion Bureau of Statistics.

10

Pulp, paper and paper products exports 1967	Total exports	Total exports	To U.S.A.	To U.S.A.	To United Kingdom	To United Kingdom	To other countries	To other countries
	'000 Tons	\$'000	'000 Tons	\$'000	'000 Tons	\$'000	'000 Tons	\$'000
Pulp	4,269	543,433	2,902	382,446	273	32,318	1,094	128,669
Dissolving and special alpha	351	64,315	265	49,088	21	3,523	66	11,704
Sulphate, paper grades	2,966	375,428	1,924	253,590	171	20,576	871	101,262
<i>Bleached</i>	2,285	302,136	1,567	214,639	127	15,892	591	71,605
<i>Semi-bleached</i>	313	35,844	109	13,272	26	2,874	178	19,698
<i>Unbleached</i>	368	37,448	248	25,679	18	1,810	102	9,959
Sulphite, paper grades	724	88,893	544	68,685	55	6,496	126	13,712
<i>Bleached</i>	522	68,406	450	58,980	21	2,916	51	6,510
<i>Unbleached, strong</i>	194	19,611	94	9,705	28	5,961	72	6,945
<i>Unbleached, news grade</i>	8	876			6	619	3	257
Mechanical	221	14,613	163	10,899	26	1,723	32	1,991
<i>Bleached</i>	3	205	3	205				
<i>Unbleached</i>	218	14,408	160	10,694	26	1,723	32	1,991
Other pulps ¹	6	155	6	155				
Screenings, chemical	1	29	1	29				
Newsprint	7,515	958,576	6,371	817,743	342	44,004	802	96,829
Standard	7,464	955,261	6,340	815,780	336	43,642	787	95,839
Mutilated	52	3,315	30	1,963	6	362	15	990
Other paper, and paper board	675	94,914	254	35,013	295	39,170	126	120,011
Wrapping paper	100	14,992	12	2,917	81	11,088	7	987
<i>Bleached sulphite and sulphate</i>	14	3,175	10	2,418	5	681	3	76
<i>Unbleached sulphite and sulphate</i>	82	11,235	2	428	73	9,937	6	870
<i>Wrapping (n.e.s.)⁴</i>	4	582	2	71	3	470	3	41
Book and writing paper	182	35,516	131	22,670	17	4,106	34	8,740
<i>Groundwood printing (n.e.s.)⁴</i>	117	19,893	96	15,558	7	1,231	14	3,104
<i>Book (n.e.s.)⁴</i>	39	7,676	34	6,397	4	960	1	319
<i>Writing and reproduction</i>	26	7,696	1	715	7	1,876	18	5,105
<i>Fine paper (n.e.s.)⁴</i>	1	251	3	3	3	39	1	212
Paperboard	247	29,341	7	1,146	183	21,386	57	6,809
<i>Liner Board</i>	180	21,573	3	7	141	16,764	40	4,802
<i>Container board (n.e.s.)⁴</i>	53	4,856	3	17	37	3,588	16	1,251
<i>Solid bleached and folding boxboard</i>	5	929	3	3	5	926		
<i>Set-up boxboard (n.e.s.)⁴</i>	4	712	4	705	3	1	3	6
<i>Wet machine board</i>	3	1,134	1	301	3	96	2	737
<i>Paperboard (n.e.s.)⁴</i>	1	137	1	113	3	11	3	13
Building board	40	4,315	32	3,192	5	791	3	332
<i>Rigid insulating board</i>	9	1,233	8	827	1	261	1	145
<i>Hardboard</i>	29	2,988	24	2,328	4	521	1	139
<i>Building board (n.e.s.)⁴</i>	1	94	3	37	3	9	3	48
Building paper	21	1,862	7	795	1	110	13	957
Tissue paper, except sanitary	3	17	3	15			3	2
Sanitary paper	18	4,152	7	1,397	6	1,325	6	1,430
Special industrial paper	1	333	3	1	3	174	3	158
Coated paper, except machine coated	2	750	1	234	3	190	1	326
Waste paper (n.e.s.) ⁴	63	2,916	58	2,646			5	270
Paper products²	7	9,336	2	3,070	1	1,480	5	4,786
Paper bags and multiwall sacks		473		34		8		431
Paper containers and parts (n.e.s.) ⁴		1,677		730		219		728
Wall paper-printed	3	2,774	1	1,531	3	7	1	1,236
Packaged toilet paper	2	753	3	49	3	42	2	662
Notebooks, scribbles and pads		135		2				133
Stationery, paper office supplies, (n.e.s.) ⁴		783		256		44		483
Converted paper (n.e.s.) ⁴	2	2,521	3	308	1	1,157	1	1,056
Paper end products		220		160		3		57
Total	12,466	1,605,539	9,528	1,238,272	911	116,972	2,026	259,295

Note: Because quantities reported in hundredweights have been converted into thousands of tons and values reported in dollars have been rounded into thousands of dollars, breakdowns by grades or countries do not always cross-add.

1. Mechanical screenings included with other pulps since January 1, 1967.

11

Pulpwood consumption, by species	1967	1967	1966	1966
	'000 Cunits	%	'000 Cunits	%
Roundwood	14,780	75.6	15,090	77.3
<i>Spruce and Balsam</i>	10,745	55.0	11,147	57.1
<i>Hemlock</i>	1,400	7.2	1,427	7.3
<i>Jack Pine</i>	1,277	6.5	1,214	6.2
<i>Other softwoods</i>	408	2.1	375	1.9
<i>Poplar, Aspen and Cottonwood</i>	378	1.9	378	1.9
<i>Other hardwoods</i>	572	2.9	549	2.9
Wood residue	4,809	24.4	4,422	22.7
Total	19,589	100.0	19,512	100.0

Sources: 1966 Dominion Bureau of Statistics; 1967: Canadian Pulp and Paper Association estimates from DBS preliminary data.

2. Weight of most paper products is unavailable.

3. Less than 500 tons or \$500.

4. Not elsewhere specified.

Source: Dominion Bureau of Statistics.

II. Forests and Pulpwood

12

Forest extent ¹		Sq. miles
Productive areas	About half of the accessible productive forest area bears trees classified as merchantable (4 inches DBH and over); the remainder is young growth.	959,880
Unproductive areas	Small trees in adverse locations not expected to reach merchantable size.	750,908
Forested areas	All of which, save for 275,800 square miles, lies within the ten provinces.	1,710,788
Total land area		3,560,238

1. Excluding rivers and lakes.
Source: Economics Research Institute, Department of Forestry.

13

Forest holdings ¹	Total	Total	Productive	Productive
	sq. miles	%	sq. miles	%
Occupied forest lands	393,947	23.0	311,811	32.2
Provincial crown	289,892	16.9	218,010	22.7
Leases and licenses	285,812	16.7	214,031	22.3
Permits and sales	4,063	0.2	3,963	0.4
Other lands	17	2	16	2
Federal Crown	8,117	0.5	4,258	0.4
Leases and licenses	365	2	320	2
Other lands	7,752	0.4	3,938	0.4
Privately owned	95,938	5.6	89,613	9.4
Farm woodlots	26,868	1.6	25,274	2.7
Other private lands	69,070	4.0	64,339	6.7
Unoccupied forest lands	1,316,841	77.0	647,968	67.5
Provincial Crown	1,021,470	60.0	563,556	58.7
Federal Crown	295,371	17.0	84,412	8.8
Total forest lands	1,710,788	100.0	959,848	100.0

1. Excluding rivers and lakes.
2. Less than 0.05%.
Source: Economics Research Institute, Department of Forestry.

14

Pulpwood consumption by pulp and paper mills		Roundwood ¹	Roundwood ¹	Wood ² residue	Wood ² residue	Total	Total
		'000 Cunits	\$'000 ³	'000 Cunits	\$'000 ³	'000 Cunits	\$'000 ³
1948		8,900	242,338	139	2,938	9,039	245,276
1949		8,899	240,379	131	2,157	9,031	242,506
1950		9,719	252,664	185	2,842	9,904	255,506
1951		10,739	316,600	276	8,522	11,015	325,122
1952		10,192	334,677	270	8,243	10,462	342,920
1953		10,293	329,087	374	9,476	10,667	338,563
1954		11,034	332,854	569	11,775	11,603	344,629
1955		11,585	340,077	682	15,541	12,267	355,618
1956		11,927	369,263	796	18,883	12,723	388,146
1957		11,362	361,152	928	20,828	12,290	381,980
1958		10,730	338,226	1,057	22,301	11,787	360,527
1959		11,505	349,827	1,237	25,185	12,742	375,012
1960		11,999	361,859	1,518	31,092	13,517	392,950
1961		12,272	365,330	1,787	36,182	14,059	401,512
1962		12,675	368,960	2,064	43,797	14,739	412,757
1963		12,726	371,120	2,509	53,288	15,235	424,408
1964		13,725	402,270	2,975	68,710	16,700	470,980
1965		14,014	415,351	3,657	92,582	17,671	507,933
1966		15,090	472,527	4,422	106,695	19,512	579,222
1967		14,780 ⁴	⁵	4,809 ⁴	⁵	19,589 ⁴	⁵

Note: A cunit equals 100 cubic feet of solid wood, excluding the bark.
1. Whole logs and bolts.
2. Sawmill chips, slabs, edgings, reject lumber, veneer cores and other residue.
3. Sum of values reported by pulp mills for roundwood or wood residue used (delivered price).

15

Forest volume ¹	Conifers	Broad-leaved	Total
	'000,000 cu.ft.	'000,000 cu.ft.	'000,000 cu.ft.
Newfoundland	13,719	577	14,296
Prince Edward Island	175	75	250
Nova Scotia	6,469	3,313	9,782
New Brunswick	11,948	4,923	16,871
Quebec	84,371	23,761	108,132
Ontario	66,654	44,916	111,570
Manitoba	9,725	3,121	12,846
Saskatchewan	10,467	9,704	20,171
Alberta	30,897	24,063	54,960
British Columbia	357,132	19,787	376,919
Yukon Territory	7,386	1,770	9,156
Northwest Territories	10,120	3,909	14,029
Total	609,063	139,919	748,982

1. Estimated stands of merchantable timber
Source: Economics Research Institute, Department of Forestry.

16

Apparent pulpwood production	Roundwood ¹	Wood residue ²
	'000 Cunits	'000 Cunits
1948	10,835	189
1949	10,292	190
1950	11,210	261
1951	13,159	394
1952	12,316	412
1953	11,768	541
1954	12,497	781
1955	13,070	975
1956	13,427	1,094
1957	12,739	1,242
1958	11,699	1,296
1959	12,320	1,447
1960	12,784	1,799
1961	12,998	2,129
1962	13,589	2,415
1963	13,563	2,987
1964	14,678	3,376
1965	15,082	3,953
1966	16,158	4,770
1967	15,639 ³	5,234 ³

1. Whole logs and bolts. Quantity calculated on the basis of consumption plus exports minus imports. This takes no account of inventory changes and includes wood originally intended for use as sawlogs but diverted to pulp mills.
2. Consists chiefly of sawmill chips but also includes slabs, edgings, reject lumber, veneer cores and other residue.
3. Preliminary.
Source: Calculated by Canadian Pulp and Paper Association from Dominion Bureau of Statistics data shown in Tables 14 and 17.

4. Canadian Pulp and Paper Association estimate.
5. Not available.
Source: Dominion Bureau of Statistics.

Pulpwood exports and imports	Export : roundwood ¹	Export : roundwood ¹	Export : wood residue ²	Export : wood residue ²	Export : total	Export : total	Import : roundwood ¹	Import : roundwood ¹
	'000 Cunits	\$'000	'000 Cunits	\$'000	'000 Cunits	\$'000	'000 Cunits	\$'000
1948	2,000	45,573	50 ³	793	2,050	46,366	65	1,254
1949	1,398	30,384	59	933	1,457	31,317	5	65
1950	1,515	33,590	76	1,178	1,591	34,768	24	491
1951	2,460	66,077	118	2,026	2,578	68,103	40	756
1952	2,150	61,837	142	2,983	2,292	64,820	26	559
1953	1,516	42,704	167	3,155	1,683	45,859	41	879
1954	1,552	41,900	212	3,865	1,764	45,766	89	1,657
1955	1,600	43,274	293	5,381	1,893	48,655	115	2,060
1956	1,660	44,206	298	5,588	1,958	49,794	160	2,948
1957	1,530	42,332	314	6,127	1,844	48,459	153	2,859
1958	1,094	29,944	239	4,711	1,333	34,655	125	2,176
1959	941	25,706	210	4,032	1,151	29,737	126	2,711
1960	979	25,840	281	5,347	1,260	31,186	194	3,770
1961	902	27,157	342	6,655	1,244	33,811	176	3,563
1962	1,041	28,597	351	7,135	1,392	35,732	127	2,730
1963	947	25,903	478	10,082	1,424	35,985	110	2,437
1964	1,050	28,489	401	8,335	1,451	36,824	97	2,024
1965	1,158	33,923	296	6,992	1,454	40,916	90	2,057
1966	1,172	32,588	348	8,386	1,520	40,974	104	2,575
1967	988	27,489	425	10,831	1,413	38,320	129	3,521

1. Whole logs and bolts.
2. Pulpwood chips only. Exports reported in tons have been converted to cunits on the basis of two cunits per ton.
3. Estimated.
Source : Dominion Bureau of Statistics.



III. Pulp

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Wood pulp production	Dissolving & special alpha	Sulphite	Sulphate	Mechanical	Defibrated & exploded	Other wood-pulp	Screenings	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1948	341	1,797	815	4,414	66	90	153	7,675
1949	263	1,728	856	4,719	75	86	125	7,853
1950	336	1,875	1,054	4,911	89	103	106	8,473
1951	409	2,136	1,217	5,172	113	137	130	9,315
1952	384	1,994	1,092	5,175	110	106	107	8,968
1953	431	1,968	1,206	5,123	125	126	98	9,077
1954	427	2,181	1,386	5,338	113	126	103	9,673
1955	402	2,415	1,471	5,467	139	155	102	10,151
1956	403	2,561	1,597	5,723	171	184	95	10,734
1957	342	2,397	1,706	5,574	153	172	82	10,425
1958	331	2,143	1,896	5,375	168	157	68	10,137
1959	391	2,130	2,234	5,656	174	173	75	10,832
1960	392	2,292	2,442	5,881	158	224	73	11,461
1961	373	2,415	2,697	5,878	136	208	73	11,779
1962	478	2,406	2,926	5,892	147	217	67	12,133
1963	429	2,566	3,136	5,850	160	247	87	12,474
1964	450	2,872	3,420	6,442	185	290	83	13,742
1965	475	2,924	3,787	6,802	187	313	85	14,573
1966	429	3,066	4,605	7,351	175	226	105	15,958
1967 ¹	418	2,812	5,071	6,972	177	233	89	15,772

1. Canadian Pulp and Paper Association estimates.

Source: Dominion Bureau of Statistics.

19

Wood pulp annual capacity	Dissolving & special alpha	Sulphite bleached	Sulphite unbleached	Sulphate bleached & semi-bleached	Sulphate unbleached	Mechanical ¹	Other ²	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1949	³	778	1,666	426	553	5,352	177	8,952
1950	³	803	1,667	468	558	5,367	156	9,019
1951	³	876	1,674	547	605	5,583	221	9,506
1952	³	944	1,795	604	665	5,824	223	10,055
1953	511	490	1,794	598	656	5,866	221	10,136
1954	542	549	1,733	724	674	6,040	280	10,542
1955	514	589	1,773	734	739	6,177	304	10,830
1956	494	662	1,836	755	922	6,346	304	11,319
1957	518	667	1,925	1,113	929	6,713	333	12,198
1958	513	692	1,980	1,382	967	7,145	365	13,044
1959	507	712	1,970	1,318	1,021	7,176	369	13,073
1960	422	725	1,946	1,457	1,033	7,208	394	13,185
1961	375	828	2,033	1,832	1,076	7,128	330	13,602
1962	438	916	2,083	1,895	1,206	7,296	312	14,146
1963	445	951	2,169	2,097	1,232	7,458	310	14,662
1964	497	1,063	2,199	2,523	1,256	7,580	328	15,446
1965	522	953	2,229	2,879	1,338	7,932	362	16,215
1966	498	961	2,322	3,565	1,576	8,212	354	17,488
1967	492	913	2,384	4,609	1,674	8,545	364	18,981
1968	455	872	2,327	5,537	1,714	8,783	391	20,079

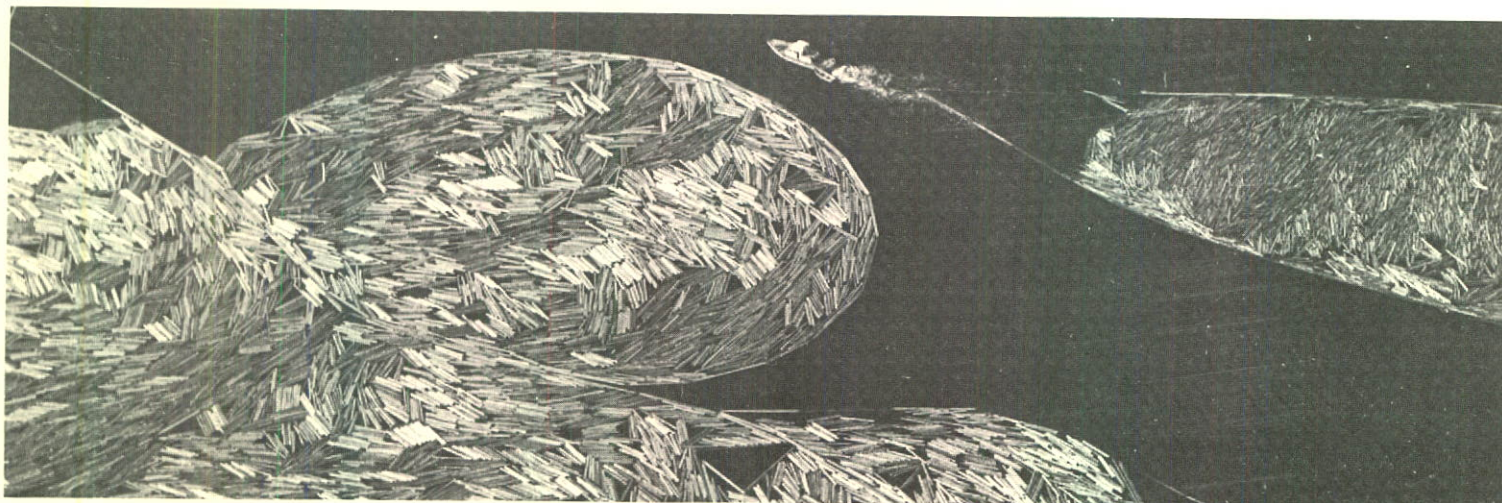
Note: Capacity is the normal maximum productive capacity as at the beginning of each year, plus or minus changes during the year from the date they become effective.

1. Groundwood, Defibrated and Exploded pulp and Groundwood screenings.

2. Soda and Semi-chemical pulps and Chemical screenings prior to 1965; Semi-chemical pulp and Chemical screenings since 1965.

3. Included with Sulphite and Sulphate.

Source: Canadian Pulp and Paper Association.



Wood pulp exports, by grades	Dissolving & special alpha	Sulphite	Sulphate	Mechanical	Other wood pulp ¹	Screenings	All grades	All grades
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1948	309 ²	757	390	297	25	20	1,798	211,465
1949	243 ²	587	470	207	27	14	1,549	170,675
1950	290 ²	679	582	248	33	14	1,846	208,556
1951	363 ²	799	709	323	33	16	2,243	365,133
1952	339 ²	662	645	255	29	11	1,941	291,863
1953	383 ²	590	706	228	35	9	1,950	248,675
1954	369 ²	686	845	232	38	11	2,180	271,418
1955	330 ²	829	892	262	41	12	2,366	297,304
1956	303 ²	818	916 ³	275	45	16	2,374	304,536
1957	275 ²	691	1,016 ³	248	43	10	2,283	292,406
1958	218 ²	579	1,149 ³	233	32	7	2,219	285,449
1959	273 ²	513	1,376 ³	240	38	10	2,450	311,253
1960	242 ²	604	1,466 ³	235	43	11	2,601	325,122
1961	307	634	1,635	236	46	11	2,869	346,661
1962	355	705	1,681	260	34	9	3,044	369,902
1963	372	786	1,883	248	41	8	3,339	405,292
1964	402	885	2,018	286	39	7	3,636	460,854
1965	385	891	2,245	313	13	5	3,853	493,501
1966	364	852	2,615	254	⁴	11	4,096	520,067
1967	351	724	2,966	221	6	1	4,269	543,433

1. Includes soda prior to 1966, mechanical screenings since 1967, and unspecified grades.

2. Sulphite only.

3. Includes sulphate dissolving pulp.

4. Less than 500 tons.

Source : Dominion Bureau of Statistics.

21

Wood pulp exports, by areas	United States	Other America	United Kingdom	Other Europe	Japan	Other Asia	Africa	Australia & New Zealand	All countries
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1948	1,591	10	171	12	2	1		11	1,798
1949	1,305	6	174	50	11	¹		4	1,549
1950	1,694	11	118	11	5	1	1	5	1,846
1951	1,831	32	217	92	62	1	¹	8	2,243
1952	1,589	32	211	65	30	3		11	1,941
1953	1,599	14	215	50	60	7	1	4	1,950
1954	1,670	60	271	101	44	28	2	3	2,180
1955	1,869	43	281	113	37	18	2	3	2,366
1956	1,920	25	244	82	84	13	2	5	2,374
1957	1,847	25	225	75	80	20	2	8	2,283
1958	1,833	38	216	71	22	29	2	9	2,219
1959	1,966	64	217	79	47	59	2	13	2,450
1960	2,000	76	283	129	20	61	1	32	2,601
1961	2,177	152	279	121	21	83	12	25	2,869
1962	2,399	91	252	148	53	76	3	24	3,044
1963	2,506	81	280	208	167	55	4	40	3,339
1964	2,677	82	339	270	180	44	6	39	3,636
1965	2,817	85	347	290	204	31	11	68	3,853
1966	2,978	81	324	344	261	51	13	45	4,096
1967	2,902	91	273	555	317	49	18	64	4,269

1. Less than 500 tons.

Source : Dominion Bureau of Statistics.

22
Canadian wood pulp in U.S. market

	U.S. pulp production	U.S. imports	Imports to production	U.S. imports from Canada	% of total U.S. imports
	'000 Tons	'000 Tons	%	'000 Tons	%
1948	12,872	2,176	16.91	1,601	73.56
1949	12,207	1,763	14.44	1,314	74.52
1950	14,849	2,385	16.06	1,717	71.99
1951	16,524	2,361	14.29	1,877	79.49
1952	16,473	1,941	11.78	1,581	81.45
1953	17,537	2,158	12.30	1,614	74.79
1954	18,302	2,052	11.21	1,679	81.85
1955	20,740	2,213	10.67	1,865	84.25
1956	22,131	2,334	10.55	1,957	83.82
1957	21,800	2,107	9.66	1,840	87.34
1958	21,796	2,102	9.64	1,819	86.56
1959	24,383	2,431	9.97	1,975	81.24
1960	25,316	2,381	9.41	2,032	85.32
1961	26,523	2,467	9.30	2,200	89.17
1962	27,908	2,788	9.99	2,435	87.34
1963	29,439	2,775	9.43	2,532	91.25
1964	31,911	2,942	9.22	2,702	91.82
1965	33,296	3,137	9.42	2,820	89.90
1966	35,636	3,358	9.42	3,013	89.72
1967	35,955	3,165	8.80	2,889	91.28

Source: U.S. Pulp Producers Association.

23
Average value per ton of U.S. pulp imports from Canada

	Dissolving & special alpha ¹	Bleached sulphite paper grades	Unbleached sulphite	Bleached sulphate paper grades ²	Unbleached & semi- bleached sulphate	Mechanical
	U.S. \$	U.S. \$	U.S. \$	U.S. \$	U.S. \$	U.S. \$
1948	152.39	134.01	112.90	146.02	122.82	63.63
1949	149.55	116.03	98.28	123.68	99.47	57.69
1950	149.59	115.54	93.01	122.44	92.31	55.74
1951	176.89	152.79	129.97	167.50	148.42	81.06
1952	182.13	148.44	135.01	160.05	132.24	76.80
1953	181.17	134.55	111.17	135.82	106.36	73.36
1954	176.42	133.86	108.00	133.39	109.53	74.20
1955	177.46	136.13	114.23	138.74	113.13	74.47
1956	178.28	142.17	118.27	142.71	115.73	75.61
1957	187.70	147.66	122.06	144.65	109.02	74.67
1958	180.07	150.84	124.74	144.26	103.20	74.60
1959	186.22	147.72	126.51	145.20	102.76	74.54
1960	172.34	141.65	115.77	140.66	109.42	74.77
1961	156.16	136.71	110.18	132.48	117.70	73.58
1962	159.68	126.57	107.27	128.10	111.93	69.66
1963	163.11	122.54	105.38	128.49	116.75	66.29
1964	169.34	128.91	108.54	135.71	124.60	69.51
1965	173.48	131.84	109.63	137.12	124.24	70.75
1966	170.37	131.55	107.11	134.21	121.39	73.63
1967	177.64	132.58	107.61	129.87	119.78	73.02

1. Sulphite only prior to 1955; Sulphite and Sulphate from 1955.

2. Includes dissolving and special chemical grades of sulphate prior to 1955.

Source: United States Pulp Producers Association.

Wood pulp imports

	Dissolving & special alpha ¹	Sulphite	Sulphate	Mechanical	Other wood pulp	Total	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	\$'000
1948		31	2	2		33	3,800
1949		33	2	2	2	35	3,617
1950		33	2	1	2	37	3,692
1951		31	4	2	2	36	4,546
1952		35	5	15		55	4,499
1953		33	7	3		43	5,100
1954		36	12	4		52	5,850
1955		47	13	2		60	6,989
1956		51	13			64	8,117
1957		47	18			65	8,345
1958		35	19	2		54	7,346
1959		40	25			65	8,967
1960		47	17	2		64	8,657
1961		48	13	2		62	8,404
1962		53	10			63	8,962
1963		61	13			74	10,264
1964	22	41	11		2	75	10,440
1965	28	39	24		3	94	13,296
1966	16	25	16		1	58	8,042
1967	16	6	13		1	36	5,122

1. Included with bleached sulphite prior to 1964.

2. Less than 500 tons.

Source : Dominion Bureau of Statistics.

Sulphite pulp, paper grades

	Production	Exports	Exports
	'000 Tons	'000 Tons	\$'000
Bleached			
1957	584	398	53,601
1958	536	361	49,434
1959	507	333	45,832
1960	572	434	57,608
1961	684	444	55,510
1962	717	501	61,702
1963	847	568	67,904
1964	958	627	79,831
1965	900	628	81,977
1966	898	605	78,989
1967	829 ¹	522	68,406
Unbleached			
1957	1,812	294	35,686
1958	1,607	218	27,137
1959	1,623	180	22,029
1960	1,719	170	19,744
1961	1,731	190	21,153
1962	1,689	204	22,456
1963	1,719	219	22,956
1964	1,914	258	26,959
1965	2,024	263	27,924
1966	2,168	209	20,933
1967	1,983 ¹	202	20,487
Total			
1957	2,397	691	89,287
1958	2,143	579	76,570
1959	2,130	513	67,861
1960	2,292	604	77,352
1961	2,415	634	76,663
1962	2,406	705	84,157
1963	2,566	786	90,860
1964	2,872	885	109,790
1965	2,924	891	109,901
1966	3,066	852	103,963
1967	2,812 ¹	724	88,893

1. Canadian Pulp and Paper Association estimate.

Source : Dominion Bureau of Statistics.



26

Sulphate pulp, paper grades	Production	Exports	Exports
	'000 Tons	'000 Tons	\$'000
Bleached			
1957	799	749 ^{1,2}	103,274 ^{1,2}
1958	909	900 ^{1,2}	124,423 ^{1,2}
1959	1,061	909 ¹	126,511 ¹
1960	1,171	980 ¹	134,792 ¹
1961	1,293	1,060	139,551
1962	1,413	1,147	149,000
1963	1,624	1,375	176,289
1964	1,825	1,505	204,225
1965	1,904	1,655	227,462
1966	2,440	1,987	266,352
1967	2,723 ³	2,285	302,136
Semi-bleached			
1957	115	4 ⁴	4 ⁴
1958	173	4 ⁴	4 ⁴
1959	242	150	17,035
1960	284	140	16,013
1961	323	161	17,439
1962	421	184	19,736
1963	396	152	17,175
1964	621	192	22,647
1965	624	223	26,602
1966	723	234	27,420
1967	874 ³	313	35,844
Unbleached			
1957	791	267	26,757
1958	814	248	24,295
1959	931	317	29,011
1960	987	346	21,839
1961	1,081	413	38,833
1962	1,092	350	33,286
1963	1,115	356	34,201
1964	974	321	32,289
1965	1,259	367	37,448
1966	1,442	394	39,471
1967	1,474 ³	368	37,448
Total			
1957	1,706	1,016 ¹	130,032
1958	1,896	1,149 ¹	148,723
1959	2,234	1,376 ¹	172,557
1960	2,442	1,466 ¹	182,644
1961	2,697	1,635	195,822
1962	2,926	1,681	202,022
1963	3,136	1,883	227,666
1964	3,420	2,018	259,162
1965	3,787	2,245	291,412
1966	4,605	2,615	333,243
1967	5,071 ³	2,966	375,428

1. Includes sulphate dissolving pulp.

2. Includes semi-bleached.

3. Canadian Pulp and Paper Association estimate.

4. Not available.

Source: Dominion Bureau of Statistics.

27

Dissolving and special alpha pulps (sulphite and sulphate)	Production	Exports	Exports
	'000 Tons	'000 Tons	\$'000
1957	342	275 ¹	49,217
1958	331	218 ¹	39,024
1959	391	273 ¹	48,429
1960	392	242 ¹	42,708
1961	373	307	51,956
1962	478	355	61,344
1963	429	372	64,485
1964	450	402	71,123
1965	475	385	69,547
1966	429	364	65,034
1967	418 ²	351	64,315

1. Sulphite only.

2. Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

28

Mechanical pulp	Production	Exports	Exports
	'000 Tons	'000 Tons	\$'000
Bleached			
1957	50	35	2,508
1958	94	15	1,107
1959	274	13	1,004
1960	327	13	991
1961	354	17	1,406
1962	380	23	1,812
1963	543	18	1,436
1964	449	13	1,041
1965	747	8	596
1966	²	6	453
1967	²	3	205
Unbleached			
1957	5,525	213	15,058
1958	5,281	217	15,088
1959	5,381	228	15,657
1960	5,553	223	15,358
1961	5,525	218	14,576
1962	5,511	237	15,886
1963	5,306	229	15,398
1964	5,993	272	12,256
1965	6,055	306	20,147
1966	²	248	16,807
1967	²	218	14,408
Total			
1958	5,375	233	16,195
1959	5,656	240	16,661
1960	5,881	235	16,348
1961	5,878	236	15,982
1962	5,892	260	17,698
1963	5,850	248	16,833
1964	6,442	286	18,528
1965	6,802	313	20,743
1966	7,351	254	17,260
1967	6,972 ¹	221	14,613

1. Canadian Pulp and Paper Association estimate.

2. Not available.

Source: Dominion Bureau of Statistics.

Consumption in Canada of wood pulp for paper, paperboard, and other board production, by sources

	Sulphite	Sulphate	Mechanical	Screenings	Defibrated & exploded	Other wood-pulp	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
Own pulp from same mill							
1952	1,160	410	4,845	68	110	67	6,661
1953	1,193	438	4,844	60	125	83	6,744
1954	1,274	458	5,058	66	113	78	7,048
1955	1,379	475	5,157	65	139	100	7,315
1956	1,534	585	5,377	56	171	118	7,840
1957	1,507	573	5,285	51	152	106	7,674
1958	1,386	640	5,113	43	168	101	7,450
1959	1,452	730	5,376	49	174	114	7,894
1960	1,587	803	5,608	46	158	168	8,370
1961	1,600	842	5,614	45	125	163	8,389
1962	1,542	934	5,603	35	147	161	8,422
1963	1,548	997	5,554	43	160	183	8,484
1964	1,739	1,018	6,107	43	184	213	9,304
1965	1,801	1,142	6,463	51	187	227	9,872
1966	1,952	1,384	7,026	82	175	226	10,845
1967	1,912 ²	1,595 ²	6,988 ²	45 ²	177 ²	226 ²	10,943 ²

Own pulp from other mills

1952	131	16	49	17		3	216
1953	146	23	9	17		4	199
1954	152	24	8	17		3	205
1955	167	30	8	18		5	229
1956	155	30	20	17		6	228
1957	146 ³	28	12	10		6	202
1958	115 ³	22	8	5		3	152
1959	136 ³	22	5	6		2	171
1960	136 ³	24	5	4		2	170
1961	133 ³	32	2	10		2	179
1962	148 ³	90	4	9		6	256
1963	156 ³	134	6	12		7	314
1964	161 ³	170	6	13		9	358
1965	168 ³	167	5	12		9	361
1966	136 ³	192	7	11		2	348
1967	63 ^{2,3}	209 ²	11 ²	10 ²		3 ²	297 ²

Purchased pulp

1952	74	46	33	10	1	12	176
1953	81	53	50	11	1	10	204
1954	79	73	28	12		12	204
1955	99	86	48	8		14	256
1956	113	88	42	6		22	271
1957	109	100	30	7	2	18	267
1958	116 ³	111	15	10	3	24	279
1959	102 ³	137	16	9	7	29	302
1960	94 ³	141	12	1	8	28	293
1961	99 ³	158	11	10		28	306
1962	96 ³	179	14	8		28	325
1963	94 ³	179	15	6		28	322
1964	110 ³	212	23	7		31	382
1965	109 ³	272	28	8		29	446
1966	144 ³	330	20	7		5	506
1967	138 ^{2,3}	319 ²	24 ²	23 ²		10 ²	514 ²

1. Less than 500 tons.

2. Canadian Pulp and Paper Association estimate.

3. Includes dissolving and special alpha (sulphite and sulphate).
Source: Dominion Bureau of Statistics.
Consumption in Canada of wood pulp for paper, paperboard, and other board production, by kinds

	Sulphite	Sulphate	Mechanical	Screenings	Defibrated & exploded	Other wood-pulp	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1952	1,365	472	4,929	96	110	82	7,053
1953	1,420	514	4,903	87	125	97	7,147
1954	1,505	555	5,094	96	113	94	7,456
1955	1,646	591	5,214	92	139	119	7,800
1956	1,801	703	5,439	79	171	146	8,339
1957	1,762 ¹	702	5,327	67	155	130	8,143
1958	1,617 ¹	772	5,136	58	171	127	7,882
1959	1,690 ¹	889	5,398	64	181	145	8,367
1960	1,817 ¹	968	5,625	59	166	198	8,833
1961	1,832 ¹	1,032	5,628	64	125	193	8,874
1962	1,786 ¹	1,203	5,621	52	147	195	9,004
1963	1,798 ¹	1,310	5,574	62	160	217	9,120
1964	2,009 ¹	1,400	6,136	63	184	252	10,045
1965	2,078 ¹	1,581	6,497	71	187	266	10,679
1966	2,232 ¹	1,906	7,053	100	175	233	11,699
1967	2,114 ^{1,2}	2,123 ²	7,023 ²	78 ²	177 ²	239 ²	11,753 ²

1. Includes dissolving and special alpha (sulphite and sulphate).

2. Canadian Paper and Pulp Association estimate.

Source: Dominion Bureau of Statistics.

IV. Newsprint

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Newsprint capacity, production and shipments

	Annual capacity	Annual production	Oper. ratio	Shipments to U.S.A.	Shipments overseas	Total exports	Shipments in Canada	Total shipments
	'000 Tons	'000 Tons	%	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1948	4,833	4,983	102.0	4,128	533	4,661	306	4,967
1949	5,113	5,176	101.2	4,380	449	4,829	335	5,164
1950	5,227	5,279	101.0	4,748	208	4,956	355	5,311
1951	5,360	5,516	102.9	4,784	360	5,144	360	5,504
1952	5,510	5,687	103.2	4,835	463	5,298	369	5,666
1953	5,723	5,721	100.0	4,861	473	5,334	398	5,733
1954	5,920	5,984	101.1	4,875	675	5,550	421	5,970
1955	6,064	6,191	102.1	5,070	735	5,805	430	6,236
1956	6,243	6,469	103.6	5,230	742	5,972	477	6,449
1957	6,756	6,397	94.7	5,055	853	5,907	457	6,364
1958	7,239	6,096	84.2	4,827	782	5,609	434	6,043
1959	7,521	6,394	85.0	5,118	835	5,953	473	6,425
1960	7,611	6,739	88.5	5,279	986	6,265	487	6,752
1961	7,734	6,735	87.1	5,227	989	6,216	492	6,707
1962	7,844	6,691	85.3	5,229	941	6,169	511	6,680
1963	8,055	6,630	82.3	5,180	920	6,100	523	6,622
1964	8,274	7,301	88.2	5,648	1,111	6,759	550	7,310
1965	8,421	7,720	91.7	6,093	1,063	7,157	590	7,747
1966	8,878	8,419	94.8	6,610	1,154	7,764	620	8,385
1967	9,294	8,051	86.6	6,263	1,067	7,330	638	7,968

Capacity is shown as at the beginning of each year plus allowances for new machines from the date they are expected to operate. It is possible for production to exceed capacity

partly because no allowance is made for improvements in equipment during the year. Source: Newsprint Association of Canada.

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Daily capacity and production

	Number of work days	Capacity per day	Production per day
		Tons	Tons
1948	309	15,803	16,126
1949	308	16,601	16,806
1950	307	17,025	17,194
1951	308	17,402	17,910
1952	309	17,833	18,405
1953	308	18,580	18,576
1954	311	19,030	19,306
1955	310	19,559	19,963
1956	310	20,115	20,890
1957	311	21,701	20,614
1958	312	23,175	19,559
1959	311	24,162	20,545
1960	313	24,339	21,544
1961	315	24,559	21,408
1962	317	24,709	21,078
1963	319	25,240	20,777
1964	320	25,872	22,830
1965	315	26,742	24,261
1966	337	26,370	25,053
1967	343	27,057	23,355

Because of variations in the number of workdays, daily capacity provides the most accurate measurement of changes in capacity. Source: Newsprint Association of Canada.

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Value of newsprint production and exports

	Production	Exports
	\$'000	\$'000
1948	402,100	383,123
1949	467,976	440,054
1950	506,968	485,746
1951	564,361	536,372
1952	600,516	591,790
1953	633,408	619,033
1954	657,487	635,670
1955	688,338	665,877
1956	735,644	708,385
1957	729,009	715,490
1958	699,906	690,209
1959	730,455	722,271
1960	783,364	757,930
1961	809,602	761,313
1962	821,380	753,060
1963	811,311	759,990
1964	887,908	834,646
1965	927,832	869,586
1966	1,025,048	968,224
1967	1,003,816 ¹	955,261

1. Canadian Pulp and Paper Association estimate. Source: Dominion Bureau of Statistics.

Newsprint shipments overseas

	British Isles	Central & South America	Western Europe	Africa & Mediterranean area	India & Orient	Australia New Zealand & Fiji
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1948	123	207	8	51	64	78
1949	126	140	10	56	42	74
1950	28	105	3	11	27	33
1951	103	132	20	24	43	38
1952	136	163	10	42	36	76
1953	190	158	4	28	44	48
1954	273	186	54	32	52	77
1955	307	167	70	40	52	99
1956	355	192	34	45	41	74
1957	396	240	34	53	47	83
1958	394	202	26	54	26	80
1959	415	207	6	65	39	102
1960	479	235	15	73	22	162
1961	459	272	23	58	30	147
1962	498	233	10	43	47	110
1963	458	245	24	45	66	82
1964	481	261	18	67	154	130
1965	390	324	61	59	107	122
1966	386	389	83	17	133	146
1967	345	348	81	7	155	131

Source: Newsprint Association of Canada.

Newsprint and total Canadian exports to United States

	Newsprint exports to U.S. \$'000,000	Total exports to U.S. \$'000,000	Newsprint % of total
1948	342.8	1,501.0	22.8
1949	396.4	1,510.1	26.2
1950	465.3	2,021.0	23.0
1951	496.9	2,297.7	21.6
1952	534.4	2,307.0	23.2
1953	564.5	2,418.9	23.3
1954	558.6	2,317.2	24.1
1955	578.3	2,559.3	22.6
1956	615.9	2,818.7	21.9
1957	610.3	2,867.6	21.3
1958	590.2	2,828.6	20.9
1959	515.0	3,083.2	19.9
1960	631.2	2,932.2	21.5
1961	629.8	3,107.2	20.3
1962	633.0	3,608.4	17.5
1963	636.1	3,766.4	16.9
1964	689.4	4,271.0	16.1
1965	735.6	4,840.5	15.2
1966	823.7	6,027.7	13.7
1967	815.8	7,079.4	11.5

Source: Dominion Bureau of Statistics.

Value of newsprint and total pulp and paper production

	Newsprint production \$'000,000	Total production \$'000,000	Newsprint % of total
1948	402.1	825.9	48.7
1949	468.0	836.1	56.0
1950	507.0	954.1	53.1
1951	564.4	1,237.9	45.6
1952	600.5	1,157.9	51.9
1953	633.4	1,179.7	53.7
1954	657.5	1,241.6	53.0
1955	688.3	1,326.9	51.9
1956	735.6	1,465.1	50.2
1957	729.0	1,419.3	51.5
1958	699.9	1,398.3	50.1
1959	730.4	1,502.3	48.6
1960	783.4	1,583.1	49.5
1961	809.6	1,634.6	49.5
1962	821.4	1,720.0	47.8
1963	811.3	1,790.6	45.3
1964	887.9	1,987.6	44.7
1965	927.8	2,104.4	44.0
1966	1,025.0	2,297.7	44.6

Source: Dominion Bureau of Statistics.

U.S.: prices and price indexes

	Canadian newsprint U.S. dollars	Newsprint index 1926 = 100	U.S. dollars in Canada
1948	97.67	139.5	1.0025
1949	100.00	142.9	1.0308
1950	101.00	144.3	1.0982
1951	111.00	158.6	1.0528
1952	121.00	172.9	0.9789
1953	126.00	180.0	0.9834
1954	126.00	180.0	0.9732
1955	126.00	180.0	0.9863
1956	130.00	185.7	0.9841
1957	133.00	190.0	0.9588
1958	134.00	191.0	0.9706
1959	134.00	191.0	0.9590
1960	134.00	191.0	0.9697
1961	134.00	191.0	1.0132
1962	134.00	191.0	1.0689
1963	134.00	191.0	1.0785
1964	134.00	191.0	1.0786
1965	134.00	191.0	1.0780
1966	136.92	195.6	1.0773
1967	140.50	200.7	1.0787

Newsprint Prices: Annual Average, Delivered at New York.
Source Exchange Rates: Federal Reserve System; Bank of Canada.

U.S. newsprint industry	Capacity '000 Tons	Production '000 Tons	Shipments to U.S.A. '000 Tons	Shipments overseas '000 Tons	Total shipments '000 Tons
1948	850	867	858	9	867
1949	876	900	884	14	898
1950	992	1,015	1,002	15	1,017
1951	1,050	1,125	1,108	18	1,125
1952	1,165	1,147	1,076	67	1,143
1953	1,170	1,084	1,057	30	1,088
1954	1,280	1,211	1,121	92	1,213
1955	1,409	1,552	1,374	177	1,550
1956	1,625	1,717	1,583	133	1,715
1957	1,921	1,826	1,698	118	1,817
1958	2,100	1,758	1,676	85	1,761
1959	2,390	1,964	1,909	53	1,963
1960	2,399	2,038	1,954	77	2,031
1961	2,376	2,094	1,965	122	2,086
1962	2,471	2,154	2,086	76	2,162
1963	2,461	2,218	2,099	109	2,208
1964	2,469	2,261	2,170	104	2,273
1965	2,497	2,180	2,118	65	2,183
1966	2,647	2,408	2,339	66	2,405
1967	3,024	2,620	2,523	79	2,602

These figures are compiled from U.S. mill reports and shipments to overseas show only exports direct from mills. They do not include tonnage delivered to U.S. buyers and subsequently resold for export, such as tonnage being included in shipments to U.S.A. Exports as reported by U.S. Department of Commerce are thus higher than mill reports; in 1967, the Department showed exports of 89,000 tons versus 79,000 tons reported by the mills.

Source: Newsprint Service Bureau.

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U.S. newsprint consumption and stocks

	Consumption ANPA '000 Tons	Consumption total '000 Tons	Consumption per capita Lbs.	Consumers' stocks ¹ ANPA '000 Tons	Consumers' stocks ¹ total '000 Tons
1948	4,010	5,141	70.1	458	619
1949	4,257	5,529	74.1	446	609
1950	4,542	5,937	78.3	425	593
1951	4,511	5,975	77.4	522	716
1952	4,551	5,988	76.3	612	821
1953	4,669	6,143	76.9	552	751
1954	4,684	6,163	75.9	516	722
1955	5,045	6,638	80.3	458	673
1956	5,209	6,899	82.1	636	898
1957	5,149	6,865	80.2	675	940
1958	4,950	6,644	76.3	652	907
1959	5,328	7,151	81.0	659	907
1960	5,532	7,426	82.2	628	861
1961	5,461	7,380	80.4	584	827
1962	5,577	7,486	80.3	604	841
1963	5,585	7,547	79.8	545	762
1964	6,031	8,042	83.7	585	798
1965	6,387	8,460	87.0	573	805
1966	6,898	9,077	92.2	681	951
1967	6,907	9,149	91.9	630	871

Note: U.S. total consumption is based on consumption reported by the American Newspaper Publishers Association group. For each year the percentage of total U.S. supply taken by this group is assumed to represent the percentage of total consumption consumed by the group. Total U.S. consumption is obtained by extending ANPA consumption by this percentage to 100. Total consumers' stocks at the beginning of each year plus supplies received less total consumption equals stocks at the end of the year.

1. End of each year.

Source: Newsprint Association of Canada.

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Sources of U.S. newsprint supply	Canada '000 Tons	U.S.A. '000 Tons	Europe '000 Tons	Total '000 Tons
1948	4,128	858	267	5,253
1949	4,380	884	255	5,519
1950	4,748	1,002	171	5,921
1951	4,784	1,108	206	6,097
1952	4,835	1,075	183	6,093
1953	4,861	1,057	164	6,083
1954	4,875	1,121	128	6,124
1955	5,070	1,374	146	6,589
1956	5,230	1,583	311	7,124
1957	5,055	1,698	155	6,908
1958	4,827	1,576	109	6,611
1959	5,118	1,909	124	7,151
1960	5,279	1,954	147	7,379
1961	5,227	1,965	155	7,346
1962	5,229	2,086	186	7,500
1963	5,180	2,099	189	7,468
1964	5,648	2,170	260	8,078
1965	6,093	2,118	255	8,466
1966	6,610	2,339	274	9,223
1967	6,263	2,523	283	9,069

Source: All figures for supply from Europe are compiled from U.S. Department of Commerce reports; and from Canada and U.S. are compiled from reports to the Newsprint Association of Canada and the American Paper Institute respectively of mill shipments. Trade Association and government figures are not strictly comparable because of time lag between shipments and arrival dates and minor differences of newsprint definition.

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Consumption by larger newspapers

	1967 '000 Tons	1966 '000 Tons
Canada		
Calgary Herald	12	11
Edmonton Journal	17 ¹	17
Halifax Chronicle, Herald & Mail Star	9	10
Hamilton Spectator	15 ¹	16
London Free Press	15	16
Montreal Gazette	14	14
Montreal La Presse	36	33
Montreal Star	31	30
Ottawa Citizen	9 ¹	10
Quebec Le Soleil, L'Événement	16 ²	16
Toronto Globe & Mail	30	29
Toronto Star	77	73
Toronto Telegram	41	39
Vancouver Sun & Province	45	46
Winnipeg Tribune	8 ¹	8
United States		
Atlanta Journal & Constitution	95	95
Chicago American	53	51
Chicago Sun Times & Daily News	157	158
Chicago Tribune	233	240
Cleveland Plain Dealer	94	96
Detroit News	148 ³	169
Los Angeles Times	322	333
Louisville Courier, Journal & Times	81	80
Miami Herald	115	108
Milwaukee Journal & Sentinel	118	118
New York News	329	321
New York Times	369	340
Philadelphia Inquirer	133	134
St. Louis Post-Dispatch	88	89
Washington Post	142	140

1. Weekend Magazine dropped in 1967.

2. Morning Paper, L'Événement, discontinued publication in March.

3. Curtailed by strike.

Source: Newsprint Association of Canada. Figures supplied by the individual newspapers. Most of the consumption figures include newsprint used in weekend supplements and comics.

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Paperboard production	Container board liner board	Container board corrugating ¹	Container board total	Boxboard folding board	Boxboard non-folding board	Boxboard solid bleached board	Boxboard other	Boxboard total	Total paperboard
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1948	185	136	320	155	49		183	387	707
1949	185	137	322	143	46		175	363	685
1950	214	152	366	158	48	3	200	405	771
1951	223	159	382	172	49	3	217	439	820
1952	219	134	354	156	43	3	191	390	743
1953	237	149	386	169	48	3	201	418	804
1954	244	135	379	175	46	3	199	420	799
1955	259	158	417	186	48	3	211	445	861
1956	330	172	502	216	48	3	212	476	978
1957	309	163	473	215	46	3	192	453	926
1958	318	181	499	237	61	3	183	481	980
1959	355	185	540	241	72	3	180	494	1,033
1960	376	208	583	233	65	14	165	476	1,060
1961	393	202	595	230	72	16	144	462	1,057
1962	441	224	665	247	79	17	160	503	1,168
1963	511	227	738	280	78	21	173	553	1,290
1964	522	240	762	247	92	86	229	654	1,416
1965	595	251	845	265	104	89	237	694	1,539
1966	677	284	961	278	112	103	227	721	1,682
1967 ²	707	296	1,003	259	120	122	162	664	1,666

1. Includes Container Chipboard.
 2. Canadian Pulp and Paper Association estimates.
 3. Included with folding board.
 Source : Dominion Bureau of Statistics.

43

Production, other papers and boards	Wrapping papers	Book & writing papers ¹	Tissue & sanitary papers	Building papers	Building boards ²	Wet machine boards ³	Special industrial papers
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1948	207	232	70	88	110		9
1949	196	199	68	83	105	7	9
1950	223	214	77	92	97	9	10
1951	257	253	90	92	131	9	12
1952	223	225	80	82	123	8	11
1953	238	247	87	91	137	8	10
1954	250	269	95	85	134	7	9
1955	264	301	107	96	158	8	8
1956	288	342	119	92	187	8	7
1957	277	335	123	82	180	9	7
1958	293	345	128	90	202	7	6
1959	330	382	140	85	215	7	7
1960	321	404	149	77	210	7	6
1961	327	420	157	74	221 ⁵	9	7
1962	333	435	169	89	210 ⁵	10	8
1963	341	465	201	90	219	4	16
1964	346	495	196	94	291	4	16
1965	366	534	193	88	297	4	20
1966	429	650	208	86	284	4	27
1967	475 ⁵	687 ⁵	227 ⁵	85 ⁵	291 ⁵	4	31 ⁵

1. Groundwood printing and specialty papers (containing more than 50% groundwood) ; book paper (including printing papers with 50% or less groundwood) ; fine papers ; and miscellaneous fine papers.
 2. Reported in pulp and paper industry only. Wood pulp board used in paper-converting plants to produce laminated building boards is reported by pulp and paper mills as "other boxboard".

3. Prior to 1949 some producers of wet machine board were classed in another industry.
 4. Included with special industrial papers.
 5. Canadian Pulp and Paper Association estimate.
 Source : Dominion Bureau of Statistics.

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Exports of paper (except newsprint) and paperboard, by areas	United States	United States	United Kingdom	United Kingdom	Other countries	Other countries	All countries	All countries
	'000 Tons	\$'000	'000 Tons	\$'000	'000 Tons	\$'000	'000 Tons	\$'000
1960	111	12,559	131	16,036	33	6,369	275	34,964
1961	107	12,074	129	16,608	50	9,269	286	37,951
1962	130	13,887	155	21,404	43	8,423	328	43,714
1963	150	16,566	185	25,564	50	8,824	385	50,954
1964	172	19,640	191	27,898	79	12,628	443	60,166
1965	224	26,726	189	25,595	83	13,925	497	66,250
1966	275	34,931	241	32,952	123	18,995	639	86,888
1967	254	35,013	295	39,170	126	20,011	675	94,194

Source : Dominion Bureau of Statistics.

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Exports of paper (except newsprint) and paperboard, tonnage

	Book & writing paper	Wrapping paper	Tissue & sanitary paper	Paperboard	Building board	Other paper & board ¹	Total
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1960	61	34	5	104	25	46	275
1961	64	43	7	105	24	54	297
1962	70	36	13	129	24	56	328
1963	78	31	12	169	33	62	385
1964	108	32	15	178	42	67	442
1965	130	29	12	186	58	82	497
1966	171	47	14	254	39	114	639
1967	182	100	19	244	40	90	675

In the past, the basis and classification upon which exports of paper other than newsprint have been compiled have been modified from time to time. Consequently, only figures covering recent years are included in this and Table 46. Again, the tonnage figures for certain paper products exported are not available. The

dollar figures covering these exports will be found in Table 47.

1. Coated paper (except machine coated), roofing and building paper, Special industrial paper, hanging paper, not printed, and waste paper, n.o.p.

Source: Dominion Bureau of Statistics.

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Exports of paper (except newsprint) and paperboard, value

	Book & writing paper	Wrapping paper	Tissue & sanitary paper	Paperboard	Building board	Other paper & board ¹	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1960	12,170	5,408	1,112	11,858	2,259	2,157	34,964
1961	12,880	6,464	1,496	12,159	2,191	2,761	37,951
1962	14,013	5,712	3,004	14,915	2,417	3,653	43,714
1963	15,578	5,312	2,597	19,621	3,397	4,449	50,954
1964	21,072	5,708	3,460	20,454	4,472	5,000	60,166
1965	24,749	5,348	2,820	21,300	6,007	6,022	66,246
1966	32,932	8,182	3,193	29,732	4,436	8,413	86,888
1967	35,516	14,992	4,169	28,207	4,315	6,995	94,194

In the past, the basis and classification upon which exports of paper other than newsprint have been compiled have been modified from time to time. Consequently, only figures covering recent years are included in this and Table 46. Again, the tonnage figures for certain paper products exported are not available. The

dollar figures covering these exports will be found in Table 47.

1. Coated paper (except machine coated), roofing and building paper, Special industrial paper, hanging paper, not printed, and waste paper, n.o.p.

Source: Dominion Bureau of Statistics.

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Exports of paper products

	Paper bags & multi-wall sacks	Paper containers & parts (n.e.s.)	Wall paper	Packaged toilet paper	Notebooks scribblers & pads	Stationery paper office supplies (n.e.s.)	Converted paper	Paper end products (n.e.s.)	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1961	543	703	1,378	426	147	308	242	141	3,888
1962	499	1,110	1,645	644	161	369	416	141	4,985
1963	484	1,040	1,665	955	224	450	1,551	172	6,541
1964	579	1,350	1,805	984	253	531	3,394	135	9,031
1965	679	1,320	1,832	631	199	767	3,343	145	8,916
1966	671	1,191	2,330	680	188	808	3,005	179	9,052
1967	473	1,677	2,774	753	135	783	2,521	220	9,336

n.e.s.: not elsewhere specified.

Source: Dominion Bureau of Statistics.

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Imports of paper and paperboard, and paper goods

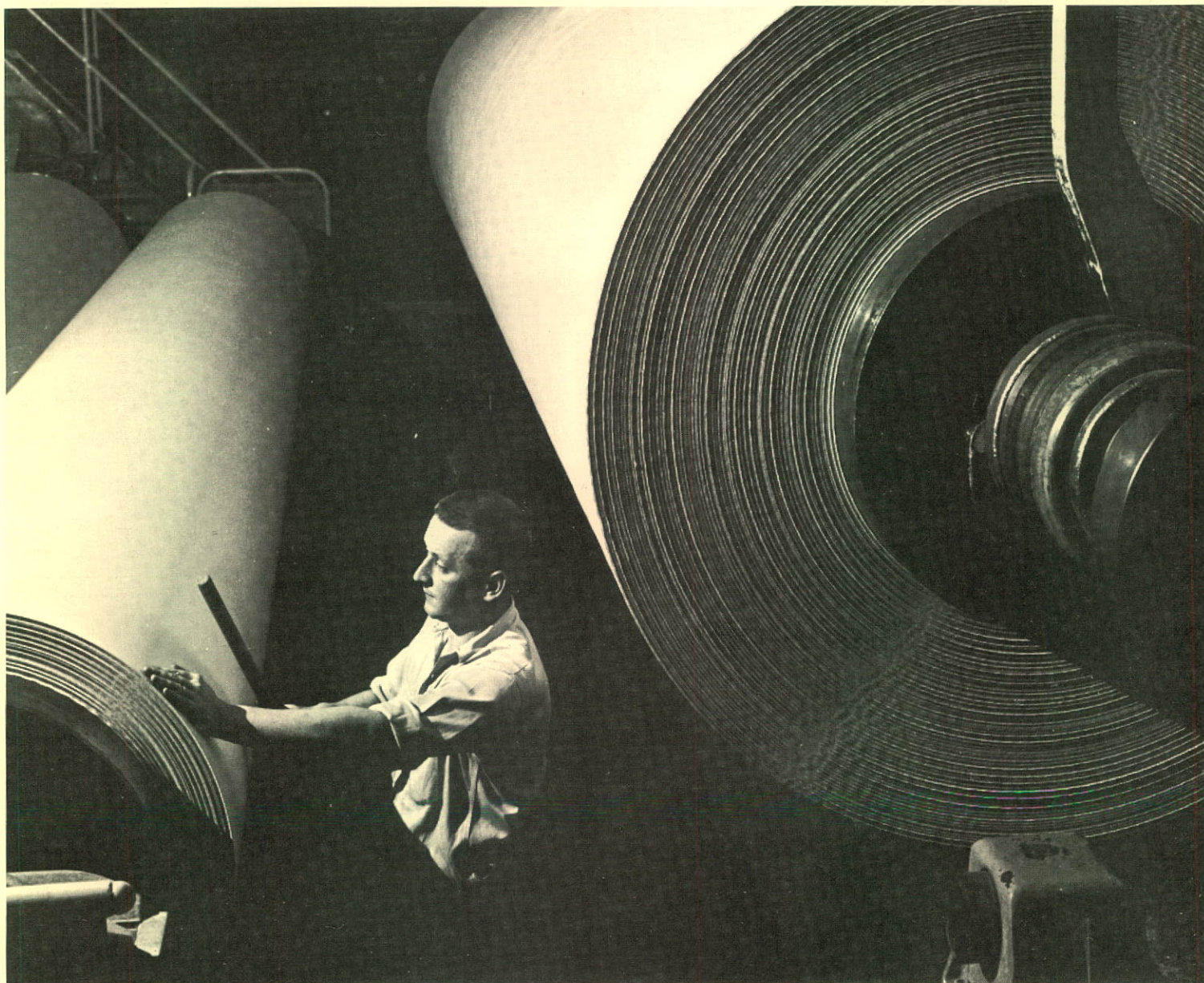
	Fine papers	Tissue and sanitary papers	Wrapping papers	Specialty papers	Building papers and boards	Other paper-boards	Paper goods
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	\$'000
1948	8	4	1	2	4	15	17,213
1949	8	8	1	2	19	17	20,207
1950	9	6	1	2	10	18	23,434
1951	11	4	2	3	14	35	34,831
1952	11	4	1	2	15	32	29,921
1953	12	6	1	4	28	42	39,208
1954	15	7	4	4	32	52	43,558
1955	17	8	4	5	33	67	52,690
1956	18	9	4	6	42	78	62,217
1957	17	11	6	5	38	79	62,249
1958	20	12	9	5	37	84	65,735
1959	21	12	5	6	43	86	68,273
1960	20	11	4	5	43	81	68,910
1961	22	9	5	5	37	108	75,717
1962	22	8	3	6	33	98	80,379
1963	23	7	4	6	28	91	76,644
1964	21	7	12	8	28	84	79,255
1965	23	9	7	8	30	90	87,551
1966	25	7	5	8	32	84	97,001
1967	25	6	6	7	31	91	103,058

Note: This table covers all imports reported in classifications used prior to 1st January 1964 as well as in the present Import Classification which took effect as of that date.

Source: Dominion Bureau of Statistics.

Other paper and paperboard annual productive capacity	Paperboard	Wrapping paper	Book and writing paper	Tissue and sanitary paper
	'000 Tons	'000 Tons	'000 Tons	'000 Tons
1952	821	260	264	92
1953	840	265	270	107
1954	918	274	274	114
1955	923	293	283	120
1956	1,029	324	361	122
1957	1,078	386	377	138
1958	1,096	371	386	142
1959	1,139	363	392	149
1960	1,162	361	438	167
1961	1,242	365	465	167
1962	1,275	380	485	174
1963	1,333	418	492	196
1964	1,378	400	578	198
1965	1,450	384	615	234
1966	1,763	438	807	264
1967	1,745	533	767	268
1968	1,808	542	872	275

Source : Canadian Pulp and Paper Association estimates.



VI. National Significance

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Pulp and paper production and the national income	Gross production of industry	Gross national product ¹
	\$'000,000	\$'000,000
1926	215	5,152
1930	216	5,728
1935	159	4,315
1940	298	6,743
1945	399	11,835
1946	528	11,850
1947	707	13,165
1948	826	15,120
1949	836	16,343
1950	954	18,006
1951	1,238	21,170
1952	1,158	23,995
1953	1,180	25,020
1954	1,242	24,871
1955	1,327	27,132
1956	1,465	30,585
1957 ²	1,416	31,909
1958 ²	1,398	32,894
1959 ²	1,502	34,915
1960 ²	1,583	36,287
1961 ²	1,633	37,471
1962 ²	1,716	40,575
1963 ²	1,793	43,424
1964 ²	1,984	47,393
1965 ²	2,104	52,203
1966 ²	2,298	58,420
1967 ²	2,250 ³	62,068 ⁴

1. The "gross national product" is the market value of all goods and services produced in Canada.
2. All principal statistics of manufactures (i.e. number of establishments, number of employees, total salaries and wages paid, cost of fuel, electricity and materials used, selling value of factory shipments and value added by manufacture or net value) shown in this publication for the years 1957 to 1960 have been revised by the Dominion Bureau of Statistics on the basis of the new Standard Industrial Classification adopted as of 1st January 1960 and of the new Establishment (reporting unit) Concept adopted as of 1st January 1961. Because of these changes, principal statistics for years prior to 1957 are not fully comparable with those for the years that follow.
3. Canadian Pulp and Paper Association estimate.
4. Preliminary.

Source: Dominion Bureau of Statistics.

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Pulp and paper exports and Canadian trade	Pulp & paper exports	Total domestic exports of Canada	Pulp & paper exports to total exports
	\$'000	\$'000	%
1919	97,168	1,253,958	7.86
1920	163,128	1,268,015	12.86
1925	154,556	1,239,554	12.47
1930	177,590	863,684	20.56
1935	121,667	724,977	16.78
1940	231,810	1,178,954	19.66
1945	309,067	3,218,330	9.60
1946	401,458	2,312,215	17.36
1947	550,873	2,774,902	19.85
1948	628,246	3,075,438	20.43
1949	630,544	2,998,356	21.03
1950	713,870	3,118,387	22.89
1951	939,239	3,914,460	23.99
1952	914,000	4,301,081	21.25
1953	887,752	4,117,406	21.56
1954	927,356	3,881,272	23.89
1955	991,543	4,281,784	23.16
1956	1,045,828	4,789,746	21.83
1957	1,043,559	4,839,094	21.56
1958	1,010,147	4,823,347	20.91
1959	1,073,485	5,060,710	21.21
1960	1,123,824	5,255,575	21.38
1961	1,151,558	5,754,986	20.00
1962	1,174,145	6,178,523	19.00
1963	1,226,130	6,798,538	18.04
1964	1,368,731	8,094,360	16.91
1965	1,442,097	8,525,078	16.92
1966	1,588,106	10,070,627	15.77
1967	1,605,539	11,111,804	14.45

Source: Dominion Bureau of Statistics.

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Growth of the industry	Pulp and paper mills	Total employees ¹	Total production
			\$'000
1871	21	760	1,072
1881	41	1,588	2,510
1891	58	2,817	3,633
1901	53	6,236	8,628
1911	72	9,766	23,226
1921	100	24,619	151,003
1931	103	26,669	174,734
1941	106	37,154	334,726
1945	109	39,996	398,805
1947	115	49,946	706,972
1949	123	52,050	836,148
1950	123	52,343	954,138
1951	126	57,291	1,237,897
1952	128	57,803	1,157,888
1953	127	58,194	1,179,665
1954	125	60,837	1,241,665
1955	125	62,205	1,326,938
1956	126	65,985	1,465,058
1957	127	66,067	1,415,821
1958	127	64,199	1,398,349
1959	126	65,162	1,503,855
1960	126	65,772	1,583,107
1961	125	65,799	1,632,834
1962	125	64,885	1,716,300
1963	126	65,049	1,793,231
1964	131	67,729	1,984,114
1965	132	69,897	2,104,425
1966	135	73,501	2,297,662
1967 ²	139	74,139	2,250,000

1. Woods employees not included.
2. Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

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Principal Canadian exports	1967	1966
	\$'000	\$'000
Newsprint	955,261	968,224
Passenger automobiles and chassis	879,395	429,624
Wheat	734,760	1,060,670
Wood pulp	543,433	520,068
Lumber	509,639	478,054
Aluminum, including alloys	398,910	372,275
Crude petroleum	397,875	321,681
Iron ores and concentrates	383,063	369,009
Motor vehicle parts, except engines	365,104	252,858
Copper and alloys	336,723	266,067
Motor vehicles, except passenger	326,662	173,257
Nickel and alloys	229,297	212,433
Nickel in ores, concentrates and scrap	203,981	186,725
Aircraft parts, except engines	183,312	118,090
Asbestos, unmanufactured	172,397	182,484
Motor vehicle engines and parts	158,907	137,858
Copper in ores, concentrates and scrap	157,464	130,898
Fertilizers and fertilizer materials	154,623	139,560
Whisky	141,479	127,508
Natural gas	123,664	108,750
Communication and related equipment (except television and radio sets and phonographs)	97,894	80,097
Aircraft engines and parts	94,307	72,658
Zinc in ores, concentrates and scraps	94,126	77,745
Combine reaper-threshers and parts	90,287	88,235
Plate, sheet and strip, of steel	88,795	76,956
Zinc, including alloys	72,938	67,834
Barley	72,609	44,957
Synthetic rubber and plastics materials	67,304	76,378
Organic chemicals	66,033	57,151
Fish, fillets and blocks, fresh or frozen	65,349	69,071
Wheat flour	60,607	82,836
Firearms, ammunition and ordnance	60,389	32,198

Source: Dominion Bureau of Statistics.

Capital expenditures	Capital construction	Capital machinery & equipment	Total expenditures
	\$'000,000	\$'000,000	\$'000,000
1948	25.7	53.6	79.3
1949	24.2	47.5	71.8
1950	17.9	50.7	68.6
1951	35.1	73.8	108.9
1952	29.0	86.6	115.6
1953	18.5	73.4	91.9
1954	13.8	55.2	69.0
1955	26.9	91.4	118.3
1956	79.4	160.2	239.6
1957	52.1	182.3	234.4
1958	18.1	88.7	106.8
1959	21.7	88.5	110.2
1960	27.8	113.5	141.3
1961	33.1	105.3	138.4
1962	34.5	113.3	147.8
1963	36.4	145.2	181.6
1964	64.7	229.0	293.7
1965	102.2	281.6	383.8
1966	127.2	379.2	506.4
1967	111.1	317.0	428.1
1968	34.4	225.6	260.0

Note: 1948-1966, Actual Expenditures; 1967, Preliminary Actual; 1968, Intentions.
Source: Dominion Bureau of Statistics, Business Finance Division.

Exports of Canadian products to the United States	1967	1967	1966	1966
	\$'000	%	\$'000	%
Live animals	34,503	0.48	68,951	1.14
Food, feed, beverages and tobacco	430,493	6.08	429,366	7.12
Crude materials, inedible	1,185,628	16.75	1,122,691	18.63
<i>Pulpwood and pulpwood chips</i>	29,737	0.42	26,467	0.44
<i>Mutilated newsprint</i>	1,963	0.03	2,269	0.04
<i>Waste paper, n.e.s.</i>	2,646	0.04	4,559	0.08
Fabricated materials, inedible	2,822,357	39.87	2,760,777	45.80
<i>Wood pulp</i>	382,446	5.40	390,760	6.48
<i>Newsprint</i>	815,780	11.52	823,664	13.66
<i>Paperboard and building board</i>	4,338	0.06	4,972	0.08
<i>All other paper</i>	28,029	0.30	25,410	0.42
End products, inedible	2,588,856	36.57	1,625,975	26.98
<i>Paper products</i>	3,070	0.04	3,048	0.05
Special transactions, trade	17,559	0.25	19,962	0.33
Total exports	7,079,396	100.00	6,027,722	100.00
Total pulp, paper, paper products and pulpwood¹	1,268,009	17.91	1,281,149	21.25

1. Details for 1967 are given in Table 11.
Source: Dominion Bureau of Statistics.

Canadian consumption of paper and paperboard	Newsprint	Paperboard	Wrapping paper	Fine paper ¹	Tissue paper	Sanitary paper	Building boards	Building papers	Other paper & boards	Total
	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.	Lbs.p.cap.
1948	47.8	94.8	29.1	27.9	1.8	8.7	15.8	13.1	1.7	240.8
1949	49.9	93.6	27.2	27.2	1.9	8.9	19.5	12.3	2.7	243.2
1950	51.7	105.2	31.3	29.7	2.1	9.7	15.1	13.3	3.4	261.4
1951	51.4	112.5	34.8	32.2	2.2	10.7	16.9	12.4	3.6	276.8
1952	51.0	100.3	29.1	27.1	1.6	9.5	16.0	11.7	3.0	249.3
1953	53.7	112.1	31.1	29.2	1.7	10.6	18.4	12.4	3.1	272.2
1954	55.1	107.7	31.5	30.4	1.8	11.2	18.3	11.6	2.8	270.4
1955	54.8	112.2	31.8	31.0	2.4	11.7	17.0	12.9	2.9	276.7
1956	59.3	121.6	34.5	34.3	2.7	12.9	22.5	12.1	2.9	302.8
1957	55.0	112.7	31.8	33.1	2.5	13.1	20.5	10.4	2.7	281.7
1958	50.9	119.2	31.6	32.9	2.5	13.7	23.7	11.0	2.3	287.7
1959	54.1	121.0	33.6	35.3	2.9	14.1	24.0	10.0	2.4	297.3
1960	54.5	117.2	32.8	34.9	2.5	14.0	24.3	8.6	2.0	291.0
1961	53.9	115.6	31.8	35.2	2.3	15.2	24.4	8.2	2.3	288.9
1962	54.9	122.5	32.1	35.9	2.5	15.4	22.4	9.5	2.4	297.5
1963	55.2	127.2	33.6	37.6	2.5	18.2	22.0	9.1	2.1	307.5
1964	57.1	137.7	34.3	40.6	2.6	17.1	28.2	8.8	2.2	328.6
1965	60.1	147.7	35.7	42.8	2.8	16.8	26.8	7.8	2.4	342.9
1966	62.0	151.7	38.8	46.6	2.7	15.0	26.3	7.7	2.1	352.9
1967 ²	62.5	154.0	35.9	54.7	3.0	20.3	28.6	7.0	2.2	368.2

Note: These figures do not include tonnages imported as converted paper products, such as books, magazines, advertising matter, packages, etc.
1. Excluding coated paper.

2. Preliminary estimates.
Sources: Dominion Bureau of Statistics, Newsprint Association of Canada, and Canadian Pulp and Paper Association.

Principal statistics by provinces, 1966

	Mills	Employees ¹	Salaries and wages ¹	Cost of fuel and electricity	Cost of materials used	Selling value of factory shipments	Value added by manufacture
			\$'000	\$'000	\$'000	\$'000	\$'000
Newfoundland	2	3,142	23,260	6,054	33,621	83,056	42,136
Nova Scotia	4	1,706	9,733	3,100	19,109	43,258	21,124
New Brunswick	10	4,699	29,291	14,462	81,308	154,050	58,807
Quebec	57	28,771	186,799	65,972	385,749	868,284	419,208
Ontario	36	21,811	140,783	41,389	275,576	622,102	306,340
Manitoba, Saskatchewan and Alberta	7	1,239	7,407	3,357	22,100	52,581	27,119
British Columbia	18	12,133	88,976	29,133	226,257	474,330	225,527
Total	134	73,501	486,249	163,467	1,043,720	2,297,662	1,100,261

1. Woods employees not included.
Source: Dominion Bureau of Statistics.

Ten leading Canadian manufacturing industries 1965¹

	Salaries and wages	Salaries and wages rank ²	Employment	Employment rank ²	Value added by manufacture	Added value rank ²	Selling value of factory shipments	Selling value rank ⁴
	\$'000				\$'000		\$'000	
Pulp and paper mills	423,732	1	69,897 ³	1	1,033,532	1	2,104,425	2
Motor vehicle manufacturers	302,518	2	42,432	5	631,390	3	2,120,302	1
Petroleum refining	63,272	10	8,976	10	244,108	9	1,383,649	3
Slaughtering and meat packing	137,591	9	26,923	9	232,978	10	1,352,420	4
Iron and steel mills	277,126	3	44,274	3	646,100	2	1,231,765	5
Dairy factories	137,681	8	31,866	7	250,596	8	990,172	6
Sawmills and planing mills	223,921	5	50,848	2	384,484	6	896,240	7
Miscellaneous machinery and equipment manufacturers	242,334	4	43,956	4	419,738	4	797,150	8
Smelting and refining	192,668	7	31,835	8	407,272	5	770,690	9
Motor vehicle parts and accessories manufacturers	197,403	6	31,982	6	326,641	7	755,608	10

1. Latest available.
2. Rank among ten leading industries listed.
3. Covers only mill workers.
4. Rank in Canadian Manufacturing Industries as a whole.
Source: Dominion Bureau of Statistics.

Growth rates of the pulp and paper industry, the total economy and selected groups of industries

	Real domestic product	Total goods	Total manufacturing	Pulp and paper	Foods and beverages	Textiles	Transportation equipment	Chemicals and allied products	Electrical apparatus and supplies	Construction	Total services
1961 weights	100.0	43.8	24.7	2.2	3.6	0.9	2.0	1.7	1.6	5.8	56.2
1948	56.7	56.8	57.8	64.0	61.0	63.1	75.1	32.2	43.5	46.3	56.7
1949	58.4	57.8	59.5	67.3	61.9	64.8	77.3	35.8	47.5	51.9	59.1
1950	62.4	62.6	63.4	72.7	63.7	72.9	83.4	40.1	53.5	56.0	66.2
1951	67.3	68.6	68.9	79.4	65.9	74.5	100.8	46.0	57.4	56.5	65.8
1952	72.5	74.5	71.5	76.0	70.2	67.7	115.5	50.2	59.2	64.1	70.0
1953	75.5	77.4	76.6	79.1	72.2	72.0	130.3	55.0	71.7	71.9	73.3
1954	74.3	73.9	74.9	82.2	74.8	64.9	106.7	59.1	72.1	73.7	74.7
1955	82.1	83.7	82.2	85.0	77.8	77.8	114.1	68.1	83.1	81.9	80.2
1956	89.1	91.9	89.9	91.6	82.4	80.6	123.0	79.7	93.9	92.2	85.7
1957	89.5	91.0	89.7	88.7	85.7	81.3	120.4	81.5	87.2	100.2	87.7
1958	91.0	92.4	88.0	86.9	89.8	78.5	105.9	82.3	85.3	103.7	89.4
1959	95.7	96.8	94.5	94.3	94.2	88.8	104.9	90.2	90.6	98.7	94.4
1960	98.0	99.0	96.1	100.0	96.1	91.5	101.4	94.1	94.0	97.0	96.6
1961	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1962	106.9	109.9	110.5	100.7	107.3	112.2	119.4	109.9	120.1	104.6	104.6
1963	112.3	116.8	118.0	105.1	112.9	123.1	140.3	116.3	129.4	105.9	108.8
1964	119.5	125.6	129.2	112.4	118.8	135.8	158.3	129.3	144.5	117.4	114.9
1965	127.8	136.4	141.0	117.0	124.3	147.7	187.7	141.0	162.3	133.7	121.2
1966	135.5	146.7	151.2	127.7	129.9	155.0	206.9	154.1	184.9	141.7	126.8
1967	139.1	146.7	151.7	127.8	134.9	158.0	217.5	156.0	182.0	142.4	133.2

Source: Dominion Bureau of Statistics. Compiled from "Indexes of Real Domestic Product by industry — (1961 Base)", prepared in National Accounts and Balance of Payments Division, Industrial Output Section.

Employees and wages	Total employees	Employees on salary	Total salaries paid	Average salary	Employees on wages	Total wages paid	Average wage	Wage index ¹	Consumer price index ^{1,2}	Total salaries & wages
			\$'000	\$		\$'000	\$			\$'000
1947	49,946	7,706	26,287	3,411	42,240	103,191	2,443	85.7	84.8	129,478
1948	51,924	8,066	30,460	3,776	43,858	121,203	2,764	96.9	97.0	151,663
1949	52,050	8,243	32,784	3,977	43,807	124,920	2,852	100.0	100.0	157,704
1950	52,343	8,578	35,729	4,165	43,765	133,517	3,051	107.0	102.9	169,247
1951	57,291	9,413	44,127	4,688	47,878	169,043	3,531	123.8	113.7	213,170
1952	57,803	9,493	48,120	5,069	48,310	177,234	3,669	128.6	116.5	225,353
1953	58,194	9,394	49,932	5,315	48,800	185,810	3,808	133.5	115.5	235,742
1954	60,837	9,689	53,305	5,502	51,148	199,294	3,896	136.6	116.2	252,598
1955	62,205	9,933	55,981	5,636	52,272	209,317	4,004	140.4	116.4	265,298
1956	65,985	10,867	64,076	5,896	55,118	233,496	4,236	148.5	118.1	297,572
1957 ³	66,067	11,503	70,408	6,121	54,564	237,582	4,354	152.7	121.9	307,990
1958 ³	64,199	11,602	74,301	6,404	52,597	233,571	4,441	155.7	125.1	307,872
1959 ³	65,162	11,711	77,560	6,623	53,451	245,376	4,591	161.0	126.5	322,936
1960 ³	65,772	12,459	84,894	6,814	53,313	260,199	4,881	171.1	128.0	345,093
1961 ³	65,799	12,371	83,936	6,785	53,428	271,235	5,077	178.0	129.2	355,171
1962 ³	64,885	11,140	73,387	6,588	53,745	281,858	5,244	183.9	130.7	355,245
1963 ³	65,049	11,058	74,405	6,729	53,982	290,108	5,374	188.4	133.0	364,513
1964 ³	67,729	11,300	78,163	6,917	56,429	315,973	5,599	196.3	135.4	394,136
1965 ³	69,897	11,823	84,369	7,136	58,074	339,363	5,844	204.9	138.7	423,732
1966 ³	73,501	11,269	87,345	7,750	62,232	398,904	6,411	224.8	143.9	486,249

Note: Woods employees not included.

1. 1949 equals 100.

2. Constructed to replace cost of living index.

3. See footnote 2, table 51.

Source: Dominion Bureau of Statistics.

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Capital and employees	Capital employed	Employees ²	Capital employed per employee
	\$'000		\$'000
1948	1,147,391	51,924	22,097
1949	1,249,967	52,050	24,014
1950	1,362,559	52,343	26,031
1951	1,577,531	57,291	27,535
1952	1,754,393	57,803	30,351
1953	1,893,118	58,194	32,531
1954	1,984,742	60,837	32,623
1955	2,136,357	62,205	34,343
1956	2,442,051	65,985	37,009
1957	2,785,545	66,067	42,162
1958	3,021,350	64,199	47,062
1959	3,192,211	65,162	48,988
1960	3,384,320	65,772	51,455
1961	3,522,900	65,799	53,540
1962	3,666,534	64,885	56,508
1963	3,903,087	65,049	60,002
1964	4,309,572	67,729	63,629
1965	4,890,383	69,897	69,965
1966	5,482,198	73,501	74,586
1967 ¹	6,008,677	73,960	81,242

1. Preliminary.

2. Woods employees are not included.

Source: Canadian Pulp and Paper Association estimates based on data compiled by the Dominion Bureau of Statistics, Business Finance Division, on "Fixed Capital Flows and Stocks, Manufacturing, Canada 1926-1960" and supplements.

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Principal expenditures	1966
	\$
Transportation ¹	350,000,000
Chemicals and mill supplies ²	327,955,207
Fuel ²	82,965,648
Electricity ²	80,501,825
Fibre and fibre stock ²	25,975,779
Purchased pulpwood ¹	128,000,000
Purchased wood-residue (for pulping) ²	106,694,925
Taxes ¹	300,000,000
Wages, including woods workers	778,249,000
Total	2,180,342,384

1. Canadian Pulp and Paper Association estimate.

2. Dominion Bureau of Statistics figures.

There is some duplication where the value of purchased pulpwood, mill supplies, fuel, chemicals, and so forth, include substantial transportation costs to the mill.

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Payrolls and weekly earnings in important industries	Year	Average number of employees	Average weekly payrolls	Average weekly earnings
			\$	\$
Pulp and paper mills	1966	73,678	9,371,975	127.15
	1967	74,139	9,912,627	133.70
Electrical products	1966	120,759	12,508,503	103.56
	1967	123,223	13,295,811	107.90
Motor vehicles	1966	84,872	10,338,939	121.07
	1967	82,711	10,418,263	125.98
Chemical products	1966	69,758	7,998,292	114.64
	1967	70,766	8,612,357	121.70
Smelting and refining	1966	32,370	4,032,157	123.28
	1967	34,403	4,576,915	133.04
Aircraft and parts	1966	33,550	4,028,026	119.96
	1967	37,915	4,800,412	126.61
Iron and steel mills	1966	46,460	5,718,827	123.03
	1967	44,899	5,877,617	130.91
Slaughtering and meat processing	1966	27,452	2,743,816	99.97
	1967	28,336	3,156,987	111.41
Rubber products	1966	26,773	2,754,375	102.87
	1967	26,394	2,881,119	109.16
Shipbuilding and repairing	1966	19,588	2,096,429	106.94
	1967	18,573	2,061,211	110.97

Note: Compiled from monthly returns received from establishments employing 15 persons or more. Pulp and paper mills payrolls do not include woods workers.
Source: Dominion Bureau of Statistics, Employment Section.

Car loadings	1967	1967	1966	1966
	Carloads	%	Carloads	%
Forest Products	707,979	18.69	727,689	18.04
Pulp and paper	246,149	6.50	276,986	6.87
Pulpwood	167,879	4.43	158,022	3.97
Other forest products	293,951	7.76	292,681	7.26
Agricultural Products	505,291	13.34	626,593	15.54
Grain	374,989	9.90	476,025	11.80
Grain products	70,686	1.87	89,475	2.22
Other agricultural products	59,616	1.57	61,093	1.52
Animal Products	55,294	1.46	58,674	1.45
Mineral Products	1,605,173	42.37	1,640,455	40.68
Coal	119,456	3.15	130,210	3.23
Coke	21,286	0.56	20,290	0.50
Ores and concentrates	659,285	17.40	616,095	15.28
Iron and steel: pig, bloom and ingot	10,448	0.28	12,342	0.31
Non-ferrous metals: pig, matte, ingot and manufactured products	42,002	1.11	39,565	0.98
Agricultural implements, tractors, automobiles, trucks and parts	94,635	2.50	89,033	2.21
Machinery, boilers, castings and other iron and steel products	86,460	2.28	95,580	2.37
Crude petroleum, gasoline, fuel oil and other petroleum products	251,411	6.64	259,698	6.44
Sand, gravel, stone, cement, plaster, lime, brick, tile, sewer and drain pipes, and other mineral products	320,190	8.45	377,642	9.36
Other Products	677,417	17.88	711,780	17.65
Sugar, canned goods, beverages	72,353	1.91	74,906	1.86
Fertilizers	96,880	2.56	87,958	2.18
Miscellaneous	508,184	13.41	548,916	13.61
Merchandise, L.C.L.	236,979	6.25	267,792	6.64
Total	3,788,133	100.00	4,032,983	100.00

Note: Car loadings of pulp and paper and pulpwood in 1967 were equivalent to 670 cars and 488 cars respectively, every day in the year. A proportion of the pulpwood car loading included pulpwood for export. Deducting an estimate for pulpwood shipped abroad, the pulp and paper industry's car loadings of pulpwood and finished products were equivalent to over eight trains of 100 cars daily. Annual loadings of pulpwood for the

mills and of finished products would thus fill a train 2,600 miles in length. In addition, the pulp and paper industry creates a vast rail traffic of coal, chemicals and other supplies required for the operations at the mills and in the woods.

Source: Compiled by C.P.P.A. from monthly D.B.S. Memoranda.

Operations and mills 1967	Producing companies	Producing mills
Groundwood	34	60
Mechanical screenings	9	14
Dissolving and special alpha (sulphite and sulphate)	4	7
Bleached sulphite (paper pulp)	9	14
Unbleached sulphite (strong)	6	9
Unbleached sulphite (news grade)	16	33
Sulphate pulp, bleached and semi-bleached	22	24
Sulphate unbleached	18	23
Chemical screenings	13	21
Semi-chemical pulp	5	6
Defibrated and exploded pulps	8	12
All other wood pulp	1	1
Newsprint	25	45
Groundwood and specialty papers	7	9
Book paper	6	13
Fine papers	8	14
Miscellaneous fine papers	6	12
Tissue paper other than sanitary	6	8
Sanitary papers	7	13
Special industrial papers	2	5
Wrapping papers	15	21
Building papers	7	10
Paperboards	23	45
Building boards	9	14
Wet machine boards	3	3
Paper products	17	24

Sources: Canadian Pulp and Paper Association and Dominion Bureau of Statistics.

Principal statistics of the paper converting industries	1966	1965
Number of establishments	489	469
Number of employees	37,893	35,109
Salaries and wages paid	\$'000	\$'000
Cost of fuel and electricity	192,432	168,489
Cost of materials used	8,015	7,101
Selling value of factory shipments	515,695	461,106
Value added by manufacture	868,002	777,571
	371,212	323,245

Note: These figures cover only converted paper products produced in the Folding Boxes and Set-up Boxes, Corrugated Boxes, Paper Bag, Miscellaneous Paper, and Asphalt Roofing industries. In addition, some 20 paper-mills have converting plants whose operations are included in the Pulp and Paper industry, and there are also several plants in the Printing Trades and other industries which make paper boxes and other converted paper commodities as secondary products.

Source: Dominion Bureau of Statistics.

Summary of shipments of goods of own manufacture	Wood pulp	Newsprint	Other basic paper and paperboard	Building boards ¹	Converted paper products ²	Other products ³	Steam sold	By-products ⁴	Amount received for work done ⁵	Total value of shipments & work done ⁶
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$,000
1956	366,819	734,426	288,409	25,582	32,217	435	978	2,624	1,952	1,453,442
1957	334,962	724,613	286,061	25,275	35,074	334	1,026	2,557	2,032	1,411,934
1958	325,587	694,067	300,520	27,081	41,162	490	1,411	2,609	1,752	1,394,679
1959	360,294	732,849	323,363	30,849	44,310	17	1,416	3,176	1,768	1,498,042
1960	368,598	793,470	334,401	28,846	47,492	18	1,010	2,923	1,969	1,578,727
1961	392,655	804,641	352,964	29,237	48,684	25	1,318	6,409	2,049	1,637,982
1962	436,920	819,079	371,419	33,218	52,626	4,369	1,541	8,270	1,840	1,729,282
1963	479,040	809,247	401,667	34,598	54,708	5,766	1,652	10,175	1,548	1,789,401
1964	548,505	887,612	431,398	37,405	54,351	15,409	1,853	11,168	2,173	1,989,874
1965	592,238	927,832	462,078	39,119	56,248	18,723	1,953	12,417	2,188	2,112,796
1966	630,154	1,025,048	519,528	35,257	57,449	20,126	1,986	13,714	3,175	2,306,436

1. Rigid insulating (homogeneous or laminated) softboard for all purposes and all types of hardboard, as reported by establishments classified as pulp and paper mills.
2. Such as packaged toilet paper, paper towels and napkins, paper bags, gummed tape, etc.
3. Not made from wood pulp, paper or paperboard.
4. Such as newsprint and kraft side-runs, vanillin, acid liquors, etc.
5. On materials and products owned by others.
6. Unadjusted value of shipments and work done, representing the sum of the items shown.

Since 1957 questions covering value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items, as required, have been added to Census of Industry questionnaires; the answers have resulted in the adjusted values shown in Table 51 (*q.v.*) and elsewhere. The unadjusted values are more comparable to the values shown for production prior to 1956, which obviously comprised similar undeducted taxes, duties and charges.

Source: Dominion Bureau of Statistics.



VII. World Figures

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World production and consumption of wood pulp	Production 1950	Production 1960	Production 1966	Consumption 1950	Consumption 1960	Consumption 1966
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
North America	23,322	36,747	51,501	23,801	35,473	49,276
Canada	8,473	11,431	15,865	6,663	8,918	11,829
United States	14,849	25,316	35,636	17,138	26,555	37,447
Western Europe	9,876	17,242	23,114	8,920	17,481	23,439
Austria	421	777	820	301	585	716
Belgium	86	170	250	256	333	482
Denmark	1	6	71	82	123	136
Finland	2,109	4,078	6,290	945	2,329	3,862
France	551	1,254	1,687	1,082	1,981	2,603
Germany (West)	1,008	1,584	1,555	1,250	2,334	2,692
Greece	1	1	1	32	62	82
Ireland	1	24	26	24	53	56
Italy	287	497	789	547	1,186	1,865
Netherlands	100	137	196	263	543	748
Norway	1,183	1,814	2,137	603	981	1,277
Portugal	7	94	230	20	102	137
Spain	28	166	455	91	280	723
Sweden	3,801	6,173	7,998	1,497	2,954	4,006
Switzerland	157	262	293	187	370	446
United Kingdom	137	206	317	1,740	3,265	3,608
Latin America (except Cuba)	264	845	1,875	582	1,178	2,334
Argentina	17 ²	48	115	98	137	313
Brazil	153 ²	498	1,078	298	605	1,094
Chile	17	112	349	42	127	292
Columbia	1	1	60	3	31	133
Mexico	77	187	273	133	241	350
Peru	1	1	1	1	3	13
Uruguay	1	1	1	1	3	26
Venezuela	1	1	1	8	37	113
Africa, Middle East, other Asia (except China), Oceania	1,004	4,863	8,028	1,140	5,167	9,004
Morocco	1	1	1	1	3	13
Republic of South Africa	36	262	649	38	190	413
United Arab Republic, Egypt	1	1	1	6	32	36
Israel	1	1	1	1	3	25
Turkey	13	46	86	17	55	94
India	1	20	84	9	108	150
Japan	825	3,884	6,269	894	4,014	6,997
Korea	1	1	1	1	3	48
Pakistan	1	26	33	1	29	47
Philippines	1	1	1	1	3	25
South Viet Nam	1	1	1	1	3	16
Taiwan	1	16	1	1	28	46
Australia	103	315	430	139	481	616
New Zealand	27	294	480	37	230	422
All others	1	1	1	1	3	56
Sub total	34,466	59,697	84,521	34,443	59,299	84,053
Other countries ²						
Bulgaria	6	3	91	45	3	105
China	3	3	475	25	3	561
Cuba	1	1	1	22	3	31
Czechoslovakia	386	3	746	342	3	781
Germany (East)	607	3	1,050	596	3	1,096
Hungary	7	3	72	29	3	152
Poland	275	3	697	350	3	838
Romania	110	3	309	98	3	333
U.S.S.R.	2,255	3	5,568	2,348	3	5,423
Yugoslavia	50	230	483	55	216	472
Sub total	3,696	6,930	9,491	3,910	6,763	9,792
Total	38,162	66,627	94,012	38,353	66,062	93,845

1. Nil.
2. Estimated.
3. Not available.
Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association.

World production of wood pulp, by grades	1950	1960	1966
	'000 Tons	'000 Tons	'000 Tons
America, Western Europe, Asia (except China), Africa, Oceania	34,466²	59,697	84,521
Chemical wood pulp	20,841	37,962	55,429
Dissolving and special alpha	1,756	3,447	4,263
Sulphite	7,737	10,340	11,918
Sulphate	10,642	23,566	38,880
Soda	350 ¹	609	368
Semi-chemical wood pulp	1,331 ¹	2,736	4,814
Mechanical wood pulp	12,227	18,828	23,888
Screenings	n.a.	171	489
Eastern Europe, U.S.S.R. and China	3,696	6,930	9,491
Chemical wood pulp	2,245	4,684	6,757
Other grades	1,451	2,246	2,734
World	38,162	66,627	94,012
Chemical wood pulp	23,086	42,646	62,186
Other Grades	15,076	23,981	31,826

1. Estimated.

2. The sum of the figures shown for 1950 for the various grades of chemical wood pulp does not equal the total figure of 20,841,000 tons because some countries did not provide a breakdown of grades at that time.

Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association.

World exports of wood pulp, by countries	1950	1960	1966
	'000 Tons	'000 Tons	'000 Tons
North America			
Canada	1,846	2,576	4,094
United States	96	1,142	1,547
Western Europe			
Austria	115	224	151
Belgium	4	7	44
Denmark	1	1	54
Finland	1,142	1,749	2,428
France	2	63	126
Germany (West)	60	100	77
Ireland	1	1	1
Italy	1	4	2
Netherlands	2	1	3
Norway	602	881	942
Portugal	2	48	132
Spain	2	1	8
Sweden	2,306	3,230	3,997
Switzerland	15	22	8
Latin America			
Brazil	1	3	29
Chile	1	15	62
Africa, Asia (except China), Oceania			
Republic of South Africa	1	82	278
Japan	1	22	10
Australia	1	1	1
New Zealand	1	78	83
Sub total	6,191	10,244	14,077
Other countries			
Bulgaria	1	1	2
Czechoslovakia	39	49	2
Germany (East)	2	2	2
Hungary	1	1	2
Romania	2	2	2
Poland	2	2	2
U.S.S.R.	75	269	2
Yugoslavia	1	43	46
Sub total	114	361	490⁴
Total	6,305	10,605	14,567⁴

1. Nil.

2. Not available.

3. Negligible amount.

4. Estimated.

Sources: Canadian Pulp and Paper Association and United States Pulp Producers Association, except estimates for Other Countries based on F.A.O. data (not yet available for 1966).

World forestry data	Area of productive forest ¹	Growing stock conifers ²	Growing stock non- conifers ²	Roundwood production ³ average 1960-62 industrial	Roundwood production ³ average 1960-62 fuelwood
	'000,000 acres	'000,000 cu.ft.	'000,000 cu.ft.	'000,000 cu.ft.	'000,000 cu.ft.
Canada	554	671	176	3,143	247
United States	474	494	212	9,146	1,377
Central America	126	7	21	247	1,271
South America	741	18	2,720	918	5,474
Africa	692	4	131	777	6,145
Europe	299	268	152	7,875	3,531
U.S.S.R.	1,730	2,331	459	9,076	3,567
Asia	815	212	388	4,309	9,111
Pacific Area	119	14	120	565	318
Total	5,550	4,019	4,379	36,056	31,041

1. Excludes unstocked and unclassified forest lands and protection forests.

2. Covers 55% forest area. Covers most of the coniferous but only a small part of the non-coniferous forest area. Includes bark.

3. Does not include bark.

Source: FAO World Forest Inventory 1963, as reported by the Economics Research Institute, Department of Forestry.

World production and consumption of newsprint

	Production 1950	Production 1960	Production 1966	Consumption 1950	Consumption 1960	Consumption 1966
	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons	'000 Tons
North America	6,293	8,777	10,827	6,285	7,867	9,844
Canada	5,279	6,739	8,419	355	487	620
United States	1,015	2,038	2,408	5,930	7,379	9,223
Western Europe	2,533	4,133	5,296	1,890	4,013	5,081
Austria	79	152	149	30	52	73
Belgium and Luxembourg	68	104	103	86	131	163
Denmark	1	1	1	60	98	150
Finland	460	744	1,330	40	87	107
France	327	485	510	312	548	644
Greece	1	1	1	16	24	45
Germany (West)	187	254	256	230	588	855
Ireland	1	5	6	29	39	57
Italy	95	325	535	97	331	490
Netherlands	95	160	193	79	190	278
Norway	175	247	385	30	53	66
Portugal	3	18	9	12	26	37
Spain	25	66	104	28	74	161
Sweden	358	641	759	138	211	281
Switzerland	52	99	132	51	95	131
United Kingdom	609	831	825	650	1,464	1,530
Other countries	1	1	1	1	2	2
Latin America (except Cuba)	52	140	271	382	662	871
Argentina	1	11	2	110	159	221
Brazil	34	59	125	96	204	151
Chile	12	57	124	33	30	52
Colombia	1	1	1	21	36	50
Mexico	1	13	19	44	110	161
Peru	4	1	1	14	20	4
Venezuela	1	1	1	12	26	60
Other countries	1	1	1	53	78	171
Africa, Middle East, other Asia (except China), Oceania	191	1,113	1,894	597	1,780	2,530
Republic of South Africa	1	1	91	43	84	171
United Arab Republic, Egypt	1	1	1	15	25	30
Rhodesia	1	1	6	2	7	1
Israel	1	5	8	2	7	15
Turkey	5	11	27	12	23	59
Cambodia	1	1	1	3	3	1
Hong Kong	1	1	1	8	22	30
India	1	25	32	68	106	130
Indonesia	1	1	1	7	22	21
Japan	145	810	1,301	139	804	1,301
Korea	2	30	60	8	47	61
Pakistan	1	24	36	6	22	2
Philippines	1	1	1	21	39	51
Thailand	1	1	1	3	20	21
Taiwan	4	13	19	6	11	16
Australia	35	100	106	186	372	408
New Zealand	1	95	206	31	76	84
Other countries	1	1	1	40	95	131
Sub total	9,068	14,163	18,288	9,153	14,321	18,331
Other countries (estimates)						
Bulgaria	1	1	1	8	14	28
Cuba	1	16	2	31	45	26
Czechoslovakia	34	37	95	22	31	49
Germany (East)	68	98	105	64	94	105
Hungary	10	1	1	20	24	37
Poland	65	85	80	65	60	71
Romania	33	49	58	33	45	58
U.S.S.R.	257	478	972	239	391	813
Yugoslavia	1	31	58	13	41	49
China	2	2	2	2	2	2
Sub total	467	794	1,368	495	745	1,234
Total	9,535	14,957	19,656	9,648	15,065	19,564

1. Nil.

2. Not available.

3. Less than 500 tons.

Source: Annual World Surveys compiled by the Newsprint Association of Canada.

World exports of newsprint	1950	1960	1966
	'000 Tons	'000 Tons	'000 Tons
North America			
<i>Canada</i>	4,956	6,265	7,764
<i>United States</i>	44	135	99
Western Europe			
<i>Austria</i>	48	100	76
<i>Belgium and Luxembourg</i>	6	46	37
<i>Finland</i>	416	660	1,210
<i>France</i>	19	28	1
<i>Germany (West)</i>		1	12
<i>Italy</i>	7	9	50
<i>Netherlands</i>	25	47	48
<i>Norway</i>	148	192	304
<i>Portugal</i>		1	1
<i>Spain</i>			5
<i>Sweden</i>	226	436	474
<i>Switzerland</i>	2	4	1
<i>United Kingdom</i>	114	56	3
Latin America			
<i>Chile</i>		32	71
Africa:			
<i>Rhodesia</i>			2
Asia (except China)			
<i>Japan</i>	7	7	26
<i>Pakistan</i>		3	10
<i>Taiwan</i>		2	1
Oceania			
<i>Australia</i>		1	3
<i>New Zealand</i>		55	124
Sub total	6,017	8,078	10,319
Other countries (estimates)			
<i>Czechoslovakia</i>	12	9	47
<i>Germany (East)</i>	4	14	10
<i>Poland</i>	3	25	13
<i>Romania</i>		3	2
<i>U.S.S.R.</i>	19	104	197
<i>Yugoslavia</i>			9
<i>China</i>	2	2	2
Sub total	38	155	278
Total	6,054	8,233	10,597

1. Less than 500 tons.

2. Not available.

Source: Annual World Survey compiled by the Newsprint Association of Canada.



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~~Reference~~

23612

1972

HD 9834

C22 C33

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