



"HEMLOCK", from the painting for the pulp and paper industry by Albert Cloutier

# *Reference Tables*

*April, 1954*

CANADIAN PULP AND PAPER ASSOCIATION  
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# CANADA'S PULP AND PAPER INDUSTRY

1. The Canadian pulp and paper industry is one of the major industrial enterprises of the world.
2. In newsprint paper, Canada has a production five times that of any other country. She provides newsprint for over half the newspaper pages printed throughout the world. Canada is also a leading exporter of pulps in the world; and at the same time has a large production of papers and paperboards of every type and kind.
3. Canada is the greatest exporter of pulp and paper in the world. About 82 per cent of her total pulp and paper production moves abroad and 93 per cent of her newsprint is exported.
4. The domestic trade in pulp and paper would alone make the industry a leader in Canadian trade. The fifth of the pulp and paper output sold at home has a value half again as great as Canada's output of gold.
5. Amidst Canadian industry, pulp and paper stands first in employment; first in total wages paid; first in export values; first in value of production; first in capital invested.
6. Canada's output of pulp and paper of about \$1.1 billion a year equals in value Canada's total annual mineral production; it is one and a half times as great as the gross value of production of the automobile industry; and it is about twice the gross value of the nation's production of petroleum products.
7. Pulp and paper is exporting at the rate of about \$900 million annually. It is the largest item in Canada's trade abroad accounting for 32 per cent of the exports to the United States and 21 per cent of all exports.
8. Fluctuations in the national income closely parallel variations in pulp and paper production. The ups and downs in Canadian exports also closely follow the trend of pulp and paper exports. Prosperity in the industry and in Canada are inseparable.
9. Pulp and paper is the largest industrial buyer of goods and services in the Dominion. In 1952 it paid out \$369 million in wages, \$200 million for transportation, \$209 million for supplies and electricity, and \$114 million for purchases of pulpwood.
10. The annual wage bill of the industry exceeds \$369 million of which \$225 million went to mill workers and the remainder to woods workers. No single industry pays more. No industry has a better labour-management record. Generally, wages and working conditions in the mills are covered by collective labour agreements.
11. In hydro-electric power, Canada is the second nation in the world. Pulp and paper has been largely responsible for the development of Canadian hydro-electric resources. Pulp and paper mills use about one quarter of all the electricity consumed throughout the nation.
12. There are 87 pulp and paper companies in Canada, some large some small, operating 132 mills in seven provinces. In addition to pulps and newsprint, they have a highly developed production of fine paper, wrapping paper, tissues, paperboard, and other cellulose products.
13. Canada's rag papers, fine papers, specialty papers, wrapping papers, and paperboards are of a quality unsurpassed anywhere. Canada produces a thousand varieties of pulps, papers, paperboards, and specialty pulp and paper products.
14. In the value of its production the pulp and paper industry has headed the list of Canadian peacetime manufacturing industries for a score of years.
15. The value of pulp and paper's annual production is close to five per cent of the gross national product. The operations of the industry generate, directly and indirectly, one of every eight dollars in the income of every Canadian.
16. Including woods operations, pulp and paper produces employment for some 300,000 workers; helps directly to provide a livelihood for a million Canadians; and indirectly supports hundreds of thousands more as one of the chief buyers of transportation, power, fuel, supplies, and equipment.



17. Pulp and paper represents the savings of many thousands of Canadians who, over the years, have received few dividends.

18. The export pulp markets are worth some \$250 million annually to Canada. Paper exports are worth about another \$638 million. Every Canadian has an interest in the maintenance of these markets.

19. The pulp and paper industry has made its own way against world competition without subsidies, price floors, guarantees, or similar forms of public financial assistance. In war or peace, the industry has always been a contributor to — never a drain on — the public treasury. Canada has no better asset, nor any worth more care.

20. The four great sources of Canadian wealth are forests, farms, minerals, and water power. The pulp and paper industry uses the water power to convert the forest crop into dollars of national income chiefly obtained from abroad by exports, and chiefly paid out in wages.

21. Of the average annual forest consumption in the ten years ending 1951, Canadian pulp and paper mills accounted for 21.5 per cent; fuelwood for 20.9 per cent; timber and other products for 34 per cent; log exports for 4.9 per cent; and fire, insects, and disease for 18.7 per cent.

22. With an investment exceeding \$1.6 billion in plants which cannot be moved and which cannot operate without pulpwood, and as the largest leaseholder of Crown woodlands, pulp and paper has a vital interest in the maintenance of the forests and in their conservation for future use. The industry is engaged in implementing on its limits its declared Forest Policy of perpetual yield.

23. Spurred by self-interest and its responsibilities, pulp and paper employs some hundreds of trained foresters whose aim is the scientific cutting of the forests and their conservation for future use. Selective and other cutting methods pursued encourage natural regrowth. Pulp and paper spends large sums for the protection of the forests from fire and other hazards. The industry operates the best managed forests in Canada.

24. Provincial governments, which control the natural resources, have set up departments to deal with the forests. The Dominion government's expenditures on forest matters have been considerably below the level of expenditures for much less important national assets.

25. Through constant and vigorous research, pulp and paper is discovering new products, using more tree species, eliminating waste, and improving its operations in mills and woods. The Pulp and Paper Research Institute of Canada is recognized as a chief centre of world knowledge on wood, on pulp, and on paper.

26. Over 90 per cent of the Canadian forests are owned by the public. Canada's forests cover an area more than twice that of all her land having a present or potential value for agriculture.

27. Replacement of the annual depletion in the accessible productive forest areas requires an average annual growth of 11 cubic feet per acre. While there is a small growth in many areas, over large tracts the Federal Forestry Branch has recorded growths of from 25 to 40 cubic feet per annum. It appears that the existing forests can supply the present demands made upon them. A reduction in the fire, insect, and disease hazards would permit a substantial development of the forest industries.

28. Through devastation by fire, insects, and disease, nearly as much of the forest crumbles into decay or goes up in smoke as is used to produce pulp, paper, and paperboard. Unless these ravages be checked, the depletion of the forests will ultimately exceed the increment. Fires often make impossible the proper regeneration of the forests

29. The pulp and paper industry leases a total of 182,776 square miles of woodlands from which it harvests a total annual crop of less than one-eighth of a cord per acre. All scientific measurements made to date indicate an average growth in excess of this figure. In short, these woodlands are not being over-cut, nor is the annual harvest impairing their forest capital. Indeed, by forest management and better utilization, the productivity of these forests is being increased. Every Canadian benefits from the industry's forest policy of perpetual yield.

## *Introduction*

These tables annually present a succinct picture of pulp and paper operations, their intimate relationship with the forest resources and the forest crop, and something, too, of the importance of the industry in the economy of Canada.

Every effort has been made to include herein as many 1953 figures as possible; but in many instances it has been impossible either to obtain the 1953 figures or to provide informed estimates. Particularly is this so of 1953 dollar value figures many of which will not be available from government sources until the end of 1954.

While the material herein is clearly set forth in the index, it should be noted that in Section "F" may be found, not only the figures revealing the national significance of the industry, but also general statistics covering its operations as a whole.

In most of the newsprint tables in Section "D", the Newfoundland statistics have been consolidated with those of Canada for all preceding years. Elsewhere, the figures prior to 1949 have not been consolidated as Newfoundland statistics were not compiled on the same basis as those of the Dominion Bureau of Statistics. The figures covering Newfoundland's production up to 1948 will be found in Tables 37, 48 and 72.

The publication of these tables has largely been made possible through the kindly aid of L. J. Pouliot, chief of the Forestry Section of the Dominion Bureau of Statistics; and to him grateful acknowledgment is made.

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# "A"—FORESTS AND PULPWOOD

Table 1.

## Forest Extent — 1953

|                                                                                            | Square Miles |
|--------------------------------------------------------------------------------------------|--------------|
| Forested Areas of Canada*: . . . . .                                                       | 1,485,870    |
| All of which, save for 123,000 square miles, lies within the ten provinces.                |              |
| Forested Areas Classed as Unproductive: . . . . .                                          | 658,708      |
| Small trees in adverse locations not expected to reach merchantable size.                  |              |
| Productive Forest Areas: . . . . .                                                         | 827,162      |
| Capable of producing continuous crops of timber.                                           |              |
| Productive Forest Not Presently Accessible: . . . . .                                      | 249,000      |
| Accessible Productive Forests: . . . . .                                                   | 578,162      |
| Two-fifths of this area bears trees large enough for use; the remainder is younger growth. |              |
| Privately Owned Forests                                                                    |              |
| Farm wood lots . . . . .                                                                   | 35,594       |
| Others . . . . .                                                                           | 61,327       |
|                                                                                            | 96,921       |
| Cutting Rights Leased by the Crown:                                                        |              |
| Pulp and paper licences . . . . .                                                          | 182,776      |
| Saw timber licences . . . . .                                                              | 33,361       |
| Timber sales . . . . .                                                                     | 4,128        |
| Permit berths . . . . .                                                                    | 711          |
|                                                                                            | 220,976      |

\* Excluding Labrador.

Source: Federal Forestry Branch.

Table 2.

## Forest Volume — 1953

| In 000,000's of cubic feet of merchantable timber* |         |
|----------------------------------------------------|---------|
| Accessible Forests:                                |         |
| Conifers . . . . .                                 | 219,955 |
| Broad leaved . . . . .                             | 55,313  |
| Presently Inaccessible Forests:                    |         |
| Conifers . . . . .                                 | 107,871 |
| Broad leaved . . . . .                             | 14,174  |

\* Excluding Labrador.

Source: Federal Forestry Branch.

Table 3.

## Forest Consumption

| Average Annual Depletion 1942-1951*            |                  |       |       |
|------------------------------------------------|------------------|-------|-------|
|                                                | 000's of cu. ft. | %     | %     |
| Logs and bolts for domestic use . . . . .      | 1,127,126        | 31.2  | 38.4  |
| Logs and bolts for export . . . . .            | 13,611           | 0.4   | 0.5   |
| Pulpwood for domestic use . . . . .            | 777,568          | 21.5  | 26.5  |
| Pulpwood for export . . . . .                  | 162,128          | 4.5   | 5.5   |
| Fuelwood . . . . .                             | 752,578          | 20.9  | 25.6  |
| Ties, poles, pit-props, posts, rails . . . . . | 65,868           | 1.8   | 2.3   |
| Miscellaneous . . . . .                        | 35,730           | 1.0   | 1.2   |
|                                                | 2,934,609        |       | 100.0 |
| Fire . . . . .                                 | 175,453          |       |       |
| Insects and disease . . . . .                  | 675,453          | 18.7  |       |
|                                                | 3,610,062        | 100.0 |       |

\* Island of Newfoundland, but not Labrador, included since 1949.

Source: Federal Forestry Branch.

Table 4.

## Forest Holdings — 1953

|                                       | Sq. Miles | Per Cent |
|---------------------------------------|-----------|----------|
| Private holdings . . . . .            | 96,921    | 6.5      |
| Crown Lands                           |           |          |
| Leased by pulp and paper cos. . . . . | 182,776   | 12.3     |
| Leased by others . . . . .            | 38,200    | 2.6      |
| Reserves and parks . . . . .          | 289,421   | 19.5     |
| Unoccupied . . . . .                  | 878,552   | 59.1     |
| Total Forested Land* . . . . .        | 1,485,870 | 100.0    |

\* Excluding Labrador.

Source: Federal Forestry Branch.

Table 5.

## Coniferous Stands — 1952

| Estimated Stands of Accessible Conifers by Provinces | Millions of cubic feet | Pulp Production Tons — 1952 |
|------------------------------------------------------|------------------------|-----------------------------|
| Newfoundland* . . . . .                              | 3,337                  | †                           |
| Prince Edward Island . . . . .                       | 61                     | nil                         |
| Nova Scotia . . . . .                                | 2,939                  | †                           |
| New Brunswick . . . . .                              | 6,100                  | †                           |
| Quebec . . . . .                                     | 45,928                 | 4,192,047                   |
| Ontario . . . . .                                    | 54,589                 | 2,308,722                   |
| Manitoba . . . . .                                   | 1,004                  | †                           |
| Saskatchewan . . . . .                               | 5,147                  | nil                         |
| Alberta . . . . .                                    | 7,724                  | nil                         |
| British Columbia . . . . .                           | 88,248                 | 914,634                     |
| Northwest Territories . . . . .                      | 3,109                  | nil                         |
| Yukon . . . . .                                      | 1,769                  | nil                         |
| Nfld., N.S., N.B. and Manitoba . . . . .             | 219,955                | 1,552,606                   |
|                                                      |                        | 8,968,009                   |

† Figures for Nfld., N.S., N.B. and Manitoba are not published separately.

\* Excluding Labrador.

Sources: Federal Forestry Branch and Dominion Bureau of Statistics.

Table 6.

## Forest Increment

### Pulp and Paper Figures:

The relation between consumption and growth in the forests of the pulp and paper industry may thus be summarized:

1. The industry leases a total of 182,776 square miles of woodlands from the provincial governments.
2. The annual crop from these limits, together with other losses, averages less than one eighth of a cord per acre.
3. All scientific measurements made to date indicate a growth on the limits well in excess of an eighth of a cord per acre.
4. The forests leased by the companies are usually operated under a management plan approved and supervised by the provincial government involved and the cut is not permitted to exceed the growth. For example, in Quebec all but 2 per cent of the areas leased by the pulp and paper companies are operated under these government-approved management plans.

The industry has a declared Forest Policy of perpetual yield and the companies generally have stated that their woodlands are managed to provide a crop in perpetuity.

Source: Woodlands Section, Canadian Pulp and Paper Association.

### Over-all Figures

Complete estimates of the growth in the Canadian forests as a whole have not been compiled, that the following facts are known:

Cubic feet per acre

While there is but a small growth in many areas, over considerable tracts growths have been recorded by the Federal Forestry Branch of:

Managed forests in Scandinavia produce:

Replacement of annual depletion in the accessible productive forest areas requires an annual average growth of:

The foregoing figures do not indicate that there is cause for complaisance regarding the future maintenance of the forests and their proper conservation for use.

Other factors affecting these figures include:

1. While the annual increment appears to exceed the annual depletion, no comprehensive and proper estimate of forest increment in Canada as a whole has yet been prepared.
2. Insects and diseases in the forests periodically reach epidemic proportions; unless checked they will affect the existing balance between depletion and increment.
3. In many instances the depletion is concentrated in the more accessible areas. Growth that accrues in more remote areas is not used.
4. Repeated fires retard and often make impossible the proper regeneration of the forests.
5. Land tenures are often such that there is no economic or other urge upon some loggers to operate along scientific methods.

Source: Federal Forestry Branch.



Table 7.  
Wood Used by Mills — 1952

|                                                    | Per Cent |
|----------------------------------------------------|----------|
| From farmers and other small holdings . . . . .    | 22       |
| Other purchases, including sawmill waste . . . . . | 12       |
| Total purchased . . . . .                          | 34       |
| Cut from owned or leased limits . . . . .          | 66       |
|                                                    | 100      |

Source: Dominion Bureau of Statistics.

Table 8.  
Species of Wood Used by Pulp and Paper Mills — 1952

|                             | Cords      | Per Cent |
|-----------------------------|------------|----------|
| <b>Pulpwood:</b>            |            |          |
| Spruce and Balsam . . . . . | 9,878,940  | 82.6     |
| Jack Pine . . . . .         | 693,891    | 5.8      |
| Hemlock . . . . .           | 526,187    | 4.4      |
| Other softwoods . . . . .   | 47,309     | 0.4      |
| Poplar . . . . .            | 421,847    | 3.5      |
| Other hardwoods . . . . .   | 72,017     | 0.6      |
|                             | 11,640,191 | 97.3     |
| Other Wood (x) . . . . .    | 317,556    | 2.7      |
|                             | 11,957,747 | 100.0    |

(x) — Includes chips, slabs and edgings, sawdust, butts, and cores.

Source: Dominion Bureau of Statistics.

Table 9.  
Pulpwood Production — Cords

|                | Apparent Production | Consumption | Exports   | Imports |
|----------------|---------------------|-------------|-----------|---------|
| 1920 . . . . . | 4,024,826           | 2,777,422   | 1,247,404 |         |
| 1921 . . . . . | 3,273,131           | 2,180,578   | 1,092,553 |         |
| 1922 . . . . . | 3,923,940           | 2,912,608   | 1,011,332 |         |
| 1923 . . . . . | 4,654,663           | 3,270,433   | 1,384,230 |         |
| 1924 . . . . . | 4,647,201           | 3,316,951   | 1,330,250 |         |
| 1925 . . . . . | 5,092,461           | 3,668,959   | 1,423,502 |         |
| 1926 . . . . . | 5,621,305           | 4,229,567   | 1,391,738 |         |
| 1927 . . . . . | 5,929,456           | 4,387,687   | 1,541,769 |         |
| 1928 . . . . . | 6,295,912           | 4,796,320   | 1,532,266 | 32,674  |
| 1929 . . . . . | 6,536,335           | 5,278,422   | 1,294,995 | 37,082  |
| 1930 . . . . . | 5,977,183           | 4,741,349   | 1,330,466 | 94,632  |
| 1931 . . . . . | 5,199,914           | 4,148,279   | 1,123,330 | 71,695  |
| 1932 . . . . . | 4,222,224           | 3,647,754   | 620,124   | 45,654  |
| 1933 . . . . . | 4,746,383           | 4,044,876   | 718,556   | 17,049  |
| 1934 . . . . . | 5,773,970           | 4,766,604   | 1,021,285 | 13,919  |
| 1935 . . . . . | 6,095,016           | 5,005,083   | 1,109,873 | 19,940  |
| 1936 . . . . . | 7,002,057           | 5,775,894   | 1,235,754 | 9,591   |
| 1937 . . . . . | 8,298,165           | 6,613,639   | 1,705,031 | 20,505  |
| 1938 . . . . . | 6,438,344           | 4,719,753   | 1,752,259 | 33,668  |
| 1939 . . . . . | 6,899,986           | 5,386,240   | 1,539,440 | 25,694  |
| 1940 . . . . . | 8,499,922           | 6,996,119   | 1,551,429 | 47,626  |
| 1941 . . . . . | 9,544,699           | 7,688,388   | 1,856,392 | 81      |
| 1942 . . . . . | 9,653,574           | 7,667,438   | 1,987,850 | 1,714   |
| 1943 . . . . . | 8,801,368           | 7,263,155   | 1,540,592 | 2,379   |
| 1944 . . . . . | 8,668,566           | 7,177,639   | 1,499,136 | 8,209   |
| 1945 . . . . . | 9,145,673           | 7,478,508   | 1,671,298 | 4,133   |
| 1946 . . . . . | 10,523,256          | 8,684,756   | 1,855,381 | 16,881  |
| 1947 . . . . . | 11,484,522          | 9,551,050   | 1,983,980 | 50,508  |
| 1948 . . . . . | 12,497,926          | 10,256,549  | 2,317,346 | 75,969  |
| 1949 . . . . . | 11,850,254          | 10,243,467  | 1,612,278 | 5,491   |
| 1950 . . . . . | 12,873,476          | 11,166,798  | 1,734,898 | 28,220  |
| 1951 . . . . . | 15,053,910          | 12,229,371  | 2,871,173 | 46,634  |
| 1952 . . . . . | 14,102,670          | 11,640,191  | 2,493,263 | 30,784  |
| 1953 . . . . . | 13,343,785e         | 11,643,388e | 1,749,202 | 48,805  |

e: Canadian Pulp and Paper Association estimate.

Note: Prior to 1946 "Apparent Production" and "Consumption" figures include small quantities of sawmill chips, slabs and edgings, sawdust, butts, and cores.

Apparent production estimated on the basis of consumption plus exports minus imports.

Imports not reported prior to 1928.

All quantities are given in terms of rough or unpeeled wood.

Source: Dominion Bureau of Statistics.

Table 10.  
Pulpwood Production — Value

|                | Apparent Production | Consumption  | Exports      | Imports   |
|----------------|---------------------|--------------|--------------|-----------|
| 1920 . . . . . | \$61,183,060        | \$45,404,889 | \$15,778,171 |           |
| 1921 . . . . . | 52,900,872          | 38,283,262   | 14,617,610   |           |
| 1922 . . . . . | 50,735,361          | 40,375,599   | 10,359,762   |           |
| 1923 . . . . . | 57,119,596          | 43,594,592   | 13,525,004   |           |
| 1924 . . . . . | 57,777,640          | 44,241,582   | 13,536,058   |           |
| 1925 . . . . . | 62,181,537          | 48,012,602   | 14,168,935   |           |
| 1926 . . . . . | 68,262,873          | 54,195,845   | 14,067,030   |           |
| 1927 . . . . . | 70,284,895          | 54,582,190   | 15,702,705   |           |
| 1928 . . . . . | 74,587,833          | 59,578,417   | 15,269,660   | \$260,244 |
| 1929 . . . . . | 76,120,063          | 63,101,138   | 13,314,738   | 295,813   |
| 1930 . . . . . | 67,529,612          | 54,788,730   | 13,611,617   | 870,735   |
| 1931 . . . . . | 51,973,243          | 43,120,740   | 9,359,592    | 507,089   |
| 1932 . . . . . | 36,750,910          | 32,192,066   | 4,830,506    | 271,662   |
| 1933 . . . . . | 33,213,973          | 28,609,247   | 4,696,459    | 91,733    |
| 1934 . . . . . | 38,302,807          | 31,675,325   | 6,680,307    | 52,825    |
| 1935 . . . . . | 41,195,871          | 34,265,329   | 7,041,052    | 110,510   |
| 1936 . . . . . | 48,680,200          | 40,455,656   | 8,276,423    | 51,879    |
| 1937 . . . . . | 63,057,205          | 51,081,661   | 12,088,329   | 112,785   |
| 1938 . . . . . | 53,761,999          | 40,326,689   | 13,641,798   | 206,488   |
| 1939 . . . . . | 58,302,668          | 46,558,645   | 11,901,480   | 157,457   |
| 1940 . . . . . | 74,347,132          | 62,230,155   | 12,521,880   | 404,903   |
| 1941 . . . . . | 88,193,045          | 72,264,544   | 15,928,826   | 325       |
| 1942 . . . . . | 103,619,151         | 83,318,870   | 20,314,253   | 13,972    |
| 1943 . . . . . | 110,844,790         | 92,308,272   | 18,565,265   | 28,747    |
| 1944 . . . . . | 124,363,926         | 104,477,689  | 20,012,285   | 126,048   |
| 1945 . . . . . | 146,172,701         | 122,347,847  | 23,881,928   | 57,074    |
| 1946 . . . . . | 183,085,359         | 154,581,001  | 28,731,150   | 226,792   |
| 1947 . . . . . | 237,488,741         | 203,738,527  | 34,528,884   | 778,670   |
| 1948 . . . . . | 284,656,819         | 242,338,302  | 43,572,868   | 1,254,351 |
| 1949 . . . . . | 270,697,980         | 240,379,337  | 30,383,947   | 65,304    |
| 1950 . . . . . | 285,762,620         | 252,664,002  | 33,589,962   | 491,344   |
| 1951 . . . . . | 381,920,846         | 316,600,016  | 66,077,108   | 756,278   |
| 1952 . . . . . | 396,102,104         | 334,824,403  | 61,837,059   | 559,358   |
| 1953 . . . . . | n.a.                | n.a.         | 42,703,886   | 878,687   |

n.a.: Not available.

Apparent production estimated on the basis of consumption plus exports minus imports.

Imports not reported prior to 1928.

All quantities are given in terms of rough or unpeeled wood.

Source: Dominion Bureau of Statistics.

Table 11.  
Cords, Cubic Feet, and Board Measure

A standard cord is a stack of wood 4 x 4 x 8 feet containing 128 cubic feet of wood, bark, and interstices. A cord usually contains about 85 cubic feet of solid wood, but the content varies with the size of the logs.

In the lumber industry, wood is usually measured by the board foot. A board foot is the equivalent of a board one inch in thickness and one square foot in surface area. The relationship between board measure and cord measure varies in different sections of the Dominion. Usually, 2 cords are considered to be equivalent to about 1000 feet board measure. But this ratio also varies with the size and type of the wood.

Source: Federal Forestry Branch.

Table 12.  
Sources of Supply of Pulpwood, 1952

| Provinces and Sources               | Proportion | Average value per cord |
|-------------------------------------|------------|------------------------|
| Quebec . . . . .                    | 100.00     | \$29.87                |
| Purchased . . . . .                 | 32.13      | 28.52                  |
| From own or leased limits . . . . . | 67.87      | 30.51                  |
| Ontario . . . . .                   | 100.00     | 28.38                  |
| Purchased . . . . .                 | 35.38      | 28.20                  |
| From own or leased limits . . . . . | 64.62      | 28.47                  |
| British Columbia . . . . .          | 100.00     | 34.40                  |
| Purchased . . . . .                 | 60.85      | 35.25                  |
| From own or leased limits . . . . . | 39.15      | 32.93                  |
| Other Provinces* . . . . .          | 100.00     | 24.54                  |
| Purchased . . . . .                 | 27.40      | 25.62                  |
| From own or leased limits . . . . . | 72.60      | 24.14                  |
| Canada . . . . .                    | 100.00     | 28.76                  |
| Purchased . . . . .                 | 34.02      | 28.81                  |
| From own or leased limits . . . . . | 65.98      | 28.74                  |

\* Newfoundland, Nova Scotia, New Brunswick and Manitoba.

Source: Dominion Bureau of Statistics.



## "B"—PRODUCTION AND MARKETS

Table 13.

### Pulpwood Production 1952

|                                           | Cords      | Value         |
|-------------------------------------------|------------|---------------|
| Apparent pulpwood production . . . . .    | 14,102,670 | \$396,102,104 |
| Pulpwood imports . . . . .                | 30,784     | 559,358       |
| Total supply . . . . .                    | 14,133,454 | \$396,661,462 |
| Less pulpwood exports . . . . .           | 2,493,263  | 61,837,059    |
| Pulpwood used in Canadian mills . . . . . | 11,640,191 | \$334,824,403 |

Source: Dominion Bureau of Statistics.

Table 14.

### Apparent Pulpwood Production by Provinces 1952

| Provinces                  | Cords (a)  | Value         |
|----------------------------|------------|---------------|
| Quebec . . . . .           | 6,583,065  | \$192,714,529 |
| Ontario . . . . .          | 3,603,839  | 97,204,548    |
| British Columbia . . . . . | 929,959    | 31,707,411    |
| Other Provinces . . . . .  | 2,985,807  | 74,475,616    |
| Canada . . . . .           | 14,102,670 | \$396,102,104 |

a: Quantities are given in terms of rough or unpeeled wood. One cord of peeled pulpwood is equivalent to 1.125 cords of rough or unpeeled wood.

Source: Dominion Bureau of Statistics.

Table 15.

### Wood-Pulp Supply 1952

The pulpwood used in the mills resulted in the following supply:

|                                      | Tons      | Value         |
|--------------------------------------|-----------|---------------|
| Groundwood pulp . . . . .            | 5,175,319 | \$217,352,245 |
| Chemical pulp . . . . .              | 3,518,127 | 423,789,033   |
| Other pulp* . . . . .                | 274,563   | 8,879,033     |
| Total wood-pulp production . . . . . | 8,968,009 | \$650,021,180 |
| Wood-pulp imports . . . . .          | 57,332    | 5,499,093     |
| Total wood-pulp supply . . . . .     | 9,025,341 | \$655,520,273 |
| Wood-pulp exports . . . . .          | 1,940,582 | 291,863,498   |
| New supply** . . . . .               | 7,084,759 | \$363,656,775 |

\* Includes screenings, off-quality, semi-chemical, defibrated and exploded pulp.

\*\* Assuming stocks are the same at beginning and end of year, "New supply" equals apparent domestic consumption. No allowance has been made for any difference in value between pulp made for export and pulp actually exported.

Source: Dominion Bureau of Statistics.

Table 16.

### Total Production 1952

From the foregoing supply of wood-pulp flowed the industry's production as follows:

| Pulp Made for Export                   | Tons      | Value          |
|----------------------------------------|-----------|----------------|
| Mechanical . . . . .                   | 259,001   | \$ 19,637,908  |
| Bleached sulphite . . . . .            | 573,458   | 99,257,981     |
| Unbleached sulphite . . . . .          | 411,382   | 55,847,996     |
| Sulphate . . . . .                     | 621,644   | 96,613,299     |
| Other wood-pulp . . . . .              | 28,785    | 3,883,574      |
| Chemical pulp screenings . . . . .     | 5,748     | 218,471        |
| Mechanical pulp screenings . . . . .   | 5,187     | 73,949         |
|                                        | 1,905,205 | \$ 275,533,178 |
| Pulp Made for Sale in Canada . . . . . | 194,586   | 26,482,771     |
| Total Pulp for Sale . . . . .          | 2,099,791 | \$ 302,015,949 |

#### Paper Production

|                                                   |            |                 |
|---------------------------------------------------|------------|-----------------|
| Exported . . . . .                                | 5,526,127a | 622,136,313     |
| Apparent production for domestic market . . . . . | 1,675,673  | 215,968,795     |
|                                                   | 7,201,800  | \$ 838,105,108  |
| Gross Production . . . . .                        | 9,301,591b | \$1,140,121,057 |

(a) Excludes tonnage of bags, cartons, and other paper products having value of \$2,892,852.

(b) As most of the pulp for domestic sale was utilized in the manufacture of paper, there is some duplication in this figure.

Source: Dominion Bureau of Statistics.

Table 17.

### Output by Products 1952

|                         | tons<br>000' | %     | \$<br>000,000' | %     |
|-------------------------|--------------|-------|----------------|-------|
| Pulp for sale . . . . . | 2,099.8      | 22.6  | 302.0          | 26.5  |
| Newsprint . . . . .     | 5,707.0      | 61.3  | 600.5          | 52.7  |
| Paperboard . . . . .    | 870.2        | 9.4   | 105.9          | 9.3   |
| Other Papers . . . . .  | 624.6        | 6.7   | 131.7          | 11.5  |
|                         | 9,301.6      | 100.0 | \$1,140.1      | 100.0 |

Source: Dominion Bureau of Statistics.

Table 18.

### Markets 1952

These figures show the relation between wood-pulp supply and export markets:

| Pulp Exports                            | Tons      | Value         |
|-----------------------------------------|-----------|---------------|
| To U.S.A. . . . .                       | 1,588,981 | \$225,082,376 |
| To U.K. . . . .                         | 210,685   | 35,208,295    |
| To other countries . . . . .            | 140,916   | 31,572,827    |
| Total pulp exports . . . . .            | 1,940,582 | \$291,863,498 |
| Apparent domestic consumption . . . . . | 7,084,759 | 363,656,775   |
|                                         | 9,025,341 | \$655,520,273 |

Actual wood-pulp consumption in paper-mills, including imports, totalled 7,053,398 tons, valued at \$372,305,100. Together with other paper stock and chemicals, this wood-pulp was converted into 7,201,800 tons of paper and paper board valued at \$350,024,154. The exports from this production, including paper products, were as follows:

| Newsprint Exports (a)            | Tons      | Value         |
|----------------------------------|-----------|---------------|
| To U.S.A. . . . .                | 4,875,064 | \$536,145,130 |
| To U.K. . . . .                  | 133,826   | 14,755,213    |
| To other countries . . . . .     | 345,463   | 42,841,628    |
|                                  | 5,354,353 | \$593,741,971 |
| Other Paper Exports              | Tons      | Value         |
| To U.S.A. . . . .                | 115,355   | \$ 11,927,916 |
| To U.K. . . . .                  | 16,912    | 3,204,072     |
| To other countries . . . . .     | 39,507    | 10,369,502    |
|                                  | 171,774   | \$ 25,501,490 |
| Paper Products Exports (b)       | Tons      | Value         |
| To U.S.A. . . . .                | —         | \$ 1,244,622  |
| To U.K. . . . .                  | —         | 74,205        |
| To other countries . . . . .     | —         | 1,574,025     |
|                                  | —         | \$ 2,892,852  |
| Paper Exports . . . . .          | 5,526,127 | \$622,136,313 |
| Pulp and Paper Exports . . . . . | 7,466,709 | \$913,999,811 |

a: Includes mutilated newsprint.

b: Includes bags, boxes, hanging paper, and miscellaneous paper products.

Source: Dominion Bureau of Statistics.

Table 19.

### Pulp Use and Sale 1952

The figures in this table showing the amount of pulp made for various purposes naturally differ fractionally from those of actual exports, domestic sales, and domestic consumption during the 1952 year.

| Tons                          | Made for<br>own use | Made for<br>Domestic<br>Sale | Made for<br>Export | Total<br>Production |
|-------------------------------|---------------------|------------------------------|--------------------|---------------------|
| Groundwood . . . . .          | 4,895,032           | 21,286                       | 259,001            | 5,175,319           |
| Sulphite . . . . .            | 1,274,779           | 118,476                      | 984,840            | 2,378,095           |
| Sulphate . . . . .            | 432,808             | 37,586                       | 621,644            | 1,092,038           |
| Screenings & others . . . . . | 265,599             | 17,238                       | 39,720             | 322,557             |
|                               | 6,868,218           | 194,586                      | 1,905,205          | 8,968,009           |

Source: Dominion Bureau of Statistics.



Table 20.  
Other Fibre and Paper Stock Used 1952

|                                                                                   | Tons    | Value        |
|-----------------------------------------------------------------------------------|---------|--------------|
| Rags, rag pulp, cotton and flax waste and sweepings, and cotton linters . . . . . | 40,577  | \$ 2,231,984 |
| Old and waste paper and broke (purchased) . . . . .                               | 335,142 | 10,945,249   |
| Straw . . . . .                                                                   | 30,891  | 479,876      |
| Flax fibre and pulp . . . . .                                                     | 2,423   | 289,266      |
| Fibre and leather scrap . . . . .                                                 | 3,241   | 62,752       |
| Manilla stock, including jute bagging, rope, waste, thread, etc. . . . .          | 462     | 51,649       |
| Other paper stock . . . . .                                                       | 4,274   | 101,626      |
|                                                                                   | 417,010 | \$14,162,402 |

Source: Dominion Bureau of Statistics.

Table 21.  
Paper Production 1952

|                          | Tons      | Value         |
|--------------------------|-----------|---------------|
| Newsprint . . . . .      | 5,707,030 | \$600,515,960 |
| Book & Writing . . . . . | 229,061   | 57,644,636    |
| Wrapping . . . . .       | 222,529   | 45,356,720    |
| Paperboard . . . . .     | 870,204   | 105,885,607   |
| Tissue . . . . .         | 79,974    | 18,620,728    |
| All other . . . . .      | 93,002    | 10,081,457    |
|                          | 7,201,800 | \$838,105,108 |

Source: Dominion Bureau of Statistics.

Table 22.  
Pulp and Paper Exports 1953

|                                       | Total Exports    |                      | To U.S.A.        |                      | To Other Countries |                      |
|---------------------------------------|------------------|----------------------|------------------|----------------------|--------------------|----------------------|
|                                       | Tons             | Value                | Tons             | Value                | Tons               | Value                |
| <b>PULP —</b>                         |                  |                      |                  |                      |                    |                      |
| Sulphate — Kraft . . . . .            | 705,659          | \$ 88,707,314        | 641,817          | \$ 82,164,565        | 63,842             | \$ 6,542,749         |
| Bleached . . . . .                    | 534,586          | 72,812,932           | 504,531          | 68,926,699           | 30,055             | 3,886,233            |
| Unbleached . . . . .                  | 171,073          | 15,894,382           | 137,286          | 13,237,866           | 33,787             | 2,656,516            |
| Sulphite — Bleached . . . . .         | 622,889          | 99,872,959           | 470,890          | 73,218,263           | 151,999            | 26,654,696           |
| Dissolving . . . . .                  | 382,960          | 69,171,902           | 238,805          | 43,490,592           | 144,155            | 25,681,310           |
| Paper Grades . . . . .                | 239,929          | 30,701,057           | 232,085          | 29,727,671           | 7,844              | 973,386              |
| Sulphite — Unbleached . . . . .       | 349,619          | 39,133,755           | 252,719          | 28,147,869           | 96,900             | 10,985,886           |
| Strong . . . . .                      | 246,187          | 27,434,271           | 197,252          | 21,926,152           | 48,935             | 5,508,119            |
| News . . . . .                        | 103,432          | 11,699,484           | 55,467           | 6,221,717            | 47,965             | 5,477,767            |
| Total Chemical . . . . .              | 1,678,167        | \$227,714,028        | 1,365,426        | \$183,530,697        | 312,741            | \$ 44,183,331        |
| Mechanical . . . . .                  | 228,467          | 15,828,174           | 190,547          | 13,584,288           | 37,920             | 2,243,886            |
| Bleached . . . . .                    | 49,237           | 3,532,953            | 49,237           | 3,532,953            | —                  | —                    |
| Unbleached . . . . .                  | 179,230          | 12,295,221           | 141,310          | 10,051,335           | 37,920             | 2,243,886            |
| Other Pulp . . . . .                  | 34,914           | 4,887,822            | 34,914           | 4,887,822            | —                  | —                    |
| Screenings . . . . .                  | 8,604            | 244,856              | 8,604            | 244,856              | —                  | —                    |
| Chemical . . . . .                    | 2,929            | 110,874              | 2,929            | 110,874              | —                  | —                    |
| Mechanical . . . . .                  | 5,675            | 133,982              | 5,675            | 133,982              | —                  | —                    |
| Total Miscellaneous . . . . .         | 271,985          | \$ 20,960,852        | 234,065          | \$ 18,716,966        | 37,920             | \$ 2,243,886         |
| <b>TOTAL PULP . . . . .</b>           | <b>1,950,152</b> | <b>\$248,674,880</b> | <b>1,599,491</b> | <b>\$202,247,663</b> | <b>350,661</b>     | <b>\$ 46,427,217</b> |
| <b>NEWSPRINT PAPER —</b>              |                  |                      |                  |                      |                    |                      |
| Standard . . . . .                    | 5,375,251        | 619,033,394          | 4,917,216        | 564,464,267          | 458,035            | 54,569,127           |
| Mutilated . . . . .                   | 11,899           | 777,243              | 10,281           | 686,973              | 1,618              | 90,270               |
| <b>TOTAL NEWSPRINT . . . . .</b>      | <b>5,387,150</b> | <b>\$619,810,637</b> | <b>4,927,497</b> | <b>\$565,151,240</b> | <b>459,653</b>     | <b>\$ 54,659,397</b> |
| <b>OTHER PAPER —</b>                  |                  |                      |                  |                      |                    |                      |
| Wrapping — Coated . . . . .           | 149              | 55,641               | 95               | 28,039               | 54                 | 27,602               |
| Wrapping — Kraft . . . . .            | 10,227           | 1,670,077            | 3,954            | 670,847              | 6,273              | 999,230              |
| Wrapping — n.o.p. . . . .             | 788              | 149,558              | 664              | 108,890              | 124                | 40,668               |
| Book . . . . .                        | 28,401           | 4,872,808            | 23,502           | 3,736,419            | 4,899              | 1,136,389            |
| Bond & Writing . . . . .              | 7,077            | 1,719,073            | 44               | 18,632               | 7,033              | 1,700,441            |
| Paperboard — n.o.p. . . . .           | 34,104           | 3,426,320            | 31,605           | 3,077,771            | 2,499              | 348,549              |
| Roofing & Building . . . . .          | 3,811            | 247,104              | 2,907            | 188,817              | 904                | 58,287               |
| Building & Insulating Board . . . . . | 18,752           | 1,764,374            | 15,821           | 1,508,031            | 2,931              | 256,343              |
| Waste Paper . . . . .                 | 30,890           | 997,737              | 30,814           | 996,064              | 76                 | 1,673                |
| Pulpboard for Wallboard . . . . .     | 17,812           | 1,827,255            | 17,812           | 1,827,255            | —                  | —                    |
| Tissue . . . . .                      | 1,279            | 294,006              | *                | 178                  | 1,279              | 293,828              |
| Toilet . . . . .                      | 759              | 159,959              | *                | 35                   | 759                | 159,924              |
| <b>TOTAL OTHER PAPER . . . . .</b>    | <b>154,049</b>   | <b>\$ 17,183,912</b> | <b>127,218</b>   | <b>\$ 12,160,978</b> | <b>26,831</b>      | <b>\$ 5,022,934</b>  |
| <b>PAPER PRODUCTS — (a)</b>           |                  |                      |                  |                      |                    |                      |
| Bags, Boxes & Cartons . . . . .       | —                | 552,139              | —                | 91,255               | —                  | 460,884              |
| Bags . . . . .                        | —                | 258,182              | —                | 9,174                | —                  | 249,008              |
| Boxes & Cartons . . . . .             | —                | 293,957              | —                | 82,081               | —                  | 211,876              |
| Hangings or Wall Paper . . . . .      | —                | 730,895              | —                | 699,004              | —                  | 31,891               |
| Hanging not Printed . . . . .         | —                | 170,535              | —                | 170,535              | —                  | —                    |
| Writing — n.o.p. . . . .              | —                | 20,261               | —                | 27,867               | —                  | 62,394               |
| Handkerchiefs — Tissues . . . . .     | —                | 20,019               | —                | 747                  | —                  | 19,272               |
| Napkins & Towels . . . . .            | —                | 26,510               | —                | 57                   | —                  | 26,453               |
| Blank Books . . . . .                 | —                | 120,681              | —                | 366                  | —                  | 120,315              |
| Paper — n.o.p. . . . .                | —                | 140,058              | —                | 41,951               | —                  | 98,107               |
| Other Paper Products . . . . .        | —                | 231,289              | —                | 112,445              | —                  | 118,844              |
| <b>TOTAL PAPER PRODUCTS . . . . .</b> | <b>—</b>         | <b>\$ 2,082,387</b>  | <b>—</b>         | <b>\$ 1,144,227</b>  | <b>—</b>           | <b>\$ 938,160</b>    |
| <b>GRAND TOTAL . . . . .</b>          | <b>7,491,351</b> | <b>\$887,751,816</b> | <b>6,654,206</b> | <b>\$780,704,108</b> | <b>837,145</b>     | <b>\$107,047,708</b> |

\* Fraction of a ton.

(a): Weight of paper products is unavailable.

n.o.p.: Not otherwise provided for.

Source: Dominion Bureau of Statistics.



# "C" — PULP STATISTICS

All figures after 1948 include Newfoundland

Table 23. Pulp Production and Exports

| All grades: chemical, mechanical and screenings. |            |               |           |               |
|--------------------------------------------------|------------|---------------|-----------|---------------|
|                                                  | Production |               | Exports   |               |
|                                                  | Tons       | Value         | Tons      | Value         |
| 1920 . . . . .                                   | 1,960,102  | \$141,552,862 | 819,984   | \$ 76,383,978 |
| 1921 . . . . .                                   | 1,549,082  | 78,338,278    | 527,223   | 33,133,675    |
| 1922 . . . . .                                   | 2,150,251  | 84,947,598    | 818,246   | 41,037,849    |
| 1923 . . . . .                                   | 2,475,904  | 99,073,203    | 875,358   | 47,027,496    |
| 1924 . . . . .                                   | 2,465,011  | 90,323,972    | 781,983   | 40,242,972    |
| 1925 . . . . .                                   | 2,772,507  | 100,216,383   | 961,367   | 47,931,905    |
| 1926 . . . . .                                   | 3,229,791  | 115,154,199   | 1,005,780 | 52,077,122    |
| 1927 . . . . .                                   | 3,278,978  | 114,442,550   | 879,154   | 46,996,041    |
| 1928 . . . . .                                   | 3,608,045  | 121,184,214   | 863,801   | 45,614,823    |
| 1929 . . . . .                                   | 4,021,229  | 129,033,154   | 830,848   | 43,367,984    |
| 1930 . . . . .                                   | 3,619,345  | 112,355,872   | 760,220   | 39,059,979    |
| 1931 . . . . .                                   | 3,167,960  | 84,780,809    | 622,537   | 30,056,643    |
| 1932 . . . . .                                   | 2,663,248  | 64,412,453    | 452,293   | 18,930,064    |
| 1933 . . . . .                                   | 2,979,562  | 64,114,074    | 608,510   | 23,354,637    |
| 1934 . . . . .                                   | 3,636,335  | 75,726,958    | 605,641   | 25,444,844    |
| 1935 . . . . .                                   | 3,868,341  | 79,722,039    | 662,475   | 27,625,730    |
| 1936 . . . . .                                   | 4,485,445  | 92,336,953    | 754,496   | 31,246,695    |
| 1937 . . . . .                                   | 5,141,504  | 116,729,228   | 870,716   | 41,815,731    |
| 1938 . . . . .                                   | 3,667,789  | 87,897,148    | 554,037   | 27,730,738    |
| 1939 . . . . .                                   | 4,166,301  | 97,131,817    | 705,516   | 31,000,602    |
| 1940 . . . . .                                   | 5,290,762  | 149,005,267   | 1,068,516 | 60,930,149    |
| 1941 . . . . .                                   | 5,720,847  | 175,439,551   | 1,411,725 | 85,897,736    |
| 1942 . . . . .                                   | 5,606,461  | 192,145,062   | 1,510,746 | 95,266,873    |
| 1943 . . . . .                                   | 5,272,830  | 194,519,152   | 1,556,457 | 100,012,775   |
| 1944 . . . . .                                   | 5,271,137  | 211,041,412   | 1,408,081 | 101,563,024   |
| 1945 . . . . .                                   | 5,600,814  | 231,873,122   | 1,434,527 | 106,054,911   |
| 1946 . . . . .                                   | 6,615,410  | 287,624,227   | 1,418,558 | 114,020,659   |
| 1947 . . . . .                                   | 7,253,671  | 403,853,235   | 1,698,712 | 177,802,612   |
| 1948 . . . . .                                   | 7,675,079  | 485,966,164   | 1,797,998 | 211,564,384   |
| 1949 . . . . .                                   | 7,852,998  | 445,138,494   | 1,557,348 | 171,504,163   |
| 1950 . . . . .                                   | 8,473,014  | 502,583,925   | 1,846,143 | 208,555,549   |
| 1951 . . . . .                                   | 9,314,849  | 727,880,005   | 2,243,307 | 365,132,884   |
| 1952 . . . . .                                   | 8,968,009  | 650,021,180   | 1,940,582 | 291,863,498   |
| 1953 . . . . .                                   | 9,028,987e | n.a.          | 1,950,152 | 248,674,880   |

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 25. Chemical Pulp Exports

| All grades. Screenings not included. |           |          |        |           |
|--------------------------------------|-----------|----------|--------|-----------|
| Tons                                 | Sulphite  | Sulphate | Other  | Total     |
| 1931 . . . . .                       | 385,421   | 54,993   | 3,488  | 443,902   |
| 1932 . . . . .                       | 287,930   | 38,331   | 2,071  | 328,332   |
| 1933 . . . . .                       | 395,715   | 59,320   | 4,738  | 459,773   |
| 1934 . . . . .                       | 376,460   | 88,037   | 7,950  | 472,447   |
| 1935 . . . . .                       | 411,817   | 96,954   | 10,709 | 519,480   |
| 1936 . . . . .                       | 464,739   | 119,400  | 13,373 | 597,512   |
| 1937 . . . . .                       | 546,141   | 122,781  | 11,342 | 680,264   |
| 1938 . . . . .                       | 535,273   | 76,286   | 10,039 | 621,598   |
| 1939 . . . . .                       | 408,846   | 108,869  | 9,059  | 526,774   |
| 1940 . . . . .                       | 708,806   | 136,052  | 12,334 | 857,192   |
| 1941 . . . . .                       | 919,737   | 185,365  | 16,682 | 1,121,784 |
| 1942 . . . . .                       | 1,013,505 | 181,325  | 18,757 | 1,213,587 |
| 1943 . . . . .                       | 1,056,487 | 183,291  | 19,892 | 1,259,670 |
| 1944 . . . . .                       | 960,297   | 178,876  | 17,269 | 1,156,442 |
| 1945 . . . . .                       | 942,874   | 181,015  | 21,771 | 1,145,660 |
| 1946 . . . . .                       | 906,712   | 204,769  | 19,667 | 1,131,148 |
| 1947 . . . . .                       | 1,018,808 | 316,711  | 21,867 | 1,357,386 |
| 1948 . . . . .                       | 1,066,534 | 389,599  | 25,316 | 1,481,449 |
| 1949 . . . . .                       | 838,059   | 470,160  | 27,471 | 1,335,690 |
| 1950 . . . . .                       | 969,340   | 581,994  | 33,059 | 1,584,393 |
| 1951 . . . . .                       | 1,162,360 | 709,467  | 32,958 | 1,904,785 |
| 1952 . . . . .                       | 1,001,207 | 644,923  | 28,984 | 1,675,114 |
| 1953 . . . . .                       | 972,508   | 705,659  | 34,914 | 1,713,081 |

Source: Dominion Bureau of Statistics.

Table 24. Chemical Pulp Production and Exports

| All grades. Screenings not included. |               |                     |               |
|--------------------------------------|---------------|---------------------|---------------|
|                                      | Tons Produced | Value of Production | Tons Exported |
| 1915 . . . . .                       | 331,029       | .....               | 157,469       |
| 1916 . . . . .                       | 468,826       | .....               | 229,147       |
| 1917 . . . . .                       | 540,423       | \$ 38,374,191       | 261,760       |
| 1918 . . . . .                       | 677,683       | 45,243,446          | 402,850       |
| 1919 . . . . .                       | 725,187       | 50,003,450          | 397,578       |
| 1920 . . . . .                       | 848,528       | 90,053,999          | 515,640       |
| 1921 . . . . .                       | 612,467       | 45,929,513          | 303,729       |
| 1922 . . . . .                       | 897,535       | 53,615,692          | 503,486       |
| 1923 . . . . .                       | 1,012,092     | 60,674,518          | 534,251       |
| 1924 . . . . .                       | 986,298       | 53,336,343          | 528,283       |
| 1925 . . . . .                       | 1,084,992     | 59,969,673          | 601,163       |
| 1926 . . . . .                       | 1,251,178     | 69,220,427          | 623,703       |
| 1927 . . . . .                       | 1,278,572     | 69,169,002          | 599,478       |
| 1928 . . . . .                       | 1,392,755     | 72,500,188          | 628,438       |
| 1929 . . . . .                       | 1,501,273     | 76,198,051          | 585,108       |
| 1930 . . . . .                       | 1,265,057     | 63,156,351          | 527,800       |
| 1931 . . . . .                       | 1,086,735     | 46,998,988          | 443,903       |
| 1932 . . . . .                       | 913,438       | 35,987,294          | 328,532       |
| 1933 . . . . .                       | 1,092,601     | 38,510,217          | 459,773       |
| 1934 . . . . .                       | 1,211,619     | 44,535,515          | 472,447       |
| 1935 . . . . .                       | 1,276,308     | 47,153,565          | 519,480       |
| 1936 . . . . .                       | 1,462,659     | 53,356,519          | 597,512       |
| 1937 . . . . .                       | 1,707,889     | 69,538,019          | 680,264       |
| 1938 . . . . .                       | 1,124,312     | 47,990,730          | 421,597       |
| 1939 . . . . .                       | 1,342,448     | 53,369,808          | 526,774       |
| 1940 . . . . .                       | 1,879,812     | 92,553,463          | 857,192       |
| 1941 . . . . .                       | 2,122,292     | 113,128,794         | 1,121,784     |
| 1942 . . . . .                       | 2,246,438     | 126,208,457         | 1,213,587     |
| 1943 . . . . .                       | 2,188,026     | 130,010,210         | 1,259,670     |
| 1944 . . . . .                       | 2,109,169     | 138,140,452         | 1,156,442     |
| 1945 . . . . .                       | 2,154,267     | 144,084,969         | 1,145,660     |
| 1946 . . . . .                       | 2,427,087     | 172,756,674         | 1,131,148     |
| 1947 . . . . .                       | 2,755,977     | 251,273,372         | 1,357,386     |
| 1948 . . . . .                       | 2,997,281     | 310,338,614         | 1,481,449     |
| 1949 . . . . .                       | 2,891,418     | 272,355,430         | 1,335,690     |
| 1950 . . . . .                       | 3,314,250     | 323,330,963         | 1,584,393     |
| 1951 . . . . .                       | 3,814,086     | 503,997,803         | 1,904,785     |
| 1952 . . . . .                       | 3,792,690     | 432,668,009         | 1,675,114     |
| 1953 . . . . .                       | 3,738,776e    | n.a.                | 1,713,081     |

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 26. Destination of Sulphite and Sulphate Pulp Exports

| To:                      | Sulphite  |           | Sulphate  |           |
|--------------------------|-----------|-----------|-----------|-----------|
|                          | 1953 Tons | 1952 Tons | 1953 Tons | 1952 Tons |
| North America . . . . .  | 725,917   | 763,660   | 642,867   | 587,735   |
| United States . . . . .  | 723,609   | 752,165   | 641,817   | 586,464   |
| Mexico . . . . .         | 2,306     | 11,495    | 439       | 711       |
| Cuba . . . . .           | 2         | —         | 611       | 560       |
| Europe . . . . .         | 187,618   | 184,996   | 39,686    | 46,200    |
| United Kingdom . . . . . | 152,527   | 131,422   | 24,503    | 38,561    |
| France . . . . .         | 32,871    | 24,500    | 914       | 1,762     |
| West Germany . . . . .   | 1,725     | 11,640    | 1,399     | 857       |
| Belgium . . . . .        | 29        | 4,271     | 4,447     | 1,819     |
| Italy . . . . .          | 367       | 7,399     | 3,785     | 1,444     |
| Netherlands . . . . .    | —         | 1,851     | 2,554     | 26        |
| Switzerland . . . . .    | —         | 136       | 1,737     | 1,216     |
| Ireland . . . . .        | —         | 223       | 278       | 478       |
| Spain . . . . .          | 99        | 3,554     | 41        | —         |
| Finland . . . . .        | —         | —         | 28        | —         |
| Austria . . . . .        | —         | —         | —         | 37        |
| Asia . . . . .           | 53,477    | 31,779    | 13,417    | 1,293     |
| Japan . . . . .          | 50,495    | 29,202    | 9,780     | 957       |
| India . . . . .          | 2,982     | 2,410     | —         | —         |
| Taiwan . . . . .         | —         | —         | 3,512     | —         |
| Philippines . . . . .    | —         | —         | 125       | —         |
| China . . . . .          | —         | 167       | —         | 336       |
| South America . . . . .  | 1,038     | 13,683    | 9,131     | 5,943     |
| Chile . . . . .          | 657       | 2,019     | 4,668     | 2,802     |
| Colombia . . . . .       | 189       | 1,396     | 2,672     | —         |
| Peru . . . . .           | —         | —         | 1,551     | 659       |
| Brazil . . . . .         | 192       | 9,681     | —         | 1,350     |
| Venezuela . . . . .      | —         | 587       | 90        | 1,132     |
| Puerto Rico . . . . .    | —         | —         | 150       | —         |
| Oceania . . . . .        | 3,910     | 7,089     | 558       | 3,752     |
| Australia . . . . .      | 3,910     | 7,089     | 558       | 3,752     |
| Africa . . . . .         | 548       | —         | —         | —         |
| Egypt . . . . .          | 548       | —         | —         | —         |
| Total Exports . . . . .  | 972,508   | 1,001,207 | 705,659   | 644,923   |

Source: Dominion Bureau of Statistics.



Table 27.

## Bleached Sulphite Pulp

|                 | Production |               | Apparent Consumption (b) |              | Exports  |               | Imports |           |
|-----------------|------------|---------------|--------------------------|--------------|----------|---------------|---------|-----------|
|                 | Tons       | Value         | Tons                     | Value        | Tons     | Value         | Tons    | Value     |
| All Grades      |            |               |                          |              |          |               |         |           |
| 1920 . . . . .  | 138,624    | \$ 21,301,465 | 38,034                   | \$ 6,082,321 | 100,640  | \$ 15,225,226 | 50      | \$ 6,082  |
| 1921 . . . . .  | 154,804    | 14,481,158    | 78,028                   | 6,943,230    | 76,801   | 7,540,128     | 25      | 2,200     |
| 1922 . . . . .  | 146,690    | 11,691,904    | 169                      | —286,705     | 146,705  | 11,993,202    | 184     | 14,593    |
| 1923 . . . . .  | 189,935    | 15,307,069    | 30,269                   | 1,756,598    | 159,873  | 13,568,320    | 207     | 17,849    |
| 1924 . . . . .  | 200,764    | 14,653,587    | 34,975                   | 2,276,040    | 165,868  | 12,383,645    | 79      | 6,098     |
| 1925 . . . . .  | 227,465    | 16,981,584    | 41,897                   | 2,956,482    | 185,888  | 14,049,500    | 320     | 24,398    |
| 1926 . . . . .  | 256,868    | 19,645,060    | 56,131                   | 3,929,938    | 200,994  | 15,734,220    | 257     | 19,098    |
| 1927 . . . . .  | 289,313    | 21,087,792    | 52,299                   | 2,697,969    | 237,227  | 18,407,169    | 213     | 17,546    |
| 1928 . . . . .  | 304,769    | 22,451,771    | 53,520                   | 3,371,582    | 251,542  | 19,112,964    | 293     | 32,775    |
| 1929 . . . . .  | 324,548    | 23,814,234    | 71,327                   | 4,631,905    | 253,809  | 19,246,692    | 588     | 64,363    |
| 1930 . . . . .  | 293,394    | 19,619,367    | 45,587                   | 1,764,164    | 249,098  | 17,954,714    | 1,291   | 99,511    |
| 1931 . . . . .  | 301,357    | 16,978,118    | 39,858                   | 712,918      | 261,700  | 16,282,735    | 201     | 17,535    |
| 1932 . . . . .  | 256,478    | 13,081,700    | 48,928                   | 1,909,832    | 207,711  | 11,181,623    | 161     | 9,755     |
| 1933 . . . . .  | 355,812    | 16,109,572    | 60,775                   | 1,967,673    | 295,111  | 14,145,283    | 74      | 3,384     |
| 1934 . . . . .  | 340,262    | 18,034,000    | 66,205                   | 3,431,395    | 274,144  | 14,607,138    | 87      | 4,533     |
| 1935 . . . . .  | 374,157    | 19,551,605    | 61,119                   | 3,309,409    | 313,144  | 16,249,656    | 106     | 7,460     |
| 1936 . . . . .  | 429,714    | 22,259,923    | 78,094                   | 3,884,783    | 351,651  | 18,373,727    | 31      | 1,587     |
| 1937 . . . . .  | 459,041    | 27,135,378    | 89,187                   | 5,038,025    | 369,874  | 22,099,127    | 20      | 1,774     |
| 1938 . . . . .  | 304,834    | 18,818,095    | 68,457                   | 3,080,445    | 236,438  | 15,742,741    | 61      | 5,091     |
| 1939 . . . . .  | 404,268    | 21,284,125    | 105,477                  | 4,639,358    | 299,686  | 16,697,177    | 895     | 52,410    |
| 1940 . . . . .  | 543,987    | 36,576,496    | 118,166                  | 6,879,197    | 427,482  | 29,812,822    | 1,661   | 115,523   |
| 1941 . . . . .  | 590,812    | 43,408,549    | 110,246                  | 6,363,374    | 481,597  | 37,137,254    | 1,031   | 92,079    |
| 1942 . . . . .  | 597,316    | 43,809,756    | 135,876                  | 7,618,564    | 463,301  | 36,382,124    | 1,861   | 190,932   |
| 1943 . . . . .  | 587,538    | 44,994,159    | 124,638                  | 7,838,345    | 465,946  | 37,528,067    | 3,046   | 372,253   |
| 1944 . . . . .  | 585,699    | 48,767,224    | 154,570                  | 10,565,098   | 434,520  | 38,614,714    | 3,391   | 412,588   |
| 1945 . . . . .  | 603,929    | 50,919,572    | 144,890                  | 8,799,107    | 462,038  | 42,491,042    | 2,999   | 370,577   |
| 1946 . . . . .  | 616,797    | 58,859,624    | 160,415                  | 12,358,355   | 460,503  | 47,013,382    | 4,121   | 512,113   |
| 1947 . . . . .  | 704,749    | 85,671,202    | 175,628                  | 17,145,844   | 534,084  | 69,292,211    | 4,963   | 766,853   |
| 1948 . . . . .  | 731,653    | 99,052,519    | 185,326                  | 21,459,854   | 551,617  | 78,497,251    | 5,290   | 904,586   |
| 1949 . . . . .  | 637,091    | 82,185,350    | 162,300                  | 18,335,394   | 483,615  | 65,100,878    | 8,824   | 1,250,922 |
| 1950 . . . . .  | 760,769    | 101,822,594   | 210,156                  | 24,957,964   | 557,858  | 77,855,345    | 7,245   | 990,715   |
| 1951 . . . . .  | 847,160    | 145,883,749   | 244,906                  | 34,405,137   | 607,315  | 112,339,792   | 5,061   | 861,180   |
| 1952 . . . . .  | 781,762    | 128,560,545   | 219,666                  | 28,958,709   | 569,081  | 101,002,682   | 9,728   | 1,200,846 |
| 1953 . . . . .  | 843,831e   | n.a.          | 227,734e                 | n.a.         | 622,889  | 99,872,959    | 6,792   | 1,072,389 |
| Dissolving Pulp |            |               |                          |              |          |               |         |           |
| 1944 . . . . .  | 235,417    | 21,198,634    | 27,598                   | 2,027,260    | 210,565e | 19,504,292e   | 2,746e  | 332,918e  |
| 1945 . . . . .  | 233,826    | 22,025,991    | 21,440                   | 1,183,404    | 214,816e | 21,147,409e   | 2,430e  | 304,822e  |
| 1946 . . . . .  | 271,563    | 29,401,676    | 29,453                   | 2,554,217    | 244,879  | 27,211,028    | 2,769e  | 363,569e  |
| 1947 . . . . .  | 306,927    | 41,705,429    | 17,845                   | 3,230,819    | 292,125  | 38,976,383    | 3,043e  | 501,773e  |
| 1948 . . . . .  | 340,946    | 50,689,685    | 34,919                   | 5,190,659    | 309,270  | 46,090,922    | 3,243   | 591,896   |
| 1949 . . . . .  | 262,972    | 39,455,746    | 22,738                   | 2,846,383    | 243,095  | 37,146,886    | 2,861   | 537,523   |
| 1950 . . . . .  | 335,736    | 52,891,624    | 46,784                   | 7,687,494    | 290,356  | 45,478,266    | 1,404   | 274,136   |
| 1951 . . . . .  | 408,969    | 81,904,028    | 47,411                   | 10,441,827   | 363,145  | 71,831,848    | 1,587   | 369,647   |
| 1952 . . . . .  | 383,645    | 70,845,884    | 46,981                   | 5,110,092    | 339,407  | 66,364,335    | 2,743   | 628,543   |
| 1953 . . . . .  | 425,579e   | n.a.          | 44,207e                  | n.a.         | 382,960  | 69,171,902    | 1,588   | 353,014   |
| Paper Grades    |            |               |                          |              |          |               |         |           |
| 1944 . . . . .  | 350,282    | 27,568,590    | 126,972                  | 8,537,838    | 223,955e | 19,110,422e   | 645e    | 79,670e   |
| 1945 . . . . .  | 370,103    | 28,893,581    | 123,450                  | 7,615,703    | 247,222e | 21,343,633e   | 569e    | 65,755e   |
| 1946 . . . . .  | 345,234    | 29,457,948    | 130,962                  | 9,804,138    | 215,624  | 19,802,354    | 1,352e  | 148,544e  |
| 1947 . . . . .  | 397,822    | 43,965,773    | 157,783                  | 13,915,025   | 241,959  | 30,315,828    | 1,920e  | 265,080e  |
| 1948 . . . . .  | 390,707    | 48,362,834    | 150,407                  | 16,269,195   | 242,347  | 32,406,329    | 2,047   | 312,690   |
| 1949 . . . . .  | 374,119    | 42,729,604    | 139,562                  | 15,489,011   | 240,520  | 27,953,992    | 5,963   | 713,399   |
| 1950 . . . . .  | 425,033    | 48,930,970    | 163,372                  | 17,270,470   | 267,502  | 32,377,079    | 5,841   | 716,579   |
| 1951 . . . . .  | 438,191    | 63,979,721    | 197,495                  | 23,963,310   | 244,170  | 40,507,944    | 3,474   | 491,533   |
| 1952 . . . . .  | 398,117    | 57,914,661    | 172,685                  | 23,848,617   | 229,674  | 34,638,347    | 4,242   | 572,303   |
| 1953 . . . . .  | 418,252e   | n.a.          | 183,527e                 | n.a.         | 239,929  | 30,701,057    | 5,204   | 719,375   |

b: Estimated on the basis of production plus imports minus exports.

c: Fraction of a ton.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.



Table 28.

## Unbleached Sulphite Pulp

|                | Production |               | Apparent Consumption (b) |              | Exports  |              | Imports |            |
|----------------|------------|---------------|--------------------------|--------------|----------|--------------|---------|------------|
|                | Tons       | Value         | Tons                     | Value        | Tons     | Value        | Tons    | Value      |
|                |            |               | All Grades               |              |          |              |         |            |
| 1920 . . . . . | 515,649    | \$ 48,778,369 | 246,958                  | \$18,935,874 | 281,854  | \$30,778,486 | 13,162  | \$ 935,991 |
| 1921 . . . . . | 322,125    | 22,002,694    | 208,964                  | 14,149,662   | 127,389  | 9,122,612    | 14,228  | 1,269,580  |
| 1922 . . . . . | 532,188    | 29,222,369    | 339,132                  | 19,607,942   | 208,446  | 10,477,746   | 15,390  | 863,319    |
| 1923 . . . . . | 595,891    | 31,704,333    | 382,116                  | 20,066,596   | 228,033  | 12,406,095   | 14,258  | 768,358    |
| 1924 . . . . . | 567,271    | 26,829,927    | 365,345                  | 16,393,942   | 222,227  | 11,611,367   | 20,301  | 1,175,382  |
| 1925 . . . . . | 615,320    | 29,670,655    | 370,251                  | 16,641,014   | 265,553  | 14,150,271   | 20,484  | 1,120,630  |
| 1926 . . . . . | 738,235    | 35,406,932    | 501,588                  | 21,969,773   | 254,574  | 14,393,546   | 17,927  | 956,387    |
| 1927 . . . . . | 726,747    | 33,803,631    | 556,515                  | 24,699,183   | 192,557  | 10,269,560   | 22,325  | 1,165,112  |
| 1928 . . . . . | 812,458    | 35,359,990    | 620,007                  | 25,658,878   | 214,126  | 10,738,977   | 21,675  | 1,037,865  |
| 1929 . . . . . | 911,684    | 38,144,801    | 733,636                  | 29,356,266   | 196,978  | 9,713,979    | 18,930  | 925,444    |
| 1930 . . . . . | 783,410    | 32,494,078    | 608,923                  | 23,907,192   | 187,424  | 9,201,250    | 12,937  | 614,364    |
| 1931 . . . . . | 640,222    | 22,433,990    | 529,242                  | 17,813,130   | 123,721  | 5,146,954    | 12,741  | 526,094    |
| 1932 . . . . . | 512,593    | 16,174,624    | 445,446                  | 14,009,417   | 80,219   | 2,606,647    | 13,072  | 441,440    |
| 1933 . . . . . | 553,801    | 15,070,885    | 458,627                  | 12,171,104   | 100,604  | 3,067,525    | 5,430   | 167,744    |
| 1934 . . . . . | 650,380    | 17,933,546    | 556,150                  | 14,812,620   | 102,316  | 3,373,231    | 8,086   | 252,305    |
| 1935 . . . . . | 644,820    | 17,546,789    | 562,251                  | 14,878,220   | 98,673   | 3,186,894    | 16,104  | 518,325    |
| 1936 . . . . . | 739,213    | 19,900,576    | 645,133                  | 16,873,919   | 113,088  | 6,634,971    | 19,008  | 608,314    |
| 1937 . . . . . | 914,191    | 28,355,232    | 758,367                  | 21,101,623   | 176,267  | 7,907,788    | 20,443  | 654,179    |
| 1938 . . . . . | 575,263    | 19,037,310    | 492,398                  | 15,499,591   | 98,835   | 4,048,165    | 15,970  | 510,446    |
| 1939 . . . . . | 624,552    | 19,998,275    | 534,726                  | 16,696,992   | 109,160  | 3,954,980    | 19,334  | 653,697    |
| 1940 . . . . . | 936,558    | 36,941,108    | 673,243                  | 22,766,789   | 281,324  | 14,857,150   | 18,009  | 682,831    |
| 1941 . . . . . | 1,073,704  | 46,797,067    | 651,611                  | 21,708,658   | 438,140  | 25,942,972   | 16,047  | 854,543    |
| 1942 . . . . . | 1,156,137  | 55,524,053    | 625,522                  | 22,732,914   | 550,204  | 33,898,728   | 19,589  | 1,107,589  |
| 1943 . . . . . | 1,125,033  | 58,076,395    | 553,108                  | 22,158,932   | 590,541  | 36,997,343   | 18,616  | 1,079,880  |
| 1944 . . . . . | 1,023,930  | 59,891,667    | 508,509                  | 23,344,259   | 525,777  | 37,235,232   | 10,356  | 687,824    |
| 1945 . . . . . | 1,035,755  | 61,923,471    | 565,677                  | 27,748,246   | 480,836  | 34,916,473   | 10,758  | 741,248    |
| 1946 . . . . . | 1,213,220  | 76,000,948    | 777,306                  | 41,652,523   | 446,209  | 35,120,122   | 10,295  | 771,697    |
| 1947 . . . . . | 1,322,783  | 102,483,191   | 860,180                  | 55,816,292   | 484,724  | 48,888,906   | 22,121  | 2,222,007  |
| 1948 . . . . . | 1,406,358  | 121,374,466   | 916,736                  | 65,539,977   | 514,917  | 58,521,374   | 25,295  | 2,686,885  |
| 1949 . . . . . | 1,354,368  | 103,606,878   | 1,023,903                | 69,939,043   | 354,444  | 36,076,547   | 23,979  | 2,408,712  |
| 1950 . . . . . | 1,450,004  | 111,208,080   | 1,064,463                | 71,705,670   | 411,482  | 41,842,295   | 25,941  | 2,339,885  |
| 1951 . . . . . | 1,697,672  | 172,544,639   | 1,168,385                | 85,551,347   | 555,045  | 90,017,185   | 25,758  | 3,023,893  |
| 1952 . . . . . | 1,596,333  | 150,101,618   | 1,191,885                | 90,665,320   | 432,126  | 62,318,100   | 27,678  | 2,881,802  |
| 1953 . . . . . | 1,551,097e | n.a.          | 1,228,051e               | n.a.         | 349,619  | 39,133,755   | 26,573  | 2,946,871  |
| Strong Grade   |            |               |                          |              |          |              |         |            |
| 1944 . . . . . | 358,408    | 23,966,634    | 59,778                   | 3,184,972    | 298,630e | 20,781,662e  | —       | —          |
| 1945 . . . . . | 358,308    | 24,748,127    | 60,482                   | 3,456,546    | 297,826e | 21,291,581e  | —       | —          |
| 1946 . . . . . | 411,624    | 31,136,148    | 85,936                   | 5,349,516    | 325,688  | 25,786,632   | —       | —          |
| 1947 . . . . . | 415,164    | 40,266,497    | 97,701                   | 7,691,023    | 317,463  | 32,575,474   | —       | —          |
| 1948 . . . . . | 427,596    | 47,167,688    | 95,607                   | 9,030,081    | 331,989  | 38,137,607   | —       | —          |
| 1949 . . . . . | 323,315    | 31,507,798    | 91,056                   | 7,836,279    | 232,259  | 23,671,519   | —       | —          |
| 1950 . . . . . | 381,735    | 37,072,003    | 94,567                   | 8,054,271    | 287,168  | 29,017,732   | —       | —          |
| 1951 . . . . . | 468,060    | 68,978,437    | 105,411                  | 10,582,210   | 362,649  | 58,396,227   | —       | —          |
| 1952 . . . . . | 416,886    | 55,396,544    | 112,941                  | 11,466,900   | 303,945  | 43,929,644   | —       | —          |
| 1953 . . . . . | 383,737e   | n.a.          | 137,550e                 | n.a.         | 246,187  | 27,434,271   | —       | —          |
| News Grade     |            |               |                          |              |          |              |         |            |
| 1944 . . . . . | 665,522    | 35,925,033    | 448,731                  | 20,159,287   | 227,147e | 16,453,570e  | 10,356  | 687,824    |
| 1945 . . . . . | 677,447    | 37,175,344    | 505,195                  | 24,291,700   | 183,010e | 13,624,892e  | 10,758  | 741,248    |
| 1946 . . . . . | 801,596    | 44,864,800    | 691,370                  | 36,303,007   | 120,521  | 9,333,490    | 10,295  | 771,697    |
| 1947 . . . . . | 907,619    | 62,216,694    | 762,479                  | 48,125,269   | 167,261  | 16,313,432   | 22,121  | 2,222,007  |
| 1948 . . . . . | 978,762    | 74,206,778    | 821,129                  | 56,509,896   | 182,928  | 20,383,767   | 25,295  | 2,686,885  |
| 1949 . . . . . | 1,031,053  | 72,099,080    | 932,847                  | 62,102,764   | 122,185  | 12,405,028   | 23,979  | 2,408,712  |
| 1950 . . . . . | 1,068,269  | 74,136,077    | 969,896                  | 63,651,399   | 124,314  | 12,824,563   | 25,941  | 2,339,885  |
| 1951 . . . . . | 1,229,612  | 103,566,202   | 1,062,974                | 74,969,137   | 192,396  | 31,620,958   | 25,758  | 3,023,893  |
| 1952 . . . . . | 1,179,447  | 94,705,074    | 1,078,944                | 79,198,420   | 128,181  | 18,388,456   | 27,678  | 2,881,802  |
| 1953 . . . . . | 1,167,360e | n.a.          | 1,090,501e               | n.a.         | 103,432  | 11,699,484   | 26,573  | 2,946,871  |

See footnotes on page 9.

Note: The production and apparent consumption figures shown above for "Strong" and "News Grade" have been calculated as follows: production of "Strong" pulp assumed to equal consumption reported to D.B.S. plus exports; production and apparent consumption of "News Grade" pulp obtained by subtracting "Strong" from "All Grades".

Source: Dominion Bureau of Statistics.



Table 29.

## Sulphate Pulp

|                | Production |              | Apparent Consumption (b) |              | Exports  |               | Imports |            |
|----------------|------------|--------------|--------------------------|--------------|----------|---------------|---------|------------|
|                | Tons       | Value        | Tons                     | Value        | Tons     | Value         | Tons    | Value      |
| All Grades     |            |              |                          |              |          |               |         |            |
| 1920 . . . . . | 188,487    | \$19,437,843 | 58,928                   | \$ 7,122,198 | 133,146  | \$ 12,805,460 | 3,587e  | \$579,815e |
| 1921 . . . . . | 131,337    | 9,062,252    | 33,383                   | 2,130,728    | 99,539   | 7,199,223     | 1,585e  | 267,699e   |
| 1922 . . . . . | 217,862    | 12,643,604   | 69,802                   | 3,500,787    | 148,336  | 9,169,818     | 276e    | 24,001e    |
| 1923 . . . . . | 224,813    | 13,559,189   | 78,468                   | 4,105,431    | 146,345  | 9,453,758     | —       | —          |
| 1924 . . . . . | 215,422    | 11,665,412   | 75,351                   | 3,338,681    | 140,183  | 8,331,931     | 112     | 5,200      |
| 1925 . . . . . | 241,252    | 13,244,379   | 91,530                   | 4,085,518    | 149,722  | 9,158,861     | —       | —          |
| 1926 . . . . . | 250,234    | 13,829,868   | 82,100                   | 3,386,330    | 168,154  | 10,443,538    | —       | —          |
| 1927 . . . . . | 251,266    | 13,598,815   | 81,573                   | 3,405,508    | 169,693  | 10,193,307    | —       | —          |
| 1928 . . . . . | 256,969    | 13,581,559   | 94,198                   | 3,985,693    | 162,771  | 9,595,866     | —       | —          |
| 1929 . . . . . | 250,104    | 13,191,726   | 115,783                  | 5,335,259    | 134,321  | 7,856,486     | c       | 19         |
| 1930 . . . . . | 175,449    | 10,274,666   | 91,030                   | 5,171,760    | 86,091   | 5,151,652     | 1,672   | 48,746     |
| 1931 . . . . . | 136,489    | 7,153,530    | 82,479                   | 5,573,549    | 54,993   | 5,617,444     | 983     | 37,463     |
| 1932 . . . . . | 137,234    | 6,374,320    | 98,709                   | 3,956,657    | 38,531   | 2,418,760     | 6       | 1,097      |
| 1933 . . . . . | 171,236    | 6,859,680    | 111,918                  | 3,809,541    | 59,320   | 3,050,208     | 2       | 69         |
| 1934 . . . . . | 205,980    | 7,963,110    | 117,943                  | 3,745,867    | 88,037   | 4,217,243     | —       | —          |
| 1935 . . . . . | 236,536    | 9,119,496    | 139,582                  | 4,209,517    | 96,954   | 4,909,979     | —       | —          |
| 1936 . . . . . | 273,494    | 10,234,715   | 154,095                  | 4,667,531    | 119,400  | 5,567,284     | 1       | 100        |
| 1937 . . . . . | 312,741    | 12,920,977   | 189,960                  | 6,155,567    | 122,781  | 6,765,430     | c       | 20         |
| 1938 . . . . . | 225,032    | 9,216,421    | 149,385                  | 4,806,769    | 76,286   | 4,435,757     | 639     | 26,105     |
| 1939 . . . . . | 292,066    | 11,074,010   | 184,309                  | 5,379,191    | 108,869  | 5,741,152     | 1,112   | 46,333     |
| 1940 . . . . . | 371,569    | 17,389,346   | 235,676                  | 8,236,950    | 136,052  | 9,161,716     | 159     | 9,320      |
| 1941 . . . . . | 426,743    | 20,940,034   | 241,378                  | 8,372,148    | 185,365  | 12,567,886    | —       | —          |
| 1942 . . . . . | 459,254    | 24,718,685   | 277,929                  | 11,825,165   | 181,325  | 12,893,520    | —       | —          |
| 1943 . . . . . | 441,421    | 24,636,048   | 258,130                  | 11,119,381   | 183,291  | 13,516,667    | —       | —          |
| 1944 . . . . . | 467,726    | 27,226,197   | 288,850                  | 13,362,440   | 178,876  | 13,863,757    | —       | —          |
| 1945 . . . . . | 478,740    | 28,731,109   | 297,725                  | 14,360,805   | 181,015  | 14,370,304    | —       | —          |
| 1946 . . . . . | 562,233    | 35,246,426   | 357,464                  | 18,247,821   | 204,769  | 16,998,605    | —       | —          |
| 1947 . . . . . | 689,455    | 59,303,735   | 372,724                  | 22,057,844   | 316,711  | 37,245,891    | —       | —          |
| 1948 . . . . . | 815,076    | 84,754,779   | 425,627                  | 33,359,724   | 389,599  | 51,416,115    | 150     | 21,060     |
| 1949 . . . . . | 855,784    | 81,591,665   | 387,823                  | 27,045,894   | 470,160  | 54,812,327    | 2,199   | 266,556    |
| 1950 . . . . . | 1,053,588  | 104,512,027  | 473,779                  | 34,537,674   | 581,994  | 70,244,716    | 2,185   | 270,363    |
| 1951 . . . . . | 1,216,907  | 177,903,281  | 511,487                  | 48,300,450   | 709,467  | 130,166,335   | 4,047   | 563,504    |
| 1952 . . . . . | 1,092,038  | 138,290,487  | 451,645                  | 35,407,041   | 644,923  | 103,505,801   | 4,530   | 622,355    |
| 1953 . . . . . | 1,221,348e | n.a.         | 523,162e                 | n.a.         | 705,659  | 88,707,314    | 7,473   | 907,719    |
| Bleached       |            |              |                          |              |          |               |         |            |
| 1947 . . . . . | 194,326    | 24,214,603   | 25,246                   | 2,148,908    | 169,080e | 22,065,695e   | —       | —          |
| 1948 . . . . . | 255,346    | 37,227,821   | 30,293                   | 5,482,126    | 225,203e | 31,766,755e   | 150e    | 21,060e    |
| 1949 . . . . . | 362,283    | 46,552,144   | 31,800                   | 5,115,821    | 330,483e | 41,436,323e   | —       | —          |
| 1950 . . . . . | 436,810    | 58,225,315   | 47,390                   | 7,248,059    | 389,420e | 50,977,256e   | —       | —          |
| 1951 . . . . . | 524,658    | 98,296,448   | 48,743                   | 10,939,029   | 475,915e | 87,357,419e   | —       | —          |
| 1952 . . . . . | 524,513    | 84,457,294   | 37,373                   | 4,572,421    | 487,140e | 79,884,873e   | —       | —          |
| 1953 . . . . . | 607,839e   | n.a.         | 76,965e                  | n.a.         | 530,874e | 72,316,754e   | —       | —          |
| Semi-Bleached  |            |              |                          |              |          |               |         |            |
| 1947 . . . . . | 21,451     | 2,010,424    | 9,115                    | 627,881      | 12,336e  | 1,382,543e    | —       | —          |
| 1948 . . . . . | 17,060     | 1,861,103    | 9,725                    | 907,262      | 7,335e   | 953,841e      | —       | —          |
| 1949 . . . . . | 10,184     | 899,759      | 10,964                   | 992,094      | 1,419e   | 174,221e      | 2,199e  | 266,556e   |
| 1950 . . . . . | 12,897     | 1,321,272    | 12,211                   | 1,189,105    | 2,871e   | 402,530e      | 2,185e  | 270,363e   |
| 1951 . . . . . | 11,054     | 1,150,508    | 15,040                   | 1,704,504    | 61e      | 9,508e        | 4,047e  | 563,504e   |
| 1952 . . . . . | 15,320     | 1,714,681    | 16,004                   | 1,814,889    | 3,846e   | 522,147e      | 4,530e  | 622,355e   |
| 1953 . . . . . | 20,497e    | n.a.         | 24,258e                  | n.a.         | 3,712e   | 496,178e      | 7,473e  | 907,719e   |
| Unbleached     |            |              |                          |              |          |               |         |            |
| 1947 . . . . . | 473,658    | 33,078,708   | 338,363                  | 19,281,055   | 135,295  | 13,797,653    | —       | —          |
| 1948 . . . . . | 542,670    | 45,665,855   | 385,609                  | 26,970,336   | 157,061  | 18,695,519    | —       | —          |
| 1949 . . . . . | 483,317    | 34,139,752   | 345,059                  | 20,937,969   | 138,258  | 13,201,783    | —       | —          |
| 1950 . . . . . | 603,881    | 44,965,440   | 414,178                  | 26,100,510   | 189,703  | 18,864,930    | —       | —          |
| 1951 . . . . . | 681,195    | 78,456,325   | 447,704                  | 35,656,917   | 233,491  | 42,799,408    | —       | —          |
| 1952 . . . . . | 552,205    | 52,118,512   | 398,268                  | 29,019,731   | 153,937  | 23,098,781    | —       | —          |
| 1953 . . . . . | 593,012e   | n.a.         | 421,939e                 | n.a.         | 171,073  | 15,894,382    | —       | —          |

See footnotes on page 9.

Source: Dominion Bureau of Statistics.



Table 30.

## Mechanical Pulp

|                | Production |               | Apparent Consumption (b) |               | Exports |              | Imports |            |
|----------------|------------|---------------|--------------------------|---------------|---------|--------------|---------|------------|
|                | Tons       | Value         | Tons                     | Value         | Tons    | Value        | Tons    | Value      |
| All Grades     |            |               |                          |               |         |              |         |            |
| 1920 . . . . . | 1,090,114  | \$ 49,890,337 | 789,356                  | \$ 32,639,239 | 304,344 | \$17,574,806 | 3,586e  | \$323,708e |
| 1921 . . . . . | 931,560    | 32,313,848    | 709,323                  | 23,155,266    | 223,494 | 9,271,712    | 1,257e  | 113,130e   |
| 1922 . . . . . | 1,241,185  | 31,079,429    | 926,425                  | 21,679,346    | 314,760 | 9,400,083    | —       | —          |
| 1923 . . . . . | 1,419,547  | 37,587,379    | 1,079,612                | 26,021,518    | 341,107 | 11,599,323   | 1,172e  | 33,462e    |
| 1924 . . . . . | 1,427,726  | 36,163,381    | 1,176,962                | 28,361,101    | 253,700 | 7,916,029    | 2,936   | 113,749    |
| 1925 . . . . . | 1,621,917  | 39,130,117    | 1,263,066                | 28,601,684    | 360,204 | 10,573,273   | 1,353   | 44,840     |
| 1926 . . . . . | 1,901,268  | 44,800,257    | 1,521,914                | 33,402,964    | 382,077 | 11,505,818   | 2,723   | 108,525    |
| 1927 . . . . . | 1,922,124  | 44,174,811    | 1,661,645                | 36,437,822    | 260,831 | 7,761,464    | 352     | 24,475     |
| 1928 . . . . . | 2,127,699  | 47,549,324    | 1,924,218                | 42,022,091    | 203,670 | 5,546,120    | 189     | 18,887     |
| 1929 . . . . . | 2,420,774  | 51,617,360    | 2,211,640                | 45,734,836    | 209,332 | 5,906,638    | 198     | 24,114     |
| 1930 . . . . . | 2,283,130  | 48,317,494    | 2,076,976                | 42,413,073    | 208,758 | 5,967,172    | 2,604   | 62,751     |
| 1931 . . . . . | 2,016,480  | 37,096,768    | 1,851,786                | 32,497,323    | 165,098 | 4,606,167    | 404     | 6,722      |
| 1932 . . . . . | 1,696,021  | 28,018,451    | 1,579,832                | 23,459,838    | 116,229 | 2,562,089    | 40      | 3,476      |
| 1933 . . . . . | 1,824,553  | 25,150,963    | 1,692,559                | 22,466,458    | 132,152 | 2,688,023    | 158     | 3,518      |
| 1934 . . . . . | 2,340,441  | 30,556,675    | 2,220,352                | 27,829,717    | 120,121 | 2,727,902    | 32      | 944        |
| 1935 . . . . . | 2,504,595  | 32,034,716    | 2,380,657                | 29,408,820    | 124,055 | 2,631,945    | 117     | 6,049      |
| 1936 . . . . . | 2,910,338  | 38,251,389    | 2,776,863                | 35,412,990    | 133,518 | 2,841,051    | 43      | 2,652      |
| 1937 . . . . . | 3,308,517  | 46,144,208    | 3,142,130                | 42,028,791    | 166,802 | 4,145,552    | 415     | 30,135     |
| 1938 . . . . . | 2,461,997  | 39,228,178    | 2,338,032                | 36,330,722    | 124,205 | 2,914,247    | 240     | 16,791     |
| 1939 . . . . . | 2,738,011  | 43,062,396    | 2,569,380                | 38,973,434    | 168,652 | 4,090,177    | 21      | 1,215      |
| 1940 . . . . . | 3,305,484  | 55,504,763    | 3,101,536                | 49,244,546    | 204,090 | 6,265,069    | 142     | 4,852      |
| 1941 . . . . . | 3,494,922  | 61,327,268    | 3,227,355                | 52,614,791    | 271,162 | 8,835,808    | 3,575   | 123,331    |
| 1942 . . . . . | 3,260,097  | 64,801,837    | 2,981,732                | 54,294,388    | 278,365 | 10,507,449   | —       | —          |
| 1943 . . . . . | 2,998,913  | 63,426,919    | 2,726,013                | 53,358,327    | 272,900 | 10,068,592   | —       | —          |
| 1944 . . . . . | 3,076,296  | 71,668,673    | 2,839,751                | 61,534,290    | 236,545 | 10,134,383   | —       | —          |
| 1945 . . . . . | 3,341,920  | 86,375,001    | 3,068,767                | 74,327,944    | 273,906 | 12,101,310   | 753     | 54,253     |
| 1946 . . . . . | 3,997,848  | 111,514,231   | 3,729,613                | 98,950,120    | 268,290 | 12,571,257   | 55      | 7,146      |
| 1947 . . . . . | 4,275,269  | 147,423,552   | 3,957,351                | 128,403,870   | 319,160 | 19,098,908   | 1,242   | 79,226     |
| 1948 . . . . . | 4,413,513  | 168,343,496   | 4,119,262                | 149,273,279   | 296,520 | 19,257,283   | 2,269   | 187,066    |
| 1949 . . . . . | 4,718,806  | 166,591,741   | 4,511,809                | 154,699,884   | 207,359 | 11,920,602   | 362     | 28,745     |
| 1950 . . . . . | 4,910,803  | 173,035,433   | 4,664,432                | 159,085,406   | 247,556 | 14,037,566   | 1,185   | 87,539     |
| 1951 . . . . . | 5,172,465  | 213,953,064   | 4,851,307                | 187,308,056   | 322,706 | 26,741,965   | 1,548   | 96,957     |
| 1952 . . . . . | 5,175,319  | 217,352,245   | 4,935,999                | 197,733,203   | 254,716 | 20,413,132   | 15,396  | 794,090    |
| 1953 . . . . . | 5,065,086e | n.a.          | 4,839,165e               | n.a.          | 228,467 | 15,828,174   | 2,546   | 172,823    |
| Bleached       |            |               |                          |               |         |              |         |            |
| 1952 . . . . . | 37,835     | 2,916,704     | 4,362                    | 251,864       | 33,473  | 2,664,840    | —       | —          |
| 1953 . . . . . | n.a.       | n.a.          | n.a.                     | n.a.          | 49,237  | 3,532,953    | —       | —          |
| Unbleached     |            |               |                          |               |         |              |         |            |
| 1952 . . . . . | 5,137,484  | 214,435,541   | 4,931,637                | 197,481,339   | 221,243 | 17,748,292   | 15,396  | 794,090    |
| 1953 . . . . . | n.a.       | n.a.          | n.a.                     | n.a.          | 179,230 | 12,295,221   | —       | —          |

See footnotes on page 9.

Source: Dominion Bureau of Statistics.

Table 31.

## Defibrated and Exploded Pulps

|                | Production |             | Apparent Consumption (b) |             | Exports |       | Imports |       |
|----------------|------------|-------------|--------------------------|-------------|---------|-------|---------|-------|
|                | Tons       | Value       | Tons                     | Value       | Tons    | Value | Tons    | Value |
| 1946 . . . . . | 48,009     | \$1,019,492 | 48,009                   | \$1,019,492 | —       | —     | —       | —     |
| 1947 . . . . . | 52,613     | 1,244,072   | 52,613                   | 1,244,072   | —       | —     | —       | —     |
| 1948 . . . . . | 65,636     | 2,544,930   | 65,636                   | 2,544,930   | —       | —     | —       | —     |
| 1949 . . . . . | 75,403     | 2,289,933   | 75,403                   | 2,289,933   | —       | —     | —       | —     |
| 1950 . . . . . | 88,962     | 2,548,544   | 88,962                   | 2,548,544   | —       | —     | —       | —     |
| 1951 . . . . . | 113,166    | 3,500,575   | 113,166                  | 3,500,575   | —       | —     | —       | —     |
| 1952 . . . . . | 109,727    | 3,465,438   | 109,727                  | 3,465,438   | —       | —     | —       | —     |
| 1953 . . . . . | 123,356e   | n.a.        | 123,356e                 | n.a.        | —       | —     | —       | —     |

See footnotes on page 9.

Note: Prior to 1946 defibrated and exploded fibres were not considered as pulps and were shown only as paper-making materials under the headings "Other wood fibre purchased" or "Other fibre and stock purchased".

Source: Dominion Bureau of Statistics.



Table 32.

## Screenings

| Screenings — Chemical and Mechanical |            |            |                          |            |             |             |         |       |  |
|--------------------------------------|------------|------------|--------------------------|------------|-------------|-------------|---------|-------|--|
|                                      | Production |            | Apparent Consumption (b) |            | Exports (a) |             | Imports |       |  |
|                                      | Tons       | Value      | Tons                     | Value      | Tons        | Value       | Tons    | Value |  |
| 1923 . . . . .                       | 43,966     | \$ 797,506 | 25,412                   | \$ 349,957 | 18,554e     | \$ 447,549e | —       | —     |  |
| 1924 . . . . .                       | 50,777     | 816,248    | 32,490                   | 415,483    | 18,287e     | 400,765e    | —       | —     |  |
| 1925 . . . . .                       | 65,364     | 1,106,633  | 38,838                   | 541,498    | 24,526e     | 565,135e    | —       | —     |  |
| 1926 . . . . .                       | 77,310     | 1,132,290  | 48,983                   | 552,682    | 28,327e     | 579,608e    | —       | —     |  |
| 1927 . . . . .                       | 78,282     | 1,098,737  | 59,437                   | 734,196    | 18,845      | 364,541     | —       | —     |  |
| 1928 . . . . .                       | 87,591     | 1,134,702  | 55,898                   | 513,806    | 31,693      | 620,896     | —       | —     |  |
| 1929 . . . . .                       | 99,182     | 1,217,743  | 62,774                   | 573,554    | 36,408      | 644,189     | —       | —     |  |
| 1930 . . . . .                       | 71,158     | 882,027    | 47,496                   | 466,421    | 23,662      | 415,606     | —       | —     |  |
| 1931 . . . . .                       | 64,745     | 685,053    | 51,209                   | 460,619    | 13,536      | 224,434     | —       | —     |  |
| 1932 . . . . .                       | 53,789     | 406,708    | 46,257                   | 328,771    | 7,532       | 77,937      | —       | —     |  |
| Screenings — Chemical                |            |            |                          |            |             |             |         |       |  |
| 1933 . . . . .                       | 27,700     | 228,953    | 18,661                   | 83,441     | 9,039       | 145,512     | —       | —     |  |
| 1934 . . . . .                       | 29,851     | 296,107    | 21,540                   | 156,301    | 8,311       | 139,806     | —       | —     |  |
| 1935 . . . . .                       | 28,230     | 226,254    | 19,919                   | 116,561    | 8,311       | 109,693     | —       | —     |  |
| 1936 . . . . .                       | 38,504     | 305,942    | 27,718                   | 172,549    | 10,786      | 133,393     | —       | —     |  |
| 1937 . . . . .                       | 48,871     | 527,450    | 38,765                   | 360,376    | 10,106      | 167,074     | —       | —     |  |
| 1938 . . . . .                       | 22,739     | 198,939    | 20,113                   | 155,468    | 2,626       | 43,471      | —       | —     |  |
| 1939 . . . . .                       | 27,760     | 231,642    | 24,400                   | 192,908    | 3,360       | 38,734      | —       | —     |  |
| 1940 . . . . .                       | 42,741     | 434,257    | 39,725                   | 379,621    | 3,016       | 54,636      | —       | —     |  |
| 1941 . . . . .                       | 48,270     | 560,969    | 36,668                   | 332,063    | 11,602      | 228,906     | —       | —     |  |
| 1942 . . . . .                       | 51,905     | 727,736    | 40,096                   | 468,801    | 11,809      | 258,935     | —       | —     |  |
| 1943 . . . . .                       | 51,053     | 787,239    | 33,219                   | 379,227    | 17,834      | 408,012     | —       | —     |  |
| 1944 . . . . .                       | 48,826     | 803,729    | 37,706                   | 486,508    | 11,120      | 317,221     | —       | —     |  |
| 1945 . . . . .                       | 53,121     | 797,527    | 42,725                   | 487,527    | 10,396      | 310,000     | —       | —     |  |
| 1946 . . . . .                       | 66,277     | 1,268,027  | 54,951                   | 877,146    | 11,326      | 390,881     | —       | —     |  |
| 1947 . . . . .                       | 82,228     | 2,125,787  | 69,335                   | 1,474,569  | 12,893      | 651,218     | —       | —     |  |
| 1948 . . . . .                       | 83,894     | 2,288,892  | 72,357                   | 1,799,377  | 11,537      | 489,515     | —       | —     |  |
| 1949 . . . . .                       | 71,179     | 1,579,401  | 65,010                   | 1,435,838  | 6,169       | 143,563     | —       | —     |  |
| 1950 . . . . .                       | 73,276     | 1,559,097  | 65,518                   | 1,348,063  | 7,758       | 211,034     | —       | —     |  |
| 1951 . . . . .                       | 86,945     | 2,714,728  | 76,925                   | 2,222,232  | 10,020      | 492,496     | —       | —     |  |
| 1952 . . . . .                       | 67,864     | 2,173,153  | 62,787                   | 1,967,405  | 5,077       | 205,748     | —       | —     |  |
| 1953 . . . . .                       | 63,473e    | n.a.       | 60,544e                  | n.a.       | 2,929       | 110,874     | —       | —     |  |
| Screenings — Mechanical              |            |            |                          |            |             |             |         |       |  |
| 1933 . . . . .                       | 34,496     | 181,481    | 26,950                   | 105,140    | 7,546       | 76,341      | —       | —     |  |
| 1934 . . . . .                       | 54,324     | 318,648    | 49,562                   | 282,493    | 4,762       | 36,155      | —       | —     |  |
| 1935 . . . . .                       | 59,116     | 289,104    | 48,487                   | 217,157    | 10,629      | 71,947      | —       | —     |  |
| 1936 . . . . .                       | 73,944     | 423,103    | 61,264                   | 320,896    | 12,680      | 102,207     | —       | —     |  |
| 1937 . . . . .                       | 76,227     | 519,551    | 62,683                   | 374,017    | 13,544      | 145,534     | —       | —     |  |
| 1938 . . . . .                       | 58,741     | 479,301    | 53,132                   | 423,609    | 5,609       | 55,692      | —       | —     |  |
| 1939 . . . . .                       | 58,082     | 467,971    | 51,352                   | 399,120    | 6,730       | 68,851      | —       | —     |  |
| 1940 . . . . .                       | 62,725     | 512,784    | 58,507                   | 450,542    | 4,218       | 62,242      | —       | —     |  |
| 1941 . . . . .                       | 55,363     | 422,520    | 48,186                   | 334,229    | 7,177       | 88,291      | —       | —     |  |
| 1942 . . . . .                       | 48,021     | 407,032    | 41,036                   | 323,913    | 6,985       | 83,119      | —       | —     |  |
| 1943 . . . . .                       | 34,838     | 294,784    | 28,785                   | 245,482    | 6,053       | 49,302      | —       | —     |  |
| 1944 . . . . .                       | 36,846     | 428,558    | 32,872                   | 387,684    | 3,974       | 40,874      | —       | —     |  |
| 1945 . . . . .                       | 38,953     | 348,424    | 34,388                   | 306,599    | 4,565       | 41,825      | —       | —     |  |
| 1946 . . . . .                       | 68,876     | 863,096    | 61,082                   | 700,505    | 7,794       | 162,591     | —       | —     |  |
| 1947 . . . . .                       | 69,360     | 1,237,425  | 60,087                   | 1,139,287  | 9,273       | 98,138      | —       | —     |  |
| 1948 . . . . .                       | 69,101     | 1,092,077  | 60,609                   | 997,744    | 8,492       | 94,333      | —       | —     |  |
| 1949 . . . . .                       | 54,143     | 1,029,384  | 46,013                   | 949,097    | 8,130       | 80,287      | —       | —     |  |
| 1950 . . . . .                       | 32,573     | 611,620    | 26,137                   | 533,239    | 6,436       | 78,381      | —       | —     |  |
| 1951 . . . . .                       | 43,266     | 1,057,328  | 37,470                   | 959,554    | 5,796       | 97,774      | —       | —     |  |
| 1952 . . . . .                       | 38,140     | 1,095,428  | 33,465                   | 971,248    | 5,675       | 124,180     | —       | —     |  |
| 1953 . . . . .                       | 36,921e    | n.a.       | 31,246e                  | n.a.       | 5,675       | 133,982     | —       | —     |  |

a: For years prior to 1946, breakdown of total screenings exports into chemical and mechanical screenings estimated on basis of known quantity and value "made for export".

See other footnotes on page 9.

Note: Screenings were not reported separately prior to 1923. It is assumed that these were included with "Other wood-pulps". Exports of screenings prior to 1927 were probably shown with "All other manufactures of wood, n.o.p.".

Source: Dominion Bureau of Statistics.



Table 33.

## Other Wood-Pulps

| Year           | Including certain grades of chemical, semi-chemical, and mechanical pulp. |              |                          |             |         |             |         |           |
|----------------|---------------------------------------------------------------------------|--------------|--------------------------|-------------|---------|-------------|---------|-----------|
|                | Production                                                                |              | Apparent Consumption (b) |             | Exports |             | Imports |           |
|                | Tons                                                                      | Value        | Tons                     | Value       | Tons    | Value       | Tons    | Value     |
| 1920 . . . . . | 27,228                                                                    | \$ 2,144,848 | 16,820                   | \$1,275,549 | 11,165e | \$ 964,164e | 757     | \$ 94,865 |
| 1921 . . . . . | 9,256                                                                     | 478,326      | 9,333                    | 839,564     | 3,024e  | 50,023e     | 3,101   | 411,261   |
| 1922 . . . . . | 12,326                                                                    | 310,292      | 7,797                    | 312,667     | 6,255e  | 128,240e    | 1,726   | 130,615   |
| 1923 . . . . . | 1,752                                                                     | 117,727      | 4,516                    | 278,745     | —       | —           | 2,764   | 161,018   |
| 1924 . . . . . | 3,051                                                                     | 195,417      | 4,119                    | 270,979     | —       | —           | 1,068   | 75,562    |
| 1925 . . . . . | 1,189                                                                     | 83,015       | 2,455                    | 167,689     | —       | —           | 1,266   | 84,674    |
| 1926 . . . . . | 5,876                                                                     | 339,792      | 7,907                    | 466,970     | —       | —           | 2,031   | 127,178   |
| 1927 . . . . . | 11,246                                                                    | 678,764      | 11,679                   | 705,584     | 354e    | 24,780e     | 787     | 51,600    |
| 1928 . . . . . | 18,559                                                                    | 1,106,868    | 14,477                   | 844,166     | 4,349e  | 280,976e    | 267     | 18,274    |
| 1929 . . . . . | 14,937                                                                    | 1,047,290    | 8,729                    | 610,599     | 6,366e  | 447,320e    | 158     | 10,629    |
| 1930 . . . . . | 12,804                                                                    | 768,240      | 7,639                    | 400,145     | 5,187   | 369,585     | 22      | 1,490     |
| 1931 . . . . . | 8,667                                                                     | 433,350      | 5,268                    | 259,531     | 3,488   | 178,909     | 89      | 5,090     |
| 1932 . . . . . | 7,133                                                                     | 356,650      | 5,102                    | 277,118     | 2,071   | 83,008      | 40      | 3,476     |
| 1933 . . . . . | 11,964                                                                    | 512,540      | 7,385                    | 334,313     | 4,737   | 181,745     | 158     | 3,518     |
| 1934 . . . . . | 15,097                                                                    | 624,872      | 7,147                    | 281,503     | 7,950   | 343,369     | —       | —         |
| 1935 . . . . . | 20,887                                                                    | 954,075      | 10,229                   | 490,983     | 10,709  | 465,616     | 51      | 2,524     |
| 1936 . . . . . | 20,238                                                                    | 961,305      | 6,983                    | 375,189     | 13,373  | 591,062     | 118     | 4,946     |
| 1937 . . . . . | 21,916                                                                    | 1,126,432    | 10,750                   | 550,917     | 11,342  | 585,226     | 176     | 9,711     |
| 1938 . . . . . | 19,183                                                                    | 918,904      | 9,213                    | 431,280     | 10,039  | 490,665     | 69      | 3,041     |
| 1939 . . . . . | 21,562                                                                    | 1,013,398    | 12,685                   | 613,353     | 9,059   | 409,531     | 182     | 9,486     |
| 1940 . . . . . | 27,698                                                                    | 1,646,513    | 15,389                   | 931,860     | 12,334  | 716,514     | 25      | 1,861     |
| 1941 . . . . . | 31,033                                                                    | 1,983,144    | 14,351                   | 886,525     | 16,682  | 1,096,610   | —       | —         |
| 1942 . . . . . | 33,731                                                                    | 2,155,963    | 14,974                   | 912,955     | 18,757  | 1,242,998   | —       | —         |
| 1943 . . . . . | 34,034                                                                    | 2,303,608    | 14,142                   | 858,816     | 19,892  | 1,444,792   | —       | —         |
| 1944 . . . . . | 31,814                                                                    | 2,255,364    | 14,545                   | 898,521     | 17,269  | 1,356,843   | —       | —         |
| 1945 . . . . . | 48,396                                                                    | 2,778,018    | 26,625                   | 954,061     | 21,771  | 1,823,957   | —       | —         |
| 1946 . . . . . | 42,150                                                                    | 2,852,383    | 22,483                   | 1,088,562   | 19,667  | 1,763,821   | —       | —         |
| 1947 . . . . . | 57,234                                                                    | 4,364,271    | 35,367                   | 1,836,931   | 21,867  | 2,527,340   | —       | —         |
| 1948 . . . . . | 89,848                                                                    | 6,515,005    | 64,532                   | 3,226,492   | 25,316  | 3,288,513   | —       | —         |
| 1949 . . . . . | 86,224                                                                    | 6,264,152    | 58,821                   | 2,902,344   | 27,471  | 3,369,959   | 68      | 8,151     |
| 1950 . . . . . | 103,039                                                                   | 7,286,530    | 70,007                   | 3,004,090   | 33,059  | 4,286,212   | 27      | 3,772     |
| 1951 . . . . . | 137,268                                                                   | 10,322,641   | 104,312                  | 5,045,974   | 32,958  | 5,277,337   | 2       | 670       |
| 1952 . . . . . | 105,826                                                                   | 8,782,266    | 76,842                   | 4,488,711   | 28,984  | 4,293,855   | —       | —         |
| 1953 . . . . . | 122,495e                                                                  | n.a.         | 87,581e                  | n.a.        | 34,914  | 4,887,822   | —       | —         |

See footnotes on page 9.

Source: Dominion Bureau of Statistics.

Table 34.

## Consumption of Wood-Pulp in Paper and Board Production, by Kinds

| Year           | All Kinds<br>Tons | Bleached<br>Sulphite<br>Tons | Unbleached<br>Sulphite<br>Tons | Sulphate<br>Tons | Mechanical<br>Tons | Screenings<br>Tons | Defibrated &<br>Exploded<br>Tons | Other<br>Wood-Pulp<br>Tons |
|----------------|-------------------|------------------------------|--------------------------------|------------------|--------------------|--------------------|----------------------------------|----------------------------|
| 1920 . . . . . | 1,156,897         | 23,435                       | 270,233                        | 55,672           | 799,159            | —                  | —                                | 8,398                      |
| 1921 . . . . . | 1,002,930         | 66,902                       | 210,188                        | 31,464           | 689,038            | —                  | —                                | 5,338                      |
| 1922 . . . . . | 1,322,951         | 29,201                       | 307,642                        | 56,356           | 925,761            | —                  | —                                | 3,991                      |
| 1923 . . . . . | 1,543,124         | 34,982                       | 363,843                        | 70,970           | 1,060,887          | 9,454              | —                                | 2,988                      |
| 1924 . . . . . | 1,875,819         | 38,483                       | 384,928                        | 63,784           | 1,176,601          | 704                | —                                | 11,319                     |
| 1925 . . . . . | 1,847,753         | 43,378                       | 381,816                        | 105,212          | 1,279,943          | 34,958             | —                                | 2,446                      |
| 1926 . . . . . | 2,230,556         | 53,226                       | 529,806                        | 67,561           | 1,528,622          | 38,991             | —                                | 12,350                     |
| 1927 . . . . . | 2,444,047         | 55,700                       | 550,609                        | 77,463           | 1,707,657          | 35,906             | —                                | 18,712                     |
| 1928 . . . . . | 2,809,488         | 63,372                       | 631,535                        | 86,276           | 1,948,104          | 60,830             | —                                | 19,371                     |
| 1929 . . . . . | 3,173,974         | 66,868                       | 725,268                        | 91,932           | 2,210,046          | 69,441             | —                                | 10,419                     |
| 1930 . . . . . | 2,897,142         | 54,533                       | 615,011                        | 84,818           | 2,068,712          | 64,827             | —                                | 9,241                      |
| 1931 . . . . . | 2,565,843         | 56,259                       | 530,191                        | 81,487           | 1,842,234          | 48,751             | —                                | 6,921                      |
| 1932 . . . . . | 2,234,986         | 52,642                       | 463,734                        | 91,029           | 1,576,849          | 44,864             | —                                | 5,868                      |
| 1933 . . . . . | 2,368,120         | 53,109                       | 458,729                        | 105,573          | 1,690,453          | 51,320             | —                                | 8,936                      |
| 1934 . . . . . | 3,008,167         | 61,265                       | 554,101                        | 121,797          | 2,192,987          | 70,484             | —                                | 7,535                      |
| 1935 . . . . . | 3,212,704         | 72,253                       | 557,794                        | 133,897          | 2,369,378          | 70,796             | —                                | 8,586                      |
| 1936 . . . . . | 3,745,959         | 84,709                       | 639,474                        | 151,568          | 2,755,974          | 105,685            | —                                | 8,549                      |
| 1937 . . . . . | 4,252,954         | 77,092                       | 741,051                        | 181,232          | 3,136,195          | 106,334            | —                                | 11,050                     |
| 1938 . . . . . | 3,122,180         | 74,380                       | 503,020                        | 147,013          | 2,312,001          | 75,876             | —                                | 9,890                      |
| 1939 . . . . . | 3,460,614         | 85,661                       | 530,474                        | 183,771          | 2,567,348          | 81,352             | —                                | 12,008                     |
| 1940 . . . . . | 4,176,879         | 101,086                      | 649,919                        | 227,654          | 3,087,225          | 95,830             | —                                | 15,165                     |
| 1941 . . . . . | 4,364,329         | 110,431                      | 671,265                        | 251,880          | 3,226,986          | 87,037             | —                                | 16,730                     |
| 1942 . . . . . | 4,061,458         | 124,258                      | 607,684                        | 265,728          | 2,969,746          | 79,182             | —                                | 14,860                     |
| 1943 . . . . . | 3,788,317         | 114,071                      | 559,440                        | 254,246          | 2,773,972          | 72,116             | —                                | 14,472                     |
| 1944 . . . . . | 3,859,645         | 119,572                      | 506,619                        | 288,352          | 2,851,835          | 78,929             | —                                | 14,338                     |
| 1945 . . . . . | 4,199,106         | 134,045                      | 561,437                        | 298,541          | 3,070,021          | 84,517             | 23,803                           | 26,742                     |
| 1946 . . . . . | 5,183,555         | 143,878                      | 769,492                        | 358,148          | 3,728,740          | 111,586            | 48,549                           | 23,162                     |
| 1947 . . . . . | 5,585,061         | 166,616                      | 861,704                        | 379,606          | 3,964,383          | 124,485            | 52,613                           | 35,654                     |
| 1948 . . . . . | 5,853,300         | 158,314                      | 915,203                        | 414,589          | 4,109,469          | 125,794            | 65,636                           | 64,295                     |
| 1949 . . . . . | 6,339,007         | 158,648                      | 1,013,091                      | 408,340          | 4,516,610          | 107,212            | 75,403                           | 59,703                     |
| 1950 . . . . . | 6,592,006         | 176,702                      | 1,054,060                      | 462,726          | 4,649,708          | 89,877             | 88,962                           | 69,971                     |
| 1951 . . . . . | 7,015,882         | 195,067                      | 1,141,729                      | 507,625          | 4,844,796          | 109,192            | 113,166                          | 104,307                    |
| 1952 . . . . . | 7,053,398         | 177,919                      | 1,187,043                      | 472,169          | 4,928,812          | 95,530             | 110,039                          | 81,886                     |
| 1953 . . . . . | 7,076,632e        | 183,527e                     | 1,228,051e                     | 523,162e         | 4,839,165e         | 91,790e            | 123,356e                         | 87,581e                    |

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.



Table 35.

## Consumption of Wood-Pulp in Paper and Board Production, by Sources

| Year                                                  | All Kinds<br>Tons | Bleached<br>Sulphite<br>Tons | Unbleached<br>Sulphite<br>Tons | Sulphate<br>Tons | Mechanical<br>Tons | Screenings<br>Tons | Defibrated &<br>Exploded<br>Tons | Other<br>Wood-Pulp<br>Tons |
|-------------------------------------------------------|-------------------|------------------------------|--------------------------------|------------------|--------------------|--------------------|----------------------------------|----------------------------|
| Own Pulp from Same Mill                               |                   |                              |                                |                  |                    |                    |                                  |                            |
| 1920                                                  | 963,762           | 3,630                        | 199,507                        | 51,041           | 702,519            | —                  | —                                | 7,065                      |
| 1921                                                  | 870,543           | 43,291                       | 155,504                        | 24,903           | 643,164            | —                  | —                                | 3,681                      |
| 1922                                                  | 1,188,581         | 7,248                        | 242,832                        | 48,611           | 888,783            | —                  | —                                | 1,107                      |
| 1923                                                  | 1,373,245         | 9,930                        | 281,898                        | 60,378           | 1,013,538          | 6,161              | —                                | 1,340                      |
| 1924                                                  | 1,461,673         | 9,646                        | 288,081                        | 54,803           | 1,103,088          | —                  | —                                | 6,055                      |
| 1925                                                  | 1,643,123         | 14,184                       | 285,294                        | 95,099           | 1,222,210          | 25,305             | —                                | 1,031                      |
| 1926                                                  | 2,012,624         | 16,389                       | 426,512                        | 58,743           | 1,472,367          | 31,773             | —                                | 6,840                      |
| 1927                                                  | 2,246,051         | 15,029                       | 459,196                        | 66,537           | 1,667,757          | 26,915             | —                                | 10,617                     |
| 1928                                                  | 2,644,345         | 19,514                       | 567,462                        | 75,623           | 1,929,630          | 44,266             | —                                | 7,850                      |
| 1929                                                  | 2,981,478         | 22,949                       | 651,818                        | 80,881           | 2,185,029          | 40,801             | —                                | —                          |
| 1930                                                  | 2,736,964         | 20,523                       | 560,977                        | 71,755           | 2,045,504          | 37,833             | —                                | 372                        |
| 1931                                                  | 2,432,474         | 23,003                       | 486,735                        | 66,191           | 1,831,251          | 25,294             | —                                | —                          |
| 1932                                                  | 2,117,580         | 21,390                       | 425,568                        | 73,670           | 1,567,646          | 29,306             | —                                | —                          |
| 1933                                                  | 2,236,853         | 21,335                       | 427,595                        | 82,164           | 1,675,204          | 30,555             | —                                | —                          |
| 1934                                                  | 2,854,599         | 21,843                       | 512,164                        | 100,566          | 2,179,628          | 40,392             | —                                | 6                          |
| 1935                                                  | 3,041,835         | 26,357                       | 508,748                        | 108,319          | 2,354,442          | 43,119             | —                                | 850                        |
| 1936                                                  | 3,557,375         | 28,123                       | 592,048                        | 124,933          | 2,742,159          | 66,653             | —                                | 3,457                      |
| 1937                                                  | 4,056,147         | 31,148                       | 677,084                        | 152,941          | 3,123,599          | 66,702             | —                                | 4,673                      |
| 1938                                                  | 2,953,745         | 32,527                       | 448,031                        | 121,267          | 2,302,009          | 46,540             | —                                | 3,571                      |
| 1939                                                  | 3,271,263         | 38,863                       | 471,295                        | 154,155          | 2,555,740          | 47,106             | —                                | 4,104                      |
| 1940                                                  | 3,959,472         | 46,627                       | 585,314                        | 191,573          | 3,067,887          | 63,113             | —                                | 4,958                      |
| 1941                                                  | 3,132,158         | 49,996                       | 606,079                        | 214,050          | 3,203,887          | 53,508             | —                                | 4,638                      |
| 1942                                                  | 3,846,947         | 64,852                       | 540,453                        | 227,046          | 2,957,592          | 51,874             | —                                | 5,130                      |
| 1943                                                  | 3,574,185         | 50,981                       | 500,084                        | 211,526          | 2,759,392          | 47,661             | —                                | 4,541                      |
| 1944                                                  | 3,651,322         | 58,306                       | 453,584                        | 242,900          | 2,840,653          | 51,331             | —                                | 4,548                      |
| 1945                                                  | 3,978,373         | 58,601                       | 517,586                        | 249,896          | 3,057,837          | 53,585             | 23,803                           | 17,065                     |
| 1946                                                  | 4,922,055         | 60,573                       | 699,812                        | 318,359          | 3,712,242          | 69,657             | 48,549                           | 12,863                     |
| 1947                                                  | 5,249,369         | 67,720                       | 759,869                        | 339,665          | 3,928,813          | 76,895             | 52,613                           | 23,794                     |
| 1948                                                  | 5,534,167         | 64,534                       | 811,142                        | 374,707          | 4,077,780          | 88,225             | 65,636                           | 52,143                     |
| 1949                                                  | 5,991,912         | 67,435                       | 928,159                        | 363,564          | 4,427,388          | 81,135             | 75,403                           | 48,828                     |
| 1950                                                  | 6,213,302         | 74,043                       | 956,733                        | 403,458          | 4,566,343          | 63,788             | 88,962                           | 59,975                     |
| 1951                                                  | 6,583,069         | 80,225                       | 1,036,328                      | 435,335          | 4,743,924          | 80,731             | 113,166                          | 93,360                     |
| 1952                                                  | 6,660,897         | 78,880                       | 1,081,585                      | 410,030          | 4,845,369          | 68,476             | 109,727                          | 66,830                     |
| 1953                                                  | 6,592,519e        | 73,236e                      | 1,100,109e                     | 436,130e         | 4,723,814e         | 64,380e            | 123,356e                         | 71,466e                    |
| Own Pulp from Other Mills                             |                   |                              |                                |                  |                    |                    |                                  |                            |
| 1952                                                  | 216,496           | 51,874                       | 78,942                         | 16,459           | 49,083             | 17,007             | —                                | 3,131                      |
| 1953                                                  | 264,913e          | 57,767e                      | 95,682e                        | 23,053e          | 67,852e            | 17,231e            | —                                | 3,328e                     |
| Purchased (Market) Pulp and Own Pulp from Other Mills |                   |                              |                                |                  |                    |                    |                                  |                            |
| 1920                                                  | 193,135           | 19,805                       | 70,726                         | 4,631            | 96,640             | —                  | —                                | 1,333                      |
| 1921                                                  | 132,387           | 23,611                       | 54,684                         | 6,561            | 45,874             | —                  | —                                | 1,657                      |
| 1922                                                  | 134,370           | 21,953                       | 64,810                         | 7,745            | 36,978             | —                  | —                                | 2,884                      |
| 1923                                                  | 169,879           | 25,052                       | 81,945                         | 10,592           | 47,349             | 3,293              | —                                | 1,648                      |
| 1924                                                  | 214,146           | 28,837                       | 96,847                         | 8,981            | 73,513             | 704                | —                                | 5,264                      |
| 1925                                                  | 204,630           | 29,194                       | 96,522                         | 10,113           | 57,733             | 9,653              | —                                | 1,415                      |
| 1926                                                  | 217,932           | 36,837                       | 103,294                        | 8,818            | 56,255             | 7,218              | —                                | 5,510                      |
| 1927                                                  | 197,996           | 40,671                       | 91,413                         | 10,926           | 39,900             | 6,991              | —                                | 8,095                      |
| 1928                                                  | 165,143           | 43,858                       | 64,073                         | 10,653           | 18,474             | 16,564             | —                                | 11,521                     |
| 1929                                                  | 192,496           | 43,919                       | 73,450                         | 11,051           | 25,017             | 28,640             | —                                | 10,419                     |
| 1930                                                  | 160,178           | 34,010                       | 54,034                         | 13,063           | 23,208             | 26,994             | —                                | 8,869                      |
| 1931                                                  | 133,369           | 33,256                       | 43,456                         | 15,296           | 10,983             | 23,457             | —                                | 6,921                      |
| 1932                                                  | 117,406           | 31,252                       | 38,166                         | 17,359           | 9,203              | 15,558             | —                                | 5,868                      |
| 1933                                                  | 131,267           | 31,774                       | 31,134                         | 23,409           | 15,249             | 20,675             | —                                | 8,936                      |
| 1934                                                  | 153,568           | 39,420                       | 41,937                         | 21,231           | 13,359             | 30,092             | —                                | 7,529                      |
| 1935                                                  | 170,869           | 45,896                       | 49,046                         | 25,678           | 14,936             | 27,677             | —                                | 7,736                      |
| 1936                                                  | 188,586           | 56,586                       | 47,426                         | 26,655           | 13,815             | 39,032             | —                                | 5,092                      |
| 1937                                                  | 196,807           | 45,944                       | 63,967                         | 28,291           | 12,596             | 39,632             | —                                | 6,377                      |
| 1938                                                  | 168,435           | 41,853                       | 54,989                         | 25,746           | 9,992              | 29,536             | —                                | 6,319                      |
| 1939                                                  | 189,351           | 46,798                       | 59,179                         | 29,616           | 11,608             | 34,246             | —                                | 7,904                      |
| 1940                                                  | 217,407           | 54,459                       | 64,605                         | 36,081           | 19,338             | 32,717             | —                                | 10,207                     |
| 1941                                                  | 232,171           | 60,435                       | 65,186                         | 37,830           | 23,099             | 33,529             | —                                | 12,092                     |
| 1942                                                  | 214,511           | 59,406                       | 67,231                         | 38,682           | 12,154             | 27,308             | —                                | 9,730                      |
| 1943                                                  | 214,132           | 63,090                       | 59,356                         | 42,720           | 14,580             | 24,455             | —                                | 9,931                      |
| 1944                                                  | 208,323           | 61,266                       | 53,035                         | 45,452           | 11,182             | 27,598             | —                                | 9,790                      |
| 1945                                                  | 220,733           | 75,444                       | 43,851                         | 48,645           | 12,184             | 30,932             | —                                | 9,677                      |
| 1946                                                  | 261,500           | 83,305                       | 69,680                         | 39,789           | 16,498             | 41,929             | —                                | 10,299                     |
| 1947                                                  | 335,692           | 98,896                       | 101,835                        | 39,941           | 35,570             | 47,590             | —                                | 11,860                     |
| 1948                                                  | 319,133           | 93,780                       | 104,061                        | 39,882           | 31,689             | 37,569             | —                                | 12,152                     |
| 1949                                                  | 347,095           | 91,213                       | 84,932                         | 44,776           | 89,222             | 26,077             | —                                | 10,875                     |
| 1950                                                  | 378,704           | 102,659                      | 97,327                         | 59,268           | 83,365             | 26,089             | —                                | 9,996                      |
| 1951                                                  | 432,813           | 114,842                      | 105,401                        | 72,290           | 100,872            | 28,461             | —                                | 10,947                     |
| Market Pulp                                           |                   |                              |                                |                  |                    |                    |                                  |                            |
| 1952                                                  | 176,005           | 47,165                       | 26,616                         | 45,680           | 34,360             | 10,047             | 312                              | 11,925                     |
| 1953                                                  | 219,228e          | 52,524e                      | 32,260e                        | 63,979e          | 47,499e            | 10,179e            | —                                | 12,787e                    |

e: Canadian Pulp and Paper Association estimate.

Note: Prior to 1952 transfers of own pulp from one mill to another were reported as purchases by the consuming mills and as sales by the producing mills.

Source: Dominion Bureau of Statistics.



Table 36.

## Imports of Wood-Pulp

| Year           | All Kinds<br>Tons | Bleached<br>Sulphite<br>Tons | Unbleached<br>Sulphite<br>Tons | Sulphate<br>Tons | Mechanical<br>Tons | Other<br>Wood-Pulp<br>Tons |
|----------------|-------------------|------------------------------|--------------------------------|------------------|--------------------|----------------------------|
| 1920 . . . . . | 21,142            | 50                           | 13,162                         | 3,587e           | 3,586e             | 757                        |
| 1921 . . . . . | 20,196            | 25                           | 14,228                         | 1,585e           | 1,257e             | 3,101                      |
| 1922 . . . . . | 17,576            | 184                          | 15,390                         | 276c             | —                  | 1,726                      |
| 1923 . . . . . | 18,401            | 207                          | 14,258                         | —                | 1,172e             | 2,764                      |
| 1924 . . . . . | 24,496            | 79                           | 20,301                         | 112              | 2,936              | 1,068                      |
| 1925 . . . . . | 23,423            | 320                          | 20,484                         | —                | 1,353              | 1,266                      |
| 1926 . . . . . | 22,938            | 257                          | 17,927                         | —                | 2,723              | 2,031                      |
| 1927 . . . . . | 23,677            | 213                          | 22,325                         | —                | 352                | 787                        |
| 1928 . . . . . | 22,424            | 293                          | 21,675                         | —                | 189                | 267                        |
| 1929 . . . . . | 19,874            | 588                          | 18,930                         | c                | 198                | 158                        |
| 1930 . . . . . | 18,526            | 1,291                        | 12,937                         | 1,672            | 2,604              | 22                         |
| 1931 . . . . . | 14,418            | 201                          | 12,741                         | 983              | 404                | 89                         |
| 1932 . . . . . | 13,420            | 161                          | 13,072                         | 6                | 40                 | 141                        |
| 1933 . . . . . | 5,708             | 74                           | 5,430                          | 2                | 158                | 44                         |
| 1934 . . . . . | 8,205             | 87                           | 8,086                          | c                | 32                 | —                          |
| 1935 . . . . . | 16,378            | 106                          | 16,104                         | —                | 117                | 51                         |
| 1936 . . . . . | 19,201            | 31                           | 19,008                         | 1                | 43                 | 118                        |
| 1937 . . . . . | 21,054            | 20                           | 20,443                         | c                | 415                | 176                        |
| 1938 . . . . . | 16,979            | 61                           | 15,970                         | 639              | 240                | 69                         |
| 1939 . . . . . | 21,544            | 895                          | 19,334                         | 1,112            | 21                 | 182                        |
| 1940 . . . . . | 19,996            | 1,661                        | 18,009                         | 159              | 142                | 25                         |
| 1941 . . . . . | 20,653            | 1,031                        | 16,047                         | —                | 3,575              | —                          |
| 1942 . . . . . | 21,450            | 1,861                        | 19,589                         | —                | —                  | —                          |
| 1943 . . . . . | 21,662            | 3,046                        | 18,616                         | —                | —                  | —                          |
| 1944 . . . . . | 13,747            | 3,391                        | 10,356                         | —                | —                  | —                          |
| 1945 . . . . . | 14,510            | 2,999                        | 10,758                         | —                | 753                | —                          |
| 1946 . . . . . | 14,471            | 4,121                        | 10,295                         | —                | 55                 | —                          |
| 1947 . . . . . | 28,326            | 4,963                        | 22,121                         | —                | 1,242              | —                          |
| 1948 . . . . . | 33,004            | 5,290                        | 25,295                         | 150              | 2,269              | —                          |
| 1949 . . . . . | 35,432            | 8,824                        | 23,979                         | 2,199            | 362                | 68                         |
| 1950 . . . . . | 36,583            | 7,245                        | 25,941                         | 2,185            | 1,185              | 27                         |
| 1951 . . . . . | 36,416            | 5,061                        | 25,758                         | 4,047            | 1,548              | 2                          |
| 1952 . . . . . | 57,332            | 9,728                        | 27,678                         | 4,530            | 15,396             | —                          |
| 1953 . . . . . | 43,384            | 6,792                        | 26,573                         | 7,473            | 2,546              | —                          |

c: Fraction of a ton.

e: Canadian Pulp and Paper Association estimates.

Source: Dominion Bureau of Statistics.

Table 37.

## Newfoundland Production and Exports of Wood-Pulp

| Year†           | Production             |            | Exports             |           |            |           |
|-----------------|------------------------|------------|---------------------|-----------|------------|-----------|
|                 | Unbleached<br>Sulphite | Mechanical | Unbleached Sulphite |           | Mechanical |           |
|                 | Tons                   | Tons       | Tons                | \$        | Tons       | \$        |
| 1920 . . . . .  | n.a.                   | n.a.       | 2,324               | 205,151   | 17,540     | 129,125   |
| 1921 . . . . .  | n.a.                   | n.a.       | —                   | —         | 26,838     | 246,009   |
| 1922 . . . . .  | n.a.                   | n.a.       | —                   | —         | 19,932     | 364,514   |
| 1923 . . . . .  | n.a.                   | n.a.       | —                   | —         | 21,680     | 364,289   |
| 1924 . . . . .  | n.a.                   | n.a.       | —                   | —         | 31,674     | 531,833   |
| 1925 . . . . .  | n.a.                   | n.a.       | —                   | —         | 12,711     | 215,896   |
| 1926 . . . . .  | n.a.                   | n.a.       | —                   | —         | 11,147     | 175,325   |
| 1927 . . . . .  | 58,422                 | 177,470    | —                   | —         | 3,689      | 56,801    |
| 1928 . . . . .  | 57,320                 | 174,163    | —                   | —         | 22         | 143       |
| 1929 . . . . .  | 55,515                 | 176,368    | —                   | —         | 65         | 956       |
| 1930 . . . . .  | 65,036                 | 222,665    | —                   | —         | c          | 6         |
| 1931 . . . . .  | 60,626                 | 220,460    | —                   | —         | —          | —         |
| 1932 . . . . .  | 51,808                 | 211,642    | —                   | —         | —          | —         |
| 1933 . . . . .  | 42,990                 | 222,665    | —                   | —         | —          | —         |
| 1934 . . . . .  | 49,603                 | 256,836    | —                   | —         | —          | —         |
| 1935 . . . . .  | 52,326                 | 279,106    | —                   | —         | —          | —         |
| 1936 . . . . .  | 49,355                 | 272,512    | —                   | —         | —          | —         |
| 1937 . . . . .  | 57,752                 | 295,000    | —                   | —         | —          | —         |
| 1938 . . . . .  | 40,609                 | 226,017    | 4,334               | 182,618   | —          | —         |
| 1939 . . . . .  | 52,907                 | 263,395    | —                   | —         | —          | —         |
| 1940 . . . . .  | 85,306                 | 308,132    | 11,111              | 512,949   | 98         | 3,463     |
| 1941 . . . . .  | 105,065                | 307,689    | 28,932              | 1,676,921 | 8,685      | 252,557   |
| 1942 . . . . .  | 118,071                | 265,219    | 57,849              | 3,284,247 | 22,779     | 790,137   |
| 1943 . . . . .  | 77,729                 | 239,842    | 30,827              | 1,742,820 | 24,825     | 870,777   |
| 1944 . . . . .  | 70,466                 | 287,776    | 36,541              | 2,088,100 | 35,517     | 1,463,790 |
| 1945 . . . . .  | 77,806                 | 314,144    | 27,559              | 1,661,620 | 38,250     | 1,814,895 |
| 1945* . . . . . | .....                  | .....      | 33,753              | 2,299,055 | 12,389     | 744,931   |
| 1946 . . . . .  | 72,255                 | 331,085    | 15,177              | 1,231,586 | 246        | 14,986    |
| 1947 . . . . .  | 99,391                 | 340,070    | 39,755              | 2,753,059 | 404        | 24,900    |
| 1948 . . . . .  | 115,965                | 351,726    | 42,139              | 3,224,896 | 2,435      | 154,637   |

† All production figures are for calendar years. Export figures 1920-1942, fiscal years ending June 30; 1943, 9 months ending March 31; 1945\*, 9 months ending December 31; 1946-1948, calendar years.

See other footnotes on page 9.

Note: This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated with the Canadian totals.

Sources: Production, 1927-1944, United States Pulp Producers' Association; 1945-1948, Canadian Pulp and Paper Association. Exports, Newfoundland Customs Returns.



Table 38.

## Canadian Pulp in U.S. Market

The following figures cover all grades of pulp including mechanical and screenings. Over the war years imports of mechanical pulp by the United States have averaged some 17 per cent of total pulp imports.

| Tons | U.S. Pulp Production | Total U.S. Imports | U.S. Imports from Canada | U.S. Exports | U.S. Net Imports |
|------|----------------------|--------------------|--------------------------|--------------|------------------|
| 1925 | 3,962,217            | 1,663,614          | 880,453                  | 37,995       | 1,625,619        |
| 1926 | 4,394,766            | 1,731,413          | 864,333                  | 34,220       | 1,697,193        |
| 1927 | 4,313,403            | 1,675,768          | 778,999                  | 32,006       | 1,643,762        |
| 1928 | 4,510,800            | 1,754,963          | 784,981                  | 33,484       | 1,721,479        |
| 1929 | 4,862,885            | 1,880,728          | 796,945                  | 54,067       | 1,826,661        |
| 1930 | 4,650,308            | 1,830,217          | 735,864                  | 48,426       | 1,781,791        |
| 1931 | 4,409,344            | 1,596,421          | 550,127                  | 53,308       | 1,543,113        |
| 1932 | 3,760,267            | 1,481,760          | 425,326                  | 47,860       | 1,433,900        |
| 1933 | 4,276,204            | 1,941,576          | 550,871                  | 79,193       | 1,862,383        |
| 1934 | 4,456,128            | 1,805,972          | 541,728                  | 142,932      | 1,663,040        |
| 1935 | 4,925,669            | 1,933,249          | 541,078                  | 171,853      | 1,761,396        |
| 1936 | 5,695,219            | 2,277,500          | 670,962                  | 193,485      | 2,084,015        |
| 1937 | 6,572,918            | 2,394,605          | 712,238                  | 322,544      | 2,072,061        |
| 1938 | 5,953,560            | 1,710,393          | 467,323                  | 140,484      | 1,569,909        |
| 1939 | 6,993,334            | 2,026,441          | 637,953                  | 139,504      | 1,886,937        |
| 1940 | 8,959,559            | 1,224,570          | 828,307                  | 480,938      | 743,632          |
| 1941 | 10,375,422           | 1,157,886          | 1,130,624                | 328,608      | 829,278          |
| 1942 | 10,783,430           | 1,236,519          | 1,210,960                | 378,148      | 858,371          |
| 1943 | 9,680,462            | 1,305,549          | 1,279,886                | 300,700      | 1,004,849        |
| 1944 | 10,108,443           | 1,071,864          | 1,071,814                | 218,401      | 853,463          |
| 1945 | 10,167,200           | 1,754,065          | 1,079,014                | 135,362      | 1,618,703        |
| 1946 | 10,606,527           | 1,805,488          | 1,244,215                | 39,361       | 1,766,127        |
| 1947 | 11,945,864           | 2,322,460          | 1,520,913                | 130,096      | 2,192,364        |
| 1948 | 12,872,292           | 2,176,111          | 1,593,584                | 93,727       | 2,082,384        |
| 1949 | 12,207,279           | 1,763,102          | 1,313,884a               | 122,133      | 1,640,969        |
| 1950 | 14,848,951           | 2,385,181          | 1,717,035a               | 95,673       | 2,289,508        |
| 1951 | 16,524,408           | 2,360,706          | 1,876,505a               | 201,908      | 2,158,798        |
| 1952 | 16,472,979           | 1,941,359          | 1,581,214a               | 211,924      | 1,729,435        |
| 1953 | 17,524,929           | 2,156,285          | 1,613,684a               | 161,687      | 1,994,598        |

a: Includes Newfoundland.

n.a.: Not available.

Source: United States Pulp Producers Association.

Table 39.

## Average Values of U.S. Pulp Imports From Canada &amp; Newfoundland

| Per ton | Rayon & Special Chemical Grades | Bleached Sulphite Other Than Rayon & Special Chemical | Unbleached Sulphite | Bleached Sulphate | Unbleached Sulphate | Mechanical |
|---------|---------------------------------|-------------------------------------------------------|---------------------|-------------------|---------------------|------------|
| 1937    | \$ 71.82                        | \$ 57.21                                              | \$ 41.47            | \$ 66.83          | \$ 41.10            | \$19.23    |
| 1938    | 86.65                           | 53.16                                                 | 37.97               | 67.28             | 47.24               | 22.50      |
| 1939    | 74.82                           | 48.42                                                 | 36.40               | 58.87             | 48.84               | 24.26      |
| 1940    | 78.45                           | 61.88                                                 | 48.84               | 74.81             | 58.18               | 28.05      |
| 1941    | 82.04                           | 67.37                                                 | 53.86               | 80.64             | 57.84               | 28.25      |
| 1942    | 81.22                           | 68.21                                                 | 56.09               | 84.55             | 61.08               | 34.57      |
| 1943    | 84.47                           | 69.69                                                 | 57.89               | 85.72             | 62.94               | 32.28      |
| 1944    | 92.68                           | 78.38                                                 | 65.99               | 85.85             | 66.77               | 38.31      |
| 1945    | 93.89                           | 79.49                                                 | 67.51               | 85.77             | 69.25               | 40.10      |
| 1946    | 109.74                          | 87.19                                                 | 76.80               | 93.48             | 77.98               | 45.30      |
| 1947    | 136.49                          | 123.41                                                | 103.06              | 120.65            | 104.58              | 59.76      |
| 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              | 160.36            | 132.24              | 76.80      |

Source: United States Pulp Producers Association.

Table 40.

## World Pulp Figures — 1952\*

|                              | In 000's of short tons | Production | Imports | Exports |
|------------------------------|------------------------|------------|---------|---------|
| Canada (incl. Newfoundland)  | 8,897                  | 55         | 1,941   |         |
| United States                | 16,464                 | 1,938      | 212     |         |
|                              | 25,361                 | 1,993      | 2,153   |         |
| Finland                      | 2,071                  | —          | 949     |         |
| Norway                       | 1,191                  | 8          | 590     |         |
| Sweden                       | 3,379                  | —          | 1,797   |         |
|                              | 6,641                  | 8          | 3,336   |         |
| Western & Central Europe (a) | 2,896                  | 3,111      | 155     |         |
| Other countries (b)          | 1,704                  | 297        | 0       |         |
| Total, above countries       | 36,602                 | 5,409      | 5,644   |         |

(a) Includes Austria, Belgium, Denmark, France, Great Britain, Greece, Italy, Netherlands, Portugal, Spain, Switzerland, Turkey and Western Germany.

(b) Includes Australia, Brazil, Chile, India, Japan, New Zealand and Venezuela.

\* Above table includes data from major pulp producing and consuming countries for which reliable and current data are available.

Source: United States Pulp Producers Association.

Table 41.

## Year-end Inventories of Pulp at Pulp Mills

|                             | 1950   | 1951   | 1952   | 1953   |
|-----------------------------|--------|--------|--------|--------|
|                             | Tons   | Tons   | Tons   | Tons   |
| Dissolving & Special Alpha  | 18,246 | 9,388  | 18,246 | 16,571 |
| Total Sulphite—Paper Grades | 29,866 | 24,032 | 29,866 | 18,875 |
| Total Bleached Sulphite     | 7,524  | 4,678  | 7,524  | 5,523  |
| Total Unbleached Sulphite   | 22,342 | 19,354 | 22,342 | 13,352 |
| News Grade                  | 5,662  | 6,230  | 5,662  | 3,666  |
| Strong                      | 16,680 | 13,124 | 16,680 | 9,686  |
| Total Sulphate—Paper Grades | 24,525 | 11,300 | 24,525 | 16,003 |
| Bleached                    | 14,597 | 7,867  | 14,597 | 9,237  |
| Semi-Bleached               | 1,087  | 5      | 1,087  | 589    |
| Unbleached                  | 8,841  | 3,428  | 8,841  | 6,177  |
| Total Chemical              | 73,456 | 44,942 | 73,456 | 52,408 |
| Mechanical                  | 14,719 | 16,901 | 14,719 | 9,384  |
| Total—All Pulp*             | 88,175 | 61,843 | 88,175 | 61,792 |
| Screenings                  | 8,191  | 4,344  | 8,191  | 3,248  |

\* Includes other unspecified grades.

Source: Canadian Pulp and Paper Association.



# "D" — NEWSPRINT

Data in this section have been compiled by  
Newsprint Association of Canada from the sources mentioned.

Table 42.

## Newsprint Capacity and Production

| All figures include Newfoundland. |           |                 |            |
|-----------------------------------|-----------|-----------------|------------|
| Tons                              | Capacity  | Operating Ratio | Production |
| 1913                              | .....     | ...             | 402,000    |
| 1914                              | .....     | ...             | 470,000    |
| 1915                              | .....     | ...             | 549,000    |
| 1916                              | .....     | ...             | 662,000    |
| 1917                              | .....     | ...             | 722,000    |
| 1918                              | 837,000   | 92.0            | 770,000    |
| 1919                              | 905,000   | 93.8            | 849,000    |
| 1920                              | 1,016,000 | 92.3            | 938,000    |
| 1921                              | 1,151,000 | 74.0            | 852,000    |
| 1922                              | 1,277,000 | 89.5            | 1,143,244  |
| 1923                              | 1,465,000 | 90.8            | 1,330,138  |
| 1924                              | 1,638,000 | 86.5            | 1,417,642  |
| 1925                              | 1,823,000 | 88.8            | 1,618,805  |
| 1926                              | 2,121,000 | 97.5            | 2,068,208  |
| 1927                              | 2,716,000 | 84.3            | 2,289,801  |
| 1928                              | 3,262,000 | 80.1            | 2,611,847  |
| 1929                              | 3,512,000 | 85.0            | 2,984,327  |
| 1930                              | 3,902,000 | 71.5            | 2,791,406  |
| 1931                              | 4,127,000 | 61.0            | 2,516,437  |
| 1932                              | 4,142,000 | 52.8            | 2,186,120  |
| 1933                              | 4,149,000 | 55.0            | 2,282,066  |
| 1934                              | 4,182,000 | 69.6            | 2,911,355  |
| 1935                              | 4,263,120 | 72.3            | 3,082,994  |
| 1936                              | 4,217,860 | 83.8            | 3,535,465  |
| 1937                              | 4,210,743 | 94.9            | 3,997,942  |
| 1938                              | 4,534,884 | 63.8            | 2,892,984  |
| 1939                              | 4,632,936 | 68.5            | 3,174,544  |
| 1940                              | 4,716,030 | 79.9            | 3,769,946  |
| 1941                              | 4,702,671 | 80.2            | 3,770,665  |
| 1942                              | 4,763,235 | 72.5            | 3,454,528  |
| 1943                              | 4,677,951 | 68.8            | 3,219,004  |
| 1944                              | 4,726,464 | 69.1            | 3,264,581  |
| 1945                              | 4,672,080 | 76.9            | 3,591,901  |
| 1946                              | 4,640,944 | 97.1            | 4,506,063  |
| 1947                              | 4,728,724 | 101.9           | 4,820,164  |
| 1948                              | 4,883,127 | 102.0           | 4,982,834  |
| 1949                              | 5,113,108 | 101.2           | 5,176,327  |
| 1950                              | 5,226,675 | 101.0           | 5,278,585  |
| 1951                              | 5,359,816 | 102.9           | 5,516,279  |
| 1952                              | 5,510,397 | 103.2           | 5,687,051  |
| 1953                              | 5,722,640 | 100.0           | 5,721,296  |

Figures for 1913-17 cover fiscal years.

Sources: Newsprint Association of Canada and Newsprint Service Bureau.

Table 43.

## Newsprint Shipments and Mill Stocks

| Shipments to: |                       |           |          |           |             |
|---------------|-----------------------|-----------|----------|-----------|-------------|
| Tons          | Canada & Newfoundland | U.S.A.    | Overseas | Total     | Mill Stocks |
| 1913          | .....                 | 218,000   | 92,000   | .....     | .....       |
| 1914          | .....                 | 275,000   | 104,000  | .....     | .....       |
| 1915          | .....                 | 329,000   | 95,000   | .....     | .....       |
| 1916          | .....                 | 438,000   | 125,000  | .....     | .....       |
| 1917          | .....                 | 491,000   | 79,000   | .....     | .....       |
| 1918          | .....                 | 602,000   | 65,000   | .....     | .....       |
| 1919          | .....                 | 628,000   | 115,000  | .....     | .....       |
| 1920          | 110,000               | 679,306   | 160,000  | 949,306   | 67,999      |
| 1921          | 95,000                | 656,660   | 96,000   | 847,660   | 72,339      |
| 1922          | 129,000               | 896,311   | 136,000  | 1,161,311 | 54,272      |
| 1923          | 120,000               | 1,108,466 | 85,000   | 1,313,466 | 70,944      |
| 1924          | 127,000               | 1,200,803 | 88,000   | 1,415,803 | 72,783      |
| 1925          | 124,000               | 1,315,404 | 148,000  | 1,587,404 | 104,184     |
| 1926          | 147,000               | 1,750,749 | 182,000  | 2,079,749 | 92,643      |
| 1927          | 181,000               | 1,865,003 | 234,000  | 2,280,003 | 102,441     |
| 1928          | 193,000               | 2,040,920 | 370,000  | 2,603,920 | 110,368     |
| 1929          | 208,000               | 2,326,502 | 442,000  | 2,976,502 | 118,193     |
| 1930          | 162,000               | 2,145,471 | 442,000  | 2,749,471 | 160,128     |
| 1931          | 195,000               | 1,915,838 | 377,000  | 2,487,838 | 188,727     |
| 1932          | 146,000               | 1,647,216 | 386,000  | 2,179,216 | 195,631     |
| 1933          | 148,640               | 1,715,331 | 459,447  | 2,323,418 | 154,279     |
| 1934          | 173,755               | 2,113,767 | 625,877  | 2,913,399 | 152,235     |
| 1935          | 200,303               | 2,122,099 | 727,338  | 3,049,740 | 185,489     |
| 1936          | 194,808               | 2,550,925 | 845,778  | 3,591,511 | 129,443     |
| 1937          | 220,200               | 3,044,731 | 766,933  | 4,031,864 | 95,521      |
| 1938          | 159,792               | 1,940,303 | 680,229  | 2,780,324 | 208,181     |
| 1939          | 190,102               | 2,281,460 | 653,151  | 3,124,713 | 258,012     |
| 1940          | 184,605               | 2,741,363 | 877,851  | 3,803,819 | 224,139     |
| 1941          | 197,508               | 2,987,235 | 616,890  | 3,801,633 | 193,171     |
| 1942          | 203,484               | 3,006,592 | 278,791  | 3,488,867 | 158,832     |
| 1943          | 193,848               | 2,680,790 | 398,640  | 3,273,278 | 104,558     |
| 1944          | 188,261               | 2,529,693 | 553,457  | 3,271,411 | 97,728      |
| 1945          | 201,492               | 2,665,947 | 685,469  | 3,552,908 | 136,721     |
| 1946          | 248,366               | 3,563,124 | 684,770  | 4,496,260 | 146,524     |
| 1947          | 275,144               | 3,897,300 | 700,839  | 4,873,283 | 95,405      |
| 1948          | 306,485               | 4,127,970 | 532,589  | 4,967,044 | 109,195     |
| 1949          | 335,385               | 4,380,250 | 448,697  | 5,164,332 | 121,190     |
| 1950          | 354,602               | 4,748,228 | 207,803  | 5,310,633 | 89,142      |
| 1951          | 359,895               | 4,783,549 | 360,067  | 5,503,511 | 101,910     |
| 1952          | 368,768               | 4,835,065 | 462,616  | 5,666,449 | 122,512     |
| 1953          | 398,277               | 4,861,372 | 472,915  | 5,732,564 | 111,244     |

Figures for 1913-17 cover fiscal years.

Sources: Newsprint Association of Canada and Newsprint Service Bureau.

Table 44.

## Newsprint Capacity and Production

| All figures include Newfoundland. |                     |                  |                    |
|-----------------------------------|---------------------|------------------|--------------------|
| Tons                              | Number of Work Days | Capacity Per Day | Production Per Day |
| 1935                              | 310                 | 13,752           | 9,945              |
| 1936                              | 310                 | 13,606           | 11,405             |
| 1937                              | 309                 | 13,627           | 12,938             |
| 1938                              | 309                 | 14,676           | 9,362              |
| 1939                              | 308                 | 15,042           | 10,307             |
| 1940                              | 310                 | 15,213           | 12,161             |
| 1941                              | 309                 | 15,219           | 12,203             |
| 1942                              | 309                 | 15,415           | 11,180             |
| 1943                              | 309                 | 15,139           | 10,417             |
| 1944                              | 309                 | 15,296           | 10,565             |
| 1945                              | 309                 | 15,120           | 11,624             |
| 1946                              | 308                 | 15,068           | 14,630             |
| 1947                              | 308                 | 15,353           | 15,650             |
| 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             |

Because of variations in the number of workdays in a year or a month, daily capacity provides the most accurate measurement of changes in capacity.

Source: Newsprint Association of Canada.

Table 45.

## Newsprint Overseas Shipments

| Including Shipments from Newfoundland. |               |                  |               |                 |            |
|----------------------------------------|---------------|------------------|---------------|-----------------|------------|
| Tons                                   | British Isles | Australia & N.Z. | South America | Central America | All Others |
| 1935                                   | 330,331       | 143,106          | 95,907        | 21,707          | 136,287    |
| 1936                                   | 347,516       | 232,502          | 104,439       | 35,016          | 126,305    |
| 1937                                   | 408,043       | 125,222          | 101,468       | 42,508          | 89,692     |
| 1938                                   | 384,149       | 213,400          | 35,245        | 15,351          | 32,084     |
| 1939                                   | 354,211       | 171,839          | 54,501        | 29,757          | 42,843     |
| 1940                                   | 335,586       | 196,028          | 172,153       | 56,454          | 117,630    |
| 1941                                   | 150,863       | 91,441           | 208,144       | 60,735          | 105,707    |
| 1942                                   | 69,659        | 10,780           | 99,336        | 64,355          | 34,661     |
| 1943                                   | 127,856       | 52,202           | 133,188       | 47,308          | 38,086     |
| 1944                                   | 149,934       | 111,543          | 140,686       | 75,883          | 75,411     |
| 1945                                   | 223,044       | 116,211          | 146,700       | 78,957          | 120,557    |
| 1946                                   | 119,631       | 195,067          | 158,373       | 96,576          | 115,123    |
| 1947                                   | 131,203       | 212,444          | 131,658       | 102,382         | 123,152    |
| 1948                                   | 123,310       | 78,196           | 95,213        | 112,198         | 123,672    |
| 1949                                   | 126,484       | 74,000           | 33,417        | 106,332         | 108,464    |
| 1950                                   | 28,056        | 33,030           | 16,469        | 88,454          | 41,794     |
| 1951                                   | 103,462       | 37,671           | 15,463        | 116,306         | 87,165     |
| 1952                                   | 135,749       | 76,266           | 29,020        | 134,008         | 87,571     |
| 1953                                   | 189,591       | 48,396           | 30,420        | 127,997         | 76,511     |

Source: Newsprint Association of Canada.



Table 46.  
Value of Newsprint Production and Exports

|      | Production  | Exports       |
|------|-------------|---------------|
| 1915 | \$ a        | \$ 16,438,679 |
| 1916 | a           | 21,098,997    |
| 1917 | 38,868,084  | 32,561,020    |
| 1918 | 46,230,814  | 37,301,269    |
| 1919 | 54,427,879  | 49,811,362    |
| 1920 | 80,865,271  | 72,920,225    |
| 1921 | 78,784,598  | 69,786,317    |
| 1922 | 75,971,327  | 68,362,817    |
| 1923 | 93,213,340  | 85,611,258    |
| 1924 | 100,276,903 | 90,990,711    |
| 1925 | 106,268,641 | 98,945,337    |
| 1926 | 121,064,946 | 114,090,595   |
| 1927 | 132,286,729 | 123,222,094   |
| 1928 | 144,146,632 | 141,103,527   |
| 1929 | 160,800,157 | 148,865,648   |
| 1930 | 136,181,883 | 133,370,932   |
| 1931 | 111,419,637 | 107,233,112   |
| 1932 | 85,539,852  | 82,966,199    |
| 1933 | 66,959,501  | 69,200,515    |
| 1934 | 86,811,460  | 82,503,659    |
| 1935 | 88,436,465  | 87,924,251    |
| 1936 | 105,214,533 | 103,639,634   |
| 1937 | 126,424,303 | 126,466,412   |
| 1938 | 107,051,202 | 104,615,042   |
| 1939 | 120,858,583 | 115,687,288   |
| 1940 | 158,447,311 | 151,360,196   |
| 1941 | 158,925,310 | 154,356,543   |
| 1942 | 147,074,109 | 141,065,618   |
| 1943 | 152,962,868 | 144,707,065   |
| 1944 | 165,655,165 | 157,190,834   |
| 1945 | 189,023,736 | 179,450,771   |
| 1946 | 280,809,610 | 265,864,969   |
| 1947 | 355,540,669 | 342,293,158   |
| 1948 | 402,099,718 | 383,122,743   |
| 1949 | 467,976,343 | 440,054,067   |
| 1950 | 506,968,207 | 485,746,314   |
| 1951 | 564,361,193 | 536,372,498   |
| 1952 | 600,515,960 | 591,790,209   |
| 1953 | a           | 619,033,394   |

a: Not available.  
Figures for 1915-1948 do not include Newfoundland.  
Source: Dominion Bureau of Statistics.

Table 47. U.S. Newsprint Production

| Tons | Capacity  | Production | Shipments to: | Total     |
|------|-----------|------------|---------------|-----------|
|      |           |            | U.S.A.        | Shipments |
| 1913 |           | 1,305,000  |               |           |
| 1914 |           | 1,313,000  |               |           |
| 1915 |           | 1,239,000  |               |           |
| 1916 |           | 1,315,000  |               |           |
| 1917 |           | 1,359,000  |               |           |
| 1918 | 1,450,000 | 1,260,000  |               |           |
| 1919 | 1,388,000 | 1,375,000  |               |           |
| 1920 | 1,548,000 | 1,511,968  |               | 1,502,574 |
| 1921 | 1,668,000 | 1,225,235  |               | 1,226,064 |
| 1922 | 1,639,000 | 1,447,688  |               | 1,452,414 |
| 1923 | 1,578,000 | 1,485,000  |               | 1,477,332 |
| 1924 | 1,632,000 | 1,481,424  |               | 1,480,819 |
| 1925 | 1,721,000 | 1,530,318  | 1,521,560     | 1,534,345 |
| 1926 | 1,763,000 | 1,684,218  | 1,679,952     | 1,684,790 |
| 1927 | 1,788,000 | 1,485,495  | 1,471,950     | 1,474,521 |
| 1928 | 1,735,000 | 1,417,572  | 1,397,082     | 1,399,425 |
| 1929 | 1,741,000 | 1,392,276  | 1,406,469     | 1,409,239 |
| 1930 | 1,687,000 | 1,282,372  | 1,262,721     | 1,268,065 |
| 1931 | 1,768,000 | 1,157,436  | 1,156,610     | 1,157,827 |
| 1932 | 1,771,000 | 1,008,588  | 1,008,982     | 1,009,965 |
| 1933 | 1,735,000 | 946,374    | 949,730       | 950,171   |
| 1934 | 1,714,000 | 961,403    | 962,318       | 966,515   |
| 1935 | 1,504,000 | 912,392    | 910,895       | 917,236   |
| 1936 | 1,471,000 | 921,408    | 911,488       | 916,676   |
| 1937 | 1,464,000 | 945,721    | 940,089       | 944,629   |
| 1938 | 1,094,000 | 820,055    | 816,295       | 816,577   |
| 1939 | 972,000   | 939,442    | 942,240       | 945,073   |
| 1940 | 1,081,000 | 1,013,437  | 998,378       | 1,012,934 |
| 1941 | 1,085,000 | 1,014,912  | 995,448       | 1,020,781 |
| 1942 | 1,126,000 | 952,616    | 932,931       | 950,601   |
| 1943 | 1,033,000 | 804,853    | 788,932       | 803,462   |
| 1944 | 1,033,000 | 719,802    | 708,815       | 723,437   |
| 1945 | 981,000   | 724,448    | 707,433       | 725,465   |
| 1946 | 839,000   | 770,890    | 753,631       | 762,012   |
| 1947 | 845,000   | 825,554    | 824,020       | 832,471   |
| 1948 | 850,000   | 867,494    | 857,540       | 866,849   |
| 1949 | 876,000   | 899,528    | 883,657       | 897,660   |
| 1950 | 992,000   | 1,014,703  | 1,002,125     | 1,017,276 |
| 1951 | 1,050,000 | 1,124,748  | 1,107,552     | 1,125,421 |
| 1952 | 1,165,000 | 1,146,864  | 1,075,540     | 1,142,706 |
| 1953 | 1,170,000 | 1,083,982  | 1,057,288     | 1,087,682 |

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 exports, such 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 1952, the Department showed exports of 104,998 tons versus 67,166 tons reported by the mills.

Source: Newsprint Service Bureau.

Table 48. Newfoundland Newsprint Production

| Tons        | Capacity | Production | Shipments to: | Total     |
|-------------|----------|------------|---------------|-----------|
|             |          |            | U.S.A.        | Shipments |
| 1913        |          | 77,200     |               | 52,890    |
| 1914        |          | 77,200     |               | 55,558    |
| 1915        |          | 77,200     |               | 42,429    |
| 1916        |          | 77,200     |               | 71,984    |
| 1917        |          | 77,200     |               | 18,344    |
| 1918        |          | 77,200     | 24,982        | 4,526     |
| 1919        |          | 77,200     | 14,995        | 29,271    |
| 1920        |          | 77,200     | 3,548         | 67,747    |
| 1921        |          | 77,200     | 219           | 42,260    |
| 1922        |          | 77,200     | 0             | 63,727    |
| 1923        |          | 77,200     | 0             | 61,898    |
| 1924        |          | 77,200     | 4,324         | 60,435    |
| 1925        | 108,000  | 96,588     | 24,447        | 66,850    |
| 1926        | 190,000  | 186,471    | 115,734       | 77,930    |
| 1927        | 241,000  | 202,852    | 87,706        | 100,779   |
| 1928        | 268,500  | 230,745    | 138,586       | 97,867    |
| 1929        | 287,450  | 255,500    | 156,705       | 100,409   |
| 1930        | 301,900  | 287,259    | 164,532       | 117,271   |
| 1931        | 301,943  | 294,983    | 170,252       | 121,707   |
| 1932        | 301,943  | 271,804    | 138,335       | 128,750   |
| 1933        | 301,943  | 270,001    | 130,155       | 166,568   |
| 1934        | 321,317  | 314,057    | 119,969       | 196,754   |
| 1935        | 348,952  | 332,144    | 113,503       | 200,764   |
| 1936        | 348,952  | 326,449    | 116,340       | 226,649   |
| 1937        | 327,590  | 330,142    | 135,371       | 241,177   |
| 1938        | 330,680  | 268,404    | 59,283        | 204,450   |
| 1939        | 339,680  | 305,278    | 87,334        | 175,557   |
| 1940        | 348,223  | 351,143    | 146,911       | 220,263   |
| 1941        | 361,860  | 344,800    | 217,233       | 367,885   |
| 1942        | 363,405  | 277,426    | 195,753       | 346,968   |
| 1943        | 363,405  | 236,207    | 131,031       | 83,479    |
| 1944        | 368,040  | 272,799    | 100,035       | 131,833   |
| 1945        | 371,130  | 332,693    | 121,831       | 169,734   |
| 1946        | 375,765  | 362,671    | 208,480       | 194,415   |
| 1947        | 393,125  | 373,375    | 212,160       | 150,513   |
| 1948        | 405,408  | 382,248    | 246,537       | 169,464   |
| 1949        | 461,076  | 444,196    | 324,680       | 128,237   |
| 1950 - 1953 |          |            |               | 101,176   |

(Included in Canadian Totals as noted below)

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated into the Canadian totals.

Sources: Newsprint Association of Canada and Newsprint Service Bureau.



Table 49.

## Principal Newsprint Producers Overseas

| FINLAND |            |         | NORWAY     |         | SWEDEN     |         | SCANDINAVIA |         | BRITAIN |            |         |
|---------|------------|---------|------------|---------|------------|---------|-------------|---------|---------|------------|---------|
| Tons    | Production | Exports | Production | Exports | Production | Exports | Production  | Exports | Tons    | Production | Exports |
| 1929    | 219,198    | 200,100 | 203,976    | 186,065 | 281,781    | 218,621 | 704,955     | 604,786 | 1929    | 637,000    | 107,672 |
| 1930    | 228,577    | 206,130 | 202,510    | 186,851 | 244,972    | 188,803 | 676,059     | 581,784 | 1930    | 607,992    | 88,878  |
| 1931    | 232,984    | 209,324 | 108,412    | 95,111  | 268,737    | 199,574 | 610,133     | 504,009 | 1931    | 719,040    | 66,340  |
| 1932    | 223,784    | 211,550 | 199,268    | 174,047 | 261,209    | 202,908 | 684,261     | 588,505 | 1932    | 789,992    | 94,028  |
| 1933    | 263,895    | 243,925 | 166,820    | 148,694 | 270,125    | 201,329 | 700,840     | 593,948 | 1933    | 830,032    | 88,882  |
| 1934    | 294,739    | 279,171 | 154,410    | 135,531 | 277,861    | 207,365 | 727,010     | 622,067 | 1934    | 940,016    | 66,406  |
| 1935    | 320,923    | 295,973 | 192,485    | 170,162 | 301,756    | 229,689 | 815,164     | 695,824 | 1935    | 970,032    | 78,884  |
| 1936    | 402,016    | 364,964 | 188,131    | 174,668 | 288,615    | 197,483 | 878,762     | 737,115 | 1936    | 1,003,968  | 86,423  |
| 1937    | 448,829    | 418,745 | 225,832    | 198,886 | 309,965    | 221,103 | 984,626     | 838,734 | 1937    | 1,032,976  | 63,497  |
| 1938    | 458,493    | 390,374 | 199,513    | 166,637 | 288,615    | 176,304 | 946,621     | 733,315 | 1938    | 953,999    | 65,036  |
| 1939    | 550,363    | 432,589 | 221,562    | 188,330 | 306,127    | 199,210 | 1,078,052   | 820,129 | 1939    | 848,002    | 41,731  |
| 1940    | 94,554     | 62,346  | 68,207     | 46,250  | 139,746    | 51,389  | 302,507     | 159,985 | 1940    | 332,640    | 7,939   |
| 1941    | 63,728     | 54,113  | 42,193     | 24,622  | 108,415    | 11,912  | 214,336     | 90,647  | 1941    | 168,000    | 248     |
| 1942    | 89,109     | 67,154  | 37,082     | 21,522  | 187,523    | 76,956  | 313,714     | 165,632 | 1942    | 156,464    | 78      |
| 1943    | 128,155    | 109,500 | 35,300     | 24,047  | 187,374    | 64,382  | 350,829     | 197,929 | 1943    | 144,892    | 296     |
| 1944    | 93,216     | 50,800  | 28,757     | 13,589  | 216,031    | 77,654  | 338,004     | 142,043 | 1944    | 169,179    | 688     |
| 1945    | 122,735    | 100,735 | 59,874     | 41,083  | 228,725    | 85,619  | 411,334     | 227,437 | 1945    | 181,037    | 3,702   |
| 1946    | 263,072    | 236,225 | 121,680    | 96,175  | 289,070    | 138,039 | 673,820     | 470,439 | 1946    | 330,176    | 17,208  |
| 1947    | 297,065    | 273,365 | 125,302    | 100,070 | 298,621    | 167,041 | 720,988     | 540,476 | 1947    | 282,240    | 3,233   |
| 1948    | 356,058    | 317,971 | 157,248    | 128,373 | 327,332    | 195,949 | 840,638     | 642,293 | 1948    | 335,630    | 22,213  |
| 1949    | 423,413    | 391,148 | 171,259    | 158,230 | 344,867    | 233,057 | 939,539     | 782,435 | 1949    | 329,135    | 67,758  |
| 1950    | 459,826    | 416,207 | 175,235    | 147,546 | 357,904    | 225,998 | 992,965     | 789,751 | 1950    | 609,280    | 114,271 |
| 1951    | 453,758    | 415,088 | 179,679    | 144,901 | 365,496    | 221,560 | 998,933     | 781,549 | 1951    | 590,100    | 106,685 |
| 1952    | 479,981    | 434,272 | 167,264    | 137,841 | 364,620    | 239,647 | 1,011,865   | 811,760 | 1952    | 601,290    | 82,494  |
| 1953    | 484,164    | 437,462 | 172,309    | 135,280 | 372,115    | 226,919 | 1,028,588   | 799,661 | 1953    | 675,242    | 139,305 |

Sources: Ticon; Scannews. Scandinavia covers total of Finland, Norway and Sweden.

Source: British Board of Trade.

Table 50.

## Sources of U.S. Newsprint Supply

| Tons | From: Canada & Newfoundland | U.S.A.    | Europe  | Total     |
|------|-----------------------------|-----------|---------|-----------|
| 1913 | 218,000                     | 1,255,000 | ....    | 1,473,000 |
| 1914 | 275,000                     | 1,269,000 | 3,000   | 1,547,000 |
| 1915 | 329,000                     | 1,176,000 | 4,000   | 1,509,000 |
| 1916 | 438,000                     | 1,251,000 | 1,000   | 1,690,000 |
| 1917 | 491,000                     | 1,287,000 | 1,000   | 1,779,000 |
| 1918 | 602,000                     | 1,150,000 | 0       | 1,752,000 |
| 1919 | 628,000                     | 1,264,000 | 0       | 1,892,000 |
| 1920 | 679,306                     | 1,465,739 | 50,561  | 2,195,606 |
| 1921 | 656,660                     | 1,208,390 | 135,320 | 2,000,370 |
| 1922 | 896,311                     | 1,421,924 | 132,957 | 2,451,192 |
| 1923 | 1,108,466                   | 1,468,643 | 200,377 | 2,777,486 |
| 1924 | 1,200,803                   | 1,464,265 | 156,430 | 2,821,498 |
| 1925 | 1,315,404                   | 1,507,580 | 133,021 | 2,956,005 |
| 1926 | 1,750,749                   | 1,664,960 | 99,926  | 3,515,635 |
| 1927 | 1,865,003                   | 1,473,166 | 122,062 | 3,460,231 |
| 1928 | 2,040,920                   | 1,406,182 | 116,246 | 3,563,348 |
| 1929 | 2,326,502                   | 1,373,581 | 96,198  | 3,796,281 |
| 1930 | 2,145,471                   | 1,272,168 | 134,180 | 3,551,819 |
| 1931 | 1,915,838                   | 1,147,783 | 151,068 | 3,214,689 |
| 1932 | 1,647,216                   | 1,000,124 | 144,921 | 2,792,261 |
| 1933 | 1,715,331                   | 949,730   | 153,203 | 2,818,264 |
| 1934 | 2,113,767                   | 962,318   | 147,060 | 3,223,145 |
| 1935 | 2,122,099                   | 910,895   | 197,085 | 3,230,079 |
| 1936 | 2,550,925                   | 911,488   | 242,352 | 3,704,765 |
| 1937 | 3,044,731                   | 940,089   | 293,953 | 4,278,773 |
| 1938 | 1,940,303                   | 816,295   | 243,065 | 2,999,663 |
| 1939 | 2,281,460                   | 942,240   | 310,216 | 3,533,916 |
| 1940 | 2,741,363                   | 998,378   | 33,850  | 3,773,591 |
| 1941 | 2,987,235                   | 995,448   | 2,865   | 3,985,548 |
| 1942 | 3,006,592                   | 932,931   | 1,527   | 3,941,050 |
| 1943 | 2,680,790                   | 788,932   | 0       | 3,469,722 |
| 1944 | 2,529,693                   | 708,815   | 0       | 3,238,508 |
| 1945 | 2,665,947                   | 707,433   | 0       | 3,373,380 |
| 1946 | 3,563,124                   | 753,631   | 13,480  | 4,330,235 |
| 1947 | 3,897,300                   | 824,020   | 128,936 | 4,850,256 |
| 1948 | 4,127,970                   | 857,540   | 267,434 | 5,252,944 |
| 1949 | 4,380,250                   | 883,657   | 254,749 | 5,518,656 |
| 1950 | 4,748,228                   | 1,002,125 | 171,033 | 5,921,386 |
| 1951 | 4,783,549                   | 1,107,552 | 206,319 | 6,097,420 |
| 1952 | 4,835,065                   | 1,075,450 | 182,708 | 6,093,313 |
| 1953 | 4,861,372                   | 1,057,228 | 164,097 | 6,082,757 |

Sources: Figures for 1913-32 are compiled from U.S. Dept. of Commerce reports of shipments taken; those for 1933 to date from NAC reports of mill shipments. The two are not strictly comparable due to the time lag between shipments and arrivals.

Table 51.

## U.S. Newsprint Consumption and Stocks

|      | ANPA      | Consumption<br>† Percent | Total     | Per Capita | Consumers' Stocks*<br>ANPA | Total   |
|------|-----------|--------------------------|-----------|------------|----------------------------|---------|
| 1913 | .....     | .....                    | 1,473,000 | 30.3       | .....                      | .....   |
| 1914 | .....     | .....                    | 1,547,000 | 31.2       | .....                      | .....   |
| 1915 | .....     | .....                    | 1,509,000 | 30.0       | .....                      | .....   |
| 1916 | .....     | .....                    | 1,690,000 | 33.2       | .....                      | .....   |
| 1917 | .....     | .....                    | 1,779,000 | 34.4       | .....                      | .....   |
| 1918 | .....     | .....                    | 1,752,000 | 33.5       | .....                      | .....   |
| 1919 | .....     | .....                    | 1,892,000 | 36.0       | .....                      | .....   |
| 1920 | .....     | .....                    | 2,197,000 | 41.3       | .....                      | .....   |
| 1921 | 1,818,617 | 89.0                     | 2,043,390 | 37.7       | 196,741                    | 269,025 |
| 1922 | 2,048,852 | 84.0                     | 2,439,110 | 44.3       | 211,325                    | 281,107 |
| 1923 | 1,819,141 | 65.5                     | 2,777,315 | 49.6       | 209,996                    | 281,278 |
| 1924 | 1,679,620 | 59.0                     | 2,846,814 | 49.9       | 199,979                    | 255,962 |
| 1925 | 1,808,229 | 60.0                     | 3,013,715 | 52.0       | 163,614                    | 198,252 |
| 1926 | 2,028,779 | 59.5                     | 3,409,713 | 58.1       | 228,832                    | 304,174 |
| 1927 | 2,707,045 | 79.0                     | 3,426,639 | 57.6       | 264,885                    | 337,766 |
| 1928 | 2,761,475 | 77.0                     | 3,586,331 | 59.5       | 247,552                    | 314,783 |
| 1929 | 2,949,878 | 78.5                     | 3,757,806 | 61.7       | 278,548                    | 353,258 |
| 1930 | 2,735,428 | 76.0                     | 3,599,247 | 58.5       | 256,472                    | 305,830 |
| 1931 | 2,625,869 | 81.0                     | 3,241,814 | 52.3       | 236,153                    | 278,705 |
| 1932 | 2,265,741 | 80.0                     | 2,832,176 | 45.4       | 196,443                    | 238,790 |
| 1933 | 2,154,106 | 80.0                     | 2,692,632 | 42.9       | 237,403                    | 364,422 |
| 1934 | 2,485,824 | 80.0                     | 3,107,280 | 49.2       | 323,453                    | 480,287 |
| 1935 | 2,675,744 | 80.0                     | 3,344,680 | 52.6       | 294,494                    | 365,686 |
| 1936 | 2,953,557 | 80.0                     | 3,691,946 | 57.7       | 305,385                    | 378,505 |
| 1937 | 3,059,795 | 80.0                     | 3,824,743 | 59.4       | 613,514                    | 832,535 |
| 1938 | 2,737,815 | 80.0                     | 3,422,269 | 52.7       | 315,027                    | 409,929 |
| 1939 | 2,730,217 | 77.5                     | 3,520,372 | 53.8       | 328,424                    | 423,473 |
| 1940 | 2,855,952 | 76.5                     | 3,751,351 | 56.5       | 356,472                    | 465,733 |
| 1941 | 2,946,660 | 75.0                     | 3,929,773 | 58.9       | 385,296                    | 521,508 |
| 1942 | 2,834,940 | 74.3                     | 3,815,552 | 56.6       | 479,349                    | 645,492 |
| 1943 | 2,720,257 | 75.0                     | 3,627,009 | 53.1       | 366,702                    | 488,205 |
| 1944 | 2,351,096 | 72.5                     | 3,242,891 | 46.9       | 342,280                    | 483,822 |
| 1945 | 2,455,116 | 70.5                     | 3,481,302 | 49.8       | 266,544                    | 375,900 |
| 1946 | 3,136,276 | 73.0                     | 4,296,268 | 60.8       | 292,806                    | 409,867 |
| 1947 | 3,564,678 | 75.0                     | 4,752,904 | 66.0       | 377,033                    | 507,219 |
| 1948 | 4,009,829 | 78.0                     | 5,140,806 | 70.1       | 458,145                    | 619,357 |
| 1949 | 4,257,489 | 77.0                     | 5,529,206 | 74.1       | 445,863                    | 608,807 |
| 1950 | 4,541,760 | 76.5                     | 5,936,941 | 78.3       | 424,960                    | 593,252 |
| 1951 | 4,511,023 | 75.5                     | 5,974,865 | 77.4       | 522,196                    | 715,807 |
| 1952 | 4,551,238 | 76.0                     | 5,988,471 | 76.3       | 611,909                    | 820,649 |
| 1953 | 4,668,602 | 76.0                     | 6,142,986 | 76.9       | 551,769                    | 760,510 |

\* End of Each Year.

† U.S. total consumption is based on consumption reported by the ANPA 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 consumption is obtained by extending ANPA consumption by this percentage. Total consumers' stocks are computed each month by taking stock at the beginning of the month plus supplies received in the month less total consumption in that month.

Source: Newsprint Association of Canada.



Table 52.

## Consumption by Larger Newspapers

|                                          | Tons    |         |
|------------------------------------------|---------|---------|
|                                          | 1952    | 1953    |
| CANADA                                   |         |         |
| Hamilton Spectator .....                 | 8,000   | 8,700   |
| London Free Press .....                  | 7,300   | 7,300   |
| Montreal Star & Herald .....             | 19,400  | 19,500  |
| Ottawa Journal .....                     | 5,000   | 4,600   |
| Toronto Daily Star & Star Weekly .....   | 70,000  | 70,000  |
| Toronto Globe & Mail .....               | 18,900  | 18,000  |
| Toronto Evening Telegram .....           | 20,000  | 25,000  |
| Vancouver Province .....                 | 10,000  | 13,000  |
| Winnipeg Free Press .....                | 13,500  | 14,000  |
| UNITED STATES                            |         |         |
| Boston Post .....                        | 25,000  | 20,000  |
| Buffalo News .....                       | 33,000  | 34,000  |
| Chicago News .....                       | 47,000  | 49,463  |
| Chicago Sun-Times .....                  | 60,000  | 55,134  |
| Chicago Tribune .....                    | 203,000 | 206,000 |
| Cleveland Plain Dealer .....             | 66,000  | 60,000  |
| Des Moines Register & Tribune .....      | 37,000  | 37,000  |
| Detroit Free Press .....                 | 40,000  | 40,000  |
| Detroit News .....                       | 73,500  | 78,000  |
| Houston Chronicle .....                  | 29,000  | 30,000  |
| Los Angeles Times .....                  | 125,000 | 130,000 |
| Louisville Courier-Journal & Times ..... | 43,979  | 51,512  |
| Miami Herald .....                       | 35,000  | 39,500  |
| Milwaukee Journal .....                  | 70,000  | 75,500  |
| New York News .....                      | —       | 255,000 |
| Toledo Blade & Times .....               | 29,350  | 29,000  |
| Wall Street Journal .....                | 4,400   | 5,000   |
| Washington Star .....                    | 38,000  | 41,000  |

Source: Editor &amp; Publisher Annual Mechanical Tabulation.

Table 53.

## North American Newsprint Stocks\*

| Tons       | Manufacturers         |               | Consumers     | TOTAL   |
|------------|-----------------------|---------------|---------------|---------|
|            | Canada & Newfoundland | United States | United States |         |
| 1921 ..... | 72,339                | 23,934        | 269,025       | 365,298 |
| 1922 ..... | 54,272                | 19,208        | 281,107       | 354,587 |
| 1923 ..... | 70,944                | 23,669        | 281,278       | 375,891 |
| 1924 ..... | 72,783                | 23,757        | 255,962       | 352,502 |
| 1925 ..... | 104,184               | 16,238        | 198,252       | 318,674 |
| 1926 ..... | 92,643                | 12,030        | 304,174       | 408,847 |
| 1927 ..... | 102,441               | 20,877        | 337,766       | 461,084 |
| 1928 ..... | 110,368               | 34,469        | 314,783       | 459,620 |
| 1929 ..... | 118,193               | 19,023        | 353,258       | 490,474 |
| 1930 ..... | 160,128               | 32,061        | 305,830       | 498,019 |
| 1931 ..... | 188,727               | 32,709        | 278,705       | 500,141 |
| 1932 ..... | 195,631               | 21,783        | 238,790       | 456,204 |
| 1933 ..... | 154,279               | 19,237        | 364,422       | 537,938 |
| 1934 ..... | 152,235               | 14,125        | 480,287       | 646,647 |
| 1935 ..... | 185,489               | 9,281         | 365,686       | 560,456 |
| 1936 ..... | 129,443               | 14,013        | 378,505       | 521,961 |
| 1937 ..... | 95,521                | 15,105        | 832,535       | 943,161 |
| 1938 ..... | 208,181               | 18,583        | 409,929       | 636,693 |
| 1939 ..... | 258,012               | 12,952        | 423,473       | 694,437 |
| 1940 ..... | 224,139               | 13,455        | 465,733       | 703,327 |
| 1941 ..... | 193,171               | 7,586         | 521,508       | 722,265 |
| 1942 ..... | 158,832               | 9,601         | 645,492       | 813,925 |
| 1943 ..... | 104,558               | 10,992        | 488,205       | 603,755 |
| 1944 ..... | 97,728                | 7,357         | 483,822       | 588,907 |
| 1945 ..... | 136,721               | 6,340         | 375,900       | 518,961 |
| 1946 ..... | 146,524               | 15,218        | 409,867       | 571,609 |
| 1947 ..... | 93,405                | 8,301         | 507,219       | 608,925 |
| 1948 ..... | 109,195               | 8,946         | 619,357       | 737,498 |
| 1949 ..... | 121,190               | 10,814        | 608,807       | 740,811 |
| 1950 ..... | 89,142                | 8,241         | 593,252       | 690,635 |
| 1951 ..... | 101,910               | 7,568         | 715,807       | 825,285 |
| 1952 ..... | 122,512               | 11,726        | 820,649       | 954,887 |
| 1953 ..... | 111,244               | 8,026         | 760,510       | 879,780 |

\* End of each year.

Sources: Newsprint Association of Canada and Newsprint Service Bureau.

Table 54.

## U.S. Newspaper Circulation

| Year       | Million copies; as at Sept. 30 of each year |         |             |        |
|------------|---------------------------------------------|---------|-------------|--------|
|            | Morning                                     | Evening | Total Daily | Sunday |
| 1920 ..... | ...                                         | ...     | 27.8        | 17.1   |
| 1921 ..... | ...                                         | ...     | 28.4        | 19.0   |
| 1922 ..... | ...                                         | ...     | 29.6        | 19.7   |
| 1923 ..... | ...                                         | ...     | 31.4        | 21.5   |
| 1924 ..... | ...                                         | ...     | 33.0        | 22.2   |
| 1925 ..... | ...                                         | ...     | 33.7        | 23.4   |
| 1926 ..... | ...                                         | ...     | 36.0        | 24.4   |
| 1927 ..... | ...                                         | ...     | 38.0        | 25.5   |
| 1928 ..... | ...                                         | ...     | 38.0        | 25.8   |
| 1929 ..... | ...                                         | ...     | 39.4        | 26.9   |
| 1930 ..... | ...                                         | ...     | 39.6        | 26.4   |
| 1931 ..... | ...                                         | ...     | 38.8        | 25.7   |
| 1932 ..... | 13.7                                        | 22.7    | 36.4        | 24.9   |
| 1933 ..... | 13.2                                        | 22.0    | 35.2        | 24.0   |
| 1934 ..... | 13.9                                        | 22.8    | 36.7        | 26.5   |
| 1935 ..... | 14.4                                        | 23.7    | 38.2        | 28.1   |
| 1936 ..... | 15.3                                        | 25.0    | 40.3        | 30.0   |
| 1937 ..... | 15.9                                        | 25.5    | 41.4        | 31.0   |
| 1938 ..... | 15.1                                        | 24.5    | 39.6        | 30.5   |
| 1939 ..... | 15.5                                        | 24.2    | 39.7        | 31.5   |
| 1940 ..... | 16.1                                        | 25.0    | 41.1        | 32.4   |
| 1941 ..... | 16.5                                        | 25.6    | 42.1        | 33.4   |
| 1942 ..... | 17.1                                        | 26.3    | 43.4        | 35.3   |
| 1943 ..... | 17.1                                        | 27.3    | 44.4        | 37.3   |
| 1944 ..... | 18.1                                        | 27.9    | 46.0        | 37.9   |
| 1945 ..... | 19.2                                        | 29.1    | 48.4        | 39.9   |
| 1946 ..... | 20.5                                        | 30.4    | 50.9        | 43.7   |
| 1947 ..... | 20.8                                        | 30.9    | 51.7        | 45.1   |
| 1948 ..... | 21.1                                        | 31.2    | 52.3        | 46.3   |
| 1949 ..... | 21.0                                        | 31.8    | 52.8        | 46.4   |
| 1950 ..... | 21.3                                        | 32.5    | 53.8        | 46.6   |
| 1951 ..... | 21.2                                        | 32.8    | 54.0        | 46.3   |
| 1952 ..... | 21.2                                        | 32.8    | 54.0        | 46.2   |
| 1953 ..... | 21.4                                        | 33.1    | 54.5        | 45.9   |

Source: Editor &amp; Publisher International Year Book.

Table 55.

## U.S. Newspaper Milline Rates

| Year       | Rate per agate line of advertising per million of circulation as at December 31st of each year |         |        |  |
|------------|------------------------------------------------------------------------------------------------|---------|--------|--|
|            | Morning                                                                                        | Evening | Sunday |  |
| 1923 ..... | \$2.70                                                                                         | \$3.33  | \$2.27 |  |
| 1924 ..... | 2.71                                                                                           | 3.32    | 2.29   |  |
| 1925 ..... | 2.66                                                                                           | 3.39    | 2.32   |  |
| 1926 ..... | 2.57                                                                                           | 3.35    | 2.33   |  |
| 1927 ..... | 2.52                                                                                           | 3.29    | 2.29   |  |
| 1928 ..... | 2.52                                                                                           | 3.40    | 2.30   |  |
| 1929 ..... | 2.55                                                                                           | 3.38    | 2.33   |  |
| 1930 ..... | 2.52                                                                                           | 3.45    | 2.36   |  |
| 1931 ..... | 2.57                                                                                           | 3.54    | 2.39   |  |
| 1932 ..... | 2.57                                                                                           | 3.72    | 2.46   |  |
| 1933 ..... | 2.66                                                                                           | 3.87    | 2.51   |  |
| 1934 ..... | 2.58                                                                                           | 3.75    | 2.26   |  |
| 1935 ..... | 2.58                                                                                           | 3.71    | 2.12   |  |
| 1936 ..... | 2.58                                                                                           | 3.72    | 2.16   |  |
| 1937 ..... | 2.50                                                                                           | 3.65    | 2.15   |  |
| 1938 ..... | 2.57                                                                                           | 3.73    | 2.13   |  |
| 1939 ..... | 2.45                                                                                           | 3.72    | 2.15   |  |
| 1940 ..... | 2.37                                                                                           | 3.59    | 2.11   |  |
| 1941 ..... | 2.31                                                                                           | 3.55    | 2.07   |  |
| 1942 ..... | 2.23                                                                                           | 3.48    | 1.99   |  |
| 1943 ..... | 2.25                                                                                           | 3.45    | 1.89   |  |
| 1944 ..... | 2.29                                                                                           | 3.16    | 2.01   |  |
| 1945 ..... | 2.24                                                                                           | 3.24    | 2.02   |  |
| 1946 ..... | 2.28                                                                                           | 3.38    | 2.02   |  |
| 1947 ..... | 2.39                                                                                           | 3.59    | 2.13   |  |
| 1948 ..... | 2.49                                                                                           | 3.68    | 2.22   |  |
| 1949 ..... | 2.56                                                                                           | 3.66    | 2.27   |  |
| 1950 ..... | 2.65                                                                                           | 3.83    | 2.41   |  |
| 1951 ..... | 2.80                                                                                           | 4.06    | 2.54   |  |
| 1952 ..... | 2.97                                                                                           | 4.23    | 2.68   |  |
| 1953 ..... | 3.01                                                                                           | 4.29    | 2.75   |  |

Source: Editor &amp; Publisher International Year Book.



Table 56.

## Indexes of U.S. Advertising

| Monthly average, 1935-9=100 |           |            |       |         |           |
|-----------------------------|-----------|------------|-------|---------|-----------|
| Year                        | Magazines | Newspapers | Radio | Outdoor | *Combined |
| 1935                        | 81        | 95         | 69    | 78      | 83        |
| 1936                        | 95        | 107        | 89    | 96      | 99        |
| 1937                        | 114       | 108        | 107   | 110     | 110       |
| 1938                        | 101       | 94         | 112   | 107     | 101       |
| 1939                        | 108       | 96         | 123   | 109     | 107       |
| 1940                        | 119       | 102        | 144   | 112     | 118       |
| 1941                        | 128       | 103        | 162   | 124     | 127       |
| 1942                        | 125       | 90         | 179   | 103     | 121       |
| 1943                        | 163       | 114        | 213   | 99      | 152       |
| 1944                        | 193       | 123        | 265   | 131     | 180       |
| 1945                        | 217       | 132        | 289   | 168     | 198       |
| 1946                        | 271       | 155        | 299   | 202     | 230       |
| 1947                        | 315       | 210        | 296   | 264     | 268       |
| 1948                        | 327       | 246        | 309   | 299     | 290       |
| 1949                        | 314       | 284        | 292   | 296     | 299       |
| 1950                        | 330       | 318        | 284   | 322     | 337       |
| 1951                        | 361       | 312        | 271   | 338     | 405       |
| 1952                        | 388       | 315        | 250   | 367     | 453       |
| 1953                        | 420       | 357        | 249   | 399     | 511       |

Source: Printers' Ink; based on dollar expenditures.

\* Including business papers and television since January and February 1949.

Table 57.

## U.S. Newspaper Pages Printed

| Annual Averages |         |         |                |         |         |
|-----------------|---------|---------|----------------|---------|---------|
| Year            | Dailies | Sundays | Year           | Dailies | Sundays |
| 1920 . . . . .  | 23      | 79      | 1937 . . . . . | 28      | 87      |
| 1921 . . . . .  | 23      | 80      | 1938 . . . . . | 26      | 81      |
| 1922 . . . . .  | 25      | 89      | 1939 . . . . . | 27      | 82      |
| 1923 . . . . .  | 27      | 97      | 1940 . . . . . | 27      | 86      |
| 1924 . . . . .  | 28      | 103     | 1941 . . . . . | 27      | 88      |
| 1925 . . . . .  | 29      | 109     | 1942 . . . . . | 26      | 82      |
| 1926 . . . . .  | 30      | 111     | 1943 . . . . . | 26      | 78      |
| 1927 . . . . .  | 30      | 107     | 1944 . . . . . | 23      | 68      |
| 1928 . . . . .  | 30      | 104     | 1945 . . . . . | 22      | 70      |
| 1929 . . . . .  | 32      | 104     | 1946 . . . . . | 27      | 84      |
| 1930 . . . . .  | 29      | 91      | 1947 . . . . . | 29      | 94      |
| 1931 . . . . .  | 27      | 82      | 1948 . . . . . | 32      | 102     |
| 1932 . . . . .  | 24      | 72      | 1949 . . . . . | 34      | 107     |
| 1933 . . . . .  | 24      | 70      | 1950 . . . . . | 36      | 112     |
| 1934 . . . . .  | 26      | 78      | 1951 . . . . . | 36      | 113     |
| 1935 . . . . .  | 26      | 82      | 1952 . . . . . | 36      | 116     |
| 1936 . . . . .  | 28      | 85      | 1953 . . . . . | 37      | 121     |

Source: Newsprint Service Bureau Bulletins.

Table 58.

U.S. Advertising Expenditures (All Media)  
and National Income

| Millions of Dollars |                         |                 |                               |
|---------------------|-------------------------|-----------------|-------------------------------|
| Year                | Advertising Expenditure | National Income | Percent Advertising to Income |
| 1935                | 1,690.0                 | 56,800          | 2.97                          |
| 1936                | 1,902.4                 | 64,700          | 2.94                          |
| 1937                | 2,071.7                 | 73,600          | 2.81                          |
| 1938                | 1,904.0                 | 67,400          | 2.82                          |
| 1939                | 1,980.4                 | 72,500          | 2.73                          |
| 1940                | 2,087.6                 | 81,300          | 2.57                          |
| 1941                | 2,235.7                 | 103,800         | 2.15                          |
| 1942                | 2,156.1                 | 137,100         | 1.57                          |
| 1943                | 2,496.4                 | 169,700         | 1.47                          |
| 1944                | 2,723.6                 | 183,800         | 1.48                          |
| 1945                | 2,874.5                 | 182,700         | 1.57                          |
| 1946                | 3,364.2                 | 180,300         | 1.87                          |
| 1947                | 4,259.7                 | 198,700         | 2.14                          |
| 1948                | 4,863.6                 | 223,500         | 2.18                          |
| 1949                | 5,202.2                 | 216,300         | 2.41                          |
| 1950                | 5,710.0                 | 240,600         | 2.37                          |
| 1951                | 6,496.5                 | 278,400         | 2.33                          |
| 1952                | 7,149.7                 | 291,600         | 2.45                          |
| 1953 est.           | 7,803.2                 | 307,700         | 2.54                          |

Source: Printers' Ink; U.S. Department of Commerce.

Table 59.

U.S. Newspaper Advertising and  
Total Advertising Expenditures

| Millions of Dollars |                       |                   |                            |
|---------------------|-----------------------|-------------------|----------------------------|
| Year                | Newspaper Advertising | Total Advertising | Newspaper Percent of Total |
| 1935                | 762.1                 | 1690.0            | 45.1                       |
| 1936                | 843.5                 | 1902.4            | 44.3                       |
| 1937                | 872.6                 | 2071.7            | 42.1                       |
| 1938                | 782.4                 | 1904.0            | 41.1                       |
| 1939                | 793.0                 | 1980.4            | 40.0                       |
| 1940                | 815.4                 | 2087.6            | 39.1                       |
| 1941                | 844.4                 | 2235.7            | 37.8                       |
| 1942                | 797.5                 | 2156.1            | 37.0                       |
| 1943                | 899.9                 | 2496.4            | 36.0                       |
| 1944                | 888.0                 | 2723.6            | 32.6                       |
| 1945                | 921.4                 | 2874.5            | 32.1                       |
| 1946                | 1158.3                | 3364.2            | 34.4                       |
| 1947                | 1475.0                | 4259.7            | 34.6                       |
| 1948                | 1749.6                | 4863.6            | 36.0                       |
| 1949                | 1905.0                | 5202.2            | 36.6                       |
| 1950                | 2075.6                | 5710.0            | 36.3                       |
| 1951                | 2257.7                | 6426.1            | 35.1                       |
| 1952                | 2472.8                | 7149.7            | 34.6                       |
| 1953 est.           | 2655.5                | 7803.2            | 34.0                       |

Source: Printers' Ink.

Table 60.

## U.S. Newspaper, Magazine, Radio, and TV Advertising

|      | Newspapers<br>Million Lines | Magazines<br>Thousand<br>Lines | Radio<br>Thousand<br>Dollars | National TV<br>Thousand<br>Dollars |
|------|-----------------------------|--------------------------------|------------------------------|------------------------------------|
| 1928 | 1802                        | 36,384                         | 10,248                       | .....                              |
| 1929 | 1897                        | 40,608                         | 18,732                       | .....                              |
| 1930 | 1654                        | 35,808                         | 26,820                       | .....                              |
| 1931 | 1465                        | 28,908                         | 35,784                       | .....                              |
| 1932 | 1165                        | 21,162                         | 39,107                       | .....                              |
| 1933 | 1065                        | 18,666                         | 31,516                       | .....                              |
| 1934 | 1179                        | 24,325                         | 42,648                       | .....                              |
| 1935 | 1247                        | 25,380                         | 49,284                       | .....                              |
| 1936 | 1380                        | 28,534                         | 59,356                       | .....                              |
| 1937 | 1410                        | 32,049                         | 69,249                       | .....                              |
| 1938 | 1225                        | 25,439                         | 71,728                       | .....                              |
| 1939 | 1244                        | 25,616                         | 83,115                       | .....                              |
| 1940 | 1269                        | 26,851                         | 96,468                       | .....                              |
| 1941 | 1313                        | 27,667                         | 106,141                      | .....                              |
| 1942 | 1242                        | 25,729                         | 115,405                      | .....                              |
| 1943 | 1396                        | 33,116                         | 152,644                      | .....                              |
| 1944 | 1361                        | 42,297                         | 190,665                      | .....                              |
| 1945 | 1392                        | 49,035                         | 190,746                      | .....                              |
| 1946 | 1730                        | 54,755                         | 193,008                      | .....                              |
| 1947 | 2009                        | 50,794                         | 190,930                      | .....                              |
| 1948 | 2263                        | 47,844                         | 198,993                      | .....                              |
| 1949 | 2302                        | 43,817                         | 187,800                      | 12,294                             |
| 1950 | 2440                        | 45,845                         | 183,520                      | 40,613                             |
| 1951 | 2478                        | 48,076                         | 174,719                      | 127,990                            |
| 1952 | 2505                        | 48,331                         | 163,454                      | 180,795                            |
| 1953 | 2611                        | 50,517                         | 160,535                      | 227,586                            |

Sources: Newspapers: Media Records 52 Cities. Magazines: Printers' Ink. Radio and TV: Publishers Information Bureau.

Table 61. Value of Canadian Newsprint and  
Total Pulp and Paper Production

| Millions of Dollars |                      |                  |                            |
|---------------------|----------------------|------------------|----------------------------|
| Year                | Newsprint Production | Total Production | Newsprint Percent of Total |
| 1928                | 144.1                | 233.1            | 61.8                       |
| 1929                | 150.8                | 244.0            | 61.8                       |
| 1930                | 136.2                | 216.0            | 63.1                       |
| 1931                | 111.4                | 174.7            | 63.8                       |
| 1932                | 85.5                 | 135.6            | 63.1                       |
| 1933                | 67.0                 | 123.4            | 54.3                       |
| 1934                | 86.8                 | 152.6            | 56.9                       |
| 1935                | 91.8                 | 159.3            | 57.6                       |
| 1936                | 105.2                | 183.6            | 57.3                       |
| 1937                | 126.4                | 226.2            | 55.9                       |
| 1938                | 107.1                | 183.9            | 58.2                       |
| 1939                | 120.9                | 208.2            | 58.1                       |
| 1940                | 158.4                | 298.0            | 53.2                       |
| 1941                | 158.9                | 334.7            | 47.5                       |
| 1942                | 147.1                | 336.7            | 43.7                       |
| 1943                | 153.0                | 344.4            | 44.4                       |
| 1944                | 165.7                | 369.8            | 44.8                       |
| 1945                | 189.0                | 398.8            | 47.4                       |
| 1946                | 280.8                | 527.8            | 53.2                       |
| 1947                | 355.5                | 707.0            | 50.3                       |
| 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                       |

Figures for 1928-1948 do not include Newfoundland.  
Source: Dominion Bureau of Statistics.



Table 62.

## U.S. Prices and Price Indexes

|                | Canadian<br>Newsprint<br>U.S. Dollars | Newsprint<br>Index<br>1926 = 100 | U.S. Dollars<br>in Canada |
|----------------|---------------------------------------|----------------------------------|---------------------------|
| 1914 . . . . . | \$ 43.60                              | 62.3                             | .9992                     |
| 1915 . . . . . | 41.78                                 | 59.7                             | 1.0040                    |
| 1916 . . . . . | 51.78                                 | 74.0                             | 1.0024                    |
| 1917 . . . . . | 63.78                                 | 91.1                             | 1.0019                    |
| 1918 . . . . . | 64.30                                 | 91.9                             | 1.0166                    |
| 1919 . . . . . | 79.40                                 | 113.4                            | 1.0046                    |
| 1920 . . . . . | 112.60                                | 160.9                            | 1.1201                    |
| 1921 . . . . . | 111.35                                | 159.1                            | 1.1168                    |
| 1922 . . . . . | 76.80                                 | 109.7                            | 1.0154                    |
| 1923 . . . . . | 81.80                                 | 116.9                            | 1.0200                    |
| 1924 . . . . . | 79.30                                 | 113.3                            | 1.0129                    |
| 1925 . . . . . | 76.80                                 | 109.7                            | 1.0004                    |
| 1926 . . . . . | 70.00                                 | 100.0                            | 1.0001                    |
| 1927 . . . . . | 70.00                                 | 100.0                            | 1.0003                    |
| 1928 . . . . . | 67.50                                 | 96.4                             | 1.0009                    |
| 1929 . . . . . | 62.00                                 | 88.6                             | 1.0076                    |
| 1930 . . . . . | 62.00                                 | 88.6                             | 1.0016                    |
| 1931 . . . . . | 57.00                                 | 81.4                             | 1.0381                    |
| 1932 . . . . . | 48.33                                 | 69.0                             | 1.1352                    |
| 1933 . . . . . | 41.25                                 | 58.9                             | 1.0874                    |
| 1934 . . . . . | 40.00                                 | 57.1                             | .9900                     |
| 1935 . . . . . | 40.00                                 | 57.1                             | 1.0051                    |
| 1936 . . . . . | 41.00                                 | 58.6                             | 1.0006                    |
| 1937 . . . . . | 42.50                                 | 60.7                             | .9999                     |
| 1938 . . . . . | 50.00                                 | 71.4                             | 1.0056                    |
| 1939 . . . . . | 50.00                                 | 71.4                             | 1.0370                    |
| 1940 . . . . . | 50.00                                 | 71.4                             | 1.1050                    |
| 1941 . . . . . | 50.00                                 | 71.4                             | 1.1050                    |
| 1942 . . . . . | 50.00                                 | 71.4                             | 1.1050                    |
| 1943 . . . . . | 54.66                                 | 78.1                             | 1.1050                    |
| 1944 . . . . . | 58.00                                 | 82.9                             | 1.1050                    |
| 1945 . . . . . | 60.25                                 | 86.1                             | 1.1045                    |
| 1946 . . . . . | 72.25                                 | 103.2                            | 1.0575                    |
| 1947 . . . . . | 88.50                                 | 126.4                            | 1.0025                    |
| 1948 . . . . . | 97.67                                 | 139.5                            | 1.0025                    |
| 1949 . . . . . | 100.00                                | 142.9                            | 1.0308                    |
| 1950 . . . . . | 101.00                                | 144.3                            | 1.0892                    |
| 1951 . . . . . | 111.00                                | 158.6                            | 1.0528                    |
| 1952 . . . . . | 121.00                                | 172.9                            | .9789                     |
| 1953 . . . . . | 126.00                                | 180.0                            | .9834                     |

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

Table 63.

## Newsprint and Total Canadian Exports to United States

| Year           | Millions of Dollars          |                          | Percent Newsprint<br>of Total |
|----------------|------------------------------|--------------------------|-------------------------------|
|                | Newsprint<br>Exports to U.S. | Total<br>Exports to U.S. |                               |
| 1910 . . . . . | 1.2                          | 104.2                    | 1.2                           |
| 1912 . . . . . | 2.0                          | 102.0                    | 2.0                           |
| 1914 . . . . . | 9.8                          | 163.4                    | 6.0                           |
| 1916 . . . . . | 15.8                         | 201.1                    | 7.9                           |
| 1918 . . . . . | 30.7                         | 417.2                    | 7.4                           |
| 1919 . . . . . | 36.0                         | 455.0                    | 7.9                           |
| 1920 . . . . . | 46.8                         | 464.0                    | 10.0                          |
| 1921 . . . . . | 68.8                         | 566.7                    | 12.1                          |
| 1922 . . . . . | 59.9                         | 310.7                    | 19.3                          |
| 1923 . . . . . | 67.7                         | 370.8                    | 18.3                          |
| 1924 . . . . . | 87.3                         | 443.2                    | 19.7                          |
| 1925 . . . . . | 89.1                         | 420.4                    | 21.2                          |
| 1926 . . . . . | 106.8                        | 465.2                    | 22.9                          |
| 1927 . . . . . | 114.0                        | 474.6                    | 24.0                          |
| 1928 . . . . . | 123.5                        | 492.5                    | 25.1                          |
| 1929 . . . . . | 129.0                        | 522.6                    | 24.7                          |
| 1930 . . . . . | 115.3                        | 395.7                    | 29.1                          |
| 1931 . . . . . | 94.4                         | 257.1                    | 36.7                          |
| 1932 . . . . . | 72.0                         | 162.6                    | 44.3                          |
| 1933 . . . . . | 58.3                         | 187.9                    | 31.0                          |
| 1934 . . . . . | 68.1                         | 301.2                    | 22.6                          |
| 1935 . . . . . | 71.0                         | 358.6                    | 19.8                          |
| 1936 . . . . . | 83.5                         | 406.7                    | 20.5                          |
| 1937 . . . . . | 105.9                        | 470.2                    | 22.5                          |
| 1938 . . . . . | 85.6                         | 270.5                    | 31.6                          |
| 1939 . . . . . | 97.8                         | 380.4                    | 25.7                          |
| 1940 . . . . . | 120.6                        | 443.0                    | 27.2                          |
| 1941 . . . . . | 130.9                        | 599.7                    | 21.8                          |
| 1942 . . . . . | 132.4                        | 885.5                    | 15.0                          |
| 1943 . . . . . | 131.4                        | 1,149.2                  | 11.4                          |
| 1944 . . . . . | 135.2                        | 1,301.3                  | 10.4                          |
| 1945 . . . . . | 148.4                        | 1,197.0                  | 12.4                          |
| 1946 . . . . . | 225.6                        | 887.9                    | 25.4                          |
| 1947 . . . . . | 293.5                        | 1,034.2                  | 28.4                          |
| 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 . . . . . | 500.5                        | 2,297.7                  | 21.8                          |
| 1952 . . . . . | 534.4                        | 2,307.0                  | 23.2                          |
| 1953 . . . . . | 564.5                        | 2,418.9                  | 23.3                          |

For the period 1910 to 1925 inclusive figures relate to fiscal years.  
Figures for 1928-1948 do not include Newfoundland.  
Source: Dominion Bureau of Statistics.

## "E" — OTHER PAPER AND PAPERBOARD

All figures after 1948 include Newfoundland

Table 64. Production — Tonnage  
All grades except newsprint

|                | Paper-<br>board (a) | Wrapping | Book and<br>Writing | Tissue | All<br>Other |
|----------------|---------------------|----------|---------------------|--------|--------------|
| 1920 . . . . . | 158,041             | 77,292   | 73,196              | 3,607  | 27,119       |
| 1921 . . . . . | 89,120              | 52,898   | 53,530              | 3,879  | 14,406       |
| 1922 . . . . . | 113,200             | 81,793   | 64,808              | 5,758  | 19,892       |
| 1923 . . . . . | 130,582             | 84,912   | 76,789              | 4,980  | 40,499       |
| 1924 . . . . . | 135,252             | 89,441   | 67,934              | 5,716  | 32,317       |
| 1925 . . . . . | 144,646             | 91,417   | 74,724              | 7,200  | 30,195       |
| 1926 . . . . . | 155,469             | 97,057   | 80,405              | 7,401  | 36,605       |
| 1927 . . . . . | 161,497             | 102,707  | 75,072              | 8,849  | 37,736       |
| 1928 . . . . . | 193,061             | 111,667  | 79,138              | 10,896 | 40,044       |
| 1929 . . . . . | 250,061             | 91,374   | 73,502              | 9,796  | 47,085       |
| 1930 . . . . . | 233,217             | 78,320   | 69,468              | 11,245 | 36,585       |
| 1931 . . . . . | 202,854             | 77,194   | 59,580              | 11,560 | 32,985       |
| 1932 . . . . . | 209,938             | 69,018   | 56,781              | 12,187 | 23,658       |
| 1933 . . . . . | 232,190             | 67,780   | 60,683              | 12,331 | 24,471       |
| 1934 . . . . . | 280,724             | 79,779   | 64,991              | 10,258 | 28,791       |
| 1935 . . . . . | 314,849             | 82,517   | 70,350              | 18,107 | 29,629       |
| 1936 . . . . . | 363,778             | 95,916   | 74,940              | 18,661 | 28,029       |
| 1937 . . . . . | 422,710             | 108,734  | 84,168              | 23,747 | 32,116       |
| 1938 . . . . . | 356,891             | 90,879   | 73,834              | 25,922 | 32,919       |
| 1939 . . . . . | 413,687             | 109,907  | 90,135              | 29,706 | 30,470       |
| 1940 . . . . . | 500,094             | 139,716  | 102,696             | 34,054 | 39,053       |
| 1941 . . . . . | 649,840             | 162,581  | 117,444             | 35,725 | 39,453       |
| 1942 . . . . . | 609,175             | 165,991  | 121,419             | 38,322 | 39,680       |
| 1943 . . . . . | 568,101             | 145,545  | 122,174             | 43,247 | 40,835       |
| 1944 . . . . . | 588,348             | 156,721  | 155,498             | 46,532 | 57,494       |
| 1945 . . . . . | 595,131             | 162,175  | 162,198             | 50,418 | 65,621       |
| 1946 . . . . . | 683,643             | 175,369  | 189,318             | 56,717 | 79,913       |
| 1947 . . . . . | 744,377             | 188,742  | 210,762             | 67,506 | 89,431       |
| 1948 . . . . . | 817,432             | 207,128  | 231,608             | 69,686 | 97,456       |
| 1949 . . . . . | 797,023             | 195,585  | 199,317             | 68,340 | 92,498       |
| 1950 . . . . . | 876,894             | 222,840  | 214,097             | 76,742 | 102,474      |
| 1951 . . . . . | 960,493             | 257,332  | 253,081             | 89,583 | 103,667      |
| 1952 . . . . . | 870,204             | 222,529  | 229,061             | 79,974 | 93,002       |
| 1953 . . . . . | 739,377e†           | 238,147e | 250,332e            | n.a.   | n.a.         |

(a) Includes rigid insulating and other wall board; sheathing; bristol and index; all other boards.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

† This figure does not include grades listed in footnote (a).

Source: Dominion Bureau of Statistics.

Table 65. Production — Value  
All grades except newsprint

|                | Paperboard<br>(a) | Wrapping     | Book and<br>Writing | Tissue      | All Other   |
|----------------|-------------------|--------------|---------------------|-------------|-------------|
| 1920 . . . . . | \$12,904,662      | \$12,161,303 | \$21,868,807        | \$1,155,324 | \$3,067,400 |
| 1921 . . . . . | 6,225,948         | 6,634,211    | 12,550,520          | 1,232,398   | 1,126,260   |
| 1922 . . . . . | 7,000,081         | 8,219,841    | 12,560,504          | 1,154,772   | 1,353,553   |
| 1923 . . . . . | 8,480,233         | 7,666,174    | 15,582,135          | 991,880     | 3,250,608   |
| 1924 . . . . . | 8,228,760         | 8,027,918    | 12,605,623          | 1,024,967   | 3,155,326   |
| 1925 . . . . . | 8,378,621         | 8,130,102    | 13,145,407          | 1,385,089   | 2,852,815   |
| 1926 . . . . . | 8,825,804         | 8,552,400    | 14,765,725          | 1,468,004   | 3,505,348   |
| 1927 . . . . . | 8,985,788         | 9,607,828    | 12,916,469          | 1,646,487   | 2,787,439   |
| 1928 . . . . . | 10,656,200        | 10,424,217   | 14,008,406          | 2,047,206   | 3,022,744   |
| 1929 . . . . . | 13,539,645        | 9,725,876    | 13,636,562          | 1,845,395   | 3,441,617   |
| 1930 . . . . . | 12,193,829        | 7,880,224    | 12,261,659          | 2,035,325   | 2,752,954   |
| 1931 . . . . . | 10,225,732        | 7,479,993    | 10,154,171          | 1,990,925   | 2,359,431   |
| 1932 . . . . . | 9,621,041         | 6,289,293    | 8,687,895           | 1,961,468   | 1,773,574   |
| 1933 . . . . . | 10,598,439        | 6,441,695    | 8,927,408           | 2,168,497   | 1,594,335   |
| 1934 . . . . . | 13,351,475        | 7,740,823    | 9,681,536           | 1,654,534   | 1,652,397   |
| 1935 . . . . . | 15,051,893        | 7,956,783    | 10,440,789          | 2,031,221   | 1,835,499   |
| 1936 . . . . . | 17,531,451        | 8,761,356    | 10,866,346          | 2,085,489   | 1,895,491   |
| 1937 . . . . . | 21,719,730        | 10,237,823   | 12,620,507          | 2,734,307   | 2,148,753   |
| 1938 . . . . . | 19,288,172        | 9,069,298    | 11,098,901          | 2,961,482   | 2,181,010   |
| 1939 . . . . . | 21,359,828        | 10,712,394   | 12,773,781          | 3,060,456   | 2,011,020   |
| 1940 . . . . . | 31,078,759        | 14,457,299   | 15,518,667          | 3,709,952   | 2,624,821   |
| 1941 . . . . . | 40,214,658        | 16,744,806   | 18,476,397          | 4,199,139   | 2,889,982   |
| 1942 . . . . . | 38,641,867        | 17,221,769   | 19,181,665          | 5,036,489   | 3,113,613   |
| 1943 . . . . . | 37,528,237        | 15,614,453   | 19,047,039          | 5,637,142   | 3,246,393   |
| 1944 . . . . . | 39,091,667        | 16,699,663   | 23,700,310          | 6,391,770   | 4,007,266   |
| 1945 . . . . . | 40,100,872        | 17,558,552   | 24,468,409          | 7,065,732   | 4,620,313   |
| 1946 . . . . . | 50,213,833        | 20,797,070   | 29,995,156          | 9,015,540   | 6,123,181   |
| 1947 . . . . . | 66,126,302        | 26,009,996   | 39,727,187          | 12,179,656  | 7,517,467   |
| 1948 . . . . . | 80,864,700        | 31,036,805   | 45,178,968          | 13,927,917  | 9,238,734   |
| 1949 . . . . . | 80,632,075        | 30,033,478   | 40,598,820          | 13,950,007  | 8,269,115   |
| 1950 . . . . . | 92,531,711        | 37,776,291   | 47,356,410          | 15,885,792  | 9,635,415   |
| 1951 . . . . . | 113,469,950       | 49,664,005   | 63,790,259          | 21,574,730  | 11,169,512  |
| 1952 . . . . . | 105,885,607       | 45,356,720   | 57,644,636          | 18,620,728  | 10,081,457  |

(a) Includes rigid insulating and other wall board; sheathing; bristol and index; all other boards.

Source: Dominion Bureau of Statistics.



Table 66.  
Production of Building Boards and Building Papers

|                | Building Boards (a) |            | Building Papers (b) |           |
|----------------|---------------------|------------|---------------------|-----------|
|                | Tons                | \$         | Tons                | \$        |
| 1921 . . . . . | 23,542              | 1,437,740  | 14,406              | 1,126,260 |
| 1922 . . . . . | 31,176              | 1,580,496  | 19,892              | 1,353,553 |
| 1923 . . . . . | 46,401              | 2,601,533  | 32,797              | 2,315,688 |
| 1924 . . . . . | 49,577              | 2,787,633  | 25,178              | 2,102,292 |
| 1925 . . . . . | 42,599              | 2,213,490  | 23,800              | 2,051,873 |
| 1926 . . . . . | 45,694              | 2,378,861  | 28,049              | 2,094,073 |
| 1927 . . . . . | 43,331              | 2,269,956  | 33,817              | 2,151,413 |
| 1928 . . . . . | 46,569              | 2,406,554  | 34,040              | 2,265,404 |
| 1929 . . . . . | 53,829              | 2,687,387  | 32,560              | 2,016,057 |
| 1930 . . . . . | 48,718              | 2,723,436  | 26,746              | 1,588,228 |
| 1931 . . . . . | 43,328              | 2,345,093  | 28,946              | 1,519,020 |
| 1932 . . . . . | 28,035              | 1,410,426  | 16,095              | 807,762   |
| 1933 . . . . . | 23,050              | 1,131,872  | 15,227              | 775,785   |
| 1934 . . . . . | 28,920              | 1,391,812  | 22,467              | 1,104,172 |
| 1935 . . . . . | 34,424              | 1,620,583  | 21,752              | 1,159,249 |
| 1936 . . . . . | 44,838              | 2,114,207  | 23,403              | 1,284,168 |
| 1937 . . . . . | 51,934              | 2,567,715  | 26,962              | 1,400,496 |
| 1938 . . . . . | 46,203              | 2,359,366  | 25,659              | 1,309,290 |
| 1939 . . . . . | 56,649              | 2,862,506  | 29,970              | 1,497,603 |
| 1940 . . . . . | 83,356              | 5,086,688  | 35,720              | 1,913,899 |
| 1941 . . . . . | 108,585             | 6,767,709  | 42,018              | 2,375,261 |
| 1942 . . . . . | 109,961             | 6,750,198  | 43,472              | 2,523,060 |
| 1943 . . . . . | 116,834             | 7,845,612  | 44,637              | 2,610,790 |
| 1944 . . . . . | 111,554             | 7,682,631  | 50,879              | 3,017,412 |
| 1945 . . . . . | 119,391             | 8,440,191  | 58,199              | 3,459,384 |
| 1946 . . . . . | 138,425             | 10,459,532 | 71,081              | 4,684,693 |
| 1947 . . . . . | 164,374             | 14,039,205 | 79,858              | 5,703,911 |
| 1948 . . . . . | 194,067             | 18,255,528 | 88,454              | 7,368,976 |
| 1949 . . . . . | 182,631             | 16,703,056 | 83,471              | 6,320,791 |
| 1950 . . . . . | 177,769             | 16,518,747 | 92,414              | 7,228,146 |
| 1951 . . . . . | 218,554             | 21,663,558 | 91,527              | 7,889,667 |
| 1952 . . . . . | 200,011             | 21,040,985 | 81,666              | 6,871,543 |

(a) Includes woodpulp board used in paper converting plants to produce laminated wallboards.

(b) Figures for years prior to 1936 include some saturated felts and sheathings.

Source: Dominion Bureau of Statistics.

Table 67.

Exports of Paper (Except Newsprint) — Volume

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 in the succeeding table.

Moreover, because they are compiled on a somewhat different basis, the two tables which follow are not comparable to the production figures in tables 64 and 65.

Also, some of the exports go through a converting plant before shipment. Thus, many of the exports have a value enhanced by the conversion or packaging process, whereas the production figures show the valuation at the basis rate.

Again, the tonnage figures for certain paper products exported are not available. The dollar figures covering these exports will be found in the succeeding table under the heading "Paper Products".

| Tons                                  | 1953    | 1952    | 1951    | 1950    | 1949    | 1948    | 1947    | 1946    | 1945    |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Wrapping — Coated . . . . .           | 149     | 944     | 1,266   | 292     | 1,469   | 3,095   | 2,659   | 2,259   | .....   |
| Wrapping — Kraft — n.o.p. . . . .     | 10,227  | 10,622  | 12,366  | 7,535   | 8,530   | 11,215  | 12,960  | 14,270  | 22,113  |
| Wrapping — n.o.p. . . . .             | 788     | 2,369   | 3,019   | 1,903   | 3,423   | 7,283   | 5,674   | 5,924   | 6,983   |
| Book . . . . .                        | 28,401  | 28,772  | 27,438  | 17,261  | 13,438  | 36,882  | 37,291  | 24,676  | 17,124  |
| Bond & Writing . . . . .              | 7,077   | 10,130  | 7,347   | 2,149   | 3,347   | 5,036   | 9,655   | 6,175   | 4,184   |
| Paperboard — n.o.p. . . . .           | 34,104  | 51,605  | 69,259  | 49,453  | 56,557  | 90,443  | 62,444  | 59,799  | 64,643  |
| Roofing & Building Paper . . . . .    | 3,811   | 1,755   | 6,662   | 2,420   | 1,785   | 5,341   | 11,018  | 4,146   | 3,366   |
| Building & Insulating Board . . . . . | 18,752  | 19,328  | 21,738  | 7,021   | 11,968  | 15,852  | 20,209  | 14,294  | 17,914  |
| Waste Paper — n.o.p. . . . .          | 30,890  | 21,693  | 27,081  | 28,971  | 17,356  | 15,185  | 10,451  | 10,421  | 11,260  |
| Pulpboard for Wallboards . . . . .    | 17,812  | 20,933  | 23,068  | 25,553  | 22,991  | 29,164  | 31,636  | 27,610  | 29,625  |
| Tissue Paper . . . . .                | 1,279   | 924     | 418     | 60      | 52      | 794     | 1,682   | 328     | 377     |
| Toilet Paper . . . . .                | 759     | 2,699   | 3,487   | 2,551   | 3,562   | 5,716   | 3,339   | 1,878   | 2,980   |
|                                       | 154,049 | 171,774 | 203,149 | 145,169 | 144,478 | 226,006 | 209,018 | 171,780 | 180,569 |

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.



Table 68.

## Exports of Paper (Except Newsprint) — Value

(See note accompanying the preceding table)

| Paper                                 | 1953         | 1952         | 1951         | 1950         | 1949         | 1948         | 1947         | 1946         | 1945         |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wrapping — Coated . . . . .           | \$ 56,641    | \$ 308,135   | \$ 485,843   | \$ 78,637    | \$ 361,797   | \$ 719,362   | \$ 621,087   | \$ 428,117   | .....        |
| Wrapping — Kraft — n.o.p. . . . .     | 1,670,077    | 2,232,134    | 2,665,974    | 1,159,631    | 1,393,184    | 1,793,314    | 1,853,880    | 1,720,167    | \$ 2,555,522 |
| Wrapping — n.o.p. . . . .             | 149,558      | 636,867      | 577,155      | 276,891      | 555,329      | 1,097,622    | 920,379      | 941,112      | 1,215,050    |
| Book . . . . .                        | 4,872,808    | 5,343,040    | 5,283,533    | 2,755,746    | 2,165,837    | 5,840,550    | 6,068,943    | 3,580,946    | 3,062,502    |
| Bond & Writing . . . . .              | 1,719,073    | 3,770,853    | 2,567,668    | 534,062      | 923,088      | 1,485,841    | 2,549,180    | 1,410,794    | 877,296      |
| Paperboard — n.o.p. . . . .           | 3,426,320    | 6,990,766    | 9,410,511    | 5,231,195    | 5,907,085    | 9,887,003    | 6,940,775    | 5,622,884    | 5,397,180    |
| Roofing & Building Paper . . . . .    | 247,104      | 152,225      | 577,052      | 153,504      | 108,995      | 508,582      | 841,160      | 330,205      | 185,831      |
| Building & Insulating Board . . . . . | 1,764,374    | 2,096,727    | 2,327,497    | 689,100      | 1,258,749    | 1,437,700    | 1,878,294    | 1,234,205    | 1,438,850    |
| Waste paper — n.o.p. . . . .          | 997,737      | 936,118      | 2,154,913    | 1,396,735    | 518,798      | 569,879      | 287,614      | 264,338      | 255,590      |
| Pulpboard for Wallboards . . . . .    | 1,827,255    | 2,165,043    | 2,324,008    | 2,035,135    | 1,798,317    | 2,194,904    | 2,110,674    | 1,562,941    | 1,621,460    |
| Tissue Paper . . . . .                | 294,006      | 259,605      | 150,996      | 17,081       | 15,834       | 207,298      | 409,345      | 87,666       | 78,315       |
| Toilet Paper . . . . .                | 159,959      | 609,977      | 804,966      | 447,591      | 723,387      | 1,472,949    | 710,109      | 308,192      | 502,796      |
|                                       | \$17,183,912 | \$25,501,490 | \$29,330,116 | \$14,775,308 | \$15,730,400 | \$27,215,004 | \$25,191,440 | \$17,491,567 | \$17,190,392 |
| <b>Paper Products</b>                 |              |              |              |              |              |              |              |              |              |
| Bags, Boxes & Cartons . . . . .       | 552,139      | 973,982      | 1,834,501    | \$ 855,722   | \$ 778,364   | \$ 1,846,385 | \$ 1,108,720 | \$ 819,430   | \$ 1,555,349 |
| Hanging or Wall . . . . .             | 730,895      | 1,005,842    | 1,081,319    | 1,014,588    | 723,927      | 595,496      | 769,625      | 687,149      | 459,566      |
| Hanging not Printed . . . . .         | 170,535      | 48,456       | 11,971       | 3,834        | .....        | 15,999       | 47,429       | 70,080       | .....        |
| Writing Paper — n.o.p. . . . .        | 90,261       | 195,922      | 193,041      | 72,995       | 90,858       | 225,198      | 542,741      | 378,821      | 807,402      |
| Other Paper . . . . .                 | 538,557      | 668,650      | 1,158,686    | 713,141      | 494,096      | 1,199,436    | 1,521,174    | 1,285,535    | 1,376,534    |
|                                       | \$ 2,082,387 | \$ 2,892,852 | \$ 4,279,518 | \$ 2,660,280 | \$ 2,087,245 | \$ 3,882,514 | \$ 3,989,689 | \$ 3,241,015 | \$ 4,198,851 |
|                                       | \$19,266,299 | \$28,394,342 | \$33,609,634 | \$17,435,588 | \$17,817,645 | \$31,097,518 | \$29,181,129 | \$20,732,582 | \$21,389,243 |

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

## "F" — NATIONAL SIGNIFICANCE

All figures after 1948 include Newfoundland

Table 69.

## Production and Exports of Paper

|                | Production |               | Exports   |               |
|----------------|------------|---------------|-----------|---------------|
|                | Tons       | Value         | Tons (a)  | Value         |
| 1920 . . . . . | 1,214,951  | \$132,022,767 | 780,932   | \$ 86,744,010 |
| 1921 . . . . . | 1,018,947  | 106,553,935   | 733,549   | 75,510,945    |
| 1922 . . . . . | 1,366,815  | 106,260,078   | 994,848   | 74,825,893    |
| 1923 . . . . . | 1,589,303  | 127,184,370   | 1,778,743 | 93,770,957    |
| 1924 . . . . . | 1,718,741  | 133,319,497   | 1,263,342 | 99,248,497    |
| 1925 . . . . . | 1,884,705  | 140,160,675   | 1,442,296 | 106,624,046   |
| 1926 . . . . . | 2,266,143  | 158,182,227   | 1,770,386 | 121,414,513   |
| 1927 . . . . . | 2,468,691  | 168,230,740   | 1,918,866 | 129,637,687   |
| 1928 . . . . . | 2,849,199  | 184,305,405   | 2,252,757 | 147,156,792   |
| 1929 . . . . . | 3,197,149  | 192,989,252   | 2,563,859 | 154,919,122   |
| 1930 . . . . . | 2,926,787  | 173,305,874   | 2,372,640 | 138,530,243   |
| 1931 . . . . . | 2,611,225  | 143,629,889   | 2,042,151 | 111,114,042   |
| 1932 . . . . . | 2,290,767  | 113,873,123   | 1,805,130 | 86,323,539    |
| 1933 . . . . . | 2,419,420  | 96,689,875    | 1,871,191 | 72,396,132    |
| 1934 . . . . . | 3,069,516  | 120,892,225   | 2,454,341 | 87,633,721    |
| 1935 . . . . . | 3,280,896  | 125,752,650   | 2,617,579 | 94,041,591    |
| 1936 . . . . . | 3,806,710  | 146,354,666   | 3,061,174 | 110,861,428   |
| 1937 . . . . . | 4,345,361  | 175,885,423   | 3,532,269 | 136,164,168   |
| 1938 . . . . . | 3,249,358  | 151,650,065   | 2,545,456 | 112,872,776   |
| 1939 . . . . . | 3,600,302  | 170,776,062   | 2,795,876 | 124,127,164   |
| 1940 . . . . . | 4,319,414  | 225,836,809   | 3,489,946 | 170,879,526   |
| 1941 . . . . . | 4,524,776  | 241,450,292   | 3,587,181 | 176,184,025   |
| 1942 . . . . . | 4,231,767  | 230,269,512   | 3,241,941 | 156,938,084   |
| 1943 . . . . . | 3,966,344  | 234,036,152   | 2,983,882 | 160,825,462   |
| 1944 . . . . . | 4,044,376  | 255,545,841   | 3,012,975 | 177,290,282   |
| 1945 . . . . . | 4,359,576  | 282,837,614   | 3,285,611 | 203,011,992   |
| 1946 . . . . . | 5,347,118  | 396,956,390   | 4,045,795 | 287,437,805   |
| 1947 . . . . . | 5,775,082  | 507,101,277   | 4,452,090 | 373,070,338   |
| 1948 . . . . . | 6,063,646  | 582,346,842   | 4,587,501 | 416,681,608   |
| 1949 . . . . . | 6,539,969  | 641,459,838   | 4,952,283 | 459,039,871   |
| 1950 . . . . . | 6,812,035  | 710,153,826   | 5,118,417 | 505,314,242   |
| 1951 . . . . . | 7,225,271  | 824,029,649   | 5,359,303 | 574,106,206   |
| 1952 . . . . . | 7,201,800  | 838,105,108   | 5,526,127 | 622,136,313   |
| 1953 . . . . . | 7,235,842e | n.a.          | 5,541,197 | 639,079,083   |

a: Weight of items of export classification for which tonnage figures are available (see note accompanying Table 67). The value figures, however, cover all exports of paper and paper products.

c: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 70.

## Imports of Wood-pulp and Paper and Paper Goods

|                | Wood-pulp |            | Paper and Paper Goods (a) |              |
|----------------|-----------|------------|---------------------------|--------------|
|                | Tons      | Value      | Tons                      | Value        |
| 1915 . . . . . | a         | \$ 423,331 | a                         | \$ 2,402,507 |
| 1916 . . . . . | a         | 552,002    | a                         | 3,321,569    |
| 1917 . . . . . | a         | 587,369    | a                         | 4,204,968    |
| 1918 . . . . . | a         | 470,516    | a                         | 8,480,498    |
| 1919 . . . . . | a         | 609,804    | a                         | 9,246,414    |
| 1920 . . . . . | 21,142    | 1,940,461  | 21,142                    | 14,059,046   |
| 1921 . . . . . | 20,196    | 2,063,870  | 20,196                    | 8,395,267    |
| 1922 . . . . . | 17,576    | 1,032,528  | 17,576                    | 8,295,094    |
| 1923 . . . . . | 18,401    | 980,687    | 18,401                    | 9,112,896    |
| 1924 . . . . . | 24,496    | 1,375,991  | 24,496                    | 9,327,942    |
| 1925 . . . . . | 23,423    | 1,274,542  | 23,423                    | 9,142,177    |
| 1926 . . . . . | 22,938    | 1,211,188  | 22,938                    | 10,977,946   |
| 1927 . . . . . | 23,677    | 1,258,533  | 23,677                    | 11,618,538   |
| 1928 . . . . . | 22,424    | 1,107,801  | 22,424                    | 13,260,288   |
| 1929 . . . . . | 19,874    | 1,024,569  | 19,874                    | 14,739,472   |
| 1930 . . . . . | 18,526    | 826,862    | 18,526                    | 12,907,658   |
| 1931 . . . . . | 14,418    | 592,904    | 14,418                    | 9,585,986    |
| 1932 . . . . . | 13,420    | 462,649    | 13,420                    | 6,790,363    |
| 1933 . . . . . | 5,708     | 177,289    | 5,708                     | 5,345,603    |
| 1934 . . . . . | 8,205     | 257,782    | 8,205                     | 5,503,081    |
| 1935 . . . . . | 16,378    | 534,358    | 16,378                    | 5,828,073    |
| 1936 . . . . . | 19,201    | 617,599    | 19,201                    | 6,706,408    |
| 1937 . . . . . | 21,054    | 695,819    | 21,054                    | 7,981,545    |
| 1938 . . . . . | 16,979    | 561,474    | 16,979                    | 7,520,328    |
| 1939 . . . . . | 21,544    | 763,141    | 21,544                    | 8,653,987    |
| 1940 . . . . . | 19,996    | 814,387    | 19,996                    | 8,858,180    |
| 1941 . . . . . | 20,653    | 1,069,953  | 20,653                    | 9,341,390    |
| 1942 . . . . . | 21,450    | 1,298,521  | 21,450                    | 10,675,315   |
| 1943 . . . . . | 21,662    | 1,452,133  | 21,662                    | 10,701,736   |
| 1944 . . . . . | 13,747    | 1,100,412  | 13,747                    | 12,156,601   |
| 1945 . . . . . | 14,510    | 1,166,078  | 14,510                    | 13,376,067   |
| 1946 . . . . . | 14,471    | 1,290,956  | 14,471                    | 18,834,089   |
| 1947 . . . . . | 28,326    | 3,068,086  | 28,326                    | 23,027,200   |
| 1948 . . . . . | 33,004    | 3,799,597  | 33,004                    | 17,212,565   |
| 1949 . . . . . | 35,432    | 3,963,086  | 35,432                    | 20,207,068   |
| 1950 . . . . . | 36,583    | 3,692,274  | 36,583                    | 23,433,530   |
| 1951 . . . . . | 36,416    | 4,546,204  | 36,416                    | 34,831,145   |
| 1952 . . . . . | 37,332    | 5,499,093  | 37,332                    | 29,920,960   |
| 1953 . . . . . | 43,384    | 5,099,802  | 43,384                    | 39,208,074   |

a: Quantity not available.

Source: Dominion Bureau of Statistics.



Table 71.  
Pulp and Paper Exports and Canadian Trade

|            | Pulp and paper<br>Exports | Total domestic<br>exports of<br>Canada | Pulp and paper<br>exports to total<br>exports — % | Trade<br>Balance |
|------------|---------------------------|----------------------------------------|---------------------------------------------------|------------------|
| 1919 . . . | \$ 97,168,278             | \$1,235,958,483                        | 7.86                                              | \$348,778,322    |
| 1920 . . . | 163,127,988               | 1,268,014,533                          | 12.86                                             | 38,758,816       |
| 1921 . . . | 108,644,620               | 800,149,296                            | 13.58                                             | 14,665,274       |
| 1922 . . . | 115,863,742               | 880,408,645                            | 13.16                                             | 131,814,604      |
| 1923 . . . | 140,798,453               | 1,002,401,467                          | 14.05                                             | 112,955,801      |
| 1924 . . . | 139,491,469               | 1,029,699,449                          | 13.55                                             | 234,108,594      |
| 1925 . . . | 154,555,951               | 1,239,554,207                          | 12.47                                             | 361,472,800      |
| 1926 . . . | 173,491,635               | 1,261,241,525                          | 13.76                                             | 268,236,906      |
| 1927 . . . | 176,635,728               | 1,210,596,998                          | 14.59                                             | 145,924,299      |
| 1928 . . . | 192,771,615               | 1,339,409,562                          | 14.39                                             | 141,470,440      |
| 1929 . . . | 198,287,106               | 1,152,416,350                          | 17.21                                             | 120,650,245      |
| 1930 . . . | 177,590,222               | 863,683,761                            | 20.56                                             | 125,331,731      |
| 1931 . . . | 141,170,685               | 587,653,440                            | 24.02                                             | 28,537,926       |
| 1932 . . . | 105,253,603               | 489,883,112                            | 21.48                                             | 45,299,340       |
| 1933 . . . | 95,750,769                | 529,449,529                            | 18.09                                             | 134,269,478      |
| 1934 . . . | 113,078,565               | 649,314,236                            | 17.42                                             | 142,836,731      |
| 1935 . . . | 121,667,321               | 724,977,459                            | 16.78                                             | 187,621,328      |
| 1936 . . . | 142,108,123               | 937,824,933                            | 15.15                                             | 315,318,408      |
| 1937 . . . | 177,979,899               | 997,366,918                            | 17.84                                             | 203,225,455      |
| 1938 . . . | 140,603,514               | 837,583,917                            | 16.79                                             | 171,232,779      |
| 1939 . . . | 155,127,766               | 924,926,104                            | 16.77                                             | 184,866,179      |
| 1940 . . . | 231,809,675               | 1,178,954,420                          | 19.66                                             | 111,266,873      |
| 1941 . . . | 262,081,761               | 1,621,003,175                          | 16.17                                             | 191,662,891      |
| 1942 . . . | 253,104,957               | 2,363,773,296                          | 10.71                                             | 741,224,113      |
| 1943 . . . | 260,838,237               | 2,971,475,277                          | 8.78                                              | 1,266,275,389    |
| 1944 . . . | 278,853,306               | 3,439,953,165                          | 8.11                                              | 1,724,200,415    |
| 1945 . . . | 309,066,903               | 3,218,330,353                          | 9.60                                              | 1,681,649,146    |
| 1946 . . . | 401,458,464               | 2,312,215,301                          | 17.36                                             | 411,886,445      |
| 1947 . . . | 550,872,950               | 2,774,902,355                          | 19.85                                             | 237,846,285      |
| 1948 . . . | 628,245,992               | 3,075,438,085                          | 20.43                                             | 473,083,316      |
| 1949 . . . | 630,544,034               | 2,998,356,417                          | 21.03                                             | 254,085,902      |
| 1950 . . . | 713,869,791               | 3,118,386,551                          | 22.89                                             | 17,180,465       |
| 1951 . . . | 939,239,090               | 3,914,460,376                          | 23.99                                             | 170,396,102      |
| 1952 . . . | 913,999,811               | 4,301,080,679                          | 21.25                                             | 270,613,026      |
| 1953 . . . | 887,751,816               | 4,117,405,882                          | 21.56                                             | 265,424,548      |

—: Unfavourable balance.

Domestic exports cover exports of Canadian produce. In the last 20 years, domestic exports cover approximately 98 per cent or more of total Canadian exports.

Pulp and paper export figures 1919-1930 estimated by DBS from fiscal year figures.

Source: Dominion Bureau of Statistics.

Table 72.  
Products of Newfoundland's Pulp and Paper Mills  
(Finished products for sale)

| Calendar<br>Year | Newsprint &<br>Sideruns<br>Tons | Sulphite<br>Pulp<br>Tons | Mechanical<br>Pulp<br>Tons | Sundries*<br>Tons | Total<br>Production<br>Tons |
|------------------|---------------------------------|--------------------------|----------------------------|-------------------|-----------------------------|
| 1938 . . .       | 268,625                         | 885                      | —                          | 323               | 269,833                     |
| 1939 . . .       | 308,530                         | 5,975                    | —                          | 326               | 314,831                     |
| 1940 . . .       | 361,703                         | 26,647                   | 6,432                      | 361               | 395,143                     |
| 1941 . . .       | 360,930                         | 44,470                   | 14,806                     | 657               | 420,863                     |
| 1942 . . .       | 283,358                         | 62,970                   | 29,025                     | 1,386             | 376,739                     |
| 1943 . . .       | 239,882                         | 47,007                   | 38,502                     | 4,393             | 329,784                     |
| 1944 . . .       | 278,159                         | 27,005                   | 44,161                     | 7,404             | 356,729                     |
| 1945 . . .       | 344,573                         | 37,014                   | 14,237                     | 4,337             | 400,161                     |
| 1946 . . .       | 374,993                         | 17,952                   | —                          | 4,528             | 397,473                     |
| 1947 . . .       | 387,097                         | 43,020                   | 468                        | 4,144             | 434,729                     |
| 1948 . . .       | 397,983                         | 54,899                   | 3,228                      | 3,867             | 459,977                     |

\* Includes mill wrappers, sheathing paper, sulphite wrapping for local use.

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated into the Canadian totals.

Source: Newfoundland Department of Natural Resources.

Table 73.  
Production by Provinces 1952

| Provinces                     | Pulpwood<br>Cords * | Woodpulp<br>Tons | Paper<br>Tons |
|-------------------------------|---------------------|------------------|---------------|
| Quebec . . . . .              | 6,583,065           | 4,192,047        | 3,515,193     |
| Ontario . . . . .             | 3,603,839           | 2,308,722        | 1,963,403     |
| British Columbia . . . . .    | 929,959             | 914,634          | 540,140       |
| Other Provinces (a) . . . . . | 2,985,807           | 1,552,606        | 1,183,064     |
| Canada . . . . .              | 14,102,670          | 8,968,009        | 7,201,800     |

a: Newfoundland, Nova Scotia, New Brunswick and Manitoba.

\* Rough or unpeeled wood.

Source: Dominion Bureau of Statistics.

Table 74.  
Principal Statistics by Provinces 1952

| Provinces                  | Mills | Employees<br>(a) | Salaries<br>and<br>Wages (a) | Cost of<br>Fuel and<br>Electricity | Cost of<br>Materials<br>Used | Gross Value<br>of<br>Products | Net Value<br>of<br>Products |
|----------------------------|-------|------------------|------------------------------|------------------------------------|------------------------------|-------------------------------|-----------------------------|
|                            | No.   | No.              | \$                           | \$                                 | \$                           | \$                            | \$                          |
| Newfoundland . . . . .     | 3     | 3,538            | 14,420,551                   | 2,576,482                          | 23,876,477                   | 62,812,294                    | 36,359,335                  |
| Nova Scotia . . . . .      | 4     | 1,156            | 3,919,568                    | 1,385,569                          | 7,171,960                    | 19,739,891                    | 11,182,362                  |
| New Brunswick . . . . .    | 7     | 3,759            | 14,785,530                   | 6,609,227                          | 40,125,924                   | 86,515,912                    | 39,780,761                  |
| Quebec . . . . .           | 55    | 23,928           | 92,618,338                   | 38,845,196                         | 224,571,652                  | 508,123,821                   | 244,706,973                 |
| Ontario . . . . .          | 44    | 18,883           | 72,579,783                   | 19,672,821                         | 148,362,270                  | 342,612,966                   | 174,577,875                 |
| Manitoba . . . . .         | 3     | 491              | 1,823,926                    | 960,245                            | 3,974,316                    | 12,792,741                    | 7,858,180                   |
| British Columbia . . . . . | 12    | 6,048            | 25,205,631                   | 6,690,217                          | 48,964,229                   | 125,290,032                   | 69,635,586                  |
| Canada . . . . .           | 128   | 57,803           | 225,353,327                  | 76,739,757                         | 497,046,828                  | 1,157,887,657                 | 584,101,072                 |

(a) Woods workers not included.

(b) See foot-note in Table 77.

Source: Dominion Bureau of Statistics.

Table 75.  
Exports of Canadian Products to the United States

|                                                    | 1951            | %    | 1952            | %    | 1953            | %    |
|----------------------------------------------------|-----------------|------|-----------------|------|-----------------|------|
| Pulp . . . . .                                     | \$ 276,760,578  | 12.1 | \$ 225,082,376  | 9.8  | \$ 202,247,663  | 8.4  |
| Newsprint* . . . . .                               | 500,525,110     | 21.8 | 536,145,130     | 23.2 | 565,151,240     | 23.3 |
| Other paper and paper products . . . . .           | 17,059,334      | .7   | 13,172,538      | .6   | 13,305,205      | .6   |
|                                                    | \$ 794,345,022  | 34.6 | \$ 774,400,044  | 33.6 | \$ 780,704,108  | 32.3 |
| Wood, wood products and paper . . . . .            | \$1,114,581,439 | 48.5 | \$1,081,016,011 | 46.9 | \$1,091,450,118 | 45.1 |
| Animals and animal products . . . . .              | 265,527,696     | 11.6 | 147,965,965     | 6.4  | 179,372,203     | 7.4  |
| Non-ferrous metals and their products . . . . .    | 278,008,661     | 12.1 | 349,650,360     | 15.1 | 408,521,138     | 16.9 |
| Agricultural and vegetable products . . . . .      | 263,442,560     | 11.5 | 301,306,862     | 13.1 | 271,297,585     | 11.2 |
| Iron and its products . . . . .                    | 169,187,778     | 7.4  | 172,701,418     | 7.5  | 182,871,874     | 7.6  |
| Non-metallic minerals and their products . . . . . | 89,925,676      | 3.9  | 96,640,362      | 4.2  | 107,009,193     | 4.4  |
| Chemicals and allied products . . . . .            | 67,253,116      | 2.9  | 75,107,037      | 3.2  | 84,598,653      | 3.5  |
| Fibres, textiles and textile products . . . . .    | 19,588,473      | .8   | 17,441,531      | .8   | 14,889,618      | .6   |
| Miscellaneous commodities . . . . .                | 30,159,195      | 1.3  | 65,125,392      | 2.8  | 78,904,401      | 3.3  |
| Total, excluding gold . . . . .                    | \$2,297,674,594 | 100. | \$2,306,954,938 | 100. | \$2,418,914,783 | 100. |

\* Includes mutilated newsprint valued at \$3,672,913 in 1951, \$1,772,271 in 1952, and \$777,243 in 1953.

Source: Dominion Bureau of Statistics.



Table 76.  
Pulp and Paper Production and the National Income

|                | Gross<br>Production<br>of Industry | Gross<br>National<br>Product<br>† (a)<br>'000,000 | Net<br>Production<br>of Industry<br>(b) | Net<br>National<br>Income<br>† (a)<br>'000,000 |
|----------------|------------------------------------|---------------------------------------------------|-----------------------------------------|------------------------------------------------|
| 1926 . . . . . | \$ 215,370,274                     | \$ 5,294                                          | \$109,580,404                           | \$ 4,185                                       |
| 1927 . . . . . | 219,329,753                        | 5,647                                             | 110,492,354                             | 4,417                                          |
| 1928 . . . . . | 233,077,236                        | 6,105                                             | 120,039,858                             | 4,823                                          |
| 1929 . . . . . | 243,970,761                        | 6,166                                             | 122,288,583                             | 4,789                                          |
| 1930 . . . . . | 215,970,761                        | 5,546                                             | 107,959,927                             | 4,283                                          |
| 1931 . . . . . | 174,733,954                        | 4,560                                             | 88,166,297                              | 3,333                                          |
| 1932 . . . . . | 135,648,729                        | 3,767                                             | 67,121,459                              | 2,630                                          |
| 1933 . . . . . | 123,415,492                        | 3,552                                             | 57,289,643                              | 2,452                                          |
| 1934 . . . . . | 152,647,756                        | 4,034                                             | 77,696,593                              | 2,897                                          |
| 1935 . . . . . | 159,325,546                        | 4,345                                             | 79,199,741                              | 3,188                                          |
| 1936 . . . . . | 183,632,995                        | 4,701                                             | 86,406,163                              | 3,487                                          |
| 1937 . . . . . | 226,244,711                        | 5,355                                             | 106,002,017                             | 4,062                                          |
| 1938 . . . . . | 183,897,503                        | 5,233                                             | 89,034,186                              | 4,018                                          |
| 1939 . . . . . | 208,152,295                        | 5,707                                             | 103,123,660                             | 4,373                                          |
| 1940 . . . . . | 298,034,843                        | 6,872                                             | 158,230,575                             | 5,263                                          |
| 1941 . . . . . | 334,726,175                        | 8,517                                             | 174,852,041                             | 6,663                                          |
| 1942 . . . . . | 336,697,277                        | 10,539                                            | 164,500,420                             | 8,337                                          |
| 1943 . . . . . | 344,411,614                        | 11,183                                            | 164,244,088                             | 9,043                                          |
| 1944 . . . . . | 369,846,086                        | 11,954                                            | 174,492,103                             | 9,826                                          |
| 1945 . . . . . | 398,805,515                        | 11,850                                            | 180,401,885                             | 9,840                                          |
| 1946 . . . . . | 527,814,916                        | 12,026                                            | 258,164,578                             | 9,821                                          |
| 1947 . . . . . | 706,971,628                        | 13,768                                            | 356,084,900                             | 10,985                                         |
| 1948 . . . . . | 825,857,664                        | 15,613                                            | 412,770,470                             | 12,560                                         |
| 1949 . . . . . | 836,148,393                        | 16,462                                            | 423,375,527                             | 13,194                                         |
| 1950 . . . . . | 954,137,651                        | 18,205                                            | 511,142,983                             | 14,550                                         |
| 1951 . . . . . | 1,237,897,470                      | 21,513                                            | 679,257,743                             | 17,180                                         |
| 1952 . . . . . | 1,157,887,657                      | 23,212*                                           | 584,101,072                             | 18,235*                                        |

\* Preliminary figures.

† Includes Newfoundland since 1949. In 1948, the last year before accession, Newfoundland's Gross National Product was about \$175 million.

All National Income figures from 1926 have been compiled on a revised basis in December, 1951. Figures for years prior to 1926 are not comparable.

a: The "national income" is the total of all incomes earned by Canadians in the production of goods and services during the calendar year. The "gross national product" is the market value of all goods and services produced by Canadians. It is obtained by adding to the national income two items which are not "income" but which are part of the final cost of all goods and services—namely, allowances for depreciation of plant and equipment, and indirect taxes less subsidies.

b: The "net value of production" or value added by manufacture is computed by subtracting the cost of fuel and electricity as well as the cost of materials from the gross value of the products.

The figures for the years prior to 1926, when the National Income figures were compiled on a different basis and for which the gross National product figures are not available, were as follows:

|                | Gross Production<br>of Industry | Net Production<br>of Industry | National<br>Income |
|----------------|---------------------------------|-------------------------------|--------------------|
| 1921 . . . . . | \$151,003,165                   | \$73,765,200                  | \$3,507            |
| 1922 . . . . . | 158,950,956                     | 81,258,232                    | 3,671              |
| 1923 . . . . . | 184,821,511                     | 95,076,985                    | 3,847              |
| 1924 . . . . . | 179,259,504                     | 89,629,253                    | 3,865              |
| 1925 . . . . . | 193,092,937                     | 99,071,212                    | 4,239              |

Source: Dominion Bureau of Statistics.

Table 77. Growth of Industry

|                | Paper and<br>Paper Mills<br>(a) | Total<br>Employees | Total<br>Production |
|----------------|---------------------------------|--------------------|---------------------|
| 1871 . . . . . | 21                              | 760                | \$ 1,071,651        |
| 1881 . . . . . | 41                              | 1,588              | 2,509,993           |
| 1891 . . . . . | 58                              | 2,817              | 3,633,257           |
| 1901 . . . . . | 53                              | 6,236              | 8,627,557           |
| 1911 . . . . . | 72                              | 9,766              | 23,226,479          |
| 1921 . . . . . | 100                             | 24,619             | 151,003,165         |
| 1931 . . . . . | 103                             | 26,669             | 174,733,954         |
| 1941 . . . . . | 106                             | 37,154             | 334,726,175         |
| 1945 . . . . . | 109                             | 39,996             | 398,804,515         |
| 1946 . . . . . | 113                             | 44,967             | 527,814,916         |
| 1947 . . . . . | 115                             | 49,946             | 706,971,628         |
| 1948 . . . . . | 117                             | 51,924             | 825,857,664         |
| 1949 . . . . . | 123                             | 52,050             | 836,148,393         |
| 1950 . . . . . | 123                             | 52,343             | 954,137,651         |
| 1951 . . . . . | 126                             | 57,291             | 1,237,897,470       |
| 1952 . . . . . | 128                             | 57,803             | 1,157,887,657b      |

a: Number of mills operated during year.

b: Includes products other than pulp or paper valued at \$124,028.

Note: At the close of 1953 there were altogether 132 pulp and paper mills in Canada, which were active during all or part of the year. This total includes two asbestos paper mills which, for statistical purposes report in the Asbestos Products industry only.

Manufacturers of moulded pulp products and of laminated, coated or impregnated papers and paperboards are classed in the Paper Goods industry or in the Roofing Paper industry only, unless they produce the pulp or paper used, in which case separate returns are made covering pulp and paper manufacture and paper conversion.

Source: Dominion Bureau of Statistics.

Table 78. Operations of Mills

|                                                    | No. of mills<br>1952 |
|----------------------------------------------------|----------------------|
| Groundwood, bleached . . . . .                     | 5                    |
| Groundwood, unbleached . . . . .                   | 76                   |
| Mechanical screenings . . . . .                    | 21                   |
| Soda pulp . . . . .                                | 1                    |
| Bleached sulphite (dissolving) . . . . .           | 7                    |
| Bleached sulphite (paper pulp) . . . . .           | 13                   |
| Unbleached sulphite (strong) . . . . .             | 11                   |
| Unbleached sulphite (news grade) . . . . .         | 31                   |
| Sulphite screenings . . . . .                      | 28                   |
| Sulphate pulp, bleached . . . . .                  | 7                    |
| Sulphate pulp, semi-bleached . . . . .             | 4                    |
| Sulphate pulp, unbleached . . . . .                | 13                   |
| Sulphite screenings . . . . .                      | 5                    |
| Semi-chemical pulp . . . . .                       | 3                    |
| Defibrated and exploded pulps . . . . .            | 9                    |
| Newsprint . . . . .                                | 41                   |
| Groundwood printing and specialty papers . . . . . | 7                    |
| Book paper . . . . .                               | 11                   |
| Fine papers . . . . .                              | 12                   |
| Miscellaneous fine papers . . . . .                | 11                   |
| Tissue paper other than sanitary . . . . .         | 12                   |
| Sanitary paper . . . . .                           | 9                    |
| Special industrial papers . . . . .                | 20                   |
| Wrapping papers . . . . .                          | 13                   |
| Building papers . . . . .                          | 37                   |
| Paperboard . . . . .                               | 3                    |
| Building boards . . . . .                          | 9                    |
| Wet machine boards . . . . .                       | 3                    |

Note: Most mills make two or more products. There were in all 128 active mills in 1952. (See foot-note in Table 77)

Source: Dominion Bureau of Statistics.

Table 79. Mill Locations

|                            | Pulp<br>Mills | Pulp &<br>Paper<br>Mills | Paper<br>Mills | Total |
|----------------------------|---------------|--------------------------|----------------|-------|
| Newfoundland . . . . .     | 1             | 2                        | —              | 3     |
| Nova Scotia . . . . .      | 2             | 2                        | —              | 4     |
| New Brunswick . . . . .    | 4             | 3                        | —              | 7     |
| Quebec . . . . .           | 12            | 33                       | 10             | 55    |
| Ontario . . . . .          | 9             | 19                       | 16             | 44    |
| Manitoba . . . . .         | —             | 3                        | —              | 3     |
| British Columbia . . . . . | 6             | 6                        | —              | 12    |
| Canada . . . . .           | 34            | 68                       | 26             | 128   |

Note: See foot-note in Table 77.

Source: Dominion Bureau of Statistics.

Table 80. Capital Expenditures

For the years 1946 to 1953, annual surveys of the Department of Trade & Commerce, covering some 95 per cent of the industry, show the following capital expenditures:

| Year           | Millions of \$ |
|----------------|----------------|
| 1946 . . . . . | 49.5           |
| 1947 . . . . . | 77.7           |
| 1948 . . . . . | 79.9           |
| 1949 . . . . . | 71.8           |
| 1950 . . . . . | 68.6           |
| 1951 . . . . . | 111.2          |
| 1952 . . . . . | 115.8          |
| 1953 . . . . . | 110.7*         |
|                | 685.2          |

\* Preliminary.

The foregoing figures do not include capital expenditures made on the woodlands nor, of course, expenditures for maintenance and renewals.



Table 81.

## Employees and Wages

|                | Total Employees | Employees On Salary | Total Salaries Paid | Average Salary | Employees On Wages | Wages Paid    | Total Average Wage | Wage Index (a) | Consumer Price Index (b) | Total Salaries & Wages |
|----------------|-----------------|---------------------|---------------------|----------------|--------------------|---------------|--------------------|----------------|--------------------------|------------------------|
| 1920 . . . . . | 31,298          | 2,669               | \$ 6,536,579        | \$ 2,449       | 28,629             | \$ 38,717,314 | \$ 1,352           | 47.4           | 90.5                     | \$ 45,253,893          |
| 1921 . . . . . | 24,611          | 2,353               | 6,363,304           | 2,704          | 22,258             | 27,835,786    | 1,251              | 43.9           | 80.9                     | 34,199,090             |
| 1922 . . . . . | 25,830          | 2,608               | 6,326,635           | 2,426          | 23,222             | 26,592,320    | 1,145              | 40.1           | 74.9                     | 32,918,955             |
| 1923 . . . . . | 29,234          | 2,820               | 7,069,196           | 2,507          | 26,414             | 31,313,649    | 1,185              | 41.5           | 75.2                     | 38,382,845             |
| 1924 . . . . . | 27,627          | 2,993               | 6,938,659           | 2,318          | 24,634             | 30,710,869    | 1,247              | 43.7           | 74.0                     | 37,649,528             |
| 1925 . . . . . | 28,031          | 2,971               | 6,816,191           | 2,294          | 25,060             | 31,744,714    | 1,267              | 44.4           | 74.6                     | 38,560,905             |
| 1926 . . . . . | 31,279          | 3,099               | 7,492,040           | 2,418          | 28,180             | 36,683,462    | 1,302              | 45.7           | 75.9                     | 44,175,502             |
| 1927 . . . . . | 32,876          | 3,174               | 8,093,830           | 2,550          | 29,702             | 37,580,463    | 1,265              | 44.4           | 74.6                     | 45,674,293             |
| 1928 . . . . . | 33,614          | 3,507               | 8,713,671           | 2,485          | 30,107             | 38,608,977    | 1,282              | 45.0           | 75.0                     | 47,322,648             |
| 1929 . . . . . | 34,202          | 3,738               | 9,391,901           | 2,513          | 30,464             | 40,822,544    | 1,340              | 47.0           | 75.8                     | 50,214,445             |
| 1930 . . . . . | 33,207          | 3,532               | 9,538,588           | 2,701          | 29,675             | 36,236,388    | 1,221              | 42.8           | 75.3                     | 45,774,976             |
| 1931 . . . . . | 26,669          | 3,170               | 7,858,839           | 2,479          | 23,499             | 26,933,174    | 1,146              | 40.2           | 67.9                     | 34,792,013             |
| 1932 . . . . . | 24,561          | 3,112               | 7,240,125           | 2,327          | 21,449             | 21,108,003    | 984                | 34.5           | 61.7                     | 28,348,128             |
| 1933 . . . . . | 24,037          | 2,920               | 6,464,510           | 2,214          | 21,117             | 20,193,032    | 956                | 33.5           | 58.8                     | 26,657,542             |
| 1934 . . . . . | 26,993          | 3,174               | 7,148,763           | 2,252          | 23,819             | 26,158,280    | 1,098              | 38.5           | 59.6                     | 33,307,043             |
| 1935 . . . . . | 27,836          | 3,290               | 7,827,961           | 2,379          | 24,546             | 28,065,352    | 1,143              | 40.1           | 59.9                     | 35,893,313             |
| 1936 . . . . . | 29,478          | 3,372               | 7,927,690           | 2,351          | 26,106             | 31,512,384    | 1,207              | 42.3           | 61.1                     | 39,440,074             |
| 1937 . . . . . | 33,205          | 4,044               | 9,561,449           | 2,364          | 29,161             | 39,196,346    | 1,344              | 47.1           | 63.0                     | 48,757,795             |
| 1938 . . . . . | 30,943          | 4,263               | 10,823,536          | 2,539          | 26,680             | 31,795,775    | 1,192              | 41.8           | 63.7                     | 42,619,311             |
| 1939 . . . . . | 31,016          | 4,382               | 10,875,243          | 2,482          | 26,634             | 33,862,136    | 1,271              | 44.6           | 63.2                     | 44,737,379             |
| 1940 . . . . . | 34,719          | 4,630               | 11,693,329          | 2,526          | 30,089             | 44,380,483    | 1,475              | 51.7           | 65.7                     | 56,073,812             |
| 1941 . . . . . | 37,154          | 4,970               | 12,924,964          | 2,601          | 32,184             | 50,752,854    | 1,577              | 55.3           | 69.6                     | 63,677,818             |
| 1942 . . . . . | 38,002          | 5,071               | 13,618,478          | 2,686          | 32,931             | 56,037,915    | 1,702              | 59.7           | 72.9                     | 69,656,393             |
| 1943 . . . . . | 37,020          | 5,384               | 14,663,655          | 2,724          | 31,636             | 56,535,767    | 1,787              | 62.7           | 74.2                     | 71,199,422             |
| 1944 . . . . . | 37,896          | 5,488               | 15,617,507          | 2,846          | 32,408             | 60,215,901    | 1,858              | 65.1           | 74.6                     | 75,833,408             |
| 1945 . . . . . | 39,996          | 5,981               | 16,766,154          | 2,803          | 34,015             | 63,696,490    | 1,873              | 65.7           | 75.0                     | 80,462,644             |
| 1946 . . . . . | 44,967          | 6,910               | 20,959,990          | 3,033          | 38,057             | 80,404,646    | 2,113              | 74.1           | 77.5                     | 101,364,636            |
| 1947 . . . . . | 49,946          | 7,706               | 26,286,577          | 3,411          | 42,240             | 103,191,418   | 2,443              | 85.7           | 84.8                     | 129,477,995            |
| 1948 . . . . . | 51,924          | 8,066               | 30,459,864          | 3,776          | 43,858             | 121,202,897   | 2,764              | 96.9           | 97.0                     | 151,662,761            |
| 1949 . . . . . | 52,050          | 8,243               | 32,784,295          | 3,977          | 43,807             | 124,919,573   | 2,852              | 100.0          | 100.0                    | 157,703,868            |
| 1950 . . . . . | 52,343          | 8,578               | 35,729,300          | 4,165          | 43,765             | 133,517,231   | 3,051              | 107.0          | 102.9                    | 169,246,531            |
| 1951 . . . . . | 57,291          | 9,413               | 44,126,918          | 4,688          | 47,878             | 169,042,988   | 3,531              | 123.8          | 113.7                    | 213,169,906            |
| 1952 . . . . . | 57,803          | 9,493               | 48,119,514          | 5,069          | 48,310             | 177,233,813   | 3,669              | 128.6          | 116.5                    | 225,353,327            |

Woods labour not included.

a: Canadian Pulp and Paper Association figures based on: 100 equals 1949 average wage. Consumer price index: 100 equals 1949.

b: Constructed to replace Cost of Living Index.

Source: Dominion Bureau of Statistics.

Table 82.

## Capital, Employees and Wages

|                | Capital Employed | Number of Employees | Capital Employed per employee | Total Salaries and Wages |
|----------------|------------------|---------------------|-------------------------------|--------------------------|
| 1920 . . . . . | \$ 347,553,333   | 31,298              | \$11,105                      | \$ 45,253,893            |
| 1921 . . . . . | 379,812,751      | 24,611              | 15,433                        | 34,199,090               |
| 1922 . . . . . | 381,006,324      | 25,830              | 14,751                        | 32,918,955               |
| 1923 . . . . . | 417,611,678      | 29,234              | 14,285                        | 38,382,845               |
| 1924 . . . . . | 459,457,696      | 27,627              | 16,631                        | 37,649,528               |
| 1925 . . . . . | 460,397,772      | 28,031              | 16,425                        | 38,560,905               |
| 1926 . . . . . | 501,184,714      | 31,279              | 16,023                        | 44,175,502               |
| 1927 . . . . . | 579,853,552      | 32,876              | 17,638                        | 45,674,293               |
| 1928 . . . . . | 685,687,459      | 33,614              | 20,399                        | 47,322,648               |
| 1929 . . . . . | 644,773,806      | 34,202              | 18,852                        | 50,214,445               |
| 1930 . . . . . | 703,937,104      | 33,207              | 21,198                        | 45,774,976               |
| 1931 . . . . . | 630,176,540      | 26,669              | 24,630                        | 34,792,013               |
| 1932 . . . . . | 597,550,013      | 24,561              | 24,329                        | 28,348,128               |
| 1933 . . . . . | 559,265,544      | 24,037              | 23,267                        | 26,657,542               |
| 1934 . . . . . | 554,973,891      | 26,993              | 20,560                        | 33,307,043               |
| 1935 . . . . . | 545,572,938      | 27,836              | 19,600                        | 35,893,313               |
| 1936 . . . . . | 536,073,034      | 29,478              | 18,186                        | 39,440,074               |
| 1937 . . . . . | 570,352,287      | 33,205              | 17,177                        | 48,757,795               |
| 1938 . . . . . | 594,908,222      | 30,943              | 19,226                        | 42,619,311               |
| 1939 . . . . . | 597,908,918      | 31,016              | 19,277                        | 44,737,379               |
| 1940 . . . . . | 642,979,942      | 34,719              | 18,520                        | 56,073,812               |
| 1941 . . . . . | 678,937,841      | 37,154              | 18,274                        | 63,677,818               |
| 1942 . . . . . | 655,598,196      | 38,002              | 17,251                        | 69,656,393               |
| 1943 . . . . . | 667,458,143      | 37,020              | 18,029                        | 71,199,422               |
| 1946 . . . . . | 1,100,000,000a   | 44,967              | 24,462a                       | 101,364,636              |
| 1947 . . . . . | 1,200,000,000a   | 49,946              | 24,026a                       | 129,477,995              |
| 1948 . . . . . | 1,300,000,000a   | 51,924              | 25,047a                       | 151,662,761              |
| 1949 . . . . . | 1,375,000,000a   | 52,050              | 26,416a                       | 157,703,868              |
| 1950 . . . . . | 1,440,000,000a   | 52,343              | 27,511a                       | 169,246,531              |
| 1951 . . . . . | 1,525,000,000a   | 57,291              | 26,618a                       | 213,169,906              |
| 1952 . . . . . | 1,625,000,000a   | 57,803              | 28,112a                       | 225,353,327              |

Woods labour is not included.

a: 1943 was the last year in which the Dominion Bureau of Statistics compiled the figures on capital investment. The figures for 1946-52 are Canadian Pulp and Paper Association estimates. These may be conservative, for Taxation Statistics, 1951, of the Department of National Revenue, covering the 1950 taxation year, show that 74 pulp and paper companies had total assets of \$2,157,157,000. Current liabilities were \$322,894,000. On this basis, the capital employed in these 74 companies was \$1,834,263,000 in 1950. While the taxation statistics cover 74 pulp and paper companies, there are a few other companies not included in the statistics.

Source: Dominion Bureau of Statistics.

Table 83.

## Estimated Wages Paid and Numbers Employed in 1952

|                                                                                |               |
|--------------------------------------------------------------------------------|---------------|
| <b>Wages</b>                                                                   |               |
| Mill Workers . . . . .                                                         | \$225,353,327 |
| Wood Workers* . . . . .                                                        | 143,346,000   |
| <b>Workers</b>                                                                 |               |
| Seasonal woods workers on manufacturers' limits east of the Rockies . . . . .  | 162,000       |
| Permanent woods workers on manufacturers' limits east of the Rockies . . . . . | 4,800         |
| Woods workers in B.C., mostly permanent . . . . .                              | 5,000         |
| Woods workers cutting wood for sale to manufacturers . . . . .                 | 74,400        |
| Mill Workers, permanent . . . . .                                              | 246,200       |
|                                                                                | 57,803        |
|                                                                                | 304,003       |

\* Includes an estimated \$34,633,000 to the 74,400 woods workers cutting pulpwood for sale to the mills. Includes also those working for contractors cutting pulpwood on pulp and paper company limits. The terms of pulpwood cutting contracts are of an infinite variety ranging from those in which the contractor and his men are company employees to those in which the contractor is a free agent. Some companies cut all the wood required from their own limits.

Source: Woodlands Section, Canadian Pulp and Paper Association estimate.



Table 84.  
Growth in Employment and Wages

|                               | 1915         | 1952          | % increase |
|-------------------------------|--------------|---------------|------------|
| Mill Workers . . . . .        | 15,300       | 57,803        | 277.8      |
| Wages and salaries paid : . . | \$11,000,000 | \$225,353,327 | 1,948.7    |

The average wage paid mill workers in 1952 was \$3,669 while the average salary was \$5,069.

Source: Dominion Bureau of Statistics.

Table 85.  
Domestic Trade 1952

|                                                            | Pulp and Paper  | Paper         |
|------------------------------------------------------------|-----------------|---------------|
| Gross value of production . . . . .                        | \$1,157,763,629 | \$838,105,108 |
| Exports . . . . .                                          | 913,999,811     | 622,136,313   |
| For domestic market . . . . .                              | \$ 243,763,818  | \$215,968,795 |
| Per cent of production retained for domestic use . . . . . | 21.1            | 25.8          |

Source: Dominion Bureau of Statistics.

Table 86.  
Principal Expenditures 1952

|                                            |                 |
|--------------------------------------------|-----------------|
| Transportation† . . . . .                  | \$ 200,000,000  |
| Chemicals & mill supplies* . . . . .       | 96,885,602      |
| Fuel* . . . . .                            | 47,181,642      |
| Electricity* . . . . .                     | 29,558,115      |
| Fibre and fibre stock* . . . . .           | 14,162,402      |
| Purchased pulpwood** . . . . .             | 79,445,607      |
| Foodst† . . . . .                          | 18,000,000      |
| Fodder† . . . . .                          | 3,500,000       |
| Taxes & other pay'ts to Gov'ts† . . . . .  | 200,000,000     |
| Wages, including woods workers** . . . . . | 368,699,327     |
|                                            | \$1,057,432,695 |

† Canadian Pulp and Paper Association Estimate.

\* Dominion Bureau of Statistics figures.

\*\* Expenditures for purchased pulpwood in 1952 totalled \$114,078,607 from which has been deducted \$34,633,000 covering the estimated wages paid in harvesting this wood. The latter figure is included in the \$368,699,327 shown as wages. See also Table 83.

Table 87.  
Purchases of Mill Supplies 1952

|                                                     |              |
|-----------------------------------------------------|--------------|
| Chemicals, minerals, size, glue, dyes, etc. . . . . | \$42,743,020 |
| Pulp stones . . . . .                               | 731,615      |
| Machine clothing (woollen felts) . . . . .          | 12,630,947   |
| Miscellaneous supplies . . . . .                    | 27,534,442   |
| Mill wrapping and packing material . . . . .        | 7,679,553    |
| Wire mesh (fourdrinier & cylinder) . . . . .        | 5,566,025    |
|                                                     | \$96,885,602 |

Source: Dominion Bureau of Statistics.

Table 88.  
Fuel Purchased 1952

|                                                               |              |
|---------------------------------------------------------------|--------------|
| Quebec . . . . .                                              | \$19,312,161 |
| Ontario . . . . .                                             | 13,159,795   |
| British Columbia . . . . .                                    | 5,956,159    |
| Newfoundland, New Brunswick, Nova Scotia & Manitoba . . . . . | 8,753,527    |
|                                                               | \$47,181,642 |

Source: Dominion Bureau of Statistics.

Table 89.  
Electricity Purchased 1952

|                                                   |              |
|---------------------------------------------------|--------------|
| Quebec . . . . .                                  | \$19,533,035 |
| Ontario . . . . .                                 | 6,513,026    |
| British Columbia . . . . .                        | 734,058      |
| New Brunswick, Nova Scotia and Manitoba . . . . . | 2,777,996    |
|                                                   | \$29,558,115 |

Note: In addition to purchased electricity the pulp and paper mills own hydro-electric plants which furnished 4,063,131,530 kilowatt hours of electricity to the mills in 1952.

Source: Dominion Bureau of Statistics.

Table 90.  
Car Loadings and Revenue Freight Carried

|                                                                                                                                | Car Loadings<br>Calendar Year<br>1953 |        | Revenue Freight*<br>Carried Calendar<br>Year 1953 |        |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------|---------------------------------------------------|--------|
|                                                                                                                                | Carloads                              | %      | Tons                                              | %      |
| Pulp and paper . . . . .                                                                                                       | 223,662                               | 5.60   | 6,371,608                                         | 5.31   |
| Pulpwood . . . . .                                                                                                             | 165,914                               | 4.16   | 5,776,271                                         | 4.81   |
|                                                                                                                                | 389,576                               | 9.76   | 12,147,879                                        | 10.12  |
| Other forest products . . . . .                                                                                                | 284,842                               | 7.13   | 8,964,296                                         | 7.47   |
|                                                                                                                                | 674,418                               | 16.89  | 21,112,175                                        | 17.59  |
| Agricultural Products                                                                                                          |                                       |        |                                                   |        |
| Grain . . . . .                                                                                                                | 522,763                               | 13.10  | 26,567,556                                        | 22.13  |
| Grain Products . . . . .                                                                                                       | 136,659                               | 3.42   | 3,140,964                                         | 2.61   |
| Other Agricultural Products                                                                                                    | 77,003                                | 1.93   | 1,979,627                                         | 1.65   |
|                                                                                                                                | 736,425                               | 18.45  | 31,688,147                                        | 26.39  |
| Animal Products . . . . .                                                                                                      | 97,351                                | 2.44   | 1,242,863                                         | 1.04   |
| Mineral Products                                                                                                               |                                       |        |                                                   |        |
| Coal . . . . .                                                                                                                 | 256,325                               | 6.42   | 11,037,693                                        | 9.19   |
| Coke . . . . .                                                                                                                 | 27,094                                | 0.68   | 1,037,705                                         | 0.86   |
| Ores and Concentrates . . . . .                                                                                                | 184,185                               | 4.61   | 9,997,519                                         | 8.32   |
| Non-ferrous Metals . . . . .                                                                                                   | 31,284                                | 0.78   | 1,301,091                                         | 1.08   |
| Agricultural Implements,<br>Tractors, Automobiles,<br>Trucks & Parts . . . . .                                                 | 106,381                               | 2.67   | 884,041                                           | 0.74   |
| Machinery, Boilers,<br>Castings and other Iron<br>& Steel Products . . . . .                                                   | 92,619                                | 2.32   | 2,443,179                                         | 2.03   |
| Gasoline, Fuel Oil and<br>other Petroleum Products                                                                             | 279,928                               | 7.01   | 8,015,010                                         | 6.67   |
| Sand, Gravel, Stone,<br>Cement, Plaster, Lime,<br>Brick, Tile, Sewer &<br>Drain Pipes, and other<br>Mineral Products . . . . . | 361,540                               | 9.06   | 17,801,536                                        | 14.83  |
|                                                                                                                                | 1,339,356                             | 33.55  | 52,517,774                                        | 43.74  |
| Other Products                                                                                                                 |                                       |        |                                                   |        |
| Sugar, Canned Goods,<br>Beverages . . . . .                                                                                    | 54,759                                | 1.37   | 1,393,915                                         | 1.16   |
| Fertilizers . . . . .                                                                                                          | 41,322                                | 1.03   | 1,556,334                                         | 1.30   |
| Miscellaneous . . . . .                                                                                                        | 243,375                               | 6.10   | 8,454,342                                         | 7.04   |
|                                                                                                                                | 339,456                               | 8.50   | 11,404,591                                        | 9.50   |
| Merchandise, L.C.L. . . . .                                                                                                    | 805,410                               | 20.17  | 2,094,381                                         | 1.74   |
| Total Revenue Cars Loaded                                                                                                      | 3,992,416                             | 100.00 | 120,059,931                                       | 100.00 |

\* Loaded at stations in Canada.

Note: Car loadings of pulp and paper and pulpwood in 1953 were equivalent to 612 cars and 455 cars respectively, every day in the year. A proportion of the pulpwood car loadings 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 2,500 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.



Table 91.

**Payrolls and Weekly Earnings  
in Important Industries  
1952**

| Industry                                   | Average<br>Number of<br>Employees | Average<br>Weekly<br>Payrolls | Average<br>Weekly<br>Earnings |
|--------------------------------------------|-----------------------------------|-------------------------------|-------------------------------|
| Pulp & Paper . . . . .                     | 58,697                            | \$4,219,727                   | \$71.89                       |
| Non-ferrous metal products* . . . . .      | 49,692                            | 3,179,221                     | 63.96                         |
| Chemical products* . . . . .               | 51,599                            | 3,135,155                     | 60.76                         |
| Meat products . . . . .                    | 23,007                            | 1,376,279                     | 59.82                         |
| Shipbuilding & repairing . . . . .         | 22,593                            | 1,347,447                     | 59.64                         |
| Automobiles, parts & accessories . . . . . | 52,761                            | 3,510,928                     | 66.54                         |
| Electrical apparatus & supplies . . . . .  | 66,230                            | 4,032,880                     | 60.83                         |
| Primary iron & steel . . . . .             | 37,067                            | 2,504,279                     | 67.56                         |
| Rubber products . . . . .                  | 19,904                            | 1,142,549                     | 57.36                         |
| Aircraft & parts . . . . .                 | 31,734                            | 2,129,846                     | 66.76                         |

Note: Compiled from monthly returns received from establishments employing 15 persons or more. Pulp and paper payrolls do not include woods workers.

\* Includes the manufacture of non-ferrous metal products, as well as the smelting and refining of non-ferrous metals.

\*\* Includes all classes of chemical manufactures.

Source: Dominion Bureau of Statistics.

Table 92.

**Power Utilization**

| in 000's of kwh including off-peak power                         |            |            |           |
|------------------------------------------------------------------|------------|------------|-----------|
|                                                                  | 1950       | 1951       | 1952      |
| Generated by Central Electric Stations for                       |            |            |           |
| Pulp and paper industry . . . . .                                | 8,456,863  | 9,230,524  | 9,929,112 |
| Other industries . . . . .                                       | 20,200,234 | 22,855,924 | a         |
| Mining companies . . . . .                                       | 2,265,868  | 2,616,543  | a         |
| Domestic customers (homes and farms) . . . . .                   | 6,750,303  | 7,726,114  | a         |
| Commercial customers, street lighting and free service . . . . . | 3,980,196  | 4,339,900  | a         |
| Export . . . . .                                                 | 1,925,867  | 2,375,522  | 2,474,722 |
| Line losses, etc. . . . .                                        | 4,914,367  | 5,707,317  | a         |
|                                                                  | 48,493,718 | 54,851,844 | a         |
| Generated for own use by                                         |            |            |           |
| Pulp and paper industry . . . . .                                | 3,949,244  | 3,932,662  | 4,063,132 |
| Other industries . . . . .                                       | 2,316,807  | 2,436,432  | a         |
| Mining companies . . . . .                                       | 264,232    | 212,832    | a         |
| Total electricity generated . . . . .                            | 55,024,001 | 6,581,926  | a         |
| Less: Exports . . . . .                                          | 1,925,867  | 2,375,522  | 2,474,722 |
| Line losses, etc. . . . .                                        | 4,914,367  | 5,707,317  | a         |
|                                                                  | 48,183,767 | 53,350,931 | a         |
| Plus: Imports . . . . .                                          | 2,591      | 8,956      | 18,310    |
| Canadian consumption . . . . .                                   | 48,185,117 | 53,359,887 | a         |

a: Not available.

Note: The power consumption of the pulp and paper mills accounts for over 26 per cent of all the power generated for industry and for mining. Of the power generated by industry for its own use, the pulp and paper mills accounted for 63 per cent in 1950 and 61.7 per cent in 1951. Of the total consumption of electricity in Canada, the pulp and paper mills accounted for 25.7 per cent in 1950 and 24.7 per cent in 1951. There are several single paper mills which alone consume more electric power than all the domestic customers in Montreal combined, indeed which use more power than is required to provide light for the city and all its residents. There are single pulp and paper mills which use half as much power as that consumed by all the industries in the Montreal area.

Source: Dominion Bureau of Statistics.

Table 93.

**Exports 1953**

| Ex gold in millions of dollars              |           |     |
|---------------------------------------------|-----------|-----|
|                                             | Value     | %   |
| Forest products . . . . .                   | \$1,295.4 | 31  |
| Agricultural & vegetable products . . . . . | 1,096.8   | 27  |
| Animal & animal products . . . . .          | 250.9     | 6   |
| All others . . . . .                        | 1,474.3   | 36  |
|                                             | \$4,117.4 | 100 |

Source: Dominion Bureau of Statistics.

Table 94.

**Canadian Exports 1953**

| Ex gold in millions of dollars                     |           |  |
|----------------------------------------------------|-----------|--|
| Wood, Wood Products, and Paper . . . . .           | \$1,295.4 |  |
| Pulp and Paper . . . . .                           | \$887.8   |  |
| Pulp . . . . .                                     | \$248.7   |  |
| Newsprint . . . . .                                | 619.8     |  |
| Other Paper . . . . .                              | 17.2      |  |
| Paper Goods . . . . .                              | 2.1       |  |
| Pulpwood . . . . .                                 | 42.7      |  |
| Planks and Boards . . . . .                        | 282.7     |  |
| Other Wood Products . . . . .                      | 82.2      |  |
| Agricultural and Vegetable Products . . . . .      | 1,096.8   |  |
| Wheat . . . . .                                    | 567.9     |  |
| Other Grains . . . . .                             | 224.7     |  |
| Flour of Wheat . . . . .                           | 102.2     |  |
| Alcoholic Beverages . . . . .                      | 66.2      |  |
| Other Vegetable Products . . . . .                 | 135.8     |  |
| Animal and Animal Products . . . . .               | 250.9     |  |
| Iron and its Products . . . . .                    | 358.4     |  |
| Vehicles, chiefly of iron . . . . .                | 80.9      |  |
| Farm Implements and Machinery . . . . .            | 74.3      |  |
| Other Machinery . . . . .                          | 37.3      |  |
| Ferro-alloys . . . . .                             | 17.2      |  |
| Other Iron and Steel Products . . . . .            | 148.7     |  |
| Non-ferrous Metals and their Products . . . . .    | 682.2     |  |
| Chemicals and Allied Products . . . . .            | 137.9     |  |
| Non-metallic Minerals and their Products . . . . . | 147.4     |  |
| Fibres, Textiles and Textile Products . . . . .    | 24.3      |  |
| Miscellaneous Commodities . . . . .                | 124.1     |  |
| Total . . . . .                                    | \$4,117.4 |  |

Source: Dominion Bureau of Statistics.

Table 95.

**Pulp, Paper and Mining 1953**

|                                                             |                  |
|-------------------------------------------------------------|------------------|
| Gross value of pulp and paper production . . . . .          | \$1,100,000,000e |
| Mineral production of Canada                                |                  |
| Gold . . . . .                                              | \$139,826,286    |
| Other metallics . . . . .                                   | 569,086,549      |
| Coal, gas, peat, petroleum . . . . .                        | 311,235,192      |
| Other non-metallics . . . . .                               | 127,457,625      |
| Clay products, cement, lime, stone, sand & gravel . . . . . | 183,605,851      |
|                                                             | \$1,331,211,503  |

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics, preliminary estimate.



Table 96.

## Ten Leading Canadian Industries 1952

|                                         | Gross Value of Production |        | Salaries and Wages |        | Employment |      | Net Value of Production |        |
|-----------------------------------------|---------------------------|--------|--------------------|--------|------------|------|-------------------------|--------|
|                                         | '000 \$                   | Rank b | '000 \$            | Rank b | No.        | Rank | '000 \$                 | Rank b |
| Pulp and Paper                          | 1,157,888                 | 1      | 225,353            | 1      | 57,803     | 2    | 584,101                 | 1      |
| Slaughtering and Meat Packing           | 849,337                   | 2      | 70,996             | 13     | 22,697     | 16   | 142,094                 | 12     |
| Non-ferrous Metal Smelting and Refining | 837,074                   | 3      | 87,964             | 7      | 24,608     | 13   | 266,722                 | 3      |
| Motor Vehicles                          | 767,355                   | 4      | 113,607            | 4      | 31,102     | 7    | 267,100                 | 2      |
| Petroleum Products                      | 634,736                   | 5      | 44,795             | 26     | 11,766     | 34   | 187,459                 | 6      |
| Sawmills                                | 560,668                   | 6      | 140,351            | 2      | 61,032     | 1    | 256,123                 | 4      |
| Primary Iron and Steel                  | 506,594                   | 7      | 124,358            | 3      | 34,847     | 4    | 236,012                 | 5      |
| Butter and Cheese                       | 377,673                   | 8      | 48,628             | 25     | 20,377     | 22   | 88,791                  | 27     |
| Railway Rolling Stock                   | 332,137                   | 9      | 108,341            | 6      | 36,088     | 3    | 145,800                 | 9      |
| Rubber Goods                            | 286,121                   | 10     | 65,350             | 16     | 21,548     | 19   | 162,047                 | 7      |

a: Covers only mill workers; the inclusion of the men permanently employed in the woods places pulp and paper first, instead of second, in employment.

b: Rank in Canadian industry as a whole.

Source: Compiled by C.P.P.A. from D.B.S. "Preliminary Statement of Manufactures, 1952".

Table 97.

## Net Value of Canadian Production

| PRIMARY PRODUCTION:         | 1951       | 1952        |                                             | 1951      | 1952       |
|-----------------------------|------------|-------------|---------------------------------------------|-----------|------------|
|                             | '000 \$    | '000 \$     |                                             | '000 \$   | '000 \$    |
| Agriculture                 | 2,685,435  | 2,495,686e  | Bridge and other structural steel           | 59,903    | 76,308     |
| Forestry*                   | 484,264    | 505,572e    | Wire and wire goods                         | 67,289    | 66,195     |
| Fisheries                   | 102,027    | 92,012e     | Machinery, household, office and store      | 51,156    | 56,759     |
| Trapping                    | 19,792     | 14,138e     | Boilers and plate work                      | 46,829    | 53,456     |
| Mining                      | 770,143    | 820,145e    | Heating and cooking apparatus               | 36,817    | 48,352     |
| Electric Power              | 363,643    | 389,462e    | Transportation Equipment                    | 657,424   | 778,348    |
| Total, Primary Production   | 4,425,304  | 4,317,013e  | Motor vehicles                              | 271,114   | 267,100    |
|                             |            |             | Railway rolling stock                       | 119,895   | 145,761    |
|                             |            |             | Aircraft and parts                          | 79,404    | 127,297    |
|                             |            |             | Motor vehicle parts                         | 117,021   | 127,222    |
|                             |            |             | Shipbuilding                                | 58,456    | 96,738     |
| SECONDARY PRODUCTION:       |            |             | Non-ferrous Metal Products                  | 406,617   | 414,920    |
| Manufactures                | 6,940,947  | 7,440,872e  | Non-ferrous metal smelting and refining     | 262,973   | 266,721    |
| Construction                | 1,568,179  | 1,751,656e  | Brass and copper products                   | 56,176    | 61,127     |
| Total, Secondary Production | 8,509,126  | 9,192,428e  | Aluminum products                           | 42,392    | 43,969     |
| Grand Total                 | 12,934,430 | 13,509,441e | Clothing (Textile and Fur)                  | 370,672   | 405,241e   |
|                             |            |             | Men's factory clothing                      | 106,308   | 125,015e   |
|                             |            |             | Women's factory clothing                    | 95,098    | 102,598e   |
|                             |            |             | Hosiery                                     | 39,814    | 40,092e    |
|                             |            |             | Other knitted goods                         | 43,709    | 43,674e    |
|                             |            |             | Textile Products (Except Clothing)          | 337,936   | 309,636e   |
|                             |            |             | Synthetic Textiles and Silks                | 96,477    | 91,400e    |
|                             |            |             | Cotton yarn and cloth                       | 97,158    | 78,419e    |
|                             |            |             | Chemical and Allied Products                | 384,026   | 414,088    |
|                             |            |             | Acids, alkalies and salts                   | 67,456    | 65,243     |
|                             |            |             | Medicinal and pharmaceutical preparations   | 60,115    | 59,921     |
|                             |            |             | Paints and varnishes                        | 48,430    | 53,554     |
|                             |            |             | Soaps, washing compounds, etc.              | 30,943    | 48,368     |
|                             |            |             | Fertilizers                                 | 37,428    | 38,406     |
|                             |            |             | Products of Petroleum and Coal              | 179,873   | 225,826    |
|                             |            |             | Petroleum products                          | 135,903   | 178,524    |
|                             |            |             | Coke and gas products                       | 43,970    | 43,920     |
|                             |            |             | Electrical Apparatus and Supplies           | 353,603   | 395,934    |
|                             |            |             | Heavy electrical machinery                  | 123,141   | 144,997    |
|                             |            |             | Radios and radio parts                      | 43,845    | 59,454     |
|                             |            |             | Refrigerators, vacuum cleaners & appliances | 54,129    | 54,171     |
|                             |            |             | Non-metallic Mineral Products               | 195,349   | 203,693    |
|                             |            |             | Cement products                             | 27,772    | 34,816     |
|                             |            |             | Cement                                      | 26,632    | 32,664     |
|                             |            |             | Glass products                              | 30,819    | 32,695     |
|                             |            |             | Leather Products                            | 84,885    | 101,311    |
|                             |            |             | Footwear, leather                           | 52,010    | 62,281     |
|                             |            |             | Tobacco and Tobacco Products                | 59,033    | 70,777     |
|                             |            |             | Tobacco, cigars and cigarettes              | 53,245    | 64,865     |
|                             |            |             | Rubber Products                             | 161,185   | 162,493    |
|                             |            |             | Miscellaneous Manufacturing Industries      | 120,900   | 135,203    |
|                             |            |             |                                             | 6,940,947 | 7,440,872e |

\* Excludes value of forestry production originating on farm wood lots which is included with agriculture.

e: Preliminary estimates.

Notes: The term "production" in this Table is used in its popularly accepted sense as applied to such processes as the growing of crops, the mining of metals and other minerals, the catching of fish, the conversion of water power into electrical energy, the construction of buildings, and manufacturing and processing.

Gross value statistics, which were formerly given in this Table, have been replaced with net value statistics. While the statistics of gross production are of interest as indicating the amount of revenue produced by the corporations and other operators in the field, this total includes a large element of duplication: often the products of one industry become the materials of other industries. The net value of production for manufactures, obtained by deducting the cost of materials, fuel and electricity from the gross value, is a more accurate measure of the contribution of one industry to the national economy.

Source: Dominion Bureau of Statistics.







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