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STATISTICAL HANDBOOK

OF

CANADIAN TELECOMMUNICATIONS

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PREFACE

The purpose of this handbook is to bring together, under one cover, selected statistical information on the telecommunications sector, which may serve as a quick source of reference for departmental personnel. As a prototype this issue has a number of deficiencies, including the omission of selected statistics pertaining to the radio and television broadcasting industry and to CATV. It is our intention to produce an annual version of the handbook and comments on items for future inclusion are invited.

The statistics contained herein have been compiled from published sources of the Dominion Bureau of Statistics and from the World's Telephones, published by A & T Long Lines. The source material of each table contained herein has been carefully documented and users of the handbook should refer back to the original source for related material not included here, and for details of the concepts, definitions, sample surveys and sample design.

Statistical & Information Services
National Telecommunications Branch
May, 1971

GENERAL CONTENTS

	<u>Page</u>
GENERAL STATISTICS - Canadian Telecommunications Sector	1
SELECTED STATISTICS - Canadian Telegraph and Cable Companies	9
SELECTED STATISTICS - Canadian Telephone Companies	23
WORLD TELEPHONE STATISTICS -	46
MISCELLANEOUS STATISTICS	60

LIST OF TABLES

<u>No.</u>		<u>Page</u>
 <u>General Statistics - Canadian Telecommunications Sector</u>		
1 -	Accumulative Cost of Property and Equipment Before Depreciation, Telecommunications Sector, Canada, 1960, 1965 - 1969	2
2 -	Accrued Depreciation on Property and Equipment, Telecommunications Sector, Canada, 1960, 1965 - 1969	3
3 -	Depreciated Value of Property and Equipment, Telecommunications Sector, Canada 1960, 1965 - 1969	4
4 -	Number Employed, Telecommunications Sector, Canada, 1960, 1965 - 1969	5
5 -	Value of Wages and Salaries Paid, Telecommunications Sector, Canada, 1960, 1965 - 1969	6
6 -	Total Operating Expenditures, Telecommunications Sector, Canada, 1960 - 1965 - 1969	7
7 -	Total Operating Revenues, Telecommunications Sector, Canada, 1960, 1965 - 1969	8
 <u>Selected Statistics - Canadian Telegraph and Cable Companies</u>		
8 -	Summary Statistics, Telegraph and Cable Companies, Canada, 1960, 1965 - 1969	10
9 -	Total Number of Offices, Telegraph and Cable Companies, Canada, 1960, 1965 - 1969	11
10 -	Total Telegram Statistics, Telegraph and Cable Companies, Canada, 1960, 1965 - 1969	12
11 -	Money Transfers, Telegraph and Cable Companies, Canada, 1960, 1965 - 1969	13
12 -	Cablegrams Transmitted, Telegraph and Cable Companies, Canada, 1960, 1965 - 1969	14

<u>No.</u>		<u>Page</u>
13 -	Total Messages Handled by Marine Radio Stations of the Canada Department of Transport, 1960, 1965 - 1969	15
14 -	Total Channel and Circuit Mileage Telegraph and Cable Companies, Canada, 1960, 1965 - 1969	16
15 -	Total Pole Line Mileage Telegraph and Cable Companies, Canada, 1960, 1965 - 1969	17
16 -	Total Wire and Cable Mileage Telegraph and Cable Companies, Canada, 1960, 1965 - 1969	18
17 -	Value of Construction and Repair Work in the Telegraph and Cable Industry, Canada, 1960, 1965 - 1969	19
18 -	Cost of Plant Before Depreciation, Selected Telegraph and Cable Companies, 1968 and 1969	20
19 -	Cost of Plant After Depreciation, Selected Telegraph and Cable Companies, 1968 and 1969	21
20 -	Total Operating Revenue, Selected Telegraph and Cable Companies, 1968 and 1969	22
 <u>Selected Statistics - Canadian Telephone Companies</u>		
21 -	Summary Statistics, Telephone Companies, Canada, 1960, 1965 - 1969	24
22 -	Total Telephone Calls by Province, 1960, 1965 - 1969	25
23 -	Total Long Distance Telephone Calls by Provinces, 1960, 1965 - 1969	26
24 -	Total Local Telephone Calls, by Province, 1960, 1965, 1969	27
25 -	Total Telephone Calls Per Capita, by Provinces, 1960, 1965 - 1969	28
26 -	Total Calls Per Telephone, by Province, 1960, 1965 - 1969	29
27 -	Long Distance Calls Per Telephone by Provinces, 1960, 1965 - 1969	30

<u>No.</u>		<u>Page</u>
28 -	Local Calls Per Telephone, by Provinces, 1960, 1965, 1969	31
29 -	Long Distance Calls to Foreign Countries, Canada, 1960, 1965 - 1969	32
30 -	Conductor Miles of Toll Lines of the Telephone Industry, Canada, 1960, 1965 - 1969	33
31 -	Conductor Miles of Exchange Lines of the Telephone Industry, Canada, 1960, 1965 - 1969	34
32 -	Long Distance Microwave and High Frequency Radio Communication Media, Canada, 1960, 1965 - 1969	35
33 -	Teletypewriters on Private Lines and Connected to Teletypewriter Exchanges, Canada, 1960, 1965 - 1969	36
34 -	Telephones, on Automatic Switchboards, Operated by Central Energy, and with Direct Distance Dialing, by Province, 1969	37
35 -	Numbers of Telephones Per Exchange having Populations of 25,000 and over, 1969	38
36 -	Cost of Plant Before Depreciation, Member Companies, Telephone Association of Canada, 1968 and 1969	43
37 -	Cost of Plant After Depreciation, Member Companies, Telephone Association of Canada, 1968 and 1969	44
38 -	Total Operating Revenue, Member Companies Telephone Association of Canada, 1968 and 1969	45

World Telephone Statistics

39 -	Twelve Countries Reporting the Highest Number of Telephone Conversations Per Person, 1969	47
40 -	Telephones by Continental Area	48
41 -	Telephones by Continental Area and by Country	49
42 -	Telephones in the World's Principal Cities	57

No.

Page

Miscellaneous Statistics

43 -	Population by Provinces, Canada, 1960, 1965 - 1969	61
44 -	Gross National Product at Market Prices, Canada, 1960, 1965 - 1969	62
45 -	Total Annual Public and Private Capital Expenditures, on Construction, Machinery, and Equipment, Canada, 1960, 1965 - 1969	63
46 -	Total Annual Capital Expenditures, on Construction, Machinery, and Equipment in the Telecommunications Sector, Canada 1960, 1965 - 1969	64
47 -	Households with Telephones Canada, 1960, 1966 - 1970	65

GENERAL STATISTICS

CANADIAN TELECOMMUNICATIONS SECTOR

Telegraph and Cable

Telephone

Radio and Television Broadcasting

Cable Antenna Television

Table 1

ACCUMULATIVE COST OF PROPERTY AND EQUIPMENT BEFORE
DEPRECIATION, TELECOMMUNICATIONS SECTOR, CANADA, 1960, 1965 - 1969

	Telegraph and Cable	Telephone	Radio & Television Broadcasting	CATV	Total Telecommunications Sector
	in thousands of dollars				
1969	545,695	5,988,211	348,713	100,669	6,983,288
1968	519,950	5,467,326	321,177	72,900	6,381,353
1967	494,486	5,010,999	300,343	50,799	5,856,627
1966	474,826	4,544,522	270,617	n/a	5,289,965
1965	447,295	4,127,387	223,589	n/a	4,798,271
1960	267,385	2,692,484	n/a	n/a	2,959,869

Source: The Dominion Bureau of Statistics
Catalogue No's. 56-201, 56-203, 56-204, 56-205

Table 2

ACCRUED DEPRECIATION ON PROPERTY AND EQUIPMENT,
TELECOMMUNICATIONS SECTOR, CANADA, 1960, 1965 - 1969

	Telegraph and Cable	Telephone	Radio & Television Broadcasting	CATV	Total Telecommunications Sector
	in thousands of dollars				
1969	178,586	1,490,981	165,965	29,010	1,864,542
1968	161,459	1,346,712	143,110	23,979	1,675,260
1967	147,921	1,200,589	131,258	16,654	1,496,422
1966	133,297	1,069,432	116,499	n/a	1,319,228
1965	115,381	955,313	103,330	n/a	1,174,024
1960	47,580	556,972	n/a	n/a	604,552

Source: The Dominion Bureau of Statistics
Catalogue No's. 56-201, 56-203, 56-204, 56-205

Table 3

DEPRECIATED VALUE OF PROPERTY AND EQUIPMENT,
TELECOMMUNICATIONS SECTOR, CANADA, 1960, 1965 - 1969

Year	Telegraph and Cable	Telephone	Radio & Television Broadcasting	CATV	Total Telecommunications Sector
		thousands of dollars			
1969	367,109	4,497,230	182,748	71,659	5,118,746
1968	358,491	4,120,614	178,066	48,921	4,706,092
1967	346,565	3,810,410	169,085	34,145	4,360,205
1966	341,529	3,475,090	154,118	n.a.	3,970,737
1965	331,914	3,172,074	120,259	"	3,624,247
1960	219,805	2,135,512	n.a.	"	2,355,317

Source: DBS Catalogues 56-201, 56-203, 56-204, 56-205.

Table 4

NUMBER EMPLOYED, TELECOMMUNICATIONS
SECTOR, CANADA, 1960, 1965 - 1969

	Telegraph and Cable	Telephone	Radio & Television Broadcasting	CATV	Total Telecommunications Sector
		Average monthly number of employees (1)			
1969	7,860	66,578	19,541	1,601	95,580
1968	8,687	66,699	19,232	1,367	95,985
1967	8,961	68,431	18,946	1,057	97,395
1966	9,161	68,233	17,925		95,319
1965	9,270	63,467	16,892		89,629
1960	10,279	57,670	13,885		81,834

- (1) CATV, Radio and Television Broadcasting report the average monthly number of employees. Telephone, Telegraph and Cable companies report the number of full time employees on an annual basis. Conceptually the two methods are similar in that the statistic approximates the number of employees on staff at any one time during the course of the year.

Source: Dominion Bureau of Statistics, Catalogue No's. 56-201, 56-203
56-204, 56-205.

Table 5

VALUE OF WAGES AND SALARIES PAID,
TELECOMMUNICATIONS SECTOR, CANADA, 1960, 1965 - 1969

	Telegraph and Cable	Telephone	Radio & Television Broadcasting	CATV	Total Telecommunications Sector
		in thousands of dollars			
1969	58,662	479,068	172,287	9,119	719,136
1968	57,494	436,543	145,408	6,940	646,385
1967	55,815	408,066	137,101	5,203	606,185
1966	51,740	375,279	116,368		543,387
1965	48,236	335,365	102,221		485,822
1960	39,558	247,128	65,519		352,205

Source: The Dominion Bureau of Statistics
Catalogue No's. 56-201, 56-204, 56-205

Table 6

TOTAL OPERATING EXPENDITURES,
TELECOMMUNICATIONS SECTOR, CANADA, 1960, 1965 - 1969

	Telegraph and Cable 56-201	Telephone 56-203	Radio & Television Broadcasting 56-204	CATV 56-205	Total Telecommunications Sector
	in thousands of dollars				
1969	92,770 ✓	1,227,420 ✓	381,954 (1)	31,278	1,733,422
1968	86,426	1,095,763	341,260	26,434	1,549,883
1967	78,716	1,006,494	332,451	20,463	1,438,124
1966	74,684	912,453	285,051		1,272,188
1965	68,869	821,205	249,190		1,139,264
1960	45,538	549,043	157,596		752,177

Source: The Dominion Bureau of Statistics
Catalogue No's. 56-201, 56-203, 56-204, 56-205

Refer to the above for details.

Includes CBC

Table 7

TOTAL OPERATING REVENUES,
TELECOMMUNICATIONS SECTOR, CANADA, 1960, 1965 - 1969

	Telegraph and Cable	Telephone	Radio & Television Broadcasting	CATV	Total Telecommunications Sector
			in thousands of dollars		
1969	126,568	1,404,325	* 418,577 ^①	37,380	1,986,850
1968	116,666	1,268,387	371,162	31,285	1,787,500
1967	104,505	1,163,856	359,924	22,114	1,650,399
1966	95,478	1,048,837	310,424	n/a	1,454,739
1965	86,087	948,177	270,706	n/a	1,304,970
1960	58,546	627,983	163,672	n/a	850,201

Source: The Dominion Bureau of Statistics
Catalogue No's. 56-201, 56-203, 56-204, 56-205

① refers to total operating revenue including grants

operating + other inc.

*including postal
grants*

SELECTED STATISTICS

CANADIAN TELEGRAPH AND CABLE COMPANIES

In 1969 there were nine telegraph and cable companies operating in Canada:

Canadian National Telecommunications

Canadian Pacific Railway Company

Northern Alberta Railways Company

North American Telegraph Company

Ontario Northland Railway

Western Union International Incorporated

Canadian Overseas Telecommunication Corporation

Commercial Cable Company

Eastern Telephone and Telegraph Company

Table 8

SUMMARY STATISTICS, TELEGRAPH AND CABLE
COMPANIES, CANADA, 1960, 1965-1969

COST OF PROPERTY AND EQUIPMENT			
	Accumulative Value Before Depreciation	Accrued Depreciation	Depreciated Value
	in thousands of dollars		
1969	545,695	178,586	367,109
1968	519,950	161,459	358,491
1967	494,486	147,921	346,565
1966	474,826	133,297	341,529
1965	447,295	115,381	331,914
1960	267,385	47,580	219,805

Employment			Financial Operations	
	No.	Value of Wages and Salaries	Total Operating Costs	Total Operating Revenues
		in thousands of dollars		
1969	7,860	58,662	92,770	126,568
1968	8,687	57,494	86,426	116,666
1967	8,961	55,815	78,716	104,505
1966	9,161	51,740	74,684	95,478
1965	9,270	48,236	68,869	86,087
1960	10,279	39,558	45,538	58,546

Source: DBS Catalogue 56-201

Table 9

TOTAL NUMBER OF OFFICES

TELEGRAPH AND CABLE COMPANIES, CANADA, 1960, 1965 - 1969

	1969	1968	1967	1966	1965	1960
Number of offices at which telegrams or cablegrams are received and forwarded in Canada	1,558	1,603	2,054	2,547	2,992	5,413
Offices outside of Canada	3	5	5	5	6	6
Total	1,561	1,608	2,059	2,552	2,998	5,419

Source: DBS Catalogue 56-201

Table 10

TOTAL TELEGRAM STATISTICS, TELEGRAPH & CABLE COMPANIES, CANADA, 1960, 1965 - 1969

	1969	1968	1967	1966	1965	1960
Telegrams transmitted:						
Sent:						
Telegrams	5,829,463	6,873,635	6,977,549	7,817,869	8,858,453	11,373,699
Press (equated 30 words to message)	1,549,627	1,669,175	2,155,725	2,258,551	2,407,586	1,873,322
Money transfers	238,687	284,190	244,899	250,011	265,555	239,596
CND (equated 30 words to message)	503	3,022	5,272	1,389	2,295	239,473
Total	7,618,280	8,830,022	9,383,445	10,327,820	11,533,889	13,726,090
Received from the United States:						
Telegrams	731,745	710,796	932,610	979,250	1,067,068	1,652,136
Press (equated 30 words to message)	100,665	78,955	107,653	111,822	153,238	139,131
Money transfers	47,074	52,743	50,440	33,173	32,870	26,855
CND (equated 30 words to message)	421	477	760	3,784	1,520	2,080
Total	879,905	842,971	1,091,463	1,128,029	1,254,696	1,820,202
Total Telegrams transmitted:						
Telegrams	6,561,208	7,584,431	7,910,159	8,797,119	9,925,521	13,025,835
Press (equated at 30 words to message)	1,650,292	1,748,130	2,263,378	2,370,373	2,560,824	2,012,453
Money transfers	285,761	336,933	295,339	283,184	298,425	266,451
CND (equated 30 words to message)	924	3,499	6,032	5,173	3,815	241,553
Grand Total	8,498,185	9,672,993	10,474,908	11,455,849	12,788,585	15,546,292

Source: DBS Catalogue 56-201

Table 11

MONEY TRANSFERS, TELEGRAPH AND CABLE COMPANIES, CANADA, 1960, 1965 - 1969

	1969	1968	1967	1966	1965	1960 .
	dollars					
Money transfers:						
To: United States	11,325,597	10,940,306	8,162,567	7,108,858	7,459,471	6,703,621
United Kingdom	-	132,439	88,106	123,414	118,754	105,710
Other foreign countries	-	-	-	-	-	-
Total	11,325,597	11,072,745	8,250,673	7,232,272	7,578,225	6,809,331
From: United States	7,297,060	8,796,278	6,318,476	5,424,498	4,683,711	3,491,885
United Kingdom	-	-	-	-	-	-
Other foreign countries	-	-	-	-	-	-
Total	7,297,060	8,796,278	6,318,476	5,424,498	4,683,711	3,491,885
Money transfers to and from:						
United States	18,622,657	19,736,584	14,481,043	12,533,356	12,143,182	10,195,506
United Kingdom	-	132,439	88,106	123,414	118,754	105,710
Other foreign countries	-	-	-	-	-	-
Between Canadian stations	23,031,750	25,294,470	21,445,289	23,482,564	26,603,182	14,833,318
Grand Total	41,654,407	45,163,493	36,014,438	36,139,334	38,865,118	25,134,534

Source: DBS Catalogue 56-201

Table 12

CABLEGRAM TRANSMITTED, TELEGRAPH AND CABLE COMPANIES, CANADA, 1960, 1965 - 1969

	1969	1968	1967	1966	1965	1960
Cablegrams transmitted and transferred to:						
Cable Companies	1,457,365	1,579,645	1,463,296	1,422,024	1,472,735	1,197,008
Canadian Land Lines	2,110	3,004	2,477	2,235	1,521	2,220
Foreign Land Lines	-	-	-	-	-	-
Wireless Companies	-	-	-	2,969	4,365	-
Total	1,459,475	1,582,649	1,465,773	1,427,228	1,478,621	1,199,228
Messages received and transferred from:						
Cable Companies	1,240,160	1,288,699	1,263,418	1,159,241	1,089,438	931,589
Canadian Land Lines	1,818	2,267	2,107	1,733	1,245	1,786
Foreign Land Lines	-	-	-	-	-	-
Wireless Companies	-	-	-	3,108	3,319	-
Total	1,241,978	1,290,966	1,265,525	1,164,082	1,094,002	933,375
Originated in Canada:						
Received from land lines	1,908,682	1,705,480	1,375,656	1,177,094	1,071,895	745,150
Filed in cable office by sender	90,441	86,164	84,364	85,040	85,714	127,118
Terminated in Canada:						
Delivered to land lines for delivery	1,803,243	1,602,722	1,401,391	1,200,705	998,409	682,654
Delivered direct to addressee	106,096	118,386	113,327	78,327	106,558	200,004
Originated and terminated in other countries and handled at Canadian stations (not included above)	722,007	733,072	715,006	721,549	733,904	733,756
Grand total (including duplications)	7,331,922	7,119,439	6,421,042	5,854,025	5,569,103	4,621,285
Grand total (excluding duplications)	4,234,632	4,056,505	3,575,806	3,232,073	3,037,939	2,663,598

Source: DBS Catalogue 56-201

Table 13

TOTAL MESSAGES HANDLED BY MARINE RADIO STATIONS OF THE CANADA DEPARTMENT OF TRANSPORT, 1960, 1965, - 1969

	1969	1968	1967	1966	1965	1960
Commercial messages to and from ships (1)	186,631	195,097	195,109	212,827	208,361	168,019
Commercial messages to and from stations	23,675	24,664	26,935	28,365	32,569	37,552
Total	210,306	219,761	222,044	241,192	240,930	205,571

(1) Includes 35,894 radiotelephone ship/shore called in 1960, 57,012 in 1965, 60,046 in 1966, 58,150 in 1967, 58,460 in 1968 and 57,209 radiotelephone ship/shore and 414 telex messages in 1969.

Source: DBS Catalogue 56-201

Table 14

TOTAL CHANNEL & CIRCUIT MILEAGE

TELEGRAPH & CABLE COMPANIES, CANADA, 1960, 1965-1969

	1969	1968	1967	1966	1965	1960
Channel & Circuit Mileage:						
Miles of Carrier Channels:						
Telegraph	3,663,058	3,682,213	3,049,914	2,771,813	2,470,992	1,778,629
Telephone	1,385,108	1,212,600	1,105,547	1,093,064	954,966	408,629
Channels outside of Canada	1,721	1,731	1,416	1,614	1,416	17,551
Miles of telegraph circuits assigned to:						
Automatic printer	3,173,750	2,940,098	2,846,042	2,624,251	2,434,051	2,015,164
Morse	41,194	41,508	48,087	62,536	65,916	89,042
Circuits outside of Canada	2,581	1,504	1,495	1,673	2,163	24,803
Miles of telephone circuits assigned to:						
Long distance	830,606	832,552	762,916	752,653	719,882	404,867
Train dispatching	52,219	51,296	50,921	57,215	38,955	34,509
Circuits outside of Canada	1,589	884	884	866	819	3,147
Miles of cable between Canadian stations (1)						
	2,008	2,008	2,008	2,340	2,340	4,618
Miles of cable between Canadian & Foreign stations(1)						
	13,241	13,241	13,241	13,319	13,319	58,619

(1) Nautical miles.

Source: DBS Catalogue 56-201

Table 15

TOTAL POLE LINE MILEAGE

TELEGRAPH & CABLE COMPANIES. CANADA. 1960, 1965-1969

	1969	1968	1967	1966	1965	1960
Pole Line Mileage						
Owned by respondent	47,567	47,710	48,341	48,697	47,761	46,512
Leased from another Company (1)						
Telegraph company	588	600	608	608	608	1,099
Telephone company	242	218	251	250	273	165
Other companies	887	885	885	885	883	918
Pole Line mileage outside of Canada	684	684	684	706	706	564

(1) Includes space leased and also sole use.

Source: DBS Catalogue 56-201

Table 16

TOTAL WIRE AND CABLE MILEAGE

TELEGRAPH AND CABLE COMPANIES, CANADA, 1960, 1965, 1969

	1969	1968	1967	1966	1965	1960
Wire & cable mileage						
Miles of wire						
All overhead wires not in cables - copper	293,718	293,766	294,291	290,476	293,797	298,346
All overhead wires not in cables - iron (1)	138,405	143,124	145,180	142,689	140,605	131,358
Wire in cable (in service)	126,327	131,528	113,025	108,471	104,340	75,796
Total miles of wire in Canada	558,450	568,418	552,496	541,636	538,742	505,500(2)
Miles of wire outside Canada	4,779	4,858	4,858	6,017	6,017	5,140
Total wire mileage	563,229	573,276	557,354	547,653	544,759	510,640
Miles of Cable:						
Overhead	1,131	1,164	1,066	1,017	992	732
Underground	573	569	551	511	504	564
Submarine	14	24	20	19	19	72
Total miles of cable in Canada	1,718	1,757	1,637	1,547	1,515	1,368
Miles of cable outside Canada	4	2	2	2	1	1
Total miles of Cable	1,722	1,759	1,639	1,549	1,516	1,369

(1) Includes 34,852 miles of aluminium wire 1969, 34,583 miles in 1968, 34,729 miles in 1967, 32,264 miles in 1966 and 30,313 miles in 1965

(2) Includes 15,425 miles of aluminium wire
Source: DBS Catalogue 56-201

Table 17

VALUE OF CONSTRUCTION AND REPAIR WORK IN THE TELEGRAPH AND CABLE INDUSTRY, CANADA, 1960, 1965-1969

	1969	1968	1967	1966	1965	1960
			d o l l a r s			
New Construction	36,804,942	36,220,938	28,508,032	31,733,899	27,953,430	41,565,689
Alteration and maintenance repair work	10,280,935	9,851,021	9,610,159	9,332,047	8,549,282	6,207,491
Total	47,085,877	46,071,959	38,118,191	41,065,946	36,502,712	47,773,180

Source: DBS Catalogue 56-201

Table 18

COST OF PLANT BEFORE DEPRECIATION, SELECTED
TELEGRAPH AND CABLE COMPANIES, 1968 and 1969

Name of Company	Cost of Plant Before Depreciation	
	1968	1969
	dollars	
Canadian National Telecommunications	277,818,170	291,144,914
Canadian Pacific Railway Company	122,660,135	131,061,970
Canadian Overseas Telecommunication Corporation	106,530,790	111,387,932
Total Selected Companies	507,009,095	533,594,816

Source: DBS Catalogue 56-201

Table 19

COST OF PLANT AFTER DEPRECIATION, SELECTED
TELEGRAPH AND CABLE COMPANIES, 1968 and 1969

Name of Company	Cost of Plant After Depreciation	
	1968	1969
	dollars	
Canadian National Telecommunications	214,068,489	222,359,632
Canadian Pacific Railway Company	66,873,967	70,021,921
Canadian Overseas Telecommunications Corporation	70,293,684	68,302,751
Total Selected Companies	351,236,140	360,684,304

Source: DBS Catalogue 56-201

Table 20

TOTAL OPERATING REVENUE, SELECTED TELEGRAPH
AND CABLE COMPANIES, 1968 and 1969

Name of Company	Total Operating Revenue	
	1968	1969
	dollars	
Canadian National Telecommunications	54,576,000	59,161,894
Canadian Pacific Railway Company	28,811,296	31,713,189
Canadian Overseas Telecommunication Corporation	29,895,861	32,222,027
Total Selected Companies	113,283,157	123,097,110

Source: DBS Catalogue 56-201

SELECTED STATISTICS

CANADIAN TELEPHONE COMPANIES

The following statistics relate to 1,888 telephone companies, or co-operatives, operating in Canada in 1969. However, over 95% of total revenues and telephone plant were accounted for by 14 member companies of the Telephone Association of Canada (TAC). They are listed as follows:

Alberta Government Telephones

Bell Canada

British Columbia Telephone Company

Edmonton Telephones

Island Telephone Limited

Manitoba Telephone System

Maritime Telegraph & Telephone Company Limited

New Brunswick Telephone Company Limited

Newfoundland Telephone Company Limited

Northern Telephone Limited

Okanagan Telephone Company

Ontario Northland Communications

Quebec - Telephone

Saskatchewan Telecommunications

Data for Ontario Northland Communications are taken as reported under the name Ontario Northland Railway.

Table 21

SUMMARY STATISTICS, TELEPHONE COMPANIES,
CANADA, 1960, 1965-1969

	Cost of Property and Equipment		Accumulated Value After Depreciation
	Accumulative Value Before Depreciation	Accumulated Depreciation	
	in thousands of dollars		
1969	5,988,211	1,490,981	4,497,230
1968	5,467,326	1,346,712	4,120,614
1967	5,010,999	1,200,589	3,810,410
1966	4,544,522	1,069,432	3,475,090
1965	4,127,387	955,313	3,172,074
1960	2,692,484	556,972	2,135,512

	Employment		Financial Operations	
	No.	Value of Wages and Salaries	Total Operating Costs	Total Operating Revenues
		in thousands of dollars		
1969	66,578	479,068	1,227,420	1,404,325
1968	66,699	436,543	1,095,763	1,268,387
1967	68,431	408,066	1,006,494	1,163,856
1966	68,233	375,279	912,453	1,048,837
1965	63,467	335,365	821,205	948,177
1960	57,670	247,128	549,043	627,983

Source: DBS Catalogue 56-203

Table 23

TOTAL LONG DISTANCE TELEPHONE CALLS BY PROVINCES, 1960, 1965 - 1969

	1969	1968	1967	1966	1965	1960(1)
	number					
Newfoundland	5,014,339	6,634,673	3,602,659	3,664,963	3,481,771	
Prince Edward Island	2,092,089	2,006,898	1,926,229	1,738,338	1,632,196	
Nova Scotia	13,900,562	13,112,092	12,158,494	11,187,823	10,996,160	
New Brunswick	9,241,449	8,166,083	7,279,329	6,403,068	6,197,102	
Quebec (2)	294,347,741	259,871,423	240,976,418	217,876,576	206,277,062	
Manitoba	15,473,857	13,976,495	12,822,732	11,760,387	10,372,939	
Saskatchewan	18,272,181	17,359,366	16,651,004	15,453,552	14,185,142	
Alberta	38,236,383	33,872,410	32,539,221	26,228,679	22,522,848	
British Columbia (3)	37,712,951	33,007,315	29,458,005	29,011,916	25,948,849	
Total	434,291,552	388,006,755	357,414,091	323,325,302	301,614,069	

(1) Comparable statistics not available.

(2) Includes data of Bell Canada which operates in Newfoundland, Quebec, Ontario and the Northwest Territories.

(3) Includes data for the Yukon and the Northwest Territories.

Source: DBS Catalogue 56-203

Table 22

TOTAL TELEPHONE CALLS BY PROVINCE, 1960(1), 1965 - 1969

	1969	1968	1967	1966	1965	1960
	number					
Newfoundland	405,158,339	355,033,256	313,635,523	234,401,463	222,027,771	161,795,000
Prince Edward Island	62,383,098	59,346,770	54,835,242	53,248,400	50,454,196	32,413,000
Nova Scotia	557,169,027	528,297,632	498,246,886	472,587,053	441,442,160	340,650,000
New Brunswick	393,301,541	375,138,123	355,042,618	355,238,880	334,319,102	215,173,000
Quebec & Ontario (2)	9,119,918,838	8,766,839,818	8,127,680,795	7,902,095,414	7,500,348,062	5,496,694,000
Manitoba	968,448,581	927,473,005	883,330,853	869,454,470	816,751,939	706,012,000
Saskatchewan	684,096,422	666,714,705	645,719,786	627,572,074	614,729,142	424,489,000
Alberta	1,375,351,674	1,298,268,114	1,210,609,737	1,360,745,855	1,289,089,848	1,033,336,000
British Columbia(3)	1,465,123,060	1,404,496,635	1,321,427,296	1,294,159,276	1,170,694,849	9,180,200,000
Total	15,030,950,580	14,381,608,058	13,410,528,736	13,169,502,885	12,439,857,069	9,328,582,000

- (1) Statistics for 1960 have been reported by system rather than province. They have been combined here as follows: Newfoundland (Avalon Telephone Co.); Prince Edward Island (Island Telephone Co.); Nova Scotia (Maritime Tel. & Tel. Co.); New Brunswick (New Brunswick Telephone Co.); Quebec and Ontario (Bell Telephone Co., Québec Téléphone, Fort William Municipal Telephone System, Northern Telephone Co. and Port Arthur Municipal Telephone System); Manitoba (Manitoba Telephone System); Saskatchewan (Saskatchewan Systems); Alberta (Alberta Government Telephones and Edmonton Telephone System); British Columbia (British Columbia Telephone Co., North-West Telephone Co., Okanagan Telephone Co.).
- (2) 1965-1969 includes data of Bell Canada, which operates in Newfoundland, Québec, Ontario and the Northwest Territories.
- (3) 1965-1969 includes data for the Yukon and the Northwest Territories.

Source: DBS Catalogue 56-203

Table 24

TOTAL LOCAL TELEPHONE CALLS, BY PROVINCE, 1960, 1965 - 1969

	1969	1968	1967	1966	1965	1960(1)
	number					
Newfoundland	400,144,000	348,398,583	310,032,864	230,736,500	218,546,000	
Prince Edward Island	60,291,009	57,339,872	52,909,013	51,510,062	48,822,000	
Nova Scotia	543,268,465	515,185,540	486,088,392	461,399,230	430,446,000	
New Brunswick	384,060,092	366,972,040	347,763,289	348,835,812	328,122,000	
Quebec (2)	8,825,571,097	8,506,968,395	7,886,704,377	7,684,218,838	7,294,071,000	
Manitoba	952,974,724	913,496,510	870,508,121	857,694,083	806,379,000	
Saskatchewan	665,824,241	649,355,339	629,068,782	612,118,522	600,544,000	
Alberta	1,337,115,291	1,264,395,704	1,178,070,516	1,334,517,176	1,266,567,000	
British Columbia (3)	1,427,410,109	1,371,489,320	1,291,969,291	1,265,147,360	1,144,746,000	
Total	14,596,659,028	13,993,601,303	13,053,114,645	12,846,177,583	12,138,243,000	

(1) Comparable statistics not available.

(2) Includes data of Bell Canada which operates in Newfoundland, Quebec, Ontario and Northwest Territories.

(3) Includes data for the Yukon and the Northwest Territories.

Source: DBS Catalogue 56-203

Table 25

TOTAL TELEPHONE CALLS PER CAPITA, BY PROVINCES, 1960, 1965 - 1969

	1969	1968	1967	1966	1965	1960(1)
			number			
Newfoundland	785	693	625	472	443	
Prince Edward Island	567	540	499	489	467	
Nova Scotia	728	692	656	626	582	
New Brunswick	631	599	570	575	534	
Quebec (2)	672	656	618	612	598	
Manitoba	990	950	913	907	852	
Saskatchewan	721	694	673	656	645	
Alberta	868	839	801	922	885	
British Columbia (3)	692	677	649	657	623	
Total	707	687	650	650	628	

(1) Comparable statistics not available.

(2) Includes data of Bell Canada which operates in Newfoundland, Québec, Ontario and Northwest Territories.

(3) Includes data for the Yukon and the Northwest Territories.

Table 26

TOTAL CALLS PER TELEPHONE, BY PROVINCE, 1960, 1965 - 1969

	1969	1968	1967	1966	1965	1960(1)
	number					
Newfoundland	3,186	2,935	2,915	2,493	2,522	
Prince Edward Island	1,928	1,932	1,858	1,904	1,905	
Nova Scotia	2,047	2,035	2,010	2,033	1,970	
New Brunswick	1,825	1,810	1,271	1,929	1,930	
Quebec and Ontario (2)	1,476	1,494	1,457	1,498	1,506	
Manitoba	2,319	2,318	2,320	2,371	2,327	
Saskatchewan	1,915	1,913	1,921	1,956	2,023	
Alberta	1,978	2,010	2,006	1,481	2,395	
British Columbia (3)	1,490	1,513	1,512	1,586	1,538	
Total	1,617	1,631	1,605	1,668	1,671	

(1) Comparable statistics not available.

(2) Includes data of Bell Canada which operates in Newfoundland, Quebec, Ontario and the Northwest Territories.

(3) Includes data for the Yukon and the Northwest Territories.

Source: DBS Catalogue 56-203

Table 27

LONG DISTANCE CALLS PER TELEPHONE BY PROVINCES, 1960, 1965 - 1969

	1969	1968	1967	1966	1965	1960 (1)
			number			
Newfoundland	41	56	33	39	40	
Prince Edward Island	65	66	65	62	62	
Nova Scotia	52	51	49	48	49	
New Brunswick	43	40	37	35	35	
Quebec and Ontario (2)	48	45	43	41	41	
Manitoba	37	35	59	32	30	
Saskatchewan	60	58	50	48	47	
Alberta	57	54	54	45	42	
British Columbia (3)	38	36	34	36	34	
Total	47	44	43	41	41	

(1) Comparable statistics not available.

(2) Includes data of Bell Canada which operates in Newfoundland, Québec, Ontario and Northwest Territories.

(3) Includes data for the Yukon and the Northwest Territories.

Source: DBS Catalogue 56-203.

Table 28

LOCAL CALLS PER TELEPHONE, BY PROVINCES, 1960, 1965 - 1969

	1969	1968	1967	1966	1965	1960(1)
			number			
Newfoundland	3,145	2,879	2,882	2,454	2,482	
Prince Edward Island	1,863	1,866	1,793	1,842	1,843	
Nova Scotia	1,995	1,984	1,961	1,985	1,921	
New Brunswick	1,782	1,770	1,234	1,894	1,895	
Quebec and Ontario (2)	1,428	1,449	1,414	1,457	1,465	
Manitoba	2,282	2,283	2,261	2,339	2,297	
Saskatchewan	1,855	1,855	1,871	1,908	1,976	
Alberta	1,921	1,956	1,952	2,436	2,353	
British Columbia(3)	1,452	1,477	1,478	1,550	1,504	
Total	1,570	1,587	1,562	1,627	1,630	

(1) Comparable statistics not available.

(2) Includes data of Bell Canada which operates in Newfoundland, Québec, Ontario and Northwest Territories.

(3) Includes data for the Yukon and the Northwest Territories.

Source: DBS Catalogue 56-203

Table 29

LONG DISTANCE CALLS TO FOREIGN COUNTRIES, CANADA,
1960, 1965 - 1969

	Completed calls originated in Canada and terminated in					
	1969	1968	1967	1966	1965	1960
			number			
United States	26,265,086	23,288,869	21,004,820	18,771,893	16,664,101	11,929,701
United Kingdom	275,734	251,386	208,333	177,209	126,963	61,257
Other European Countries	245,405	189,091	143,212	107,694	86,434	33,683
Mexico	47,541	41,703	33,846	27,381	22,364	6,632
Bahamas	53,658	43,433	27,447	23,365	19,172	4,750
Bermuda	26,053	16,476	13,140	11,180	12,120	3,841
South America	11,663	7,446	7,085	4,240	3,800	2,172
Asia	7,432	34,952	28,796	10,771	7,922	1,336
Australia	45,795	21,995	26,383	12,928	9,577	2,429
Barbados and British West Indies	31,061	20,672	13,164	7,064	6,802	1,091
Cuba	463	728	1,312	1,298	1,683	1,676
Africa	5,149	2,428	2,312	1,492	1,371	655
Central America	2,211	2,254	1,892	2,045	980	334
Other	137,372	100,237	75,517	53,008	44,486	6,932
Total	27,154,623	24,021,670	21,587,259	19,211,568	17,007,775	12,056,489

Source: DBS Catalogue 56-203

Table 30

CONDUCTOR MILES OF TOLL LINES OF THE TELEPHONE
INDUSTRY, CANADA, 1960, 1965 - 1969

	Aerial Wire	Wire in Cable (1)					Total Exchange Lines
		Aerial	Buried	Under- ground	Sub- marine	Total	
1969	1,300,520	984,073	760,274	638,041	3,391	2,385,779	3,686,299
1968	405,954	846,906	701,425	529,133	3,429	2,080,893	2,486,847
1967	383,083	758,138	665,550	529,006	5,042	1,957,736	2,340,819
1966	346,979	748,107	615,414	519,330	3,985	1,886,836	2,233,815
1965	361,879	929,713	812,861	601,700	5,018	2,349,292	2,711,171
1960	n/a	n/a	n/a	n/a	n/a	n/a	n/a

(1) If cable contains toll lines and exchange lines,
it is counted as a toll line.

Source: DBS Catalogue 56-203

Table 31

CONDUCTOR MILES OF EXCHANGE LINES OF THE
TELEPHONE INDUSTRY, CANADA, 1960, 1965 - 1969

	Aerial Wire	Wire in Cable (1)					Total Exchange Lines
		Aerial	Buried	Under- ground	Sub- marine	Total	
1969	1,742,006	16,247,083	6,077,763	25,216,860	168,111	47,709,817	49,451,823
1968	1,722,867	15,002,027	5,372,852	23,407,591	118,110	43,900,580	45,623,447
1967	1,593,006	13,940,173	5,480,601	20,507,247	97,608	40,025,629	41,618,635
1966	990,521	12,801,806	5,276,816	19,189,609	93,597	37,361,828	38,352,349
1965	995,634	11,647,202	4,131,952	17,099,391	81,207	32,959,752	33,955,386
1960	n/a	n/a	n/a	n/a	n/a	n/a	n/a

(1) If cable contains toll lines and exchange lines,
it is counted as a toll line

Source: DBS Catalogue 56-203

Table 32

LONG DISTANCE MICROWAVE AND HIGH FREQUENCY RADIO COMMUNICATION MEDIA, CANADA,
1960, 1965 - 1969

	Microwave Radio Relay Systems (1)		High Frequency Radio Systems	
	Route Miles	Channel Miles	Number of Systems	Number of Exchanges Served
1969	29,871	913,793	55	95
1968	35,414	695,725	68	106
1967	24,298	512,685	84	120
1966	22,413	414,766	51	97
1965	21,276	1,042,138	70	121
1960	n/a	n/a	n/a	n/a

(1) Includes Tropospheric Scatter Systems

Source: DBS Catalogue 56-203

Table 33

TELETYPEWRITERS ON PRIVATE LINES AND CONNECTED TO
TELETYPEWRITER EXCHANGES, CANADA, 1960, 1965 - 1969

	Teletypewriters	
	On Private Lines	Connected to Teletypewriter Exchanges
1969	6,211	3,835
1968	5,999	3,254
1967	5,874	2,842
1966	6,076	2,436
1965	6,151	2,105
1960	n/a	n/a

Source: DBS Catalogue 56-203

Table 34

TELEPHONES, ON AUTOMATIC SWITCHBOARDS, OPERATED BY CENTRAL ENERGY,
AND WITH DIRECT DISTANCE DIALING, BY PROVINCE, 1969.

	On Automatic Switchboards		Operated by central energy		With direct distance dialing	
	Number	Per cent of total	Number	Per cent of total	Number	Per cent of total
Newfoundland	122,690	96.5	126,745	99.6	-	-
Prince Edward Island	23,863	73.8	23,863	73.8	-	-
Nova Scotia	244,315	89.7	247,152	90.8	167,592	61.5
New Brunswick	212,129	98.4	212,129	98.4	148,445	68.9
Québec	2,489,976	99.2	2,507,043	99.9	1,988,523	79.2
Ontario	3,643,215	99.3	3,659,088	99.7	2,944,420	80.3
Manitoba	395,513	94.7	400,281	95.9	307,396	73.6
Saskatchewan	335,227	93.4	335,227	93.4	262,021	73.0
Alberta	692,370	99.5	693,632	99.6	596,565	85.7
British Columbia	982,920	99.8	982,920	99.9	876,869	89.2
Yukon	5,884	100.0	5,884	100.0	-	-
Northwest Territories	7,706	100.0	7,706	100.0	-	-
TOTAL	9,155,808	98.5	9,201,670	99.0	7,291,831	78.4

Source: DBS Catalogue 56-203

Table 35

NUMBERS OF TELEPHONES PER EXCHANGE HAVING POPULATIONS OF 25,000 AND OVER, 1969.

Exchange	Telephones	Population (1)
	Number	
Newfoundland		
Cornerbrook	9,688	31,000
St. John's	39,997	104,000
Prince Edward Island		
Charlottetown	13,341	30,700
Nova Scotia		
Glace Bay	7,691	31,200
Halifax and Dartmouth	99,053	205,000
New Glasgow	12,025	32,500
Sydney	17,990	52,000
New Brunswick		
Fredericton	24,088	41,000
Moncton	34,131	72,500
Saint John	41,704	90,000
Québec		
Alma	9,892	29,500
Beloeil	10,129	25,100
Chateauguay	13,847	32,300
Chicoutimi	22,009	57,500
Chomedey	24,795	57,700
Drummondville	17,318	47,200
Gatineau	8,162	27,600
Granby	16,597	45,500
Hull (2)	-	-
Joliette	14,168	36,000
Jonguière	14,319	50,500
Lachine	41,264	74,400
Lévis	17,173	45,300

Table 35 (Cont'd)

NUMBERS OF TELEPHONES PER EXCHANGE HAVING POPULATIONS OF 25,000 and OVER, 1969 (contd.)

Exchange	Telephones	Population (1)
	Number	
Longueuil	34,271	85,600
Montréal	990,110	1,810,600
Pointe-aux-Trembles	15,020	37,900
Pointe-Claire	27,817	46,000
Pont-Viau	29,595	73,200
Québec	178,997	383,000
Rimouski et Banlieue	12,699	25,000
Rouyn-Noranda	12,502	29,860
Roxboro	15,746	38,300
St. Eustache	10,684	27,900
St. Hyacinthe	15,992	40,800
St-Jean	22,186	57,300
St-Jérôme	16,895	42,500
St-Lambert	38,753	90,000
St-Paul L'Ermite	9,313	26,400
Ste-Rose	16,053	36,600
Ste-Thérèse	12,821	33,100
Shawinigan	16,090	47,800
Sherbrooke	42,998	94,000
Sorel	15,635	41,500
Thetford	10,435	27,100
Trois-Rivières	41,841	108,200
Valleyfield	15,535	40,400
Victoriaville	9,639	26,100
Ontario		
Agincourt	29,347	57,500
Barrie	18,248	36,200
Belleville	22,319	44,500
Brampton	27,567	60,200

Table 35 (Cont'd)

NUMBERS OF TELEPHONES PER EXCHANGE HAVING POPULATIONS OF 25,000 AND OVER, 1969 (contd.)

Exchange	Telephones	Population (1)
	Number	
Brantford	32,774	70,700
Britannia	20,673	40,500
Burlington	35,347	83,700
Chatham	22,411	49,500
Clarkson	11,753	28,400
Cooksville	33,295	67,900
Cornwall	21,724	53,000
Fort William	27,644	50,744
Galt	18,571	43,000
Guelph	32,546	65,800
Hamilton	152,530	332,000
Kingston	47,926	90,500
Kitchener-Waterloo	75,728	142,500
London	116,839	225,000
New Toronto-Islington	100,907	179,000
Niagara Falls	31,302	72,000
North Bay	23,353	45,100
Oakville	26,955	54,900
Orillia	13,722	31,400
Oshawa	43,911	100,100
Ottawa (3)	256,275	414,500
Owen Sound	12,410	26,100
Peterborough	32,456	70,000
Port Arthur	26,289	56,200
Port Credit	20,011	41,200
Richmond Hill	9,544	26,600
St. Catharines	57,779	134,000
St. Thomas	15,407	35,000
Sarnia	34,629	76,900
Sault Ste. Marie	33,698	75,000

Table 35 (Cont'd)

NUMBER OF TELEPHONES PER EXCHANGE HAVING POPULATIONS OF 25,000 AND OVER, 1969 (contd.)

Exchange	Telephones	Population (1)
	Number	
Scarborough	94,157	206,000
Stratford	13,353	26,200
Sudbury	41,376	97,000
Timmins	13,362	40,121
Toronto	673,518	1,073,900
Trenton	10,683	25,700
Welland	19,513	49,100
West Hill	23,352	60,900
Weston	149,560	305,600
Willowdale-Don Mills	129,245	231,300
Windsor	97,902	208,000
Woodstock	13,967	30,400
Manitoba		
Brandon	16,716	31,450
Winnipeg	273,944	523,000
Saskatchewan		
Moose Jaw	16,049	33,500
Prince Albert	13,199	28,000
Regina	75,055	141,000
Saskatoon	68,662	124,950
Alberta		
Calgary	217,156	369,025
Edmonton	204,083	376,225
Jasper Place	20,308	46,193
Lethbridge	21,941	38,749
Medicine Hat	12,912	25,713
Red Deer	13,478	26,924

Table 35 (Cont'd)

NUMBER OF TELEPHONES PER EXCHANGE HAVING POPULATIONS OF 25,000 AND OVER, 1969 (contd.)

Exchange	Telephones	Population (1)
	Number	
British Columbia		
Chilliwack	12,906	34,576
Cloverdale	13,508	34,219
Haney	9,914	27,452
Kamloops	19,208	43,500
Nanaimo	17,712	38,156
New Westminster	56,140	141,434
Newton	11,638	33,912
North Vancouver	40,915	91,482
Port Alberni	11,226	26,294
Port Moody	19,859	55,244
Prince George	21,753	49,100
Richmond	25,420	58,553
Vancouver	327,517	566,599
Victoria	93,089	193,139
West Vancouver	21,358	38,024
Total 119 exchanges	6,542,552	13,017,938
Total Canada	9,296,048	21,260,000

(1) Population figures for exchanges are obtained from telephone companies.

(2) Included with Ottawa as one exchange

(3) Includes Hull

Source: DBS Catalogue 56-203

Table 36

COST OF PLANT BEFORE DEPRECIATION, MEMBER COMPANIES,
TELEPHONE ASSOCIATION OF CANADA, 1968 and 1969

TAC Member	Cost of Plant Before Depreciation	
	1968	1969
	dollars	
Bell Canada	3,279,224,272	3,593,443,180
British Columbia Telephone Company	585,569,536	645,098,900
Alberta Government Telephones	420,508,342	476,406,341
Manitoba Telephone System	256,224,366	278,466,342
Saskatchewan Telecommunications	202,533,233	217,707,821
Maritime Telegraph & Telephone Company Limited	159,475,188	172,101,198
The New Brunswick Telephone Company Limited	146,461,480	159,076,755
Québec-Téléphone	103,527,966	112,483,093
Newfoundland Telephone Company Limited	50,393,805	55,379,535
Edmonton Telephones	42,135,498	50,472,150
Okanagan Telephone Company	23,496,749	26,075,859
Northern Telephone Limited	23,363,512	19,876,991
The Island Telephone Company Limited	15,508,471	16,775,678
Ontario Northland Communications	1,435,099	1,506,759
Total, TAC Members	5,309,857,517	5,824,870,602

Recent changes in name: The Avalon Telephone Company Limited to
Newfoundland Telephone Company Limited, and
Saskatchewan Government Telephones to
Saskatchewan Telecommunications

Data for Ontario Northland Communications are taken as reported under
the name Ontario Northland Railway.

Source: DBS Catalogue 56-201 and 56-202

Table 37

COST OF PLANT AFTER DEPRECIATION, MEMBER COMPANIES,
TELEPHONE ASSOCIATION OF CANADA, 1968 and 1969

TAC Member	Cost of Plant After Depreciation	
	1968	1969
	dollars	
Bell Canada	2,435,593,551	2,654,523,481
British Columbia Telephone Company	457,925,495	495,167,171
Alberta Government Telephones	332,742,660	374,148,884
Manitoba Telephone System	179,231,804	197,409,752
Saskatchewan Telecommunications	142,546,063	150,498,999
Maritime Telegraph & Telephone Company Limited	120,985,531	129,333,827
The New Brunswick Telephone Company Limited	111,201,549	119,247,622
Québec Téléphone	87,366,296	93,870,410
Newfoundland Telephone Company Limited	43,281,483	46,769,269
Edmonton Telephones	31,325,525	not available
Okanagan Telephone Company	17,745,248	20,242,574
Northern Telephone Limited	15,652,216	13,009,734
The Island Telephone Company Limited	11,691,179	12,577,858
Ontario Northland Communications	880,759	902,137
Total TAC Members	3,988,169,359	-

Recent changes in name: The Avalon Telephone Company Limited to
Newfoundland Telephone Company Limited and
Saskatchewan Government Telephones to
Saskatchewan Telecommunications

Data for Ontario Northland Communications are taken as reported under
the name Ontario Northland Railway.

Source: DBS Catalogues 56-201 and 56-202

Table 38

TOTAL OPERATING REVENUE, MEMBER COMPANIES
TELEPHONE ASSOCIATION OF CANADA, 1968 and 1969

TAC Member	Total Operating Revenue	
	1968	1969
	dollars	
Bell Canada	758,477,957	842,090,131
British Columbia Telephone Company	134,405,462	152,560,820
Alberta Government Telephones	86,755,471	98,847,686
Manitoba Telephone System	47,233,795	52,523,209
Saskatchewan Telecommunications	43,265,574	47,094,799
Maritime Telegraph & Telephone Company Limited	35,207,617	38,390,039
The New Brunswick Telephone Company Limited	31,965,092	35,332,002
Québec Téléphone	20,801,889	23,933,087
Newfoundland Telephone Company Limited	11,675,793	13,261,627
Edmonton Telephones	15,858,852	18,469,250
Okanagan Telephone Company	4,983,888	5,482,961
Northern Telephone Limited	4,207,489	3,937,493
The Island Telephone Company Limited	3,274,002	3,588,910
Ontario Northland Communications	305,108	317,955
Total, TAC Members	1,198,417,989	1,335,829,969

Recent changes in name: The Avalon Telephone Company, Limited to
Newfoundland Telephone Company Limited, and
Saskatchewan Government Telephones to
Saskatchewan Telecommunications.

Data for Ontario Northland Communications are taken as reported under
the name Ontario Northland Railway.

Source: DBS Catalogue 56-201 and 56-202

WORLD TELEPHONE STATISTICS

Table 39

**TWELVE COUNTRIES REPORTING THE HIGHEST NUMBER OF
TELEPHONE CONVERSATIONS PER PERSON, 1969.**

Area	Local	Long Distance	Total	Average per person
United States	144,673,000	6,831,000	151,504,000	745.0
Canada	14,565,958	403,858	14,969,816	709.8
Sweden	4,445,000	763,000	5,208,000	649.9
Iceland	122,833	8,276	131,109	645.9
Bahama Islands	90,421	514	90,935	466.3
Denmark	1,322,987	488,005	1,810,992	368.8
Hong Kong (1)	-	-	1,411,040	353.6
Switzerland	986,086	1,112,090(2)	2,098,176	336.8
Japan	27,925,000	6,547,836	34,472,836	335.9
Gibraltar	8,376	96	8,472	313.8
Liechtenstein	2,954	3,547(2)	6,501	309.6
Monaco	3,550	3,402	6,952	302.3

(1) Local and interurban data converted from pulses, using 3.25 pulses per conversation. Total only indicated, as no separation between local and interurban data has been furnished.

(2) Three-minute units.

Source: The World's Telephones, AT&T Long Lines, January 1, 1970.

Table 40

TELEPHONES BY CONTINENTAL AREA (1)

Continent	Number 1970	per cent of World	per 100 Population
North America	124,105,000	48.6	54.7
Middle America	2,512,000	1.0	2.8
South America	5,308,000	2.1	2.8
Europe	83,714,000	32.8	12.9
Africa	3,136,000	1.2	0.9
Asia (2)	31,019,000	12.2	1.5
Oceania	5,406,000	2.1	27.4
World	255,200,000	100.0	7.1

(1) Data are as at January 1, 1970

(2) These data include allowances for Asiatic parts of Turkey and the U.S.S.R.

Source: The World's Statistics, A T & T Long Lines, January 1, 1970.

Table 41

TELEPHONES BY CONTINENTAL AREA AND BY COUNTRY (1)

Area	Total Telephones	per 100 Population
NORTH AMERICA		
Canada	9,302,828	43.76
Greenland	2,946	6.14
St. Pierre & Miquelon	819	14.89
United States (2)	114,798,000	56.38
MIDDLE AMERICA		
Bahama Islands	53,880	26.41
Barbados	26,078	10.23
Bermuda (3)	28,094	52.03
British Honduras	2,405	2.00
Cayman Islands	1,338	11.15
Costa Rica	56,261	3.26
Cuba	263,166	3.16
Dominican Rep.	40,174	0.95
El Salvador	35,495	1.03
Guadaloupe	11,374	3.49
Guatemala	38,489	0.76
Haiti	N/A	-
Honduras	12,511	0.49
Jamaica	66,643	3.44
Leeward Islands:		
Antigua	1,450	2.27
Montserrat	730	4.87
St. Kitts-Nevis-Anguilla	1,595	2.80
Total	3,775	2.78
Martinique	15,862	4.78
México	1,327,702	2.67
Netherlands Antilles	26,000	11.82
Nicaragua	N/A	-
Panama (includes Canal Zone (3))	72,900	4.91
Puerto Rico	302,214	10.91
Trinidad & Tobago	51,670	4.92

Table 41 (Cont'd)

TELEPHONES BY CONTINENTAL AREA AND BY COUNTRY (1) (contd.)

Area	Total Telephones	per 100 Population
Turks & Caicos Islands	316	5.27
Virgin Islands (U.K)	956	9.10
Virgin Islands (U.S)	18,171	28.75
Windward Islands:		
Dominica	1,007	1.34
Grenada	2,677	2.53
St. Lucia	2,684	2.42
St. Vincent	N/A	-
Total	6,368	2.18
 SOUTH AMERICA		
Argentina	1,668,408	6.90
Bolivia	37,551	0.77
Brazil	1,787,000	1.94
Chile	348,258	3.60
Colombia	545,851	2.63
Ecuador	94,300	1.57
Falkland Islands & Deps.	482	24.10
French Guiana	4,201	8.57
Guyana	13,560	1.80
Paraguay	21,225	0.91
Peru	192,604	1.44
Surinam	10,000	2.57
Uruguay	206,600	7.18
Venezuela	377,662	3.70
 EUROPE		
Albania	N/A	-
Andorra	1,641	8.64
Austria	1,334,339	18.07
Belgium	1,936,814	20.05

Table 41 (Cont'd)

TELEPHONES BY CONTINENTAL AREA AND BY COUNTRY (1) (contd)

Area	Total Telephones	per 100 Population
Bulgaria	414,113	4.89
Channel Islands:		
Guernsey & Dops.	21,812	46.41
Jersey	29,359	40.78
Total	51,171	43.00
Czechoslovakia	1,895,229	13.12
Denmark	1,599,952	32.45
Finland	1,089,700	23.13
France	8,114,041	16.05
German Dem. Rep.	1,986,190	11.61
Germany, Fed.Rep. of	12,456,268	20.36
Gibraltar (3)	5,645	20.91
Greece	881,003	9.96
Hungary	777,739	7.54
Iceland	67,973	33.48
Ireland	287,108	9.83
Italy	8,528,354	15.98
Liechtenstein	9,529	45.38
Luxembourg	105,531	31.31
Malta (5)	32,839	10.39
Monaco	14,808	64.38
Netherlands	3,120,766	24.09
Norway	1,090,662	28.20
Poland	1,756,248	5.38
Portugal	698,075	7.27
Rumania	N/A	-
San Marino	2,397	12.62
Spain	4,126,363	12.46
Sweden	4,306,905	53.74
Switzerland	2,846,535	45.38
Turkey	513,569	1.48
United Kingdom (5)	13,947,000	24.96
U.S.S.R.	N/A	-
Yugoslavia	622,939	3.05

Table 41 (Cont'd)

TELEPHONES BY CONTINENTAL AREA AND BY COUNTRY (1) (contd)

Area	Total Telephones	per 100 Population
ASIA		
Afghanistan	N/A	-
Bahrain	10,833	5.13
Bhutan	N/A	-
Brunei	3,819	3.24
Burma	24,654	0.09
Cambodia	8,024	0.12
Ceylon	60,841	0.49
China, Mainland	N/A	-
China, Taiwan	338,803	2.37
Cyprus	42,461	6.73
Hong Kong	502,374	12.45
India	1,159,519	0.21
Indonesia	182,319	0.16
Iran	286,220	1.01
Iraq (5)	119,650	1.25
Israel	457,721	16.00
Japan (5)	23,131,688	22.41
Jordan	N/A	-
Korea North	N/A	-
Korea, Republic of	562,111	1.80
Kuwait	57,973	9.91
Laos	1,148	0.04
Lebanon	N/A	-
Macao	5,250	2.02
Malaysia:		
East Malaysia:		
Sabah	10,426	1.62
Sarawak	12,188	1.27
West Malaysia	146,212	1.60
Total	168,826	1.58

Table 41 (Cont'd)

TELEPHONES BY CONTINENTAL AREA AND BY COUNTRY (1) (contd.)

Area	Total Telephones	per 100 Population
Maldives, Rep. of	236	0.22
Mongolia	17,830	1.42
Muscat and Oman	785	0.14
Nepal	3,640	0.03
Pakistan	193,493	0.17
Philippines	293,543	0.78
Portuguese Timor	679	0.11
Qatar	9,399	9.40
Ryukyu Islands (3)	71,465	7.22
Saudi Arabia	N/A	-
Sikkim	N/A	-
Singapore (3)	136,267	6.70
Southern Yemen	9,410	0.76
Syrian Arab Republic	103,687	1.74
Thailand	134,663	0.38
Trucial Oman (6)	6,762	4.97
Viet-Nam, North	N/A	-
Viet-Nam, Republic of	33,996	0.19
West Irian	2,778	0.30
Yemen	1,900	0.04
AFRICA		
Algeria	169,188	1.25
Angola	25,315	0.46
Ascension Island (3)	311	22.21
Botswana	3,536	0.55
Burundi	3,415	0.10
Cameroon	5,852	0.10
Cape Verde Islands	627	0.25
Central African Republic	N/A	-
Chad	4,177	0.12
Comoro Islands	482	0.18

Table 11 (Cont'd)

TELEPHONES BY CONTINENTAL AREA AND BY COUNTRY (1) (contd.)

Area	Total Telephones	per 100 Population
Congo, Rep. of the (Brazzaville)	9,812	1.11
Congo, Dem. Rep. of (Kinshasa)	22,092	0.13
Dahomey	N/A	-
Equatorial Guinea	N/A	-
Ethiopia	41,106	0.16
French Territory of Afars & Issas	2,325	1.86
Gabon	6,694	1.37
Gambia	1,586	0.44
Ghana	53,934	0.63
Guinea	N/A	-
Ifni	41	0.07
Ivory Coast	N/A	-
Kenya	72,277	0.69
Lesotho	1,995	0.21
Liberia	6,051	0.52
Libyan Arab Republic	34,790	1.83
Madagascar	25,258	0.38
Malawi	11,519	0.26
Mali	N/A	-
Mauritania	N/A	-
Mauritius & Deps.	16,793	2.02
Morocco	153,662	1.01
Mozambique	24,408	0.33
Niger	3,298	0.08
Nigeria	81,440	0.13
Portuguese Guinea	1,789	0.34
Réunion	13,887	3.15
Rhodesia	122,129	2.36
Rwanda	1,433	0.04
St. Helena	160	3.20
Sao Tomé & Príncipe	568	0.86
Sénégal	29,264	0.76

Table 41 (Cont'd)

TELEPHONES BY CONTINENTAL AREA AND BY COUNTRY (1) (contd.)

Area	Total Telephones	per 100 Population
Seychelles	615	1.20
Sierra Leone	6,193	0.24
Somali Republic	N/A	-
South Africa	1,482,299	7.34
South West Africa	32,122	5.18
Spanish North Africa	10,332	6.26
Spanish Sahara	N/A	-
Sudan	45,539	2.97
Swaziland	4,822	1.15
Tanzania	31,587	0.24
Togo	4,567	0.25
Tunisia	68,908	1.36
Uganda	27,666	0.29
United Arab Republic	N/A	-
Upper Volta	1,398	0.03
Zambia	51,958	1.28
OCEANIA		
Australia (7)	3,598,692	29.27
British Solomon Islands	1,053	0.69
Caroline Islands	610	0.97
Christmas Islands (7)	214	6.48
Cocos (Keeling) Islands	94	9.40
Cook Islands	523	2.62
Fiji Islands	16,789	3.19
Gilbert & Ellice Islands	165	0.29
Guam	23,097	26.58
Mariana Islands (less Guam)	900	8.18
Marshall Islands	4,030	16.79
Midway Islands	1,250	59.52
Nauru, Republic of	381	5.44

Table 41 (Cont'd)

TELEPHONES BY CONTINENTAL AREA AND BY COUNTRY (1) (contd.)

Area	Total Telephones	per 100 Population
New Caledonia	8,073	8.15
New Hebrides	650	0.80
New Zealand (5)	1,202,590	42.63
Niue Island	172	3.44
Norfolk Island	71	7.10
Ocean Island	98	5.44
Papua and New Guinea	18,998	0.79
Pitcairn Island	17	18.89
Polynesia, French	6,391	6.09
Samoa, American	2,500	8.99
Samoa, Western	1,838	1.29
Tonga (Friendly) Islands	936	1.11
United States: Hawaii	423,970	53.40
Wake Island	485	24.25

(1) Data are at January 1, 1970.

(2) Excludes data for Hawaii which are shown under Oceania. About two-thirds of the estimated number of governmentally operated telephones are in the State of Alaska.

(3) Data exclude telephone systems of the armed forces.

(4) Main telephones only.

(5) Data are as at March 31 of the year indicated.

(6) Data are as of September 30 of the year preceding that indicated.

(7) Data are as of June 30 of the year preceding that indicated.

Table 42

TELEPHONES IN THE WORLD'S PRINCIPAL CITIES (1)

Country & City (2)	Number of Telephones	Population	Telephones per 100 pop.
Argentina		thousands	
Buenos Aires, F.C.(b)	780,078	3,450	22.6
Buenos Aires, Greater, (a)	1,033,219	7,630	13.5
Australia			
Sydney (b)	947,237	2,713	34.9
Canada			
Montreal (a)	990,110	1,811	54.7
France			
Paris (a)	2,490,974	6,112	40.8
Paris (b)	1,700,577	2,812	60.5
Italy			
Rome (b)	1,011,965	2,551	39.7
Milan (b)	921,451	1,686	54.7

Table 42 (Cont'd)

TELEPHONES IN THE WORLD'S PRINCIPAL CITIES (1) (contd.)

Country & City (2)	Number of Telephones	Population	Telephones per 100 Pop.
		thousands	
Japan			
Osaka (a)	1,916,078	7,378	26.0
Osaka (b)	1,086,976	2,953	36.8
Tokyo (a)	4,033,647	11,443	35.2
Tokyo (b)	3,533,122	8,954	39.5
Spain			
Madrid	906,907	3,037	29.9
United Kingdom			
London (b)	3,451,400	7,703	44.8
United States			
Chicago, Ill. (b)	2,326,426	3,629	64.1
Cleveland, Ohio (a)	921,025	1,418	64.9
Detroit, Mich. (a)	1,368,474	2,279	60.0
Houston, Texas (a)	914,349	1,383	66.1
Los Angeles, Cal. (extended area) (a)	4,819,127	6,989	69.0

Table 42 (Cont'd)

TELEPHONES IN THE WORLD'S PRINCIPAL CITIES (1) (contd.)

Country & City	Number of Telephones	Population	Telephones per 100 pop.
		thousands	
Minneapolis-St. Paul, Minn. (a)	1,087,900	1,609	67.6
New York, N.Y. (b)	5,904,933	7,991	73.9
Philadelphia, Pa. (b)	1,482,610	2,040	72.7

(1) Data are as at January 1, 1970

(2) In general, data are for telephone exchange or zone areas, the boundaries of which are not necessarily coterminous with those of the city. The code letter appearing after the city names, where the information was available, indicates the extent of the telephone exchange in relation to the area of the city, as follows:

(a) the exchange serves the entire city, and also serves beyond the city;

(b) the exchange serves the entire city, but not beyond it.

Source: The World's Telephones, A T & T Long Lines, January 1, 1970.

MISCELLANEOUS STATISTICS

Table 43

POPULATION BY PROVINCES, CANADA, 1960, 1965 - 1969 (1)

	1969	1968	1967	1966	1965	1960
				thousands		
Newfoundland	514	507	500	493	488	448
Prince Edward Island	110	110	109	109	109	103
Nova Scotia	763	760	757	756	756	727
New Brunswick	625	624	620	617	615	589
Quebec	5,984	5,927	5,868	5,781	5,685	5,142
Ontario	7,452	7,306	7,149	6,961	6,788	6,111
Manitoba	979	971	963	963	965	906
Saskatchewan	959	960	958	955	950	915
Alberta	1,561	1,526	1,490	1,463	1,450	1,291
British Columbia	2,067	2,007	1,947	1,874	1,797	1,602
Yukon	15	15	15	14	14	14
Northwest Territories	32	31	29	29	27	22
Canada	21,061	20,744	20,405	20,015	19,644	17,870

(1) Estimated as at June 1.

Source: DBS Catalogue 91-201

Table 44

GROSS NATIONAL PRODUCT AT MARKET PRICES, CANADA,
1960, 1965-1969

Millions of dollars

1969	78,537
1968	71,427
1967	62,068
1966	58,120
1965	52,203
1960	35,928

Source: DBS National Accounts, Income and Expenditure. DBS
Catalogues nos. 13-201, 13-519

Canadian Statistical Review February 1971.

Table 45

TOTAL ANNUAL PUBLIC AND PRIVATE CAPITAL EXPENDITURES, ON CONSTRUCTION, MACHINERY,
AND EQUIPMENT, CANADA, 1960, 1965-1969

	millions of dollars
1969	16,612
1968	15,455
1967	15,348
1966	15,088
1965	12,935
1960	8,328

Source: Private and Public Investment in Canada. DBS Catalogue 61-205

Table 46

TOTAL ANNUAL CAPITAL EXPENDITURES, ON CONSTRUCTION, MACHINERY,
AND EQUIPMENT IN THE TELECOMMUNICATIONS SECTOR, CANADA, (1)
1960, 1965-1969

millions of dollars	
1969 (2)	736.8
1968	661.5
1967	625.3
1966	588.6
1965	465.8
1960	379.5

(1) Excludes estimates for CATV.

(2) Includes estimates for CATV.

Source: Private and Public Investment in Canada. DBS Catalogue 61-205

Table 47

HOUSEHOLDS WITH TELEPHONES CANADA, 1960, 1966-1970
(thousands)

	1970	1969	1968	1967	1966	1960
Total households	5,646	5,514	5,394	5,034	4,938	4,404
Households with:						
one telephone	4,186	4,157	4,111	3,828	3,746	3,349
two or more telephones	1,118	1,020	891	787	718	318
Households without telephones	342	337	392	419	474	737

Source: Household Facilities and Equipment
DBS catalogue 64-202

Table

HOUSEHOLDS WITH RADIOS, CANADA, 1960, 1966-1970
(thousands)

	1970	1969	1968	1967	1966	1960
Total households	5,646	5,514	5,394	5,034	4,938	4,404
Households with						
one radio	2,154	2,213	2,280	2,151	2,257	2,796
two or more radios	3,335	3,157	2,942	2,716	2,506	1,440
Households without radios	157	144	172	167	175	168

Source: Household Facilities and Equipment
DBS catalogue 64-202