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INTRODUCTION OF TELECOMMUNICATIONS MACRO DATABASE

AND

SUBJECT MATTER INDEX

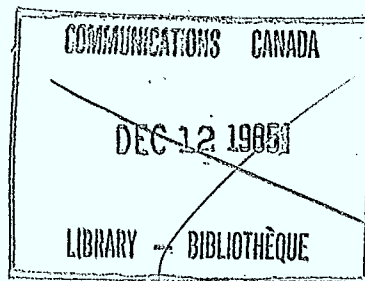
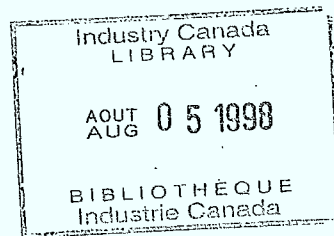
Statistical Information Services
Communications Economics Branch
Department of Communications
May, 1982

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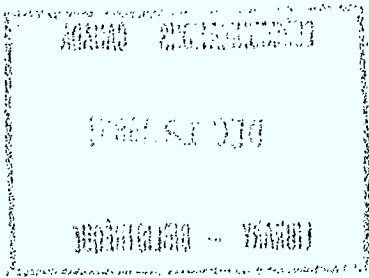
1. [INTRODUCTION OF TELECOMMUNICATIONS MACRO DATABASE

AND

SUBJECT MATTER INDEX



Statistical Information Services
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PART I INTRODUCTION

I.1 General information

The purpose of this document is to present a brief outline of the Telecommunications Macro Database and to give some examples demonstrating the capabilities of this system. In PART III, the subject Matter Index sets out a complete account of all the data items in the database. With only minimal familiarity, readers can use this index to select items and formulate queries or requests for special tabulations from the database. These requests can then be directed to the Statistical Information Services Division (DSI), attention of MR. H.Wong at 996-9885.

As suggested in the above, this document does not go so far as to provide "hands on" instruction in the use of the database system. However, to meet this particular purpose we have prepared a separate "Telecommunications Macro Database Users Manual" which can be referenced by analysts wishing direct access to the database. To obtain copies of the users manual, computer passwords and other information, please contact Mr. Wong at the above number.

I.2 Some notes on the database system

The Telecommunications Macro Database System was developed in order to meet two principal requirements:

- (1) provide a channel for quick access of current statistics on radio and TV broadcasting, cable TV, telecommunications and telephone industries.
- (2) provide analysts tools to satisfy the wide range of analysis requirements.

In order to achieve the above goals, DSI has captured detailed operating and financial data on these industries from the following Statistics Canada publications.

- 56-201 : Telecommunications Statistics
- 56-203 : Telephone Statistics
- 56-204 : Radio and Television Broadcasting
- 56-205 : Cable Television

All the data in this database are annual time series and can be used in public reports. Close to 2000 series have now been collected covering the years 1972 through 1979. DSI will maintain and update these series when new data become available. These data are stored on computer and are managed by a software package MOSAIC. (This package is developed by Informatrica Ltd.) Besides data management this package also provides different analysis procedures such as growth rate calculation, regression etc. The users manual gives a more detailed explanation on how to use this package and the MOSAIC reference manual put out by Informatrica gives a complete description of all available commands currently being supported by this package.

PART II EXAMPLES ON HOW TO USE THIS DATABASE SYSTEM

II.1 Using the mnemonics

This system makes extensive use of mnemonics. There are several good reasons:

- (1) They are easy to use.
- (2) They provide a convenient short hand method of specifying data retrievals or in stating the mathematical calculations. For example a request might be written as follows

Calculate % (WDIRPBR/WPBR)

In long hand this request would be written something as follows

For the total private broadcasting industry, calculate the percentage of directors' fees to the total remuneration as recorded in salaries and benefits.

- (3) They are exact. The entire database system has been designed using these codes. Each mnemonic is unique and retrieves only that series of data specified.
- (4) For research purposes the mnemonics facilitate ordering a lot of data on one page. The specific items can be easily penned in as aid and their use is a cost saving technique.
- (5) Using extra features it is possible to use the mnemonics to produce fully labeled reports suitable for distribution to the general public.

II.2 Example on how to retrieve and display data

This example illustrates

- (1) how to retrieve some employment statistics (e.g. wages) for private broadcasting
- (2) how to use the database subject matter index.

After one has made the decision to retrieve data from this database the first thing to do is to search the table of contents of the database Subject Matter Index, see PART III, and to locate the required data items. In this example we are looking for employment statistics of broadcasting and cable industries. Please see page 14 of the subject matter index. There are several categories and the "ACRONYMS" listed under the item of "Salaries and Fringe Benefits".

WPGM : Program/Program Origination
WTEC : Technical
WSEL : Sales and Promotion (including commissions paid to staff)
WADM : Administration and General
WDIR : Director's Fees
W : Total Remuneration

The ACRONYMS only provide the first half of the mnemonics of the variables. To complete each mnemonic we need the suffix of each variable. Since PBR is used to identify Total Private Broadcasting, we therefore attach "PBR" to the ACRONYMS and complete the mnemonics for the required variables. The retrieval can now be done for

WPGMPBR, WTECPBR, WADMPBR, WDIRPBR and WPER.

Figure.1 is the result as shown on the following page.

```

att.
LOGON
IKJ56700A ENTER USERID -
COM6201
ENTER CURRENT PASSWORD FOR COM6201-

```

FIGURE 1

Example on how to
retrieve and display
data

```

COM6201 LOGON IN PROGRESS AT 10:06:55 ON MARCH 31, 1982
NO BROADCAST MESSAGES
READY

```

```

INFMOS
NAME OF USER MOSAIC FILE(FNAME/CR):('COM62.DSI.MOSBASE')
DO YOU WISH MINIBASE ACCESS? (YES/NO):NO

```

MOSAIC SYSTEM VERSION OF 01/07/81
INFORMETRICA LIMITED RELEASE DA0781
DUTY DESK TELEPHONE (613)238-4831

```

$SET INTER=1,PWIDTH=80;
0 $SET INTER=1,PWIDTH=80;
INTER WAS 0
PWIDTH WAS 131

```

```

COMMAND :
NAMES=GROUP(WPGMPBR,WTECFBR,WSELFBR,WADMPBR,WDIRPBR,WPBR);

```

```

COMMAND :
RETR NAMES;
COMMAND :
PRINT NAMES;

```

*Total private Broadcasting
Employment Statistics - Salaries & Fringe Benefits paid, 1971-1979*

	<i>Program Origination</i>	<i>Technical</i>	<i>Sales & Promotion</i>	<i>Administration</i>	<i>Directors' fees</i>	<i>Total enumeration</i>	
	WPGMPBR	WTECFBR	WSELFBR	WADMPBR	WDIRPBR	WPBR	31/03/
1971	44928.0	9960.00	17147.0	18463.0	508.000	91006.0	
1972	49871.0	10335.00	20655.0	21275.0	339.000	102475.0	
1973	58540.0	11930.00	25011.0	24436.0	501.000	120418.0	
1974	67750.0	14158.00	29635.0	27892.0	479.000	139913.0	
1975	80694.0	16196.00	34189.0	33915.0	485.000	165478.0	
1976	94278.0	17840.00	40217.0	37898.0	641.000	190873.0	
1977	111275.0	21223.00	46570.0	41900.0	656.000	221625.0	
1978	127806.0	22617.00	51344.0	47517.0	1190.000	250473.0	
1979	148917.0	25069.00	59702.0	54066.0	1607.000	289362.0	

```

COMMAND :
$STOP;
MOSAIC END 0

```

```

0
READY
LOGOFF
COM6201 LOGGED OFF TSO AT 10:10:20 ON MARCH 31, 1982
LAST STEP COMPLETION CODE WAS USER 000

```

II.3 Example on how to manipulate time series

In this example we demonstrate that after we have retrieved the variables from the database we can perform different arithmetic manipulations. The MOSAIC package also provides built-in procedures to carry out predetermined calculations. (e.g. growth rate etc.) This specific example here is done on the cable industries. The following calculations are performed in one single job.

- . Average revenue per subscriber
- . Average expense per subscriber and average expense per household passed by cable
- . The percentage rate or number of subscribers per household by cable
- . The ratio of houses passed by cable to total number of households in the licensed area
- . Operating profit (revenue minus expense) and the ratio of operating profit to operating revenue as a percent.

The results are in Figure.2.

FIGURE 2

Example on how to
manipulate time series

```

ott
LOGON
IKJ56700A ENTER USERID -
COM6201
ENTER CURRENT PASSWORD FOR COM6201-
COM6201 LOGON IN PROGRESS AT 14:52:14 ON MARCH 31, 1982
NO BROADCAST MESSAGES
READY
INFMOS
NAME OF USER MOSAIC FILE(FNAME/CR):('COM62.DSI.MOSBASE')
DO YOU WISH MINIBASE ACCESS? (YES/NO):NO

```

MOSAIC SYSTEM VERSION OF 01/07/81
INFORMETRICA LIMITED RELEASE DA0781
DUTY DESK TELEPHONE (613)238-4831

```

$SET INTER=1,PWIDTH=80;
0 $SET INTER=1,PWIDTH=80;
INTER WAS 0
PWIDTH WAS 131
COMMAND :
RETR ROPC,NSUBC,NHFC,NHTC,XOPC;
COMMAND :
REVP'S=ROPC/NSUBC;
COMMAND :
EXPP'S=XOPC/NSUBC;
COMMAND :
EXPPC=XOPC/NHFC;
COMMAND :
PENR=NSUBC/NHFC;
COMMAND :
PWIREN=NHFC/NHTC;
COMMAND :
OPPROF=ROPC-XOPC;
COMMAND :
PROFFC=(OPPROF/ROPC)*100;
COMMAND :
PRINT ROPC,NSUBC,NHFC,NHTC,XOPC,REVP'S,EXPP'S,
CONTINUE:
EXPPC,PENR,PWIREN,OPPROF,PROFFC;

```

31/03/

	ROPC	NSUBC	NHFC	NHTC	XOPC	REVP'S	EXPP'S
1972	82464.0	1689335.	3315190.	3711649.	42510.0	0.048814	0.025164
1973	106973.0	2115866.	3715009.	4079483.	54391.0	0.050558	0.025706
1974	133433.0	2560787.	4044559.	4365580.	66488.0	0.052106	0.025964
1975	162273.0	2860937.	4318060.	4600328.	85766.0	0.056720	0.029978
1976	199215.0	3143315.	4706402.	4985304.	108148.0	0.063377	0.034406
1977	232958.0	3417223.	5051360.	5303781.	126939.0	0.068172	0.037147
1978	273223.0	3775633.	5535559.	5866336.	152748.0	0.072365	0.040456
1979	313747.0	4084198.	5942494.	6210917.	183327.0	0.076820	0.044887

	EXPPC	PENR	PWIREN	OPPROF	PROFFC
1972	0.012823	0.50957	0.89319	39954.0	48.4502
1973	0.014641	0.56955	0.91066	52582.0	49.1545
1974	0.016439	0.63314	0.92647	66945.0	50.1712
1975	0.019862	0.66255	0.93864	76507.0	47.1471
1976	0.022979	0.66788	0.94406	91067.0	45.7129
1977	0.025130	0.67650	0.95241	106019.0	45.5099
1978	0.027594	0.68207	0.94361	120475.0	44.0940

GRATES REVPS;

GRATES RANGE USED FOR REVPS ...1972 1 1979 1

REVPS	INTERCEPT T=1	SLOPE	AVERAGE ANNUAL GROWTH RATE
END POINTS = .488144743D-01	1.06692042	6.69204150	
LOG REGRESSION = .472017167D-01	1.07256300	7.25630041	
RESTRICTED L.S. = .470713588D-01	1.07342057	7.34205655	

COMMAND :

GRATES EXPFS;

GRATES RANGE USED FOR EXPFS ...1972 1 1979 1

EXPFS	INTERCEPT T=1	SLOPE	AVERAGE ANNUAL GROWTH RATE
END POINTS = .251637479D-01	1.08619133	8.61913282	
LOG REGRESSION = .235602596D-01	1.09379517	9.37951713	
RESTRICTED L.S. = .233298368D-01	1.09679204	9.67920365	

COMMAND :

GRATES EXPFC;

GRATES RANGE USED FOR EXPFC ...1972 1 1979 1

EXPFC	INTERCEPT T=1	SLOPE	AVERAGE ANNUAL GROWTH RATE
END POINTS = .128227945D-01	1.13362093	13.36209333	
LOG REGRESSION = .130513154D-01	1.13629981	13.62998058	
RESTRICTED L.S. = .133319958D-01	1.13038189	13.03818942	

COMMAND :

GRATES PENR;

GRATES RANGE USED FOR PENR ...1972 1 1979 1

PENR	INTERCEPT T=1	SLOPE	AVERAGE ANNUAL GROWTH RATE
END POINTS = .509574112	1.04366598	4.36659766	
LOG REGRESSION = .553954650	1.03885978	3.88597753	
RESTRICTED L.S. = .560782392	1.03569269	3.56926893	

COMMAND :

GRATES PWIRED;

GRATES RANGE USED FOR PWIRED ...1972 1 1979 1

PWIRED	INTERCEPT T=1	SLOPE	AVERAGE ANNUAL GROWTH RATE
END POINTS = .893185212	1.00987439	0.98743868	
LOG REGRESSION = .904376423	1.00894246	0.89424618	
RESTRICTED L.S. = .904777777	1.00882597	0.88259731	

COMMAND :

*STOP;

MOSAIC END 0

0

READY

LOGOFF

M6201 LOGGED OFF TSD AT 15:00:40 ON MARCH 31, 1982

LAST STEP COMPLETION CODE WAS USER 000

II.4 Example on the use of regressions and how to employ the CANSIM mini base

In addition to retrieve data stored on the Telecommunication macro database, the MOSAIC package has the capability to retrieve variables from the CANSIM mini base. A retrieval of a selected time series, the consumer price index (CPI), from CANSIM mini base is included in this example. We have designed this example to calculate the wage rate for the broadcasting industries with explanatory variables "revenue per employee" and a measure of inflation, say, the consumer price index. Figure.3 contains the result.

Example on the use of regressions and how to employ the CANSIM mini base

TS01
ott
LOGON
IKJ56700A ENTER USERID -
COM6201
ENTER CURRENT PASSWORD FOR COM6201-

COM6201 LOGON IN PROGRESS AT 13:19:09 ON APRIL 1, 1982
NO BROADCAST MESSAGES

READY
INFMOS
NAME OF USER MOSAIC FILE(FNAME/CR):('COM62.DSI.MOSBASE')
DO YOU WISH MINIBASE ACCESS? (YES/NO):YES

MOSAIC SYSTEM VERSION OF 01/07/81
INFORMETRICA LIMITED RELEASE DA0781
DUTY DESK TELEPHONE (613)238-4831

\$SET INTER=1,PWIDTH=80;
O \$SET INTER=1,PWIDTH=80;
INTER WAS 0
PWIDTH WAS 131
COMMAND :
RETR WTBR,NNTBR,ROPTER;
COMMAND :

\$DMOFT LIBRARY=1,YEARS=1971 1 1982 12;
LIBRARY WAS 0
YEARS WAS 0/ 0 TO 0/ 0

COMMAND :
RETR D#484000;
COMMAND :
MOFT LIBRARY=,YEARS=;
LIBRARY WAS 1
YEARS WAS 1971/ 1 TO 1982/12

COMMAND :
CPI=COLAPS!1 2!D#484000;

COMMAND :
WRATE=WTBR/NNTBR;
COMMAND :
REVPE=ROPTER/NNTBR;
COMMAND :

C=DUMMY!1971 1980 1!1;

COMMAND :
PRINT CPI,WTBR,NNTBR,ROPTER,WRATE,REVPE,C;

01/04/

	CPI	WTBR	NNTBR	ROPTBR	WRATE	REVPE	C
1971	100.000	200881.	*****	277732.	*****	*****	1.00000
1972	104.775	220188.	20124.0	316225.	10.9416	15.7138	1.00000
1973	112.750	257768.	21162.0	376746.	12.1807	17.8029	1.00000
1974	125.000	294683.	22261.0	426521.	13.2376	19.1600	1.00000
1975	138.517	346739.	23497.0	505762.	14.7567	21.5245	1.00000
1976	148.917	413687.	24680.0	604506.	16.7620	24.4938	1.00000
1977	160.817	481049.	25651.0	671246.	18.7536	26.1684	1.00000
1978	175.150	549618.	26851.0	787986.	20.4692	29.3466	1.00000
1979	191.167	633621.	27675.0	918561.	22.8951	33.1910	1.00000
1980	210.633	*****	*****	*****	*****	*****	1.00000
1981	236.883	*****	*****	*****	*****	*****	*****

COMMAND :
\$REGOFT PFLAG=15;
PFLAG WAS 0
COMMAND :

YEARS 1972 - 1979

	MEAN	COEFF.	STD. ERROR	T
WRATE	16.249557			
C	1.0000000	-1.4122576	1.2340399	-1.1444182
CPI	144.63645	.45530440D-01	.42951430D-01	1.0600448
REVPE	23.425139	.47284514	.21654743	2.1835638

R2 0.99678 RB2 0.99550 F(2, 5) 774.97
 ERROR VAR. .80087E-01 S.E.E. .28300 C.O.V.(%) 1.74157

COMMAND :

\$STOP\$

MOSAIC END 0

0

READY

LOGOFF

COM6201 LOGGED OFF TSO AT 13:25:50 ON APRIL 1, 1982

LAST STEP COMPLETION CODE WAS USER 000

II.5 Example on the use of plotting routines

There are built-in plotting procedures in the MOSAIC package. This example shows that one can obtain a rough plot of data. Two variables are retrieved from the database and the resulting plot is in Figure.4.

Example on the use of plotting routines

ott
LOGON
IKJ56700A ENTER USERID -
COM6201
ENTER CURRENT PASSWORD FOR COM6201-

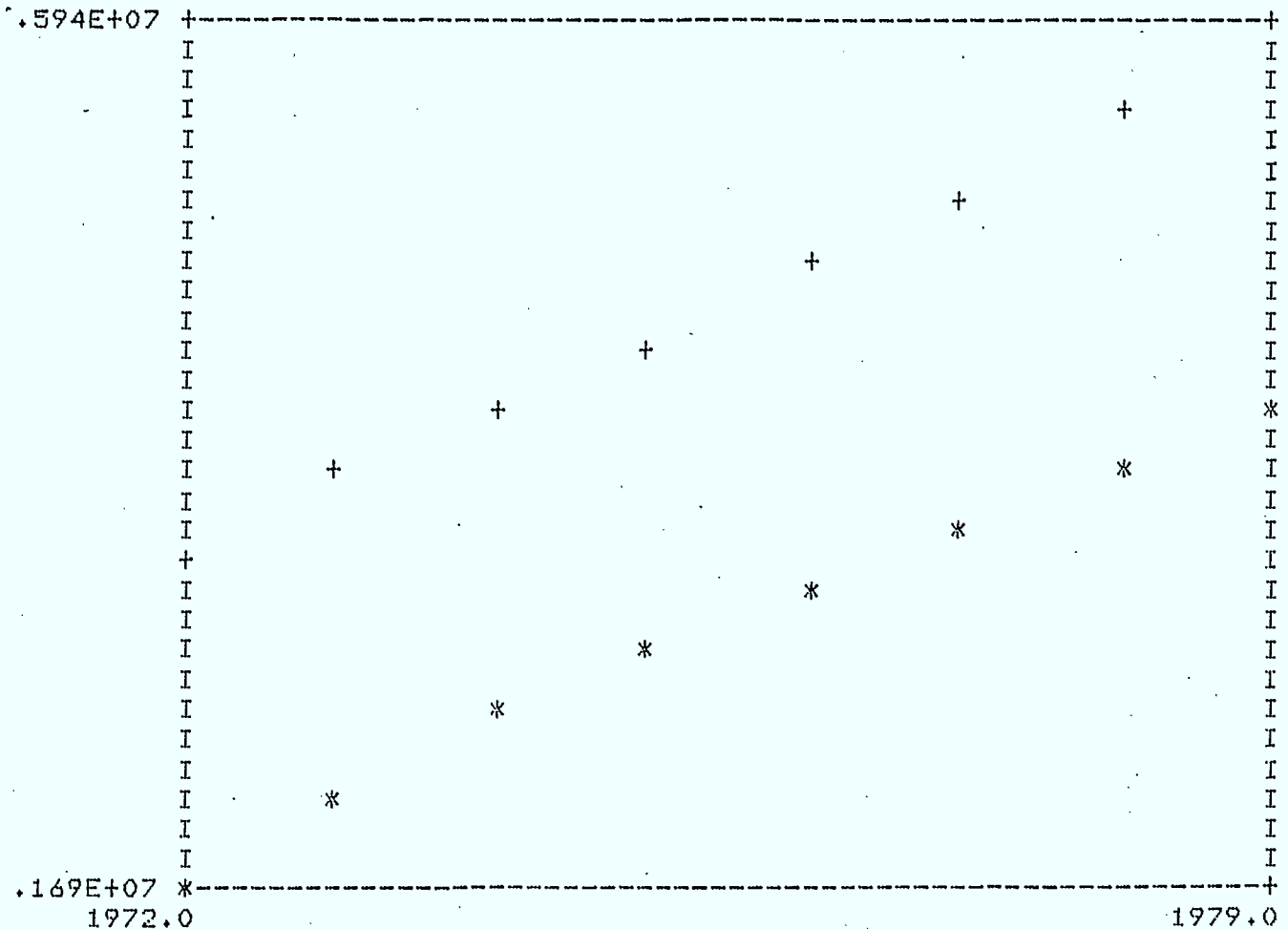
COM6201 LOGON IN PROGRESS AT 13:26:29 ON APRIL 1, 1982
NO BROADCAST MESSAGES
READY

INFMOS
NAME OF USER MOSAIC FILE(FNAME/CR):('COM62.DSI.MOSBASE')
DO YOU WISH MINIBASE ACCESS? (YES/NO):NO

MOSAIC SYSTEM VERSION OF 01/07/81
INFORMETRICA LIMITED RELEASE DA0781
DUTY DESK TELEPHONE (613)238-4831

\$SET INTER=1,PWIDTH=80;
O \$SET INTER=1,PWIDTH=80;
INTER WAS 0
PWIDTH WAS 131
COMMAND :
RETR NSUBC,NHPC;
COMMAND :
\$PLOT NVPTS=30,NHPTS=60;
NVPTS WAS 0
NHPTS WAS 0
COMMAND :
TPLOT NSUBC,NHPC;

1



\$PLOT TITLE=T,NOGRID=1,NVGRID=8,NHGRID=5;

FIGURE 4(cont'd)

TITLE WAS
NOGRID WAS 0
NVGRID WAS 2
NHGRID WAS 2

COMMAND :

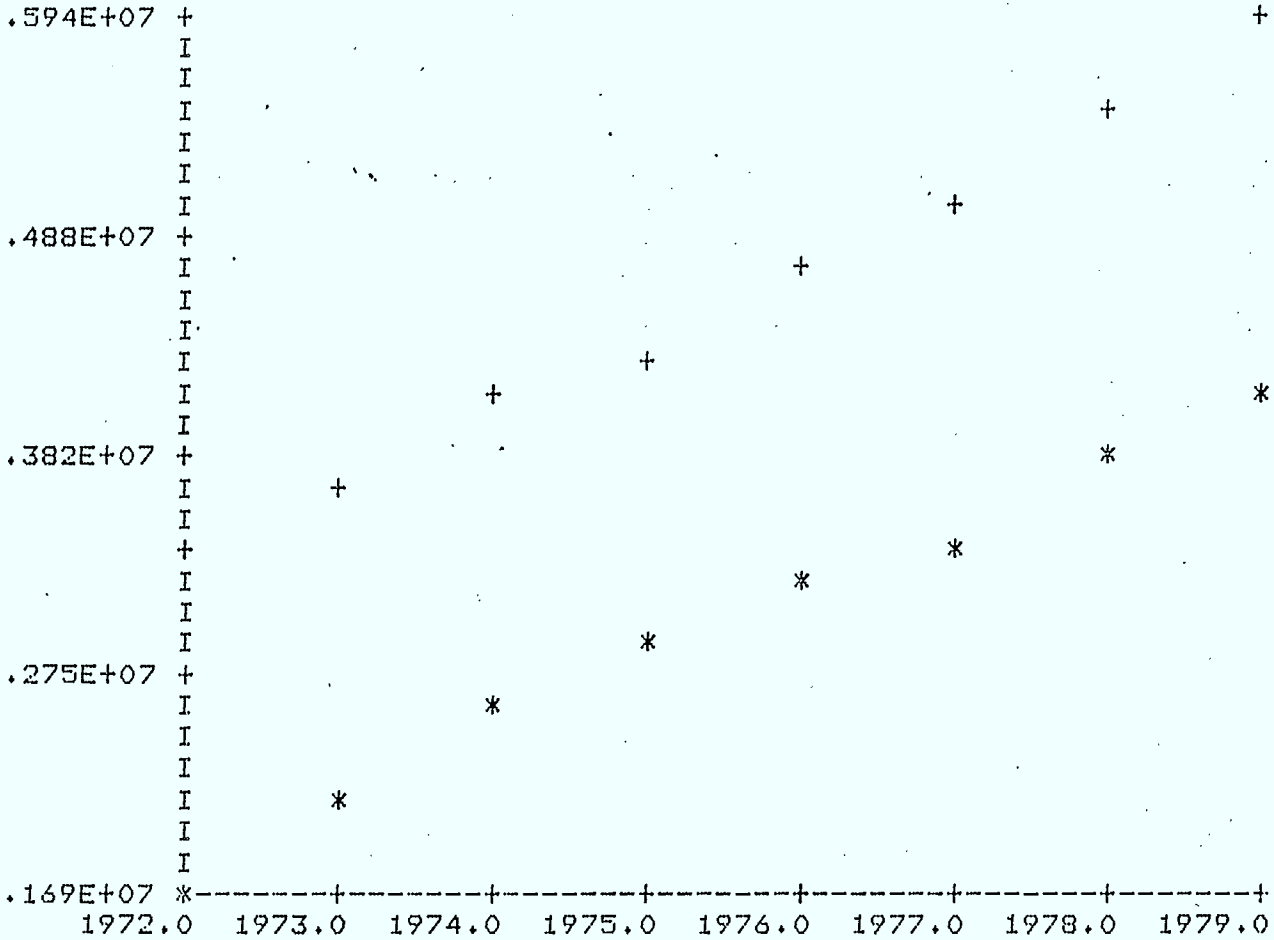
T='NO. SUBSCRIBERS(*)/NO. HOUSEHOLDS PASSED(+)';

COMMAND :

TPLOT NSUBC,NHPC;

1

NO. SUBSCRIBERS(*)
NO. HOUSEHOLDS PASSED(+)



1

COMMAND :

\$STOP;

MOSAIC END 0

0

READY

LOGOFF

COM&201 LOGGED OFF TSO AT 14:57:05 ON APRIL 1, 1982

LAST STEP COMPLETION CODE WAS USER 000

II.6 Example on the use of tabular presentations

With some extra programming the system can be used to produce a variety of tables and employing different formats.

The following example shows a tabular presentation of employment statistics followed by a percentage break out of the same data and presented in a similar format.

EMPLOYMENT STATISTICS
TOTAL BROADCASTING

	1971.00	1972.00	1973.00	1974.00	1975.00	1976.00	1977.00	1978.00	1979.00
SALARIES AND FRINGE BENEFITS <i>\$1000's</i>									
WPGMTBR PROGRAM/PROGRAM ORIGINATION	116649.	132404.	159191.	181103.	208309.	244156.	284913.	326572.	365622.
WTECTBR TECHNICAL	18300.	15439.	17893.	20936.	25620.	29384.	33649.	37183.	43025.
WSELTBR SALES AND PROMOTION*	20953.	26478.	31833.	37339.	42655.	49534.	57082.	63455.	72719.
WADMTBR ADMINISTRATION AND GENERAL	44441.	45509.	48328.	54721.	69646.	89942.	104715.	121177.	150625.
WDIRTBR DIRECTORS' FEES	538.	358.	523.	585.	509.	672.	689.	1232.	1629.
WTBR TOTAL REMUNERATION	200881.	220188.	257768.	294683.	346739.	413687.	481049.	549618.	633621.
NUMBER OF EMPLOYEES									
NNPGMTBR PROGRAM/PROGRAM ORIGINATION	11633.	12668.	13208.	14000.	14816.	15242.	15840.	16671.	17283.
NNTECTBR TECHNICAL	1979.	1586.	1748.	1770.	1898.	1996.	2086.	2007.	2037.
NNSELTBR SALES AND PROMOTION*	1922.	2067.	2238.	2336.	2422.	2501.	2607.	2690.	2884.
NNADMTBR ADMINISTRATION AND GENERAL	4087.	3803.	3968.	4155.	4361.	4941.	5118.	5483.	5471.
NNTBR TDTAL NUMBER OF EMPLOYEES	100.	20124.	21162.	22261.	23497.	24680.	25651.	26851.	27675.

*INCLUDING COMMISSION PAID TO STAFF

EMPLOYMENT STATISTICS
TOTAL BROADCASTING
PERCENTAGE COMPOSITION

	1971.00	1972.00	1973.00	1974.00	1975.00	1976.00	1977.00	1978.00	1979.00
SALARIES AND FRINGE BENEFITS									
WPGMTBR PROGRAM/PROGRAM ORIGINATION	58.	60.	62.	61.	60.	59.	59.	59.	58.
WTECTBR TECHNICAL	9.	7.	7.	7.	7.	7.	7.	7.	7.
WSELTBR SALES AND PROMOTION*	10.	12.	12.	13.	12.	12.	12.	12.	11.
WADMTBR ADMINISTRATION AND GENERAL	22.	21.	19.	19.	20.	22.	22.	22.	24.
WOIRTBR DIRECTORS' FEES	0.	0.	0.	0.	0.	0.	0.	0.	0.
WTBR TOTAL REMUNERATION	100.	100.	100.	100.	100.	100.	100.	100.	100.
NUMBER OF EMPLOYEES									
NNPGMTBR PROGRAM/PROGRAM ORIGINATION	11633.	63.	62.	63.	63.	62.	62.	62.	62.
NNTECTBR TECHNICAL	1979.	8.	8.	8.	8.	8.	8.	7.	7.
NNSELTBR SALES AND PROMOTION*	1922.	10.	11.	10.	10.	10.	10.	10.	10.
NNADMTBR ADMINISTRATION AND GENERAL	4087.	19.	19.	19.	19.	20.	20.	20.	20.
NNTBR TOTAL NUMBER OF EMPLOYEES	100.	100.	100.	100.	100.	100.	100.	100.	100.

*INCLUDING COMMISSION PAID TO STAFF

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44. Cable and Pole Line, Exchange Lines of the Telephone Industry, in Kilometers
45. Carrier Systems on Physical Circuits of the Telephone Industry
47. Teletypewriters and Data Sets by Type of Service
48. Long Distance Communication Media
49. Construction Expenditures of the Telephone Industry by Province
50. Direct Distance Dialing Telephones, Centrex and PBX Systems, and Telephone Movement
51. Value of Construction and Repair Work - Telecommunications Carriers
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III.2 How to use the subject matter index

This index defines the availability of data on the DSI database, and is organized by subject matter area. Section I of the index covers data available on the broadcasting and cable industries, and Section II covers those for the telephone and telecommunications industries.

The index consists of a set of tables. The subject matter of each table is shown in the table of contents. An "X" in a cell of any table indicates the availability of a time series on the database. The name of that time series is given by joining the "acronym" in the row of the table to that in the column. This is the same name that is used to retrieve that time series from the database with MOSAIC.

As an example, turn to page 1 of the index. This table documents all time series available for the broadcasting and cable TV industries having anything to do with balance sheet information (assets). Note that with broadcasting there are five divisions, and with cable, three. There are time series available on assets for total private broadcasting, the CBC and total broadcasting, and within cable, for large cable companies.

The name of the time series giving total current assets for the total broadcasting industry is made up by joining the acronym for total current assets (ACU) to that for total broadcasting (TBR) yielding the mnemonic name ACUTBR. To retrieve this time series from the database, this mnemonic must be used. To retrieve all the available time series on total current assets indicated in this table, the mnemonic names that must be used are:

ACUPER, ACUCBC, ACUTBR and ACULC.

For other examples on the use of mnemonics, see PART II - Examples on how to use this database system.

III.3 Subject matter index

Section I - Broadcasting and cable TV

BALANCE SHEET DATA - ASSETS

I T E M	ACRONYM	B R O A D C A S T I N G				C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)
<u>ASSETS</u>								
<u>Current Assets:</u>								
Cash	ACA			X	X	X		X
Securities	ASEC			X	X	X		X
Receivables (Net)	AREC			X	X	X		X
Inventories	AIN			X	X	X		X
Prepaid Program Rights/Expenses	APPD			X	X	X		X
Other Current Assets	AOC			X	X	X		X
Total Current Assets	ACU			X	X	X		X
<u>Investments and Advances:</u>								
Associated Companies	AINVA			X	X	X		X
Other Investments	AINVO			X	X	X		X
Total Investments and Advances	AINV			X	X	X		X
<u>Fixed Assets:</u>								
Land, Property and Equipment	AK			X	X	X		X
Less: Accumulated Depreciation	AACC			X	X	X		X
Net Fixed Assets	ANK			X	X	X		X
Net Fixed Assets - Non-Broadcasting	ANNBR			X	X	X		
Net Fixed Assets - Non-Cable TV	ANNC							X
Intangible Assets	AAIR			X	X	X		X
Other Assets	AOK			X	X	X		X
Total Fixed and Other Assets	ANF			X	X	X		X
Total Non-Current Assets	ANCU			X	X	X		X
(Total Investments and Advances plus Total Fixed and Other Assets)								
Total Assets	A			X	X	X		X

BALANCE SHEET DATA - LIABILITIES

I T E M	ACRONYM	B R O A D C A S T I N G					C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)	Total Companies (C)
LIABILITIES									
Current Liabilities:									
Bank Loans & Overdrafts	LBK			X	X	X		X	
Other Loans	LOL			X	X	X		X	
Accounts Payable and Accrued	LBPB			X	X	X		X	
Income Tax Payable	LT			X	X	X		X	
Dividends Payable	LDIV			X	X	X		X	
Unearned Income (Prior to 1980 only for Radio/TV)	LNYY			X	X	X		X	
Film and Program Contracts Payable (As of 1980)	LFPCP			X	X	X			
Current Portion of Long-Term Debt	LCUL			X	X	X		X	
Other Current Liabilities	LOCU			X	X	X		X	
Total Current Liabilities	LCU			X	X	X		X	
Non-Current Liabilities:									
Long-Term Debt:									
Notes (As of 1980 includes Mortgages and Bonds)	LNO			X	X	X		X	
Mortgages and Bonds (Prior to 1980)	LH			X	X	X		X	
Debentures	LDEB			X	X	X		X	
Obligations under Capital Leases (As of 1980)	LCL			X	X	X		X	
*Total Long-Term Debt	LLT			X	X	X		X	
Deferred Income Taxes	LDT			X	X	X		X	
Other Liabilities	LONCU			X	X	X		X	
Total Non-Current Liabilities	LNCU			X	X	X		X	
Total Liabilities	L			X	X	X		X	
*When calculating Total Long-Term Debt, Current Portion of Long-Term Debt (LCUL) in Current Liabilities subtracted from the other items to obtain the Total (LLT).									

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BALANCE SHEET DATA - EQUITY - TOTAL LIABILITIES & EQUITY

I T E M	ACRONYM	B R O A D C A S T I N G				C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)
<u>EQUITY</u>								
Share Capital Issued: Preferred	EP			X	X	X		X
Common	EC			X	X	X		X
Retained Earnings	ERET			X	X	X		X
Other Surplus	EOS			X	X	X		X
Total Shareholders' Equity	E			X	X	X		X
Total Liabilities and Equity	LE			X	X	X		X

REVENUE

I T E M	ACRONYM	B R O A D C A S T I N G				C A B L E			
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)	Total Companies (C)
<u>Revenue from Sale of Air Time:</u>									
Local Time Sales	RLOC	X	X	X	X	X			
National Time Sales	RNAT	X	X	X	X	X			
Network Time Sales	RNET	X	X	X	X	X			
Total Revenue from Sale of Air Time	RAT	X	X	X	X	X			
<u>Production and Other Revenue:</u>									
Syndication Revenue	RSYN	X	X	X	X	X			
Production Revenue	RPN	X	X	X	X	X			
Other Revenue	ROT	X	X	X	X	X	X	X	X
Total Production and Other Revenue	RTPN	X	X	X	X	X			
<u>Operating Revenue:</u>									
Direct Subscribers	RSUBD						X	X	X
Indirect Subscribers	RSUBID						X	X	X
Installation (Includes Reconnect)	RINS						X	X	X
Education Services	RED						X	X	X
Total Operating Revenue	ROP	X	X	X	X	X	X	X	X

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OPERATING REVENUE - FURTHER DISAGGREGATIONS-RADIO & TV

I T E M	ACRONYM	B R O A D C A S T I N G			
		CBC RADIO (CRA)	CBC TELEVISION (CTV)	TOTAL RADIO (RA)	TOTAL TELEVISION (TV)
<u>Revenue from Sale of Air Time:</u>					
Local Time Sales	RLOC	X	X	X	X
National Time Sales	RNAT	X	X	X	X
Network Time Sales	RNET	X	X	X	X
Total Air Time Sales	RAT	X	X	X	X
Production & Other Revenue	RTPN	X	X		
Operating Revenue	ROP	X	X		

EXPENSES

I T E M	ACRONYM	B R O A D C A S T I N G					C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)	Total Companies (C)
EXPENSES									
Program Origination:									
Payments for Non-Staff Talent	XTAL							X	
Material & Supplies	XMAT							X	
Other Production Costs	XPW							X	
Theatrical and Short Film or Tape (Rental & Distribution)	XTHE							X	
Package Shows	XPAC							X	
Program Services	XPSEB							X	
Other Non-Production Costs	XOPGM							X	
Remuneration	XPW							X	
Total Program Origination Expenses	XPGH	X	X	X	X	X	X	X	X
Technical:									
Lead-End	XHE							X	
Distribution System	XDIS							X	
Microwave (As of 1980)	XMWV							X	
Parts and Supplies (Prior to 1980)	XPART							X	
Vehicle Expenses (Prior to 1980)	XCAR							X	
Parts and Supplies-Vehicle Expenses (As of 1980)	XPSCAR							X	
Other Technical Costs	XOTEC							X	
Remuneration	XTW							X	
Less: Wages Capitalized	XTWC							X	
Total Technical Expenses	XTEC	X	X	X	X	X	X	X	X

INCOME STATEMENT

I T E M	ACRONYM	B R O A D C A S T I N G					C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)	Total Companies (C)
Operating Income (Loss)	YOP	X	X	X	X	X	X	X	X
Depreciation (As Per Accounts)	XDEP	X	X	X	X	X	X	X	X
Interest Expense	XINT	X	X	X	X	X	X	X	X
Investment & Interest Income	YINV	X	X	X		X		X	
Incidental Income - Broadcasting/Cable	YOT	X	X	X		X		X	
Adjustment of Prior Years Income (Prior to 1980)	YPYR	X	X	X		X		X	
Amortization of Start-Up & Organization Expense	XAMS	X	X	X		X		X	
Net Operating Profit (Loss)	POP	X	X	X		X		X	
Amortization of Goodwill	XAMG	X	X	X		X		X	
Gain (Loss) from Sale of Fixed Assets	YSEL	X	X	X		X		X	
Other Adjustments - Income (Expense) (Prior to 1980)	YADJ	X	X	X	X	X	X	X	X
Net Profit (Loss) Before Income Tax	PBT	X	X	X		X	X	X	X
Net Cost of CBC Operations	YGRA				X	X			
Provision for Income Tax	XT	X	X	X		X		X	
Net Profit (Loss) After Income Tax	PAT	X	X	X		X		X	

SOURCE AND APPLICATION OF FUNDS

I T E M	ACRONYM	B R O A D C A S T I N G				C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)
<u>SOURCE OF FUNDS</u>								
<u>Operations:</u>								
Net Profit after Tax from Broadcast/Cable Operations	PAT			X			X	
Net Profit after Tax from Non-Broadcast Operations	PATNB			X				
Net Profit after Tax from Non-Cable Operations	PATN						X	
Expenses not Requiring Outlay of Funds:								
Depreciation	SDEPA			X			X	
Deferred Income Tax	SDT			X			X	
Total Funds Provided from Operations	STOP			X			X	
<u>Other Sources:</u>								
Increase in Long-Term Debt	SLTD			X			X	
Proceeds from Sale of Share Capital	SEQ			X			X	
Decrease in Fixed Assets:								
Broadcast Only/Cable TV Only	SK			X			X	
Non-Broadcasting	SKNB			X				
Non-Cable TV	SKNC						X	
Decrease in Investments and Advances	SINV			X			X	
Other Sources of Funds	SOT			X			X	
Total Other Funds Provided	SNOP			X			X	
Total Funds Provided	S			X			X	

SOURCE AND APPLICATION OF FUNDS

I T E M	ACRONYM	B R O A D C A S T I N G					C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)	Total Companies (C)
<u>APPLICATION OF FUNDS</u>									
Additions to Fixed Assets:									
Broadcasting Only/Cable TV Only	UK			X				X	
Non-Broadcasting	UKNBR			X					
Non-Cable TV	UKNC						X		
Additions to Investments and Advances	UINV			X			X		
Deferred Expenditures	UDX			X			X		
Dividends Declared: Common Shares	UECD			X			X		
Preferred Shares	UEPD			X			X		
Reduction of Long-Term Debt	ULTD			X			X		
Redemption of Shares	UEQ			X			X		
Other Application of Funds	UOT			X			X		
Total Funds Used	U			X			X		
Increase (Decrease) in Working Capital	UWC			X			X		
Working Capital at Beginning of Year	UWCJ			X			X		
Working Capital at End of Year (August 31)	UWCD			X			X		

PROPERTY, PLANT & EQUIPMENT - HISTORICAL COST

I T E M	ACRONYM	B R O A D C A S T I N G				C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)
Land	KLA			X				X
Land Improvements and Buildings	KBL KLB			X				X
Tower and Antenna System	KANT			X				
Transmitter Equipment	KTR			X				
Studio & Technical Equipment	KSTUD			X				
Mobile Equipment	KMOB			X				
Head-End & Components	KHE							X
Distribution System Plant	KDIS							X
Costs of Subscriber Drops and Devices	KDROP							X
Test Equipment and Tools	KTEST							X
Cablecasting Equipment	KCA							X
*Automobiles and Trucks	KCAR			X				X
Furniture and Fixtures	KFUR			X				X
Other Property, Plant & Equipment	KOT			X				X
Leasehold Improvements (Except Cable-system Plant for Cable Only)	KLEA			X				X
Total Property, Plant & Equipment	AK			X	X	X		X

*As of 1980, this item also includes Computers for Cable TV Companies.

PROPERTY, PLANT & EQUIPMENT - ACCUMULATED STANDARDIZED DEPRECIATION

I T E M	ACRONYM	B R O A D C A S T I N G					C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)	Total Companies (C)
Land	DLA			X				X	
Land Improvements and Buildings	DBL DLB			X				X	
Tower and Antenna System	DANT			X					
Transmitter Equipment	DTR			X					
Studio & Technical Equipment	DSTUD			X					
Mobile Equipment	DMOB			X					
Head-End & Components	DHE							X	
Distribution System Plant	DDIS							X	
Costs of Subscriber Drops and Devices	DDRDP							X	
Test Equipment and Tools	DTEST							X	
Cablecasting Equipment	DCA							X	
*Automobiles and Trucks	DCAR			X				X	
Furniture and Fixtures	DFUR			X				X	
Other Property, Plant & Equipment	DOT			X				X	
Leasehold Improvements	DLEA			X				X	
Total Property, Plant & Equipment	AACC			X	X	X		X	

*As of 1980, this item also includes Computers for Cable TV Companies.

PROPERTY, PLANT & EQUIPMENT - NET VALUE

I T E M	ACRONYM	B R O A D C A S T I N G				C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)
Land	CLA			X			X	
Land Improvements and Buildings	CBL CLB			X			X	
Tower and Antenna System	CANT			X				
Transmitter Equipment	CTR			X				
Studio & Technical Equipment	CSTUD			X				
Mobile Equipment	CMOB			X				
Head-End & Components	CHE						X	
Distribution System Plant	CDIS						X	
Costs of Subscriber Drops and Devices	CDROP						X	
Test Equipment and Tools	CTEST						X	
Cablecasting Equipment	CCA						X	
*Automobiles and Trucks	CCAR			X			X	
Furniture and Fixtures	CFUR			X			X	
Other Property, Plant & Equipment	COT			X			X	
Leasehold Improvements	CLEA			X			X	
Total Property, Plant & Equipment	ANK			X	X	X	X	

*As of 1980, this item also includes Computers for Cable TV Companies.

EMPLOYMENT STATISTICS

I T E M	ACRONYM	B R O A D C A S T I N G					C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)	Total Companies (C)
<u>SALARIES & FRINGE BENEFITS</u>									
Program/Program Origination	WPGM			X	X	X		X	
Technical	WTEC			X	X	X		X	
Sales & Promotion (including Commission paid to Staff)	WSEL			X	X	X		X	
Administration & General	WADM			X	X	X		X	
Directors' Fees	WDIR			X	X	X		X	
Total Remuneration	W	X	X	X	X	X	X	X	X
<u>NUMBER OF EMPLOYEES (Actual)</u>									
Program/Program Origination	NNPGM			X	X	X		X	
Technical	NNTEC			X	X	X		X	
Sales & Promotion (including Commission paid to Staff)	NNSEL			X	X	X		X	
Administration & General	NNADM			X	X	X		X	
Total Number of Employees	NN	X	X	X	X	X	X	X	X

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MARKET AND TECHNICAL DATA - CABLE TV

(Actual)

I T E M	ACRONYM	B R O A D C A S T I N G					C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)	Total Companies (C)
MARKET DATA									
Number of Subscribers: Direct	NSUBD						X	X	X
Indirect	NSUBID						X	X	X
Total	NSUB						X	X	X
Number of Households Passed by Cable:									
Individual Houses	NIPI						X	X	X
In Multiple Dwellings	NIIPM						X	X	X
Total	NHP						X	X	X
Number of Households in Licensed Area	NIIT						X	X	X
TECHNICAL DATA									
Kilometers of Distribution Cable:									
Aerial Cable	CBLDA							X	
Cable in Conduit	CBLDC							X	
Buried	CBLDB							X	
Total Distribution Cable	CBLD						X	X	X
Kilometers of Trunk Cable (Not Used for Customer Service Drops)	CBLT						X	X	X
Kilometers of Trunk & Distribution Cable	CBL						X	X	X

SURVEY UNIVERSE (Actual)

I T E M	ACRONYM	B R O A D C A S T I N G					C A B L E		
		Private Radio (PRA)	Private Television (PTV)	Total Private Broadcasting (PBR)	Canadian Broadcasting Corporation (CBC)	Total Broadcasting (TBR)	Small Companies (SC)	Large Companies (LC)	Total Companies (C)
Number of Reporting Units	NUR	X	X	X			X	X	X
Number of Business Organizations (Licensees)	NORG	X	X	X	X	X	X	X	X
Number of Licensed Systems	NSY								X
Number of Non-Operating Licensed Systems	NZIPSY								X
Number of Operating Systems	NOPRSY								X
Number of Stations	NSN	X	X						
Number of Radio Reporting Units With:									
Single Stations	NURS	X							
Stations Thereby Accounted For	NSNS	X							
AM/FM Combinations	NURAF	X							
Stations Thereby Accounted For	NSNAF	X							
Other Combinations	NUROT	X							
Stations Thereby Accounted For	NSNOT	X							

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III.4 Subject matter index

Section II - Telephone and telecommunications*

(* Including CNT,CPT,Teleglobal & Telesat)

BALANCE SHEET DATA - ASSETS

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>ASSETS</u>								
<u>Current Assets:</u>								
Cash and Temporary Investments	ACA	X						
Receivables (Net)	AREC	X						
Inventories	AIH	X						
Prepaid Expenses	APPD	X						
Other Current Assets	AOC	X						
Total Current Assets	ACU	X						
<u>Investments and Advances:</u>								
Subsidiary Companies	AHVS	X						
Other Investments	AINVO	X						
Total Investments and Advances	AINV	X						
Total Telephone Plant at Cost/Cost of Property & Equipment before Depreciation	AK	X	X	X	X	X	X	X
Less: Accumulated Depreciation on Telephone Plant/Accrued Depreciation on Property & Equipment	AACC	X	X	X	X	X	X	X
Net Telephone Plant/Property and Equipment less Depreciation	ANK	X	X	X	X	X	X	X
<u>Deferred Charges:</u>								
Unamortized Discount, Premium & Expense on Long-Term Debt	ADCUO	X						
Other Deferred Charges	ADCO	X						
Total Deferred Charges	ADC	X						
Other Assets	AOK	X						
Total Assets	A	X						

BALANCE SHEET DATA - LIABILITIES AND NET WORTH

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
LIABILITIES								
Current Liabilities:								
Bank Loans and Overdrafts	LBK	X						
Accounts Payable	LBPO	X						
Notes Payable	LBND	X						
Taxes Payable	LT	X						
Dividends Payable	LDIV	X						
Interest Payable	LINT	X						
Advanced Billings and Payments for Services	LABP	X						
Other Current Liabilities	LOCU	X						
Total Current Liabilities	LCU	X						
Non-Current Liabilities:								
Total Long-Term Debt	LLT	X						
Deferred Credits:								
Deferred Income Taxes	LOCIT	X						
Other Deferred Charges	LDCO	X						
Total Deferred Credits	LDC	X						
Other Liabilities or Reserves	LOLR	X						
NET WORTH (EQUITY)								
Share Capital Issued:								
Preferred	EP	X						
Common	EC	X						
Premium on Capital Stock	EPCS	X						
Proprietary Equity of Provincial and Other Governments	EPVG	X						
Retained Earnings	ERET	X						
Total Net Worth	ENW	X						
Total Liabilities and Net Worth	LE	X						

STATEMENT OF RETAINED EARNINGS

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
Surplus or Deficit at Beginning of Fiscal Period	ERETB	X						
Net Profit (Loss) for Year	PAT	X						
Miscellaneous Additions	EMISCA	X						
Total Additions	EADD	X						
Dividends: Common	EDC	X						
Preferred	EDP	X						
Total Dividends	EDT	X						
Miscellaneous Deductions	EMISCD	X						
Total Deductions	EDED	X						
Surplus or Deficit at End of Period	ERET	X						

REVENUE

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Local Service Revenue</u>								
Charges to Customers:								
Monthly Revenue for Service & Equipment	RLMSE	X						
Message Charges Revenue	RLMSC	X						
Non-Recurring Charges Revenue	RLNRC	X						
Coin Telephones - Local Service Revenue	RLCTEL	X						
Local Private Line Service Revenue:								
Telephone	RLPTL	X						
Teletypewriter	RLPTH	X						
Program Transmission	RLPPTM	X						
Other Local Private Line Service Revenue	RLPOTH	X						
Other Local Service Revenue	RLOTH	X						
Total Local Service Revenue	RLA	X						
<u>Toll Service Revenue</u>								
Message Toll Revenue:								
Telephone	RTMTEL	X						
Teletypewriter	RTMTW	X						
Other Message Toll Revenue	RTMOTH	X						
Wide Area Telephone Service (WATS)	RTWATS	X						
Toll Private Line Service Revenue:								
Telephone	RTPTEL	X						
Teletypewriter	RTPTW	X						
Program Transmission	RTPPTM	X						
Wide Band	RTPWB	X						
Other Toll Private Line Service Revenue	RTPOTH	X						
Other Toll Service Revenue	RTOTH	X						
Less: Charges Payable to Connecting Systems for Toll Services	RTCCS	X						
Total Toll Service Revenue	RTA	X						

REVENUE

ITEM	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Miscellaneous Operating Revenue</u>								
Directory Advertising and Sales	RMDAS	X						
Plant and Building Rental	RMPBR	X						
Other Miscellaneous Operating Revenue	RMOTII	X						
Total Miscellaneous Operating Revenue	RMA	X						
Less: Uncollectable Operating Revenue	RUCO	X						
<u>Transmission Revenue</u>								
Public & Government Message	RPGM		X	X			X	X
Press Message	RPRM		X	X			X	X
Money Order Message	RMOM		X	X			X	X
News Service	RNSS		X	X				X
Telephone Service	RTLS		X	X	X		X	X
Cable, Wireless & Radio Message	RCHRM		X	X	X		X	X
Scheduled Transmission Service	RSTS			X				X
Broadcast Program Service	RBPS		X	X	X			X
Facsimile or Photogram Service	RFPS			X	X			X
Other Transmission	ROTN		X	X	X		X	X
<u>Non-Transmission Revenue</u>								
Leased Circuit	RLCT		X	X	X	X	X	X
Other Leased Plant	ROLP		X	X	X		X	X
Money Order Charges	RMOC		X	X	X		X	X
Other Non-Transmission	RONT		X	X	X	X	X	X
Total Operating Revenue	ROP	X	X	X	X	X	X	X

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EXPENSES - TELEPHONE INDUSTRY

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>MAINTENANCE</u>								
Buildings and Grounds	XMBG	X						
Structures Other Than Buildings (Outside Plant)	XMSOP	X						
Machinery & Equipment (Includes Central Office and Station Equipment)	XMMECS	X						
Other	XMOTH	X						
Total Maintenance Expenses	XMA	X						
Depreciation	XDEP	X						
<u>TRAFFIC</u>								
Operators' Wages	XTOPW	X						
Other	XTOTH	X						
Total Traffic Expenses	XTA	X						
<u>MARKETING AND COMMERCIAL</u>								
General Administration	XMCGA	X						
Local Commercial Operations	XMCLCO	X						
Directory Expense	XMCDIR	X						
Advertising	XMCADV	X						
Sales Expense	XMCSLS	X						
Miscellaneous	XMCMIS	X						
Total Marketing and Commercial Expenses	XMCA	X						
<u>OTHER OPERATING EXPENSES (EXCLUDING TAXES)</u>								
General Office Expenses	XOGLO	X						
Rents: Land and Buildings	XORLB	X						
Machinery and Equipment (Including Circuits & Transmission Equipment)	XORME	X						
Miscellaneous Operating Expenses (Net)	XOMISH	X						
Total Other Operating Expenses	XOA	X						
Total Operating Expenses	XOP	X						

EXPENSES - TELECOMMUNICATIONS INDUSTRY

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
MAINTENANCE								
Supervision	XSVNM		X	X	X		X	X
Maintenance of Plant & Equipment	XMPE		X	X	X		X	X
Depreciation	XDEP		X	X	X	X	X	X
Other Maintenance Expenses	XOMC		X	X	X		X	X
Less: Applicable to Carriers' Rail Operations & Other Departments	XMCROD		X	X				X
Total Maintenance Expenses	XHTC		X	X	X	X	X	X
OPERATION								
Supervision of Operations	XSVNO		X	X	X		X	X
Operators	XOPR		X	X	X		X	X
Telegraph and Cable Office Clerks	XTCOC		X	X	X		X	X
Operating Power	XOPP		X	X	X		X	X
Rent of Telegraph and Cable Offices	XRTCO		X	X	X		X	X
Commission	XCOM		X	X			X	X
Other Operation Expenses	XOOP		X	X	X	X	X	X
Less: Applicable to Carriers' Rail Operations & Other Departments	XOCROD		X	X				X
Total Operation Expenses	XOPN		X	X	X	X	X	X
GENERAL								
Salaries of General Officers & General Office Employees	XSOFF		X	X	X		X	X
General Office Supplies & Expenses	XSUPP		X	X	X		X	X
Legal Services	XLGS			X	X			X
Insurance	XINS			X	X		X	X
Other General Expenses	XOGL		X	X	X		X	X
Less: Applicable to Carriers' Rail Operations & Other Departments	XGCROD			X				X
Total General Expenses	XGNL		X	X	X		X	X
Total Operating Expenses	XOP		X	X	X	X	X	X

INCOME STATEMENT

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	Total Companies (TC)
Net Operating Revenue	YOP	X	X	X	X	X	X	X
Other Income: Interest Earned	YINT	X						
Dividends Earned	YDIV	X						
Other	YOI	X						
Total Other Income	YOT	X	X	X	X	X	X	X
Gross Income	YGOP		X	X	X	X	X	X
Other Expenses: Interest Charges/Interest on Funded Debt	XINT	X		X	X			X
Taxes Other Than Income Taxes	XOTX	X	X	X			X	X
Other	XOT	X	X	X	X		X	X
Total Other Expenses/Income Deductions	XO	X						
	XDED		X	X	X		X	X
Net Profit (Loss) Before Income Taxes	PBT	X	X	X	X	X	X	X
Income Taxes: Deferred	XDT	X						
Current	XCT	X						
Total Income Taxes	XT	X		X	X	X	X	X
Net Profit (Loss) for Year/Income Balance	PAT	X	X	X	X	X	X	X

OPERATING STATISTICS - TELECOMMUNICATIONS CARRIERS

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
TELEGRAMS TRANSMITTED								
<u>Sent:</u>								
Telegrams	TTLS		X	X			X	X
Press (Equated 30 Words to Message)	TPRS		X	X			X	X
Money Transfers	TMTS		X	X			X	X
Commercial News Dispatch (Equated 30 Words to Message)	TCNS		X					X
Total Telegrams Sent	TS		X	X			X	X
<u>Received from the United States:</u>								
Telegrams	TTLRUS		X	X			X	X
Press (Equated 30 Words to Message)	TPRRUS			X			X	X
Money Transfers	TMTRUS		X	X			X	X
Commercial News Dispatch (Equated 30 Words to Message)	TCNRUS							X
Total Telegrams Received from the U.S.	TRUS		X	X			X	X
<u>Total Telegrams Transmitted:</u>								
Telegrams -	TTL		X	X			X	X
Press (Equated 30 Words to Message)	TPR		X	X			X	X
Money Transfers	TMT		X	X			X	X
Commercial News Dispatch (Equated 30 Words to Message)	TCN		X					X
Grand Total of Telegrams Transmitted	TT		X	X			X	X

OPERATING STATISTICS - TELECOMMUNICATIONS CARRIERS

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
CABLEGRAMS TRANSMITTED								
<u>Messages Sent:</u>								
Transferred to Cable Companies	CTCCS		X	X			X	X
Transferred to Canadian Land Lines	CTCLLS						X	X
Transferred to Foreign Land Lines	CTFLLS							
Transferred to Wireless Companies	CTWCS							
Total Messages Sent	CS		X	X			X	X
<u>Messages Received:</u>								
Transferred from Cable Companies	CTCCR		X	X			X	X
Transferred from Canadian Land Lines	CTCLLR						X	X
Transferred from Foreign Land Lines	CTFLLR		X					X
Transferred from Wireless Companies	CTWCR							
Total Messages Received	CR		X	X			X	X
<u>Originated in Canada:</u>								
Received from Land Lines	COCRLL				X		X	X
Filed in Cable Office by Sender	COCFCO				X			X
<u>Terminated in Canada:</u>								
Delivered to Land Lines for Delivery	CTCDLL				X		X	X
Delivered Direct to Addressee	CTCDDA				X			X
Originated and Terminated in Other Countries & Handled at Canadian Stations (Not Included Above)	COTOC		X		X		X	X
Grand Total (Including Duplications)	CTID		X	X	X		X	X
Grand Total (Excluding Duplications)	CTED		X	X	X		X	X

OPERATING STATISTICS - TELECOMMUNICATIONS CARRIERS

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
MONEY TRANSFERS (DOLLARS)								
<u>Money Transfers To:</u>								
United States	MTSUS		X	X				X
United Kingdom	MTSUK							
Other Foreign Countries	MTSOFC							
Total	MTS		X	X				X
<u>Money Transfers From:</u>								
United States	MTRUS		X	X				X
United Kingdom	MTRUK							
Other Foreign Countries	MTROFC							
Total	MTR		X	X				X
<u>Money Transfers To and From:</u>								
United States	MTUS		X	X				X
United Kingdom	MTUK							
Other Foreign Countries	MTOFC							
Between Canadian Stations	MTBC		X	X			X	X
Grand Total of Money Transfers	MT		X	X			X	X

PROPERTY STATISTICS - TELECOMMUNICATIONS CARRIERS

ITEM	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					
		Total Companies. (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	Total Companies (TC)
<u>WIRE AND CABLE LENGTH</u>								
<u>Kilometers of Wire:</u>								
All Overhead Wire not in Cables, Aluminum	OWOVA		X					X
All Overhead Wire not in Cables, Copper	OWOVC		X	X				X
All Overhead Wire not in Cables, Iron	OWOVI		X	X				X
Wire in Cables (In Service)	OWCBS		X	X				X
Total Kilometers of Wire in Canada	OWICAN		X	X				X
Kilometers of Wire Outside of Canada	OWOCAN		X	X				X
Total Kilometers of Wire	OW		X	X			X	X
<u>Kilometers of Cable:</u>								
Overhead	OCOY		X	X			X	X
Underground	OCUND		X	X			X	X
Submarine	OCSBM		X	X			X	X
Total Kilometers of Cable in Canada	OCICAN		X	X			X	X
Kilometers of Cable Outside of Canada	OCOCAN		X	X				X
Total Kilometers of Cable	OC		X	X			X	X
<u>CHANNEL & CIRCUIT DISTANCES</u>								
<u>Kilometers of Carrier Channels:</u>								
Telegraph	OCCTG		X	X			X	X
Telephone	OCCTL		X	X			X	X
Channels Outside of Canada	OCOC		X	X				X
<u>Kilometers of Telegraph Circuits Assigned To:</u>								
Automatic Printer	OTGCAP		X	X			X	X
Morse	OTGCM		X	X				X
Circuits Outside of Canada	OTGCOC		X	X				X

PROPERTY STATISTICS - TELECOMMUNICATIONS CARRIERS

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	Total Companies (TC)
<u>Kilometers of Telephone Circuits Assigned To:</u>								
Long Distance	OTLCLD		X	X			X	X
Train Dispatching	OTLCTD		X	X			X	X
Circuits Outside of Canada	OTLCOC		X	X				X
Kilometers of Cable Between Canadian Stations	OCBC				X		X	X
Kilometers of Cable Between Canadian & Foreign Stations	OCBCF				X		X	X
<u>Pole Line Kilometers</u>								
Owned by Respondent	OPLRT		X	X			X	X
Pole Line Kilometers Outside of Canada	OPLCOC		X	X				X
<u>Number of Offices</u>								
Number of Offices at which Telegrams or Cablegrams are Received and Forwarded in Canada	OFFIC		X	X	X		X	X
Offices Outside of Canada	OFFOC						X	
Total Number of Offices	OFF		X	X	X		X	X

TELEPHONE PLANT (AT COST)

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
Land	KLA	X						
Buildings	KBL	X						
<u>Structures Other Than Buildings (Outside Plant)</u>								
Pole Lines	KPOLE	X						
Aerial Cable	KAERC	X						
Underground Cable	KUNDC	X						
Buried Cable (Less Duct)	KBURC	X						
Submarine Cable	KSBMC	X						
Aerial Wire	KAERW	X						
Underground Conduit	KUNDCD	X						
Total Structures	KSA	X						
<u>Machinery and Equipment</u>								
Central Office Equipment:								
Manual	KMAN	X						
Step-by-Step	KSBS	X						
Crossbar	KCSB	X						
Circuit	KCIR	X						
Radio	KRAD	X						
Electronic	KELE	X						
Total Central Office Equipment	KCA	X						
Station Equipment:								
Station Apparatus	KSAPP	X						
Station Connections	KSCON	X						
Miscellaneous	KSMIS	X						
Total Station Equipment	KSTA	X						
General Equipment:								
Furniture and Office Equipment	KFOF	X						
Vehicle and Other Work Equipment	KVOW	X						
Total General Equipment	KGA	X						
Other Machinery and Equipment	KMEOT	X						

TELEPHONE PLANT (AT COST)

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
Sub-Total Telephone Plant in Service	AKSUB	X						
Plant under Construction	KPUC	X						
Other Telephone Plant	KOT	X						
Total Telephone Plant (At End of Year)	AK	X						

EMPLOYMENT STATISTICS - SALARIES AND WAGES

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Full-Time</u>								
Accounting, Engineering and Administrative Commercial and Traffic	WFAEA	X						
Plant	WFCT	X						
Other	WFP	X						
Total Full-Time	WPOT	X						
	WP	X						
<u>Part-Time & Casual</u>								
Accounting, Engineering and Administrative Commercial and Traffic	WPAEA	X						
Plant	WPCT	X						
Other	WPP	X						
Total Part-Time & Casual	WPOT	X						
	WP	X						
Total Salaries and Wages	W	X	X	X	X	X	X	X
<u>Commissions Paid</u>								
To Railway Employees	WCRR		X	X			X	X
To Other Persons	WCOP		X	X				X
Total Commissions Paid	WC		X	X			X	X
<u>Analysis of Wage Payments - Telephone Industry</u>								
Charged to Operating Expense Account:								
Maintenance	WMAIN	X						
Traffic	WTRAF	X						
Marketing and Commercial	WPKCO	X						
Other	WOT	X						
Total Charged to Operating Expense Account	WOP	X						
Charged to Construction Account	WCN	X						
Total Wage Payments (See Above-Total Salaries and Wages also)	W	X						

EMPLOYMENT STATISTICS - NUMBER OF EMPLOYEES

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Full-Time</u>								
Accounting, Engineering and Administrative	NNFAEA	X						
Commercial and Traffic	NNFCT	X						
Plant	NNFP	X						
Other	NNFOT	X						
Total Full-Time	NNF	X						
<u>Part-Time & Casual</u>								
Accounting, Engineering and Administrative	NNPAEA	X						
Commercial and Traffic	NNPCT	X						
Plant	NNPP	X						
Other	NNPOT	X						
Total Part-Time & Casual	NNP	X						
Operators	NNOP		X	X	X		X	X
Other Officers and Employees	NNOE		X	X	X	X	X	X
Total Number of Employees	NN	X	X	X	X	X	X	X

TELEPHONE CALLS

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Telephone Calls</u>								
Local	OTCL	X						
Toll	OTCT	X						
Total	OTCA	X						
<u>Calls Per Telephone</u>								
Local	OCPTL	X						
Toll	OCPTT	X						
Total	OCPTA	X						
Calls Per Capita	OCPCA	X						

LONG DISTANCE TELEPHONE CALLS BETWEEN CANADA & OTHER COUNTRIES

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS				
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)
<u>Completed Calls Billed in Canada</u>							
<u>Country:</u>							
United States	OLDUS	X					
United Kingdom	OLDUK	X					
Other European Countries	OLDEUR	X					
Mexico	OLDMEX	X					
Bahamas	OLDBHS	X					
Bermuda	OLDBMA	X					
South America	OLDSA	X					
Asia	OLDASA	X					
Australia and New Zealand	OLDANZ	X					
British West Indies	OLDBWI	X					
Jamaica	OLDJMA	X					
Africa	OLDAFR	X					
Central America	OLDCAM	X					
Other	OLDOTII	X					
Total	OLDA	X					

TELEPHONES BY TYPE OF SERVICE AND PER 100 POPULATION

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
On Individual Lines: Residence	OILR	X						
Business	OILB	X						
On Two-Party Lines: Residence	OTPLR	X						
Business	OTPLB	X						
On Four-Party Lines: Residence	OFPLR	X						
Business	OFPLB	X						
On More Than Four-Party Lines: Residence	OMFPLR	X						
Business	OMFPLB	X						
Business (On Wide Area Telephone Service Lines) (WATS)	OBWATS	X						
Coin Telephones	OCCOIN	X						
Mobile Telephones	OMOB	X						
Sub-Total Main Telephones	OSUB	X						
Centrex Telephones	OCENT	X						
PBX Telephones: Residence	OPBXR	X						
Business	OPBXB	X						
Extension Telephones: Residence	OEXTR	X						
Business	OEXTB	X						
Total Telephones	OTELA	X						
Total Telephones Per 100 Population	OTPHUN	X						

TELEPHONE SYSTEMS AND TELEPHONES BY TYPE OF ORGANIZATION

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Government</u>								
Federal: Systems	OFEDS	X						
Telephones	OFEDT	X						
Provincial: Systems	OPROVS	X						
Telephones	OPROVT	X						
Municipal: Systems	OMUNS	X						
Telephones	OMUNT	X						
<u>Incorporated Companies</u>								
Systems	OINCCS	X						
Telephones	OINCCT	X						
<u>Cooperative</u>								
Systems	OCOOPS	X						
Telephones	OCOOPT	X						
<u>Sole Proprietorship</u>								
Systems	OSOLES	X						
Telephones	OSOLET	X						
<u>Total</u>								
Systems	OTSYSA	X						
Telephones	OTELA	X						

RESIDENCE & BUSINESS TELEPHONES AND
TELEPHONES WITH ACCESS TO DIRECT DISTANCE DIALING

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	Total Companies (TC)
<u>Telephones</u>								
Residence	ORES	X						
Business	OBUS	X						
Total	OTELA	X						
<u>Telephones With Access to Direct Distance Dialing</u>								
Number	ODDDN	X						
Percent of Total	ODDDPC	X						

TELEPHONES IN TELEPHONE EXCHANGES WITH
POPULATIONS OF 25,000 AND OVER

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
Exchanges	OEXC	X						
Telephones	OTEL	X						
Telephones Per 100 Population	ONPHUN	X						

RESIDENCE TELEPHONES

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
Total	ORES	X						
Per 100 Population	OPHRES	X						
<u>Households</u>								
Total	OHOUS	X						
With One Telephone	OHOUSO	X						
With Two or More Telephones	OHOUSH	X						

TELEPHONES CONNECTED TO CENTRAL OFFICES
BY TYPE OF SWITCHING EQUIPMENT

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Number of Telephones Connected To</u>								
<u>Manual Central Office Units:</u>								
Operated by Magneto Energy	OMAGE	X						
Operated by Central Energy	OCENE	X						
Total	OMCOA	X						
<u>Automatic Central Offices:</u>								
Step-by-Step	OSBS	X						
Crossbar	OCSB	X						
Electronic Switching	OELS	X						
Other	OAUTO	X						
Total	OAUTA	X						

EXCHANGE LINES OF THE TELEPHONE INDUSTRY, IN KILOMETERS

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	Total Companies (TC)
Single Aerial Wire	OESAW	X						
Wire in Cable: Aerial	OEAE	X						
Buried	OEBUR	X						
Underground	OEUND	X						
Submarine	OESBM	X						
Total Wire in Cable	OETWC	X						
Total Exchange Lines	OEXLA	X						

TOLL LINES OF THE TELEPHONE INDUSTRY, IN KILOMETERS

I T E M	ACRONYM	TELEPHONE	TELECOMMUNICATIONS					
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	Total Companies (TC)
Single Aerial Wire	OTSAW	X						
Wire in Cable: Aerial	OTAER	X						
Buried	OTBUR	X						
Underground	OTUND	X						
Submarine	OTSBM	X						
Total Wire in Cable	OTWC	X						
Total Toll Lines	OTLA	X						

CABLE AND POLE LINE, EXCHANGE LINES
OF THE TELEPHONE INDUSTRY, IN KILOMETERS

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Type of Cable</u>								
Aerial	OCEAER	X						
Buried	OCEBUR	X						
Underground	OCEUND	X						
Submarine	OCESBM	X						
Total Cable	OCETWC	X						
Kilometers of Pole Line	OPELA	X						

CABLE AND POLE LINE, TOLL LINES
OF THE TELEPHONE INDUSTRY, IN KILOMETERS

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Type of Cable</u>								
Aerial	OCTAER	X						
Buried	OCTBUR	X						
Underground	OCTUND	X						
Submarine	OCTSBM	X						
Total Cable	OCTTWC	X						
Pole Line Kilometers	OPTLA	X						

CARRIER SYSTEMS ON PHYSICAL CIRCUITS
OF THE TELEPHONE INDUSTRY

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	Total Companies (TC)
<u>Exchange Lines</u>								
Systems	OCESY	X						
Channels	OCECH	X						
Length of One-Way Channel (Kilometers)	OCELOW	X						
<u>Toll Lines</u>								
Systems	OCTSY	X						
Channels	OCTCH	X						
Length of One-Way Channel (Kilometers)	OCTLOW	X						

TELETYPEWRITERS AND DATA SETS BY TYPE OF SERVICE

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	Total Companies (TC)
<u>Teletypewriters</u>								
On Private Lines	OTWPL	X						
Connected to Exchanges	OTWCE	X						
Other	OTWOTH	X						
Total	OTWA	X						
<u>Data Sets</u>								
On Private Lines	ODSPL	X						
Connected to Exchanges	ODSCE	X						
Other	ODSOTH	X						
Total	ODSA	X						

LONG DISTANCE COMMUNICATION MEDIA

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Microwave Radio Relay Systems</u>								
Route Kilometers	OMRRSR	X						
Channel Kilometers	OMRRSC	X						
<u>High Frequency Radio Systems</u>								
Systems	OIFRSS	X						
Exchanges Served	OIFRSE	X						

CONSTRUCTION EXPENDITURES OF THE TELEPHONE INDUSTRY,
BY PROVINCE

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>Province</u>								
Newfoundland	BXNFLD	X						
Prince Edward Island	BXPEI	X						
Nova Scotia	BXNS	X						
New Brunswick	BXNB	X						
Quebec	BXQUE	X						
Ontario	BXONT	X						
Manitoba	BXMAN	X						
Saskatchewan	BXSASK	X						
Alberta	BXALTA	X						
British Columbia	BXBC	X						
Northwest Territories	BXNWT	X						
Total (All Canada)	BXA	X						

DIRECT DISTANCE DIALING TELEPHONES, CENTREX
AND PBX SYSTEMS, AND TELEPHONE MOVEMENT

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	Total Companies (TC)
* Telephones with Access to Direct Distance Dialing	OADDD	X						
* Centrex Systems	DCENTS	X						
* PBX Systems	OPBXS	X						
Telephones in Service at Beginning of Year	O TELBY	X						
Connected During Year (Inward Movement)	OCDY	X						
Disconnected During Year (Outward Movement)	ODDY	X						
Net Gain During Year	ONGDY	X						
Purchases, Sales and Adjustments During Year	OPSADY	X						
Increase in Telephones During Year	OITDY	X						
* Telephones in Service	O TELS	X						
* At End of Year								

VALUE OF CONSTRUCTION AND REPAIR WORK
- TELECOMMUNICATIONS CARRIERS

I T E M	ACRONYM	TELEPHONE	T E L E C O M M U N I C A T I O N S					Total Companies (TC)
		Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	
<u>New Construction</u>								
Company Employees	BNCOE							X
Contractors	BNCON							X
Total	BXN							X
<u>Alteration and Maintenance Repair Work</u>								
Company Employees	BANCOE							X
Contractors	BANCON							X
Total	BXAM							X
<u>Total Construction & Alteration and Maintenance</u>								
Company Employees	BXCOE							X
Contractors	BXCON							X
Total	BXT							X

MESSAGES HANDLED BY MARINE RADIO STATIONS
OF THE MINISTRY OF TRANSPORT, BY PROVINCE

I T E M	T E L E C O M M U N I C A T I O N S						
	TELEPHONE Total Companies (TL)	Canadian National (CN)	Canadian Pacific (CP)	Teleglobe Canada (TG)	Telesat Canada (TS)	Other Companies (TO)	Total Companies (TC)
<u>Commercial Messages To and From Ships</u>							
Newfoundland							X
Prince Edward Island							X
Nova Scotia							X
New Brunswick							X
Quebec							X
Ontario							X
Manitoba							X
British Columbia							X
Northwest Territories							X
Total							X
<u>Radiotelephone Calls To and From Ships</u>							
Newfoundland							X
Prince Edward Island							X
Nova Scotia							X
New Brunswick							X
Quebec							X
Ontario							X
Manitoba							X
British Columbia							X
Northwest Territories							X
Total							X
<u>Total Commercial Messages & Radiotelephone Calls</u>							
Newfoundland							X
Prince Edward Island							X
Nova Scotia							X
New Brunswick							X
Quebec							X
Ontario							X
Manitoba							X
British Columbia							X
Northwest Territories							X
Total							X

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