

**WORKING PAPER**

Scientific and Technological Resources Division  
Scientific and Technological Activities  
and Resources Information Group

**ADVANCE STATISTICS  
ON FEDERAL SCIENTIFIC EXPENDITURES  
1973-75**

**May, 1974**

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**Ministry of State**

**Science and  
Technology**

**Ministère d'État**

**Sciences et  
Technologie**



FOREWORD

Scientific and Technological Resources Division  
Scientific and Technological Activities  
and Resources Information Group

This paper presents a summary of the PRELIMINARY results of the 1974 Statistics Canada Surveys of Federal Government Activities in the natural and human sciences. Data on expenditures only are included and are subject to minor revision.

These data are not identical to those obtained through the Treasury Board Secretariat - Program Design and Investment Branch release forecasts.

ADVANCE STATISTICS  
ON FEDERAL SCIENTIFIC EXPENDITURES  
1973-75

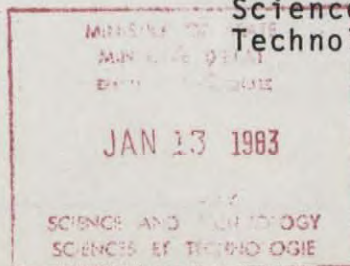
Although the totals are similar (less 11 per cent for 1974-75), significant discrepancies among some subtotals exist for some departments and agencies. Reconciliation between the different figures has not been initiated and, to be properly executed, is likely to require substantial discussion with the departments concerned.

May, 1974

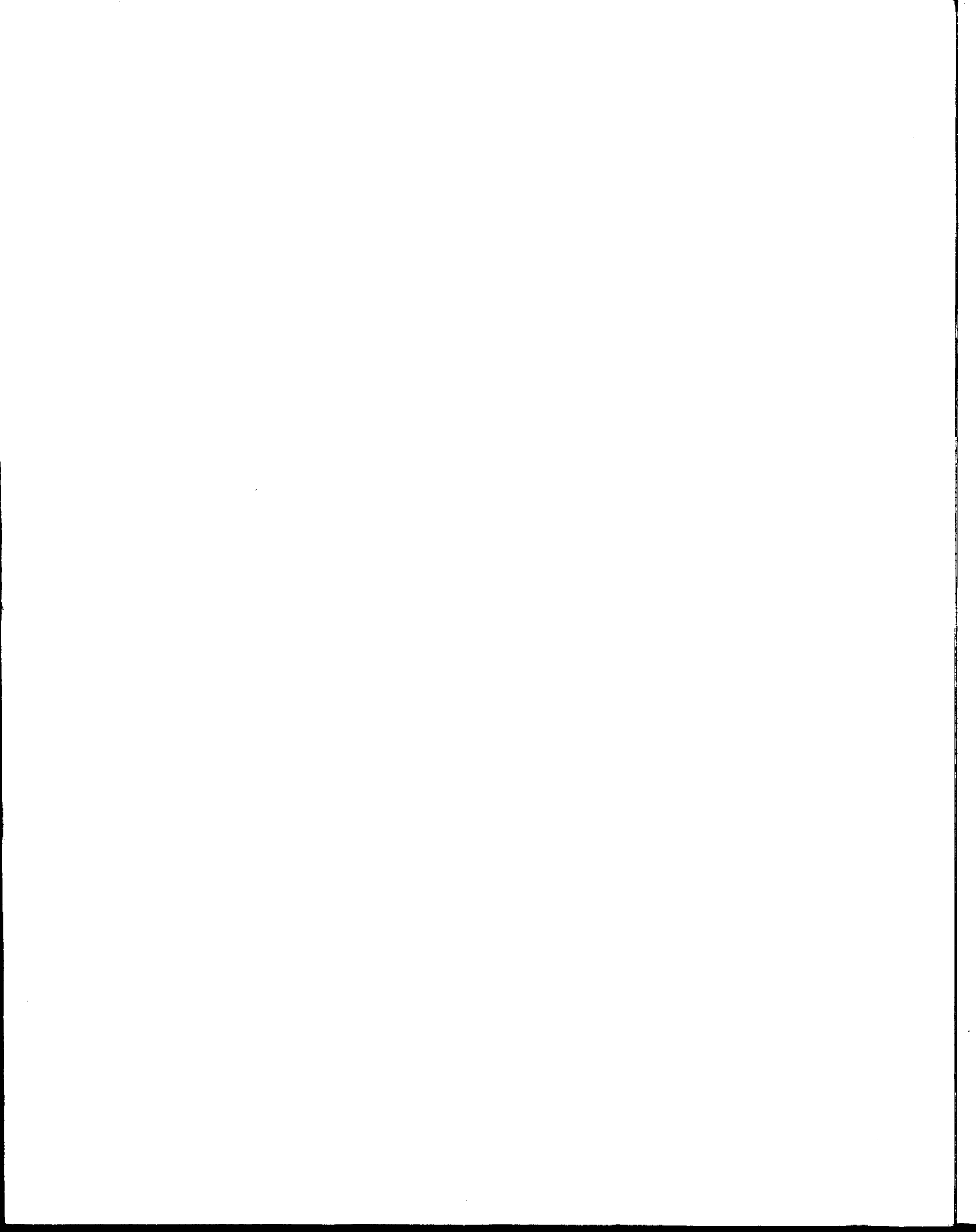
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Ministry of State  
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## FOREWORD

This paper presents a summary of the PRELIMINARY results of the 1974 Statistics Canada Surveys of Federal Government Activities in the natural and human sciences. Data on expenditures only are included and are subject to minor revision.

These data are not identical to those obtained through the Treasury Board Secretariat - Program Review and Assessment Branch science forecast exercise. Although the totals are similar (less than 1% difference for 1973-74 figures and 3% for 1974-75), significant discrepancies among some subtotals exist for some departments and agencies. Reconciliation between the different figures has not been initiated and, to be properly executed, is likely to require substantial discussion with the departments concerned.

May 10, 1974.

## **SYMBOLS**

- nil or zero
- amount too small to be expressed
- ... figures not appropriate or applicable

## **NOTES**

1. Totals in this report may not add due to rounding. Percentages were calculated using unrounded figures.
2. Expenditure data cover the federal government fiscal year beginning April 1 of one year and ending March 31 of the following year; thus, fiscal year 1974 began on April 1, 1973 and will end March 31, 1974.
3. The source of all data in this report is Statistics Canada unless otherwise indicated.

# HIGHLIGHTS

Federal expenditures on science are expected to reach \$1,370.5 million in 1975; this represents a 7.9% (\$99.7 million) increase over the \$1,270.8 million total for 1974. The natural sciences will receive 77% and the human sciences 23%.

Support of R&D will account for 62% of the science budget, related scientific activities for the remainder.

It is expected that approximately 67% of federal scientific expenditures (\$915 million) will be directed to work in federal establishments; the share for universities and non-profit institutions is estimated at 15% (\$208 million) and Canadian industry 14% (\$189 million).

In 1975 intramural spending is expected to show the greatest growth; it is anticipated that intramural spending will increase by 9.5% (\$79.2 million); a 4.4% increase (\$9 million) is predicted in the support of educational and non-profit institutions, while funding of the industrial sector is expected to decline 1.6% (\$3 million).

Eight departments and agencies will account for 72% of the total science budget. DOE, the largest, will spend \$249 million or 18% of the total. NRC, ranking second, is expected to spend \$163 million or 12% and DND, ranking third, \$108 million or 8%. AECL, Statistics Canada, ITC, Agriculture, and EMR, each with expenditures between \$85 and \$99 million represent another 34% of the total.

In 1975 spending on the natural sciences is expected to increase by only 4.9%, the lowest increase of the past decade. In contrast, expenditures on the human sciences are expected to rise by 19%.

In the natural sciences, six departments and agencies are expected to account for 90% of intramural expenditures totalling \$695 million. DOE will spend approximately \$225 million or one-third of the total. Five other departments and agencies will each spend between \$75 and \$87 million, accounting for a further 58%. In the human sciences, Statistics Canada is expected to be the only major intramural performer. Statistics Canada's expenditures are expected to equal \$99 million in 1975, 45% of total intramural expenditures in the human sciences.

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# ABBREVIATIONS

AECB	Atomic Energy Control Board
AECL	Atomic Energy of Canada Limited
AGR	Department of Agriculture
CBC	Canadian Broadcasting Corporation
CC	Canada Council
CCA	Consumer and Corporate Affairs
CIDA	Canadian International Development Agency
CMHC	Central Mortgage and Housing Corporation
DIP	Defence Industry Productivity Program
DIR	Defence Industrial Research Program
DND	Department of National Defence
DOC	Department of Communications
DOE	Department of the Environment
DPW	Department of Public Works
EC	Economic Council of Canada
ED&PNP	Educational & Non-Profit Institutions
EMR	Department of Energy, Mines and Resources
IDRC	International Development Research Centre
INA	Department of Indian and Northern Affairs
IRAP	Industrial Research Assistance Program
IRDIA	Industrial Research and Development Incentives Act
ITC	Department of Industry, Trade and Commerce
MI	Department of Manpower and Immigration
MOSST	Ministry of State for Science and Technology
MOSUA	Ministry of State for Urban Affairs
MOT	Ministry of Transport
MRC	Medical Research Council
NL	National Library
NRC	National Research Council
PA	Public Archives
PAIT	Program for the Advancement of Industrial Technology
PCO	Privy Council Office
PSC	Public Service Commission
R&D	Research and Development
REE	Department of Regional Economic Expansion
RSA	Related Scientific Activities
SC	Statistics Canada
SLSA	St. Lawrence Seaway Authority
SS	Secretary of State

# INTRODUCTION

These advance statistics on federal expenditures in the natural and human sciences have been assembled to provide an indication of the pattern of federal science funding in 1974-75. They are based on the estimates provided by all departments and agencies in response to the annual Statistics Canada Surveys of Federal Government activities in the natural and human sciences.

The presentation of data closely resembles the format adopted in the MOSST publication "Federal Scientific Resources, 1972 to 1974": that is to say that this document is divided into three parts: the first provides data on total federal science expenditures; the second on natural science expenditures; and the third on human science expenditures. Data are broken down by activity, performing sector, department or agency and type of expenditure; information on applications, field of science, regional distribution and manpower is not available at this time.

In comparing the data appearing on the following pages with those in the December 1973 "Green Book" the user will note that the data for 1972-73 and 1973-74 reflect budgetary adjustments made since the preparation of that publication and are more accurate.

Expenditure data include the direct costs and non-program ("indirect") costs of scientific activities; the latter include the value of services supplied by other departments, accommodation provided by the reporting agency and administration program costs attributable to scientific activities; they apply only to the intramural activities of departments and agencies (the term "intramural" refers to in-house activities and the administration of extramural programs).

P. G. Bernier  
Coordinator  
STARI Group  
S&T Resources Division  
Cooperation Branch.



**PART ONE**

**NATURAL AND HUMAN SCIENCES**

TABLE 1

Federal expenditures on the natural and human sciences are expected to reach \$1370.5 million in 1975, an increase of \$99.7 million or 7.9%. This is less than the 1974 growth of \$139.1 million (12.3%) but is similar to that of 1973 (\$90 million or 8.6%).

Support of R&D is estimated at \$855.8 million, a 7% rise over 1974. Support of related scientific activities will grow by 9.2% to \$514.7 million.

The percentage of funds allocated to R&D will continue to decline in 1975, from 62.9% to 62.4%, while the percentage allocated to related scientific activities will rise accordingly..

*(This table updates Chart 1, page 13 of the "Green Book", December, 1973)*

TABLE 1

Federal Expenditures on Scientific Activities  
by Activity, 1973-75  
(\$ millions)

Activity	1973		1974		1975	
	\$	%	\$	%	\$	%
Research & Development	718.2	( 63.5)	799.5	( 62.9)	855.8	( 62.4)
Related Scientific Activities	413.4	( 36.5)	471.2	( 37.1)	514.7	( 37.6)
<b>TOTAL</b>	<b>1131.6</b>	<b>(100.0)</b>	<b>1270.8</b>	<b>(100.0)</b>	<b>1370.5</b>	<b>(100.0)</b>



TABLE 2

Expenditures within federal establishments are expected to grow to \$915 million in 1975, a 9.5% increase. This is a decline from the 1974 increase of 11.8%.

Funding of extramural performers is expected to increase by only 4.7% in 1975. Previous rates of growth were 13.3% in 1974 and 4.4% in 1973. Percentage increases for individual extramural performers in 1975 will be: educational and non-profit institutions (4.5%), industry (-1.6%), other Canadian performers (28.9%) and foreign performers (36%).

The percentage of funds allocated intramurally is expected to rise by 1% to 66.8%. Industry's share will decline by 1.3% and that of educational and non-profit institutions by 0.5%.

*(This table updates Chart 2, page 14 of the "Green Book", December, 1973)*

TABLE 2

**Federal Expenditures on Scientific Activities  
by Performer, 1973-75  
(\$ millions)**

Performer	1973		1974		1975	
	\$	%	\$	%	\$	%
Intramural	747.8	( 66.1)	835.8	( 65.8)	915.0	( 66.8)
Educational and Non-Profit Institutions	178.6	( 15.8)	198.6	( 15.6)	207.6	( 15.1)
Industry	170.7	( 15.1)	192.4	( 15.1)	189.4	( 13.8)
Other Canadian	12.3	( 1.1)	14.9	( 1.2)	19.2	( 1.4)
Foreign	22.1	( 2.0)	28.9	( 2.3)	39.3	( 2.9)
<b>TOTAL</b>	<b>1131.6</b>	<b>(100.0)</b>	<b>1270.8</b>	<b>(100.0)</b>	<b>1370.5</b>	<b>(100.0)</b>

TABLE 3

Federal expenditures in the natural sciences are expected to increase to \$1060.8 million in 1975, or 77.4% of total science expenditures. Spending in the human sciences is expected to reach \$309.6 million, 22.6% of the total.

The percentage of funds allocated to the human sciences has been rising since 1973 at the rate of about 2% a year.

Eight departments and agencies will account for 72% of the total budget for the natural and human sciences. DOE will continue to be the largest spender with expenditures of \$249 million or 18.2% of the total. NRC ranks second with estimated expenditures of \$163 million (11.9%). Six other departments and agencies - DND, AECL, Statistics Canada, ITC, Agriculture and EMR - each account for about 7% of the total.

Eight departments and agencies are expected to increase their expenditures by \$5 million or more. These are: DOE by \$21.7 million (a 9.5% increase), Statistics Canada by \$16.2 million (19.6%), DND by \$10.4 million (10.7%), Agriculture by \$8.9 million (11.1%), IDRC by \$6.6 million (41.5%), NHW by \$5.8 million (12.2%), MOSUA by \$5.4 million (87.1%) and NRC by \$5 million (3.2%).

The major performer in the natural sciences will be DOE with estimated expenditures of \$240.6 million. Statistics Canada with \$98.9 million in expenditures will be the major human sciences performer.

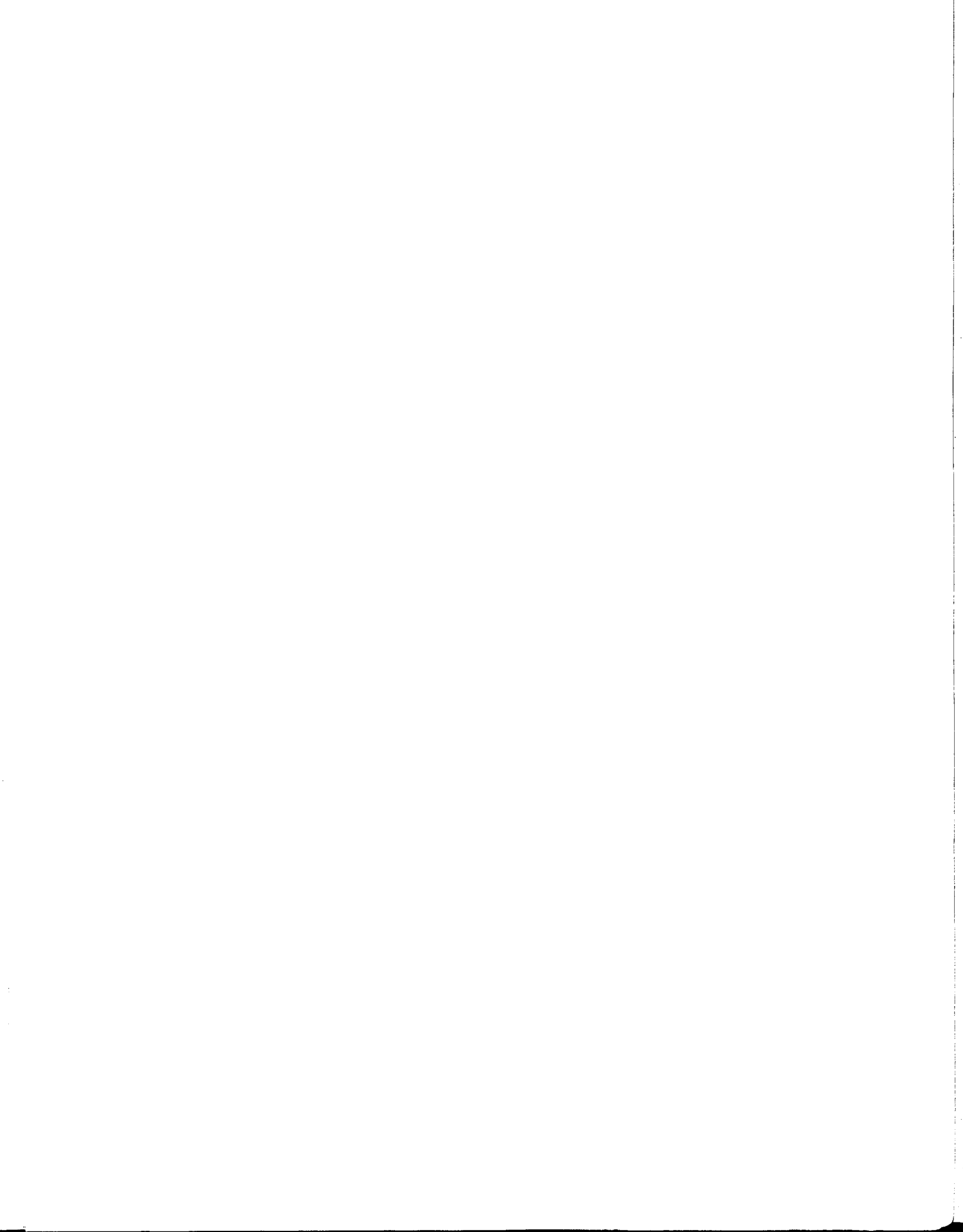
TABLE 3

Federal Expenditures on Scientific Activities  
by Department or Agency, 1973-75

(\$ millions)

Department or Agency	1973			1974			1975		
	Natural	Human	Total	Natural	Human	Total	Natural	Human	Total
DOE	198.4	8.1	206.5	219.3	8.0	227.3	240.6	8.3	249.0
NRC	150.7	-	150.7	158.0	-	158.0	163.0	-	163.0
DND	92.8	2.9	95.7	93.8	3.4	97.2	103.7	3.8	107.6
AECL	85.9	-	85.9	97.9	-	97.9	99.1	-	99.1
Statistics Canada	-	66.3	66.3	-	82.7	82.7	-	98.9	98.9
ITC	92.4	0.8	93.1	101.6	2.0	103.6	95.5	2.1	97.6
Agriculture	72.6	1.4	74.0	78.7	1.6	80.3	87.6	1.6	89.2
EMR	72.9	1.8	74.8	78.7	2.1	80.8	82.2	2.4	84.6
NHW	27.5	9.0	36.5	32.9	14.7	47.6	32.3	21.0	53.4
MRC	38.2	-	38.2	41.2	-	41.2	41.3	-	41.3
Communications	26.0	0.7	26.6	31.3	1.0	32.2	31.8	1.5	33.3
CIDA	18.2	5.4	23.6	20.9	7.7	28.6	22.3	8.5	30.8
Canada Council	-	20.8	20.8	-	22.8	22.8	-	24.5	24.5
IDRC	4.2	5.1	9.3	6.7	9.2	15.9	12.4	10.2	22.5
MOT	5.2	5.6	10.9	8.7	6.9	15.5	8.1	6.3	14.4
INA	4.1	4.7	8.8	5.3	5.8	11.1	6.1	6.8	12.9
CCA	7.6	1.5	9.1	8.8	1.9	10.7	9.6	2.1	11.7
MOSUA	-	3.8	3.8	-	6.2	6.2	-	11.6	11.6
National Museums	3.2	3.2	6.4	4.7	3.7	8.4	5.2	4.5	9.6
MI	-	8.2	8.2	-	8.7	8.7	-	9.5	9.5
Others <sup>1</sup>	22.8	59.6	82.4	22.5	71.3	94.1	20.0	86.0	106.0
<b>TOTAL</b>	<b>922.7</b>	<b>208.9</b>	<b>1131.6</b>	<b>1011.0</b>	<b>259.7</b>	<b>1270.8</b>	<b>1060.8</b>	<b>309.6</b>	<b>1370.5</b>

<sup>1</sup>Thirty-four other departments and agencies will account for the \$106 million in 1975.



**PART TWO**

**NATURAL SCIENCES**



TABLE 4

It is expected that federal support of activities in the natural sciences in all sectors will reach \$1061 million in 1975, a 4.9% increase over 1974.

Research and development expenditures will rise to \$752 million, \$32 million more than the previous year; related scientific activities will account for \$309 million, a \$18 million increase.

While R&D activities have received over three-quarters of federal science dollars during most of the past decade, their share of the science budget will decrease to 71% of the total in 1975; it has dropped yearly since 1969 when it represented 78%.

*(This table updates Chart 11 on page 25 and Table 2-1 on page 69 of the "Green Book", December, 1973)*

TABLE 4

Federal Expenditures on Scientific Activities  
by Activity, 1965-75  
(\$ millions)

	Research & Development		Related Scientific Activities		Total	
	\$	%	\$	%	\$	%
1965	281.6	(77.1)	83.8	(22.9)	365.5	(100.0)
1966	339.8	(77.5)	98.7	(22.5)	438.5	(100.0)
1967	381.9	(76.6)	116.7	(23.4)	498.6	(100.0)
1968	450.8	(77.5)	130.7	(22.5)	581.4	(100.0)
1969	524.6	(78.2)	146.1	(21.8)	670.6	(100.0)
1970	540.1	(76.3)	167.6	(23.7)	707.7	(100.0)
1971	590.8	(75.0)	197.1	(25.0)	787.9	(100.0)
1972	620.6	(72.6)	234.0	(27.4)	854.6	(100.0)
1973	655.4	(71.0)	267.3	(29.0)	922.7	(100.0)
1974	720.1	(71.2)	290.9	(28.8)	1011.0	(100.0)
1975	752.2	(70.9)	308.6	(29.1)	1060.8	(100.0)

TABLE 5

The 4.9% growth in federal expenditures on the natural sciences in 1975 is expected to be the lowest of the past decade; only in 1970 was a similarly low increase (5.5%) registered.

Spending within federal establishments will continue to rise, but at a reduced rate from recent years: 6.7% compared to 8.7% in 1974 and 12.3% in 1973.

Estimated payments to industry for all scientific activities show a decline in 1975, from \$184 to \$180 million. Consequently, industry's share of the federal science budget will drop to 17.0% from 18.2%.

Support of educational and non-profit institutions is also expected to drop slightly in 1975, from \$150.4 to \$149.5 million. The proportion of federal funds to this sector has declined constantly since 1970, from 18.4 to 14.1% of the total.

*(This table updated Chart 12 on page 26 and Table 2-2 on page 69 of the "Green Book", December, 1973)*

TABLE 5

Federal Expenditures on Scientific Activities  
by Performer, 1965-75  
(\$ millions)

	Intramural		Industry		ED & PNP		Others <sup>1</sup>		Total	
	\$	%	\$	%	\$	%	\$	%	\$	%
1965	271.0	(74.2)	59.1	(16.2)	33.7	( 9.2)	1.6	(0.4)	365.5	(100.0)
1966	310.3	(70.8)	78.2	(17.8)	47.9	(10.9)	2.1	(0.5)	438.5	(100.0)
1967	343.4	(68.9)	87.2	(17.5)	65.1	(13.1)	2.9	(0.5)	498.6	(100.0)
1968	395.8	(68.1)	87.5	(15.0)	93.9	(16.1)	4.3	(0.8)	581.4	(100.0)
1969	436.1	(65.0)	111.6	(16.6)	115.4	(17.2)	7.5	(1.2)	670.6	(100.0)
1970	450.8	(63.7)	115.2	(16.3)	130.4	(18.4)	11.3	(1.6)	707.7	(100.0)
1971	490.7	(62.3)	151.8	(19.3)	132.6	(16.8)	12.8	(1.6)	787.9	(100.0)
1972	534.0	(62.5)	160.4	(18.8)	141.3	(16.5)	18.8	(2.2)	854.6	(100.0)
1973	599.6	(65.0)	165.3	(17.9)	138.8	(15.0)	19.0	(2.1)	922.7	(100.0)
1974	651.8	(64.5)	184.4	(18.2)	150.4	(14.9)	24.5	(2.4)	1011.0	(100.0)
1975	695.4	(65.6)	180.2	(17.0)	149.5	(14.1)	35.7	(3.4)	1060.8	(100.0)

<sup>1</sup>Includes other Canadian and foreign performers.

TABLE 6

Again in 1975 DOE is expected to be the major science spender with a budget of \$240.6 million; this represents a \$21.3 million increase over 1974. NRC's budget is estimated at \$163.0 million.

Seven departments and agencies will account for 82% of the total: DOE (23%), NRC (15%), DND (10%), AECL (9%), ITC (9%), Agriculture (8%) and EMR (8%).

Total growth of departmental expenditures over 1974 is estimated as follows: Agriculture (11%), DND (11%), DOE (10%), EMR (4%), NRC (3%), AECL (1%), and ITC (-6%).

The increase in extramural spending for the same departments is estimated at 12% for Agriculture, 28% for DND, 31% for DOE, -45% for EMR, 7% for NRC, -4% for AECL and -6% for ITC. The greatest dollar increases will be registered by NRC (\$6.0 million), DOE (\$3.8 million), and DND (\$3.7 million).

The overall increase in intramural spending is expected to equal 6.7%; that of extramural spending, a low 1.7%.

*(This table updates Chart 13 on page 27 and Table 2-3 on page 69 of the "Green Book", December, 1973)*

TABLE 6

Federal Intramural and Extramural Expenditures on Scientific Activities  
by Department or Agency, 1973-75  
(\$ millions)

Department or Agency	1973			1974			1975		
	Intra- mural	Extra- mural	Total	Intra- mural	Extra- mural	Total	Intra- mural	Extra- mural	Total
DOE	191.7	6.7	198.4	207.2	12.2	219.3	224.6	16.0	240.6
NRC	72.6	78.1	150.7	75.8	82.2	158.0	74.8	88.2	163.0
DND	78.0	14.8	92.8	80.8	13.0	93.8	87.0	16.7	103.7
AECL	64.4	21.4	85.9	73.1	24.7	97.9	75.3	23.7	99.1
ITC	2.4	90.0	92.4	2.7	98.9	101.6	2.7	92.7	95.5
AGR	71.8	0.8	72.6	77.9	0.8	78.7	86.7	0.9	87.6
EMR	65.5	7.4	72.9	70.6	8.2	78.7	77.7	4.5	82.2
MRC	0.7	37.5	38.2	0.9	40.4	41.2	1.0	40.4	41.3
NHW	13.0	14.5	27.5	13.1	19.7	32.9	14.9	17.4	32.3
DOC	13.5	12.5	26.0	15.9	15.3	31.3	17.2	14.6	31.8
Others <sup>1</sup>	27.2	38.3	65.3	33.8	43.9	77.6	33.5	50.3	83.7
<b>TOTAL</b>	<b>599.6</b>	<b>323.1</b>	<b>922.7</b>	<b>651.8</b>	<b>359.3</b>	<b>1011.0</b>	<b>695.4</b>	<b>365.4</b>	<b>1060.8</b>

<sup>1</sup>In 1975 others include primarily CIDA (\$22.3), IDRC (\$12.4), CCA (\$9.6), MOT (\$8.1), AECB (\$7.4) and INA (\$6.1).



## TABLE 7

Ninety-four percent of the 1975 natural science budget is expected to support the current activities of federal departments and agencies; capital expenses will amount to 7%.

Current expenditures have more than tripled in value since 1965 when they represented 86% of the total budget.

*(This table updates Chart 14 on page 28 and Table 2-5 on page 70 of the "Green Book", December, 1973)*

TABLE 7

Federal Current and Capital Expenditures on Scientific Activities, 1965-75  
(\$ millions)

	Current		Capital		TOTAL	
	\$	%	\$	%	\$	%
1965	315.4	(86.3)	50.1	(13.7)	365.5	(100.0)
1966	380.3	(86.7)	58.2	(13.3)	438.5	(100.0)
1967	441.3	(88.5)	57.3	(11.5)	498.6	(100.0)
1968	515.4	(88.6)	66.1	(11.4)	581.4	(100.0)
1969	601.0	(89.6)	69.7	(10.4)	670.6	(100.0)
1970	650.4	(91.9)	57.3	( 8.1)	707.7	(100.0)
1971	733.8	(93.1)	54.1	( 6.9)	787.9	(100.0)
1972	792.2	(92.7)	62.4	( 7.3)	854.6	(100.0)
1973	858.9	(93.1)	63.8	( 6.9)	922.7	(100.0)
1974	945.3	(93.5)	65.7	( 6.5)	1011.0	(100.0)
1975	993.5	(93.7)	67.3	( 6.3)	1060.8	(100.0)

TABLE 8

Federal support of scientific activities in Canadian universities and non-profit institutions is expected to equal \$149.5 million in 1975, a drop of almost \$1 million from the previous year.

NRC, MRC, and NHW will account for 82% of this assistance, with NRC contributing 45% (\$67 million), MRC 26% (\$38 million) and NHW 11% (\$17 million).

The value of support provided by the granting councils is essentially unchanged from 1974; NHW is expected to contribute \$2.5 million less than in 1974.

*(This table updates Chart 16 on page 30 of the "Green Book", December, 1973)*

TABLE 8

Federal Support of Scientific Activities in Canadian Universities and Non-Profit Institutions, 1973-75  
(\$ millions)

Department or Agency	1973		1974		1975	
	\$	%	\$	%	\$	%
NRC	65.4	( 47.1)	66.8	( 44.4)	67.2	( 45.0)
MRC	35.4	( 25.5)	38.3	( 25.5)	38.3	( 25.6)
NHW	14.4	( 10.3)	19.6	( 13.0)	17.1	( 11.4)
AECB	7.9	( 5.7)	7.2	( 4.8)	7.4	( 4.9)
DOE	3.0	( 2.1)	3.7	( 2.4)	4.9	( 3.3)
CIDA	2.7	( 1.9)	5.0	( 3.3)	4.5	( 3.0)
DND	3.1	( 2.3)	3.2	( 2.2)	3.1	( 2.1)
Others <sup>1</sup>	6.9	( 5.0)	6.6	( 4.4)	7.0	( 4.7)
<b>TOTAL</b>	<b>138.8</b>	<b>(100.0)</b>	<b>150.4</b>	<b>(100.0)</b>	<b>149.5</b>	<b>(100.0)</b>

<sup>1</sup>In 1975 others include primarily EMR (\$1.3), INA (\$1.0), IDRC (\$1.0), ITC (\$1.0), AGR (\$0.8) and AECL (\$0.8).

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TABLE 9

Federal support of R&D in the natural sciences is estimated at \$752.2 million in 1975, a 4.5% increase over the previous year.

Expenditures incurred within federal establishments should equal \$424.7 million or 6.2% more than 1974. This represents 56.5% of the total R&D budget for the natural sciences.

Canadian industry can expect to receive \$161.9 million or \$4.6 million less than the previous year. Educational and non-profit institutions will receive \$134.8 million, the same as in 1974.

*(This table updates Chart 18 on page 32 and Table 2-6 on page 71 of the "Green Book", December, 1973)*

TABLE 9

Federal Expenditures on Research & Development  
by Performer, 1973-75  
(\$ millions)

Performer	1973		1974		1975	
	\$	%	\$	%	\$	%
Intramural	369.6	( 56.4)	399.9	( 55.5)	424.7	( 56.5)
Industry	146.4	( 22.3)	166.5	( 23.1)	161.9	( 21.5)
Universities & Non-Profit Institutions	125.9	( 19.2)	134.8	( 18.7)	134.8	( 17.9)
Others <sup>1</sup>	13.5	( 2.1)	18.9	( 2.6)	30.8	( 4.1)
TOTAL	655.4	(100.0)	720.1	(100.0)	752.2	(100.0)

<sup>1</sup>Others include other Canadian and foreign performers.



TABLE 10

Five departments and agencies - NRC, DOE, ITC, AECL and Agriculture - will share two-thirds of the total federal R&D budget for the natural sciences. NRC will continue to be the major funder with expenditures of \$137 million or 18.2% of the total. DOE is now expected to be the second major source with expenditures of \$102 million or 13.6%. The remaining three major funders each account for more than 10% of the total: ITC (12.6%), AECL (12.4%) and Agriculture (11.2%).

Three of the major funders are expected to show above average growth in 1975: Agriculture (11.5%), NRC (6.9%) and DOE (6.7%). AECL's funding of R&D will remain constant while ITC's will decline by \$6 million.

Extramural expenditures are estimated at \$327.5 million, only a 2.3% increase over 1974. The extramural share of total expenditures will decline by just under 1% to 43.5% of the total.

As in 1974, ITC is expected to be the largest funder of extramural R&D while DOE will be the largest in-house performer.

*(This table updates Chart 19 on page 33 and Table 2-7 on page 71 of the "Green Book", December, 1973)*

TABLE 10

Federal Intramural and Extramural Expenditures on Research & Development  
by Department or Agency, 1973-75

(\$ millions)

Department or Agency	1973			1974			1975		
	Intra- mural	Extra- mural	Total	Intra- mural	Extra- mural	Total	Intra- mural	Extra- mural	Total
NRC	50.7	70.2	120.9	53.9	74.3	128.1	56.7	80.3	137.0
DOE	83.9	4.4	88.3	86.2	9.4	95.6	89.0	13.1	102.0
ITC	2.4	89.0	91.4	2.7	97.8	100.5	2.7	91.7	94.5
AECL	60.6	21.1	81.7	69.3	24.3	93.6	70.4	23.1	93.6
Agriculture	68.9	0.8	69.7	74.4	0.8	75.2	83.0	0.9	83.9
DND	38.1	14.8	52.8	40.2	13.0	53.2	43.3	16.6	59.9
EMR	33.6	4.6	38.3	36.2	5.5	41.7	38.5	2.2	40.7
MRC	0.7	35.8	36.5	0.8	38.8	39.6	0.9	38.8	39.7
Communications	13.1	12.3	25.4	15.5	15.1	30.6	16.7	14.2	30.9
NHW	9.4	13.9	23.4	8.6	19.2	27.8	10.6	16.8	27.4
Others <sup>1</sup>	8.2	18.9	27.0	12.1	22.0	34.2	12.9	29.8	42.6
TOTAL	369.6	285.8	655.4	399.9	320.2	720.1	424.7	327.5	752.2

<sup>1</sup>In 1975 others include primarily IDRC (\$9.9), MOT (\$7.4), AECB (\$7.4), CIDA (\$4.1) and REE (\$3.1).

TABLE 11

Federal assistance to Canadian educational and non-profit institutions for R&D in the natural sciences is expected to remain constant at \$134.8 million.

Three departments and agencies - NRC, MRC and NHW will account for 84% of the total federal support. NRC will remain the largest funder with expenditures of \$60 million or 44.5% of the total. MRC will spend \$36.8 million (27.3% of the total) and NHW \$16.5 million (12.2%).

Funding by NRC and MRC is expected to remain fairly constant while NHW's funding is expected to decline by \$2.5 million.

*(This table updates Chart 25 on page 38 and Table 2-12 on page 74 of the "Green Book", December, 1973)*

TABLE 11

Federal Support of Research & Development in Canadian Universities and Non-Profit Institutions  
by Department or Agency, 1973-75  
(\$ millions)

Department or Agency	1973		1974		1975	
	\$	%	\$	%	\$	%
NRC	58.2	( 46.2)	59.6	( 44.2)	60.0	( 44.5)
MRC	33.8	( 26.9)	36.8	( 27.3)	36.8	( 27.3)
NHW	13.8	( 11.0)	19.0	( 14.1)	16.5	( 12.2)
AECB	7.9	( 6.3)	7.2	( 5.4)	7.4	( 5.5)
DOE	2.8	( 2.3)	3.4	( 2.5)	4.7	( 3.5)
DND	3.1	( 2.5)	3.2	( 2.4)	3.1	( 2.3)
Others <sup>1</sup>	6.3	( 5.0)	5.6	( 3.9)	6.3	( 4.5)
TOTAL	125.9	(100.0)	134.8	(100.0)	134.8	(100.0)

<sup>1</sup>In 1975 others include EMR (\$1.2), INA (\$1.0), IDRC (\$0.9), AGR (\$0.8), AECL (\$0.8) and MOT (\$0.7).

TABLE 12

Canadian industry will receive \$160.7 million from the federal government in support of its R&D activities in 1975. This is a 3.1% decrease.

ITC's estimated payments of \$91 million (56.6% of the total) make it the major funder of industrial R&D. Four other departments and agencies account for another 39%: AECL (13.8%), NRC (9.4%), DND (8.2%) and Communications (7.1%).

Of the major funders only DND and NRC are expected to show increases in the funding of industrial R&D. DND's funding will rise by 42.6%; NRC's by 30%.

In 1975, it is estimated that \$111.1 million will be given to Canadian industry in the form of grants, \$6.3 million less than 1974. In contrast support through government contracts is expected to rise by \$1.5 million to \$49.7 million.

*(This table updates Chart 26 on page 39 and table 2-13 on page 74 of the "Green Book", December, 1973)*

TABLE 12

Payments to Canadian Industry for Research & Development  
by Department or Agency, 1973-75  
(\$ millions)

Department or Agency	1973			1974			1975			%
	Contracts	Grants	Total <sup>1</sup>	Contracts	Grants	Total <sup>1</sup>	Contracts	Grants	Total <sup>1</sup>	
ITC	-	88.3	88.3	-	97.0	97.0	-	91.0	91.0	( 56.6)
AECL	20.0	-	20.0	23.1	-	23.1	22.2	-	22.2	( 13.8)
NRC	-	10.5	10.5	-	12.0	12.0	-	15.2	15.2	( 9.4)
DND	6.6	4.2	10.8	4.8	4.5	9.3	8.7	4.5	13.2	( 8.2)
DOC	10.6	-	10.6	13.7	-	13.7	11.4	-	11.4	( 7.1)
DOE	0.9	-	0.9	3.8	0.6	4.4	4.3	-	4.3	( 2.7)
MOT	0.8	-	0.8	1.7	-	1.7	1.4	-	1.4	( 0.9)
EMR	0.4	2.8	3.3	0.5	3.3	3.9	0.4	0.3	0.7	( 0.4)
Others <sup>2</sup>	0.5	0.3	0.7	0.6	-	0.6	1.3	0.1	1.3	( 0.8)
TOTAL	39.8	106.1	145.9	48.2	117.4	165.7	49.7	111.1	160.7	(100.0)

<sup>1</sup>Total figures do not include industrial research fellowships, granted by NRC, which amounted to \$0.5 million in 1973, \$0.8 million in 1974, and will equal \$1.2 million in 1975.

<sup>2</sup>In 1975 others include CMHC (\$0.5), NHW (\$0.4), INA (\$0.3) and SLSA (\$0.1).

TABLE 13

Federal spending on related scientific activities in the natural sciences is estimated at \$308.6 million, a 6.1% increase over 1974.

As in previous years, data collection will remain the major activity with an estimated \$112 million in expenditures or 36% of the total. Scientific information will claim approximately 27% and testing and standardization 20%. Feasibility studies, scholarship programs and capital expenditures account for the remaining 17%.

*(This table updates Chart 28 on page 41 and Table 2-15 on page 75 of the "Green Book", December, 1973)*

TABLE 13

Federal Expenditures on Related Scientific Activities  
by Activity, 1973-75  
(\$ millions)

Activity	1973		1974		1975	
	\$	%	\$	%	\$	%
Data Collection	95.6	( 35.8)	104.3	( 35.8)	112.0	( 36.3)
Scientific Information	67.1	( 25.1)	75.3	( 25.9)	87.7	( 26.8)
Testing & Standardization	50.6	( 18.9)	54.6	( 18.8)	60.3	( 19.5)
Feasibility Studies	21.2	( 7.9)	21.3	( 7.3)	19.3	( 6.3)
Scholarship Programs	12.5	( 4.7)	14.8	( 5.1)	14.3	( 4.6)
Capital Expenditures	20.4	( 7.6)	20.6	( 7.1)	19.9	( 6.5)
TOTAL	267.3	(100.0)	290.9	(100.0)	308.6	(100.0)



TABLE 14

Intramural spending on related scientific activities will reach \$270.7 million in 1975 or 87.7% of the total RSA. This represents a slightly higher share (1.1%) of total expenditures than in 1974.

Intramural spending is expected to rise 7.5% over last year's level. Funding of RSA in educational and non-profit institutions is expected to show a much smaller increase (2.2%), and funding by other performers is expected to decline.

*(This table updates Chart 29 on page 42 and Table 2-16 on page 75 of the "Green Book", December, 1973)*

TABLE 14

Federal Expenditures on Related Scientific Activities  
by Performer, 1973-75  
(\$ millions)

Performer	1973		1974		1975	
	\$	%	\$	%	\$	%
Intramural	230.0	( 86.1)	251.8	( 86.6)	270.7	( 87.7)
Industry	18.9	( 7.1)	17.9	( 6.1)	18.3	( 5.9)
Educational & Non-Profit Institutions	13.0	( 4.8)	15.6	( 5.4)	14.7	( 4.8)
Others <sup>1</sup>	5.5	( 2.0)	5.6	( 1.9)	4.9	( 1.6)
<b>TOTAL</b>	<b>267.3</b>	<b>(100.0)</b>	<b>290.9</b>	<b>(100.0)</b>	<b>308.6</b>	<b>(100.0)</b>

<sup>1</sup>Others include other Canadian and foreign performers.

TABLE 15

DOE will continue to be the largest funder of related scientific activities in 1975 with an estimated budget of \$138.6 million or 45% of total RSA funding. This represents for DOE a growth in RSA funding of \$14.9 million or 12%.

Four other departments and agencies each account for more than 5% of the total: DND (14.2%), EMR (13.4%), NRC (8.4%) and CIDA (5.9%). CIDA is the major source of extramural funds.

By activity, the major spenders of current dollars will be: data collection - DOE with \$76 million; scientific information - DOE with \$37.8 million; testing and standardization - DND with \$38.3 million; feasibility studies - CIDA with \$10 million; and scholarship programs - NRC with \$7.2 million.

*(This table updates Chart 30 on page 43 and Table 2-17 on page 76 of the "Green Book", December, 1973)*

TABLE 15

Federal Intramural and Extramural Expenditures on Related Scientific Activities  
by Department or Agency, 1973-75  
(\$ millions)

Department or Agency	1973			1974			1975		
	Intra- mural	Extra- mural	Total	Intra- mural	Extra- mural	Total	Intra- mural	Extra- mural	Total
DOE	107.8	2.3	110.1	120.9	2.8	123.7	135.6	3.0	138.6
DND	40.0	-	40.0	40.6	-	40.6	43.8	0.1	43.9
EMR	31.9	2.8	34.7	34.3	2.7	37.0	39.2	2.3	41.5
NRC	21.9	7.9	29.7	21.9	8.0	29.9	18.1	7.9	26.0
CIDA	-	16.8	16.8	-	17.5	17.5	-	18.2	18.2
CCA	7.6	-	7.6	8.8	-	8.8	9.6	-	9.6
Others <sup>1</sup>	20.8	7.5	28.4	25.3	8.1	33.4	24.4	6.5	30.8
<b>TOTAL</b>	<b>230.0</b>	<b>37.3</b>	<b>267.3</b>	<b>251.8</b>	<b>39.1</b>	<b>290.9</b>	<b>270.7</b>	<b>38.0</b>	<b>308.6</b>

<sup>1</sup> In 1975 Others includes primarily AECL (\$5.5), NHW (\$4.9), INA (\$3.8), AGR (\$3.7) and DPW (\$3.1).



PART THREE

HUMAN SCIENCES

TABLE 16

Federal support of the human sciences is estimated at \$309.6 million in 1975, an increase of \$50 million over 1974.

Spending on research and development is expected to reach \$103.6 million, a 31% rise over the previous year; funding of related scientific activities will grow 14% to \$206.1 million.

Research and development activities will account for exactly one-third of expenditures identified for the human sciences. This share has increased from 30% in 1973.

*(This table updates Chart 34 on page 49 of the "Green Book", December, 1973)*

TABLE 16

Federal Expenditures on Scientific Activities  
By Activity, 1973-75  
(\$ millions)

Activity	1973		1974		1975	
	\$	%	\$	%	\$	%
R&D	62.8	( 30.1)	79.4	( 30.6)	103.6	( 33.4)
RSA	146.1	( 69.9)	180.3	( 69.4)	206.1	( 66.6)
<b>TOTAL</b>	<b>208.9</b>	<b>(100.0)</b>	<b>259.7</b>	<b>(100.0)</b>	<b>309.6</b>	<b>(100.0)</b>



TABLE 17

A 19% increase in federal funding of the human sciences is predicted for 1975; 24% was recorded between 1973 and 1974.

Estimated growth in expenditures over 1974 is 41% for non-profit institutions, 32% for provincial and municipal governments, 19% for federal establishments, 14% each for educational institutions and industry, and 12% for foreign performers.

Spending within federal establishments will account for 70.9% of the \$309.6 million total, educational institutions 13.4%, non-profit institutions 5.3%, foreign performers 5.0%, industry 2.9%, and provincial and municipal governments 2.4%. This distribution is almost unchanged from 1973 and 1974.

*(This table updates Chart 35 on page 50 of the "Green Book", December, 1973)*

TABLE 17

Federal Expenditures on Scientific Activities  
 By Performer, 1973-75  
 (\$ millions)

Performer	1973		1974		1975	
	\$	%	\$	%	\$	%
Intramural	148.2	( 70.9)	184.1	( 70.9)	219.6	( 70.9)
Educational Institutions	29.9	( 14.3)	36.5	( 14.1)	41.6	( 13.4)
Non-Profit Institutions	9.9	( 4.7)	11.7	( 4.5)	16.5	( 5.3)
Foreign	10.7	( 5.1)	13.8	( 5.3)	15.4	( 5.0)
Industry	5.5	( 2.6)	8.0	( 3.1)	9.1	( 3.0)
Provincial & Municipal Governments	4.7	( 2.3)	5.6	( 2.2)	7.4	( 2.4)
<b>TOTAL</b>	<b>208.9</b>	<b>(100.0)</b>	<b>259.7</b>	<b>(100.0)</b>	<b>309.6</b>	<b>(100.0)</b>

TABLE 18

In 1975 Statistics Canada will remain by far the largest spender in the human sciences with a budget estimated at \$98.9 million or 32% of the total. Canada Council, ranking second, will have an estimated budget of \$24.5 million or 7.9% of the total. NHW with a budget of \$21.0 million (6.8%) will rank third.

Funding by some departments and agencies has shown a remarkable growth. MOSUA has tripled its funding of the human sciences since 1973; both NHW and IDRC have doubled theirs. Total growth over 1974 expenditures is estimated as follows for the five largest spenders: Statistics Canada (19.5%), Canada Council (7.7%), NHW (43.2%), MOSUA (87.9%) and IDRC (10.1%).

The proportion of intramural to extramural spending will remain constant as in previous years with intramural expenditures accounting for just over 70% of the total and extramural expenditures just under 30%.

Statistics Canada (45%), National Library (3.9%), MI (3.8%) and Treasury Board (3.6%) will continue as the most important intramural performers in the human sciences. The most important extramural funders will be Canada Council (25.7%), NHW (14.9%) and CIDA (9.5%).

*(This table updates Chart 36 on page 51 and Table 3-1 on page 80 of the "Green Book", December, 1973)*

TABLE 18

Federal Intramural and Extramural Expenditures on Scientific Activities  
by Department or Agency, 1973-75

(\$ millions)

Department or Agency	1973			1974			1975		
	Intra- mural	Extra- mural	Total	Intra- mural	Extra- mural	Total	Intra- mural	Extra- mural	Total
SC	66.3	-	66.3	82.7	-	82.7	98.9	-	98.9
Canada Council	1.1	19.8	20.8	1.2	21.6	22.8	1.4	23.2	24.5
NHW	2.3	6.8	9.0	4.7	10.0	14.7	7.7	13.4	21.0
MOSUA	2.4	1.4	3.8	3.2	2.9	6.2	6.0	5.5	11.6
IDRC	1.8	3.4	5.1	3.2	6.0	9.2	3.6	6.6	10.2
MI	7.7	0.5	8.2	7.7	1.1	8.7	8.4	1.2	9.5
NL	6.4	0.2	6.6	7.5	0.3	7.8	8.6	0.3	8.8
CIDA	0.3	5.2	5.4	0.3	7.4	7.7	0.4	8.2	8.5
DOE	4.8	3.3	8.1	4.9	3.1	8.0	5.6	2.7	8.3
Treasury Board	6.6	0.1	6.6	7.7	0.1	7.8	7.9	0.1	8.0
Others <sup>1</sup>	48.5	20.0	69.0	61.0	23.2	84.1	71.0	28.8	100.3
TOTAL	148.2	60.7	208.9	184.1	75.7	259.7	219.6	90.0	309.6

<sup>1</sup>In 1975 others will include primarily PSC (\$7.7), CMHC (\$7.4), INA (\$6.8), SS (\$6.0), Public Archives (\$5.4), Privy Council (\$4.7), Finance (\$4.5), National Museums (\$4.5), MOSST (\$4.4) and Economic Council (\$4.3).

TABLE 19

Federal assistance to extramural performers of human science activities is expected to reach \$90 million in 1975. Almost half, or \$41.6 million, will be directed to educational institutions.

The major funder of activities in educational institutions is Canada Council (47%); non-profit institutions, Privy Council (28%) and NHW (23%); foreign performers, IDRC (43%) and CIDA (30%); and industry and provincial and municipal governments, NHW (22%) and MOT (15%).

*(This table updates Table 3-3 on page 81 of the "Green Book", December, 1973)*

TABLE 19

Payments to Extramural Performers for Scientific Activities by Department or Agency, 1973-75  
(\$ millions)

## Payments to Canadian Universities

Department or Agency	1973	1974	1975	
	\$	\$	\$	%
Canada Council	15.9	17.9	19.4	(46.8)
NHW	2.8	4.5	5.8	(13.9)
SS	3.4	4.1	4.7	(11.3)
CIDA	2.1	3.8	3.6	( 8.5)
CMHC	2.1	2.4	2.6	( 6.2)
MOSUA	0.7	1.0	1.7	( 4.0)
Others	2.9	2.8	3.8	( 9.1)
<b>TOTAL</b>	<b>29.9</b>	<b>36.5</b>	<b>41.6</b>	<b>(100.0)</b>

## Payments to Non-Profit Institutions

Department or Agency	1973	1974	1975	
	\$	\$	\$	%
Privy Council	1.8	1.6	4.6	( 27.9)
NHW	2.7	3.5	3.9	( 23.4)
CMHC	2.3	2.5	2.8	( 16.9)
MOSUA	0.2	0.9	1.8	( 10.8)
Others	2.9	3.2	3.4	( 20.6)
<b>TOTAL</b>	<b>9.9</b>	<b>11.7</b>	<b>16.5</b>	<b>(100.0)</b>

## Payments to Foreign Performers

Department or Agency	1973	1974	1975	
	\$	\$	\$	%
IDRC	3.4	6.0	6.6	( 42.8)
CIDA	3.1	3.6	4.6	( 29.9)
Canada Council	3.8	3.7	3.7	( 24.0)
Others	0.4	0.5	0.5	( 3.2)
<b>TOTAL</b>	<b>10.7</b>	<b>13.8</b>	<b>15.4</b>	<b>(100.0)</b>

## Payments to Industry and Provincial and Municipal Governments

Department or Agency	1973	1974	1975	
	\$	\$	\$	%
NHW	1.1	1.9	3.6	( 21.8)
MOT	2.6	3.0	2.5	( 14.9)
DOE	2.9	2.7	2.1	( 12.7)
MOSUA	0.4	1.0	2.1	( 12.6)
ITC	0.5	1.0	1.1	( 6.5)
MI	0.2	0.9	0.9	( 5.6)
Others	2.5	3.2	4.3	( 26.1)
<b>TOTAL</b>	<b>10.2</b>	<b>13.7</b>	<b>16.5</b>	<b>(100.0)</b>

TABLE 20

Federal support of R&D in the human sciences is estimated at \$103.6 million in 1975, a 31% increase over the previous year.

Expenditures incurred within federal establishments should equal \$54.5 million or 32% more than in 1974. This represents about 53% of the total R&D budget for the human sciences.

Educational institutions can expect to receive \$21.2 million, or 23% more than last year, and non-profit institutions \$11.7 million, a 46% increase.

*(This table updates Chart 41 on page 56 of the "Green Book", December, 1973)*

TABLE 20

Federal Expenditures on Research & Development  
by Performer, 1973-75  
(\$ millions)

Performer	1973		1974		1975	
	\$	%	\$	%	\$	%
Intramural	33.8	( 53.8)	41.3	( 52.1)	54.5	( 52.6)
Educational Institutions	14.1	( 22.4)	17.3	( 21.7)	21.2	( 20.5)
Non-Profit Institutions	7.3	( 11.6)	8.0	( 10.1)	11.7	( 11.3)
Foreign	4.9	( 7.8)	7.0	( 8.8)	8.2	( 7.9)
Provincial & Municipal Governments	0.6	( 0.9)	2.4	( 3.0)	4.1	( 4.0)
Industry	2.2	( 3.6)	3.4	( 4.3)	3.9	( 3.8)
<b>TOTAL</b>	<b>62.8</b>	<b>(100.0)</b>	<b>79.4</b>	<b>(100.0)</b>	<b>103.6</b>	<b>(100.0)</b>



TABLE 22

Federal spending on related scientific activities in the human sciences is estimated at \$206.1 million in 1975, a 14% increase over 1974.

As in 1973 and 1974, just over half of all current RSA expenditures will support data collection activities. Operations studies will claim approximately 25%, scientific information 12% and education support 10%.

*(This table updates Chart 45 on page 60 of the "Green Book", December, 1973)*

TABLE 22

Federal Expenditures on Related Scientific Activities  
by Activity, 1973-75  
(\$ millions)

Activity	1973		1974		1975	
	\$	%	\$	%	\$	%
Current Expenditures	145.2	( 99.3)	177.9	( 98.7)	203.4	( 98.7)
Data Collection	78.2	( 53.5)	91.3	( 50.6)	108.0	( 52.4)
Scientific Information	19.7	( 13.5)	22.3	( 12.4)	25.0	( 12.1)
Education Support	17.0	( 11.6)	19.9	( 11.1)	20.5	( 10.0)
Operations Studies	30.3	( 20.7)	44.4	( 24.6)	49.9	( 24.2)
Capital Expenditures	1.0	( 0.7)	2.4	( 1.3)	2.6	( 1.3)
<b>TOTAL</b>	<b>146.1</b>	<b>(100.0)</b>	<b>180.3</b>	<b>(100.0)</b>	<b>206.1</b>	<b>(100.0)</b>

TABLE 23

Intramural spending on related scientific activities will reach \$165.2 million in 1974 or 80% of the total RSA budget. This share will have increased 2% since 1973.

The growth in expenditures within federal establishments will be equal to 16%; funding of RSA in educational institutions will rise 6%, non-profit institutions 32%, and industry 11%.

*(This table updates Chart 46 on page 61 of the "Green Book", December, 1973)*

TABLE 23

Federal Expenditures on Related Scientific Activities  
by Performer, 1973-75  
(\$ millions)

Performer	1973		1974		1975	
	\$	%	\$	%	\$	%
Intramural	114.4	( 78.3)	142.7	( 79.1)	165.2	( 80.1)
Educational Institutions	15.9	( 10.9)	19.2	( 10.7)	20.4	( 9.9)
Non-Profit Institutions	2.6	( 1.8)	3.7	( 2.1)	4.9	( 2.4)
Foreign	5.9	( 4.0)	6.8	( 3.8)	7.2	( 3.5)
Industry	3.2	( 2.2)	4.6	( 2.6)	5.2	( 2.5)
Provincial & Municipal Governments	4.2	( 2.8)	3.3	( 1.8)	3.3	( 1.6)
<b>TOTAL</b>	<b>146.1</b>	<b>(100.0)</b>	<b>180.3</b>	<b>(100.0)</b>	<b>206.1</b>	<b>(100.0)</b>

TABLE 24

Almost half, or \$93.4 million, of total federal expenditures on related scientific activities will be incurred by Statistics Canada in 1975; they will be entirely intramural. Canada Council's estimated budget of \$13.8 million for RSA ranks far below Statistics Canada as the second largest spender and the major source of extramural funds. Forty-four other departments and agencies will share the remaining \$98.9 million.

By activity, the major spenders of current dollars will be: Statistics Canada - \$91 million on data collection; Canada Council - \$11 million on education support; IDRC - \$6 million on scientific information; and TBS - \$7 million on operations studies.

*(This table updates Chart 47 on page 62 and Table 3-7 on page 83 of the "Green Book", December, 1973)*

TABLE 24

Federal Intramural and Extramural Expenditures on Related Scientific Activities  
by Department or Agency, 1973-75  
(\$ millions)

Department or Agency	1973			1974			1975		
	Intra- mural	Extra- mural	Total	Intra- mural	Extra- mural	Total	Intra- mural	Extra- mural	Total
Statistics Canada	63.6	-	63.6	79.3	-	79.3	93.4	-	93.4
Canada Council	0.6	12.1	12.7	0.7	12.6	13.3	0.8	13.1	13.8
Treasury Board	6.6	-	6.6	7.7	-	7.7	7.9	-	7.9
NHW	1.4	3.7	5.1	2.5	3.7	6.1	3.8	3.5	7.2
NL	5.8	0.1	5.9	6.7	0.2	6.9	7.1	-	7.1
MI	5.4	0.3	5.6	5.6	-	5.6	6.1	-	6.1
IDRC	1.4	1.7	3.1	2.4	2.7	5.1	2.8	3.1	5.9
Public Archives	3.7	-	3.7	4.2	-	4.2	5.4	-	5.4
DOE	2.8	2.9	5.7	3.0	2.4	5.4	3.4	2.0	5.4
MOSUA	0.8	0.5	1.4	1.3	1.8	3.1	2.1	3.2	5.3
SS	0.5	3.4	3.9	0.6	4.1	4.7	0.7	4.4	5.1
Others <sup>1</sup>	21.8	7.0	28.8	28.7	10.1	38.9	31.7	11.6	43.5
TOTAL	114.4	31.7	146.1	142.7	37.6	180.3	165.2	40.9	206.1

<sup>1</sup>In 1975 others include Finance (\$4.5), MOSST (\$4.4), CIDA (\$3.9), DND (\$3.0) and Solicitor General (\$2.5).

