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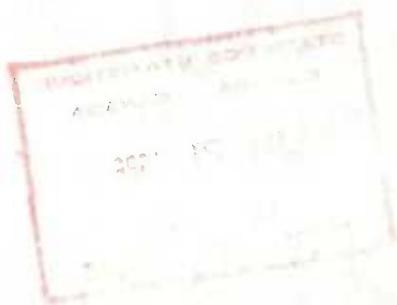
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FEDERAL SCIENCE EXPENDITURES

AND PERSONNEL

1985/86



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PREFACE

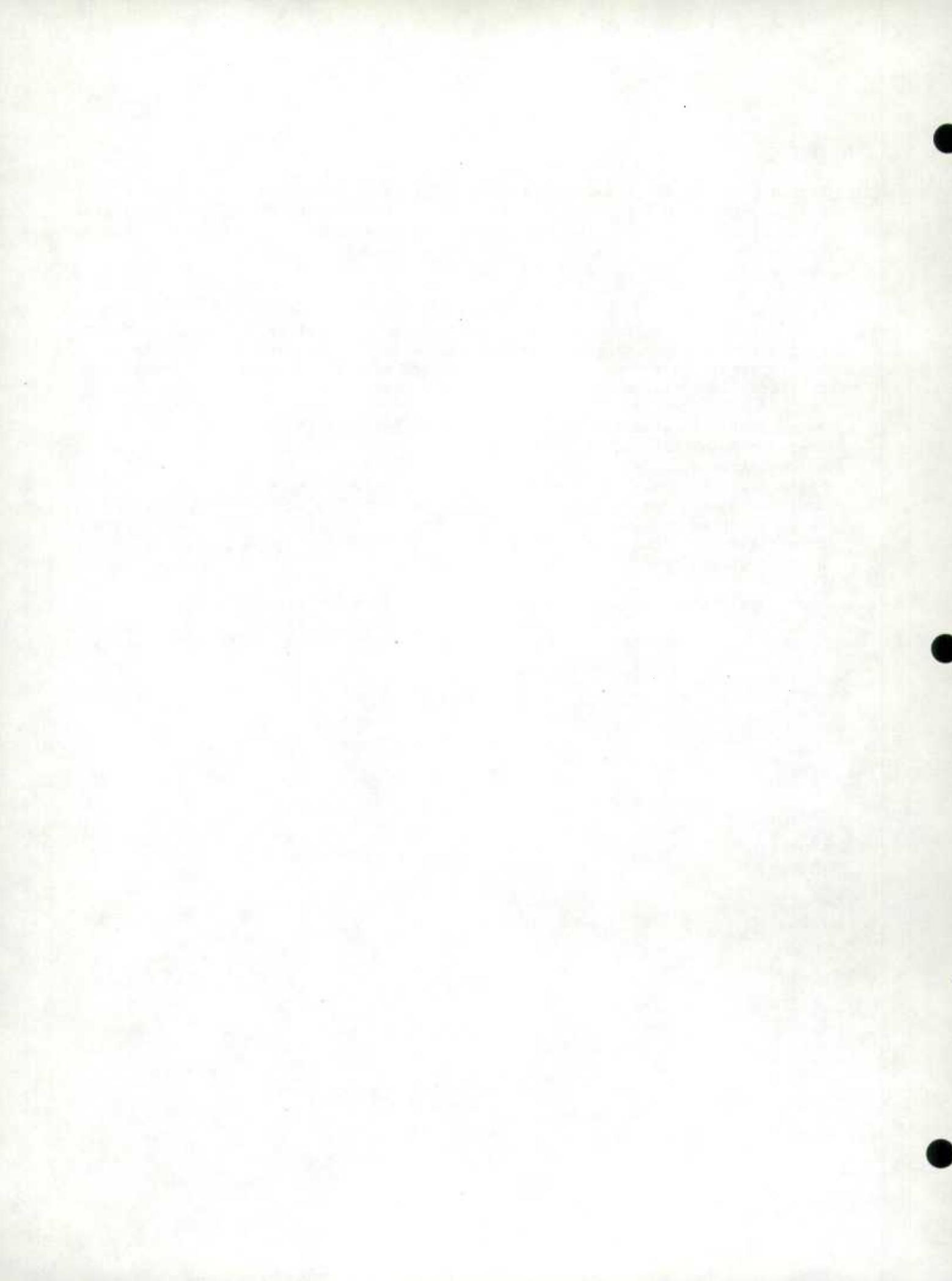
Each spring the Federal Government Main Estimates are tabled in the House of Commons. The Main Estimates give an overview of the broad spending programs of departments and agencies. Scientific expenditures are provided for, but may not be separately displayed in published departmental estimates. These statistical tabulations fill that gap.

To assist readers to obtain an overall appreciation of federal scientific expenditures, these tabulations present science statistics assembled during the complicated process which culminated in the tabling of Main Estimates 1985/86. The government's support of science provided through other means, e.g. through tax incentives, is not included in these statistics.

Many people from many departments and agencies contributed in the preparation of this statistical report, and in particular, the Financial Officers of departments, on whom fell the onus for providing details of both the historical and the planned science expenditures which this report lists. The Treasury Board Secretariat made it possible for these statistics to be obtained in conjunction with the budgetary machinery, by incorporating as addenda to the Main Estimates submissions the collection of federal science statistics conducted by Statistics Canada.

These statistical tabulations were prepared under the direction of:

- . Peter Koumanakos, Director, Science, Technology and Capital Stock Division
- . Humphrey Stead, Chief
- . Bert Plaus, Project Leader, Public Sector
- . Andy Konecny, Computer Systems Manager



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TABLES OF SCIENTIFIC EXPENDITURES AND RESOURCES

(Page, Table numbers in parentheses)

Fields of Science

SUBJECT	All	Natural	Human
S&T Totals			
summary:			
- all departments and agencies	9 (1)	(-)	(-)
- performing sector	13 (2)	85 (27)	134 (52)
- type of science activity	14 (3)	86 (28)	135 (53)
by department/agency:			
- intramural/extramural	17 (4)	89 (29)	138 (54)
- R&D and RSA	21 (5)	91 (30)	141 (55)
- intramural	25 (6)	93 (31)	144 (56)
- industry	29 (7)	95 (32)	147 (57)
- university	32 (8)	97 (33)	149 (58)
- non-profit institutions	35 (9)	99 (34)	151 (59)
- provincial and municipal governments	38 (10)	101 (35)	153 (60)
- foreign	40 (11)	102 (36)	154 (61)
- other	42 (12)	104 (37)	156 (62)
R&D Total			
summary:			
- performing sector	45 (13)	106 (38)	158 (63)
by department/agency:			
- intramural/extramural	46 (14)	107 (39)	159 (64)
by grants and contracts:			
- intramural	49 (15)	109 (40)	161 (65)
- industry	52 (16)	111 (41)	163 (66)
- university	55 (17)	113 (42)	165 (67)
- non-profit institutions	57 (18)	115 (43)	167 (68)
- provincial and municipal governments	59 (19)	117 (44)	169 (69)
- foreign	60 (20)	118 (45)	170 (70)
- other	62 (21)	120 (46)	171 (71)
- total	64 (22)	122 (47)	173 (72)

RSA Totals

summary:

- by performing sector	67 (23)	124 (48)	175 (73)
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by department/agency:

- intramural/extramural	68 (24)	125 (49)	176 (74)
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S&T personnel

summary:

- type of science activity	72 (25)	127 (50)	179 (75)
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by department/agency:

- by personnel category	73 (26)	128 (51)	180 (76)
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Expenditures by Cabinet Committee

summary:

- R&D and RSA	189 (77)	(-)	(-)
- performing sector	192 (78)	(-)	(-)

by department/agency:

- all S&T	194 (79)	(-)	(-)
- R&D and RSA	197 (80)	200 (81)	207 (83)

S&T personnel:

- by science activity	(-)	202 (82)	209 (84)
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NOTES TO READERS

The data in these statistical tabulations are based on program budgetary expenditures presented to Parliament for approval in the 1985/86 Main Estimates. The tables display both the expenditures and the personnel resources applied to activities in the natural and social sciences. This report is a statistical companion to Statistics Canada's more descriptive report soon to be published; *Federal Science Activities 1985/86*.

As the data are designed primarily for use by those with some knowledge of the government's scientific activities, a minimum of explanatory material accompanies the statistics.

This report is organized into four main sections and an appendix. The first section presents combined data on the natural and human sciences, the second data on the natural sciences alone and the third data on the social sciences alone. The fourth section presents expenditure data corresponding with the cabinet policy and expenditure committees within which the various departments and agencies are grouped. The appendix contains definitions of terms used in the categorization of science expenditures and personnel, and some notes on limitations of the data surveys. Readers are urged to read this appendix before drawing their own conclusions from the data.

The data used for this statistical report are derived from the 1985/86 Main Estimates survey of expenditures and personnel resources in the natural and social sciences, which covers the fiscal years 1983/84, 1984/85 and 1985/86. The data, therefore, include the actual expenditures recorded in the base year 1983/84, those forecast for the current year 1984/85 and those for which funding authority is requested in estimates for the new fiscal year 1985/86.

Personnel categories are measured in full-time equivalents, that is, the number of person-years cumulatively devoted to scientific activities by the employees engaged in these activities, whether on a continuing, term, casual or seasonal basis. The 1983/84 data are the actual totals of the person years used in that period, while the 1984/85 and 1985/86 data are authorized total person-years indicated in the Main Estimates.

Additional sub-divisions or rearrangements of the data totals presented in this report are often available on request to the Science, Technology and Capital Stock Division (613-990-9919).

Data for federal departments, agencies and programs appear in the tables in the order in which they appear in the Main Estimates for 1985/86. The various federal agencies are listed under the portfolios of the Ministers through whom they report to Parliament -- for example, Statistics Canada appears under the Supply and Services portfolio. Program expenditures are listed in the tables and summed to show departmental totals, but non-departmental agencies are not included in departmental totals. For example, the amount shown opposite the Department of Agriculture (AGR) is the sum of the corresponding amounts opposite the four programs commencing with AGR- (AGR-ADM, AGR-DEV, etc), but expenditures under the Canadian Dairy Commission (CDC) and the Livestock Feed Board (LFB) are not included in the departmental (AGR) total.

The departmental and program abbreviations used are explained in the following pages.

AGRICULTURE

AGR

	Department
AGR-ADM	Administration
AGR-DEV	Agri-Food Development Program
AGR-RI	Agri-Food Regulation and Inspection
AGR-CGC	Canadian Grain Commission
AGR-FOR	Canadian Forestry Service
CDC	Canadian Dairy Commission
LFB	Livestock Feed Board

COMMUNICATIONS

COMM

	Department
COMM-COMM	Communications
CBC	Canadian Broadcasting Corporation
CC	Canada Council
CRTC	Canadian Radio-Television and Telecommunications Commission
NFB	National Film Board
NLIB	National Library
NMUS	National Museums of Canada
PA	Public Archives
SSHRC	Social Sciences and Humanities Research Council

CONSUMER AND CORPORATE AFFAIRS

CCA

	Department
CCA-ADM	Administration
CCA-CON	Consumer Affairs
CCA-COR	Bureau of Corporate Affairs (incl. Intellectual Property)

ECONOMIC DEVELOPMENT

ED

	Department
MSED	Ministry of State

EMPLOYMENT & IMMIGRATION

E&I

	Department
E&I-ADM	Administration
CEIC	Canada Employment and Immigration Commission

ENERGY, MINES AND RESOURCES

EMR

	Department
EMR-ENER	Energy
EMR-MES	Minerals and Earth Sciences
AECB	Atomic Energy Control Board
AECL	Atomic Energy of Canada Ltd.
NEB	National Energy Board

ENVIRONMENT

ENV

	Department
ENV-ADM	Administration
ENV-ES	Environmental Services
ENV-EPS	Environmental Protection Services
FNV-AES	Atmospheric Environment Services
ENV-ECS	Environmental Conservation Services
ENV-PC	Parks Canada

EXTERNAL AFFAIRS

EA
EA-CIA
EA-GO
CIDA
IDRC
IJC

Department
Canadian Interests Abroad
Grains and Oilseeds
Canadian International Development Agency
International Development Research Centre
International Joint Commission

FINANCE

FIN
FIN-FEP

Department
Financial and Economic Policies

FISHERIES AND OCEANS

F&O
F&O-FM

Department
Fisheries and Marine Service

INDIAN AFFAIRS & NORTHERN DEVELOPMENT

IAND
IAND-IIA
IAND-NA

Department
Indian and Inuit Affairs
Northern Affairs

JUSTICE

JUST
JUST-ADM
JUST-CUIO
CHRC
LRC

Department
Administration
Canadian Unity Information Office
Canadian Human Rights Commission
Law Reform Commission

LABOUR

LAB

Department

NATIONAL DEFENCE

NDEF
NDEF-SER

Department
Defence Services

NATIONAL HEALTH AND WELFARE

NHW
NHW-ADM
NHW-HSS
NHW-MS
NHW-HP
NHW-IS
NHW-SS
MRC

Department
Administration
Health and Social Services
Medical Services
Health Protection
Income Security
Social Services
Medical Research Council

NATIONAL REVENUE

NREV
NREV-TAX

Department
Taxation

PRIVY COUNCIL

PC
COL
ECC

Privy Council
Commissioner of Official Languages
Economic Council of Canada

PUBLIC WORKS

PW	Department
PW-PTS	Professional and Technical Services
CMHC	Canada Mortgage and Housing Corporation
NCC	National Capital Commission

REGIONAL INDUSTRIAL EXPANSION

RIE	Department
RIE	Trade-Industrial

SCIENCE AND TECHNOLOGY

ST	Ministry of State
NRC	National Research Council
NRC-SIR	Scientific and Industrial Research
NRC-STI	Scientific and Technical Information
NSERC	Natural Sciences and Engineering Research Council
SC	Science Council of Canada

SECRETARY OF STATE

SECS	Department
SECS-ADM	Administration
SECS-OL	Official Languages
SECS-ES	Education Support
SECS-CIT	Citizenship

SOLICITOR GENERAL

SGEN	Department
SGEN-ADM	Administration
RCMP	Royal Canadian Mounted Police

SUPPLY AND SERVICES

SS	Department
SS-SUPP	Supply
STCAN	Statistics Canada

TRANSPORT

TPT	Department
TPT-ADM	Administration
TPT-MAR	Marine
TPT-AIR	Air
TPT-SUR	Surface
CTC	Canadian Transport Commission

TREASURY BOARD

TB	Department
TB-ADM	Administration

TABLE 1

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		SCIENCE TYPE:			SCIENCE TYPE:			SCIENCE TYPE:		
		NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL
(\$.000)		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-ADM	5729	.	5729	5781	.	5781	6148	.	6148
	AGR-CGC	4288	.	4288	4783	.	4783	6729	.	6729
	AGR-DEV	218430	2095	220525	247903	3637	251540	272079	3505	275584
	AGR-FOR	65261	.	65261	64589	.	64589	62018	.	62018
	AGR-RI	21769	.	21769	27359	.	27359	38194	.	38194
	TOTAL	315477	2095	317572	350415	3637	354052	385168	3505	388673
AECB	AECB	2081	.	2081	3628	.	3628	4012	.	4012
	TOTAL	2081	.	2081	3628	.	3628	4012	.	4012
AECL	AECL	137990	.	137990	146404	.	146404	152494	.	152494
	TOTAL	137990	.	137990	146404	.	146404	152494	.	152494
CC	CDC	.	250	250	.	246	246	.	258	258
	TOTAL	.	250	250	.	246	246	.	258	258
CEIC	CEIC	.	9131	9131	.	9766	9766	.	10247	10247
	TOTAL	.	9131	9131	.	9766	9766	.	10247	10247
CMHC	CMHC	4875	11647	16522	7963	14911	22874	7534	14683	22217
	TOTAL	4875	11647	16522	7963	14911	22874	7534	14683	22217
CBC	CBC	.	5039	5039	.	5459	5459	.	5678	5678
	TOTAL	.	5039	5039	.	5459	5459	.	5678	5678
CDC	CCC	1792	.	1792	2208	.	2208	.	.	.
	TOTAL	1792	.	1792	2208	.	2208	.	.	.
CHRC	CHRC	.	357	357	.	553	553	.	500	500
	TOTAL	.	357	357	.	553	553	.	500	500
CIDA	CIDA	41924	5871	47795	46220	5657	51877	50905	5993	56898
	TOTAL	41924	5871	47795	46220	5657	51877	50905	5993	56898
CRTC	CRTC	.	598	598	.	769	769	.	913	913
	TOTAL	.	598	598	.	769	769	.	913	913
CTC	CTC	.	3415	3415	.	3371	3371	.	3371	3371
	TOTAL	.	3415	3415	.	3371	3371	.	3371	3371
COL	COL	.	2723	2723	.	3108	3108	.	2998	2998
	TOTAL	.	2723	2723	.	3108	3108	.	2998	2998
COMM	COMM-COMM	81883	1841	83724	111730	3614	115344	87945	4364	92309
	TOTAL	81883	1841	83724	111730	3614	115344	87945	4364	92309
CCA	CCA-ADM	.	2467	2467	.	2500	2500	.	1846	1846
	CCA-CGN	.	2922	2922	.	5280	5280	.	3501	3501
	CCA-COR	10841	.	10841	11537	.	11537	12635	.	12635
	TOTAL	10841	5389	16230	11537	7780	19317	12635	5347	17982
ECC	ECC	.	8064	8064	.	8345	8345	.	8743	8743
	TOTAL	.	8064	8064	.	8345	8345	.	8743	8743
ED	MSED	.	19813	19813	.	5934	5934	.	.	.

(CONTINUED)

TABLE 1

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		SCIENCE TYPE:			SCIENCE TYPE:			SCIENCE TYPE:		
		NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
ED	TOTAL	.	19813	19813	.	6934	6934	.	.	.
E&I	E&I-ADM	.	12812	12812	.	13829	13829	.	14511	14511
	TOTAL	.	12812	12812	.	13829	13829	.	14511	14511
EMR	EMR-MES	207158	10276	217434	253110	12581	265691	297146	15992	313138
	EMR-ENER	49015	274	49289	73744	300	74044	92500	313	92813
	TOTAL	256173	10550	266723	326854	12881	339735	389646	16305	405551
ENV	ENV-ADM	484	18	502	669	7	676	697	515	1212
	ENV-AES	180476	.	180476	207418	.	207418	222097	.	222097
	ENV-ECS	72239	5647	77886	80469	6290	86759	78488	6135	84623
	ENV-EPS	14397	.	14397	13842	.	13842	11500	.	11500
	ENV-PC	6385	6427	12812	6773	6817	13590	7131	7223	14354
	TOTAL	273981	12082	286073	309171	13114	322285	319913	13873	333786
EA	EA-CIA	.	8651	8651	.	11870	11870	.	11641	11641
	EA-GO	1260	.	1260	2460	.	2460	2460	.	2460
	TOTAL	1260	8651	9911	2460	11870	14330	2460	11641	14101
FIN	FIN-FEP	.	17148	17148	.	18929	18929	.	18895	18895
	TOTAL	.	17148	17148	.	18929	18929	.	18895	18895
F&O	F&O-FM	209178	2810	211988	261394	3912	265306	267054	3717	270771
	TOTAL	209178	2810	211988	261394	3912	265306	267054	3717	270771
H&W	NHW-ADM	.	11461	11461	.	11316	11316	.	12028	12028
	NHW-HP	54700	.	54700	60073	.	60073	59396	.	59396
	NHW-HSS	10656	7970	18626	11956	8970	20926	12565	9754	22319
	NHW-IS	.	824	824	.	882	882	.	1092	1092
	NHW-MS	2473	.	2473	3155	.	3155	3015	.	3015
	NHW-SS	.	6726	6726	.	7146	7146	.	6707	6707
	TOTAL	67829	26981	94810	75184	28314	103498	74977	29581	104558
INA	IANO-IIA	.	172	172	.	42	42	.	42	42
	IAND-NA	3097	449	3546	5374	3420	8794	5722	3012	8734
	TOTAL	3097	621	3718	5374	3462	8836	5722	3054	8776
IDRC	IDRC	32717	30954	63671	38184	35477	73661	45707	39695	85402
	TOTAL	32717	30954	63671	38184	35477	73661	45707	39695	85402
IJC	IJC	2986	.	2986	3384	.	3384	3447	.	3447
	TOTAL	2986	.	2986	3384	.	3384	3447	.	3447
JUST	JUST-ADM	.	4768	4768	.	5477	5477	.	5254	5254
	JUST-CUID	.	1770	1770	.	420	420	.	.	.
	TOTAL	.	6538	6538	.	5897	5897	.	5254	5254
LAB	LAB	.	5058	5058	.	5793	5793	.	6152	6152
	TOTAL	.	5058	5058	.	5793	5793	.	6152	6152
LRC	LRC	.	3134	3134	.	3224	3224	.	3237	3237

(CONTINUED)

TABLE 1

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

		YEAR								
		1983-84			1984-85			1985-86		
		SCIENCE TYPE:			SCIENCE TYPE:			SCIENCE TYPE:		
		NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL
(\$,000)		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
LRC	TOTAL	.	3134	3134	.	3224	3224	.	3237	3237
LFB	LFB	.	149	149	.	169	169	.	172	172
	TOTAL	.	149	149	.	169	169	.	172	172
MRC	MRC	140439	.	140439	156970	.	156970	130583	.	130583
	TOTAL	140439	.	140439	156970	.	156970	130583	.	130583
NCC	NCC	408	545	953	316	590	906	500	614	1114
	TOTAL	408	545	953	316	590	906	500	614	1114
NDEF	NDEF-SER	157395	2716	160111	203964	2930	206894	229036	3098	232134
	TOTAL	157395	2716	160111	203964	2930	206894	229036	3098	232134
NEB	NEB	562	1685	2247	543	1628	2171	655	1964	2619
	TOTAL	562	1685	2247	543	1628	2171	655	1964	2619
NFB	NFB	773	.	773	808	.	808	1426	.	1426
	TOTAL	773	.	773	808	.	808	1426	.	1426
NLIB	NLIB	.	29621	29621	.	31743	31743	.	32857	32857
	TOTAL	.	29621	29621	.	31743	31743	.	32857	32857
NMUS	NMUS	26653	43304	69957	27033	47216	74249	28424	47540	75964
	TOTAL	26653	43304	69957	27033	47216	74249	28424	47540	75964
NRC	NRC-SIR	381658	.	381658	494204	.	494204	429729	.	429729
	NRC-STI	23505	.	23505	27007	.	27007	30101	.	30101
	TOTAL	405163	.	405163	521211	.	521211	459830	.	459830
NSERC	NSERC	281577	.	281577	311897	.	311897	295671	.	295671
	TOTAL	281577	.	281577	311897	.	311897	295671	.	295671
PC	PC	.	129	129	.	90	90	.	90	90
	TOTAL	.	129	129	.	90	90	.	90	90
PA	PA	.	16506	16506	.	16670	16670	.	16788	16788
	TOTAL	.	16506	16506	.	16670	16670	.	16788	16788
PW	PW-PTS	7103	.	7103	7378	.	7378	5989	.	5989
	TOTAL	7103	.	7103	7378	.	7378	5989	.	5989
RIE	RIE	162378	619	162597	237724	800	238524	277547	355	277902
	TOTAL	162378	619	162897	237724	800	238524	277547	355	277902
REV	REV-TAX	.	2244	2244	.	2977	2977	.	3055	3055
	TOTAL	.	2244	2244	.	2977	2977	.	3055	3055
RCMP	RCMP	356	.	356	427	.	427	600	.	600
	TOTAL	356	.	356	427	.	427	600	.	600
SC	SC	.	4582	4582	.	4847	4847	.	5041	5041
	TOTAL	.	4582	4582	.	4847	4847	.	5041	5041
ST	ST	2047	9122	11169	1895	6105	8000	2124	6953	9077
	TOTAL	2047	9122	11169	1895	6105	8000	2124	6953	9077
SECS	SECS-AOM	.	851	851	.	895	895	.	1043	1043

(CONTINUED)

TABLE 1

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

		YEAR								
		1983-84			1984-85			1985-86		
		SCIENCE TYPE:			SCIENCE TYPE:			SCIENCE TYPE:		
		NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
SECS	SECS-CIT	.	1496	1496	.	5492	5492	.	6066	6066
	SECS-ES	.	1710	1710	.	9171	9171	.	500	500
	SECS-OL	.	2502	2502	.	2702	2702	.	2762	2762
	TOTAL	.	6559	6559	.	18260	18260	.	10371	10371
SSHRC	SSHRC	.	60084	60084	.	62798	62798	.	60881	60881
	TOTAL	.	60084	60084	.	62798	62798	.	60881	60881
SGEN	SGEN-ADM	.	8508	8508	.	13996	13996	.	13846	13846
	TOTAL	.	8508	8508	.	13996	13996	.	13846	13846
STCAN	STCAN	.	201287	201287	.	213408	213408	.	216094	216094
	TOTAL	.	201287	201287	.	213408	213408	.	216094	216094
SS	SS-SUPP	14658	481	15139	14678	485	15163	14666	506	15172
	TOTAL	14658	481	15139	14678	485	15163	14666	506	15172
TPT	TPT-ADM	23795	190	23985	26665	357	27022	27702	443	28145
	TPT-AIR	4136	.	4136	5108	.	5108	5770	.	5770
	TPT-MAR	8212	.	8212	11573	.	11573	11900	.	11900
	TPT-SUR	412	360	772	357	239	596	292	247	539
	TOTAL	36555	550	37105	43703	596	44299	45664	690	46354
TB	TB-AOM	.	16578	16578	.	17636	17636	.	18516	18516
	TOTAL	.	16578	16578	.	17636	17636	.	18516	18516
TOTAL	TOTAL	2680151	618851	3289002	3230657	673796	3904453	3302334	671946	3974280

TABLE 2

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY PERFORMER

SCIENCE TYPE: TOTAL
AND ACTIVITY: TOTAL

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$,000)		(\$,000)		(\$,000)	
	\$	%	\$	%	\$	%
INTRAMURAL	2092525	63	2411810	62	2471889	62
CANADIAN INDUSTRY	451808	14	647761	17	714738	18
CANADIAN UNIVERSITY	513020	16	575591	15	525211	13
CANADIAN N P INST	58591	2	56185	1	50834	1
PROV. MUN. GOVERNMENT	41980	1	47887	1	32400	1
FOREIGN PERFORMERS	107211	3	119805	3	139981	4
OTHER PERFORMERS	33867	1	45414	1	39227	1
TOTAL	3299002	100	3904453	100	3974280	100

TABLE 3-1

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

TOTAL, ALL PROGRAMS

SCIENCE TYPE: TOTAL
AND YEAR 1983-84

	PERFORMER:								
	INTRAMURAL (\$.000)	CANADIAN INDUSTRY (\$.000)	CANADIAN UNIVERSITY (\$.000)	CANADIAN N P INST (\$.000)	PROV. MUN. GOVERNMENT (\$.000)	FOREIGN PERFORMERS (\$.000)	OTHER PERFORMERS (\$.000)	TOTAL (\$.000)	
ACTIVITIES:									
IN-HOUSE R&D	818132	.	.	.	.	.	.	.	818132
R&D CONTRACTS	1254	158885	30902	3031	1577	12376	18096	226121	
SUPPORTING CONTRACTS	48617	.	.	.	.	.	.	48617	
R&D GRANTS	.	218594	402858	38541	3020	73321	4720	741054	
RESEARCH FELLOWSHIPS	2160	2346	19782	599	.	8549	391	33827	
ADMIN. EXTRAMURAL R&D	57427	.	.	.	.	.	.	57427	
CAPITAL - R&D	219784	.	.	.	.	.	.	219784	
SUB TOTAL R&D	1147374	379825	453542	42171	4597	94246	23207	2144962	
DATA COLLECTION	476158	17505	5241	2552	6550	819	2653	511478	
INFORMATION SERVICES	190232	3271	3944	5369	5482	2275	2647	213220	
ECONOMIC & FEAS. STUDIES	22889	775	568	1370	12	1196	142	26952	
OPERN'S & POLICY STUDIES	91517	2342	566	2615	.	16	1574	98730	
TESTING & STANDARDIZATION	38011	1712	258	153	96	107	371	40708	
FEASIBILITY STUDIES	6715	44493	607	175	17874	509	475	70848	
EDUCATIONAL SUPPORT	1890	1112	47135	2853	14	8043	1255	62301	
MUSEUM SERVICES	49283	773	1159	1332	7355	.	1543	61448	
ADMIN. EXTRAMRAL RSA	18257	.	.	.	.	.	.	18257	
CAPITAL-RSA	50099	.	.	.	.	.	.	50099	
SUB TOTAL RSA	945151	71983	59478	16420	37383	12965	10650	1154040	
TOTAL	2092525	451808	513020	58591	41980	107211	33867	3293002	

TABLE 3-2

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
TOTAL, ALL PROGRAMS

SCIENCE TYPE: TOTAL
AND YEAR 1984-85

	PERFORMER:								TOTAL (\$.000)
	INTRAMURAL (\$.000)	CANADIAN INDUSTRY (\$.000)	CANADIAN UNIVERSITY (\$.000)	CANADIAN N P INST (\$.000)	PROV. MUN. GOVERNMENT (\$.000)	FOREIGN PERFORMERS (\$.000)	OTHER PERFORMERS (\$.000)		
ACTIVITIES:									
IN-HOUSE R&D	901562	.	.	.	.	.	.	.	901562
R&D CONTRACTS	1232	218642	35979	4565	3709	16072	19284	299483	
SUPPORTING CONTRACTS	56714	.	.	.	.	.	.	.	56714
R&D GRANTS	.	322224	445794	33114	4821	78399	12528	896880	
RESEARCH FELLOWSHIPS	2628	3235	23082	715	.	9739	525	39925	
ADMIN. EXTRAMURAL R&D	68905	.	.	.	.	.	.	.	68905
CAPITAL - R&D	347445	.	.	.	.	.	.	.	347445
SUB TOTAL R&D	1378486	544102	504855	38394	8530	104210	32337	2610914	
DATA COLLECTION	511013	20900	5478	2072	7788	888	3867	552006	
INFORMATION SERVICES	207754	4140	4587	6116	5998	3585	2462	234642	
ECONOMIC & FEAS. STUDIES	28043	1076	624	470	75	1017	2117	33422	
OPERN'S & POLICY STUDIES	84760	3397	937	3340	.	52	1848	94335	
TESTING & STANDARDIZATION	40074	8075	260	238	100	184	187	49118	
FEASIBILITY STUDIES	7522	63254	716	1409	13251	736	218	87106	
EDUCATIONAL SUPPORT	2827	2006	56904	2742	4368	9133	731	78711	
MUSEUM SERVICES	51284	811	1230	1404	7777	.	1645	64152	
ADMIN. EXTRAMRAL RSA	22678	.	.	.	.	.	.	22678	
CAPITAL-RSA	77369	.	.	.	.	.	.	77369	
SUB TOTAL RSA	1033324	103659	70736	17791	39357	15595	13077	1293539	
TOTAL	2411810	647761	575591	55185	47887	119805	45414	3904453	

TABLE 3-3

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

TOTAL, ALL PROGRAMS

SCIENCE TYPE: TOTAL
AND YEAR 1985-86

	PERFORMER:								TOTAL (\$.000)
	INTRAMURAL (\$.000)	CANADIAN INDUSTRY (\$.000)	CANADIAN UNIVERSITY (\$.000)	CANADIAN N P INST (\$.000)	PROV. MUN. GOVERNMENT (\$.000)	FOREIGN PERFORMERS (\$.000)	OTHER PERFORMERS (\$.000)		
ACTIVITIES:									
IN-HOUSE R&D	929057	.	.	.	.	.	.	.	929057
R&D CONTRACTS	1298	205891	30953	3714	3146	16180	16000	277182	
SUPPORTING CONTRACTS	80251	.	.	.	.	.	.	.	80251
R&D GRANTS	.	369295	401768	30340	5888	99529	9579	916399	
RESEARCH FELLOWSHIPS	2861	3614	23318	499	.	8932	603	39627	
ADMIN. EXTRAMURAL R&D	76002	.	.	.	.	.	.	.	76002
CAPITAL - R&D	307915	.	.	.	.	.	.	.	307915
SUB TOTAL R&D	1397184	578800	456039	34553	9034	124641	26182	2625433	
DATA COLLECTION	524187	27294	5820	1953	7917	1018	3666	571855	
INFORMATION SERVICES	224942	4346	4647	4624	135	2824	2155	243673	
ECONOMIC & FEAS. STUDIES	30690	1131	240	30	15	1085	1679	34870	
OPERN'S & POLICY STUDIES	82996	2979	930	3658	.	54	2442	93059	
TESTING & STANDARDIZATION	40878	9185	325	178	40	32	332	50570	
FEASIBILITY STUDIES	6670	87834	603	1754	6999	762	87	104709	
EDUCATIONAL SUPPORT	2834	2306	55309	2593	20	9565	952	73573	
MUSEUM SERVICES	49502	863	1298	1491	8240	.	1732	63126	
ADMIN. EXTRAMRAL RSA	24870	.	.	.	.	.	.	24870	
CAPITAL-RSA	87136	.	.	.	.	.	.	87136	
SUB TOTAL RSA	1074705	135938	69172	16281	23366	15340	13045	1347847	
TOTAL	2471889	714738	525211	50834	32400	139981	39227	3974280	

TABLE 4

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: TOTAL

DEPARTMENT:	PROGRAM:	YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:		PERFORMER:			PERFORMER:				
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	(\$.000)
AGR	AGR-ADM	5729	.	5729	5781	.	5781	6148	.	6148	
	AGR-CGC	4284	4	4288	4779	4	4783	6725	4	6729	
	AGR-DEV	197847	22678	220525	234679	16861	251540	263245	12339	275584	
	AGR-FOR	47580	17681	65261	50704	13885	64589	46485	15533	62018	
	AGR-RI	21769	.	21769	27359	.	27359	38194	.	38194	
	TOTAL	277209	40363	317572	323302	30750	354052	360797	27876	388673	
AECB	AECB	637	1444	2081	745	2883	3628	803	3209	4012	
	TOTAL	637	1444	2081	745	2883	3628	803	3209	4012	
AECL	AECL	121763	15227	137990	129192	17212	146404	135080	17414	152494	
	TOTAL	121763	15227	137990	129192	17212	146404	135080	17414	152494	
CC	CDC	231	19	250	232	14	246	243	15	258	
	TOTAL	231	19	250	232	14	246	243	15	258	
CEIC	CEIC	8658	473	9131	9146	620	9766	9598	649	10247	
	TOTAL	8658	473	9131	9146	620	9766	9598	649	10247	
CMHC	CMHC	10380	6142	16522	12400	10474	22874	13259	8958	22217	
	TOTAL	10380	6142	16522	12400	10474	22874	13259	8958	22217	
CBC	CBC	2463	2576	5039	2417	3042	5459	2513	3165	5678	
	TOTAL	2463	2576	5039	2417	3042	5459	2513	3165	5678	
COC	COC	248	1544	1792	305	1903	2208	.	.	.	
	TOTAL	248	1544	1792	305	1903	2208	.	.	.	
CHRC	CHRC	357	.	357	553	.	553	500	.	500	
	TOTAL	357	.	357	553	.	553	500	.	500	
CIOA	CIOA	3462	44333	47795	3399	48478	51877	3416	53482	56898	
	TOTAL	3462	44333	47795	3399	48478	51877	3416	53482	56898	
CRTC	CRTC	431	167	598	598	171	769	738	175	913	
	TOTAL	431	167	598	598	171	769	738	175	913	
CTC	CTC	3145	270	3415	3097	274	3371	3097	274	3371	
	TOTAL	3145	270	3415	3097	274	3371	3097	274	3371	
COL	COL	2723	.	2723	3108	.	3108	2998	.	2998	
	TOTAL	2723	.	2723	3108	.	3108	2998	.	2998	
COMM	COMM-COMM	53175	30549	83724	74212	41132	115344	53839	38470	92309	
	TOTAL	53175	30549	83724	74212	41132	115344	53839	38470	92309	
CCA	CCA-ADM	1346	1121	2467	1370	1130	2500	1306	540	1846	
	CCA-CDN	2922	.	2922	5280	.	5280	3501	.	3501	
	CCA-COR	10841	.	10841	11537	.	11537	12635	.	12635	
	TOTAL	15109	1121	16230	18187	1130	19317	17442	540	17982	
ECC	ECC	7546	518	8064	7920	425	8345	8285	457	8743	
	TOTAL	7546	518	8064	7920	425	8345	8285	457	8743	

(CONTINUED)

TABLE 4

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: TOTAL

		YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	
DEPARTMENT:	PROGRAM:										
ED	MSED	19418	395	19813	6934	0	6934	-	-	-	
	TOTAL	19418	395	19813	6934	0	6934	-	-	-	
E&I	E&I-ADM	11708	1104	12812	12775	1054	13829	13406	1105	14511	
	TOTAL	11708	1104	12812	12775	1054	13829	13406	1105	14511	
EMR	EMR-MES	184814	32620	217434	225505	40186	265691	256292	56846	919138	
	EMR-ENER	3339	45950	49289	3182	70862	74044	3183	89630	92813	
	TOTAL	188153	78570	266723	228687	111048	339735	259475	146476	405951	
ENV	ENV-ADM	429	79	502	589	87	676	598	614	1212	
	ENV-AES	176408	4068	180476	202762	4656	207418	216986	5111	222097	
	ENV-ECS	68757	9129	77886	77757	9002	86759	75839	8784	84623	
	ENV-EPS	7607	6790	14397	8180	5662	13842	7070	4430	11500	
	ENV-PC	11339	1473	12812	12026	1564	13590	12743	1611	14354	
	TOTAL	264534	21539	288073	301314	20971	322285	313236	20550	333786	
EA	EA-CIA	6459	2192	8651	7410	4460	11870	7751	3890	11547	
	EA-GO	60	1200	1260	60	2400	2460	60	2400	2460	
	TOTAL	6519	3392	9911	7470	5860	14330	7811	6290	14101	
FIN	FIN-FEP	17148	-	17148	18929	-	18929	18895	-	18895	
	TOTAL	17148	-	17148	18929	-	18929	18895	-	18895	
F&O	F&O-FM	197096	14892	211988	248668	16638	265306	254837	15934	270771	
	TOTAL	197096	14892	211988	248668	16638	265306	254837	15934	270771	
H&W	NHW-ADM	8195	3266	11461	7993	3323	11316	8645	3383	12028	
	NHW-HP	51530	3170	54700	57380	2693	60073	57192	2204	59396	
	NHW-HSS	1927	16899	18626	2187	18739	20926	2308	20011	22319	
	NHW-IS	824	-	824	882	-	882	1067	25	1092	
	NHW-MS	2473	-	2473	3155	-	3155	3016	-	3016	
	NHW-SS	578	6148	6726	741	6405	7146	790	5917	6707	
	TOTAL	65527	29283	94810	72338	31160	103498	73018	31540	104558	
INA	IAND-IIA	10	162	172	30	12	42	42	-	42	
	IAND-NA	1745	1801	3546	3404	5390	8794	3418	5316	8734	
	TOTAL	1755	1963	3718	3434	5402	8836	3460	5316	8776	
IDRC	IDRC	20208	43463	63671	24014	49647	73661	27677	57725	85402	
	TOTAL	20208	43463	63671	24014	49647	73661	27577	57725	85402	
IJC	IJC	2880	106	2986	3226	158	3384	3257	190	3447	
	TOTAL	2880	106	2986	3226	158	3384	3257	190	3447	
JUST	JUST-ADM	1612	3156	4768	1792	3685	5477	1719	3535	5254	
	JUST-CUJO	1770	-	1770	420	-	420	-	-	-	
	TOTAL	3382	3156	6538	2212	3685	5897	1719	3535	5254	
LAB	LAB	4631	427	5058	4727	1066	5793	4945	1207	6152	

(CONTINUED)

TABLE 4

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: TOTAL

		YEAR								
		1983-84			1984-85			1985-86		
		PERFORMER:			PERFORMER:			PERFORMER:		
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
LAB	TOTAL	4631	427	5058	4727	1066	5793	4945	1207	6152
LRC	LRC	1069	2065	3134	1115	2109	3224	1153	2084	3237
	TOTAL	1069	2065	3134	1115	2109	3224	1153	2084	3237
LFB	LFB	119	30	149	124	45	169	127	45	172
	TOTAL	119	30	149	124	45	169	127	45	172
MRC	MRC	3126	137313	140439	3779	153191	156970	3497	127086	130583
	TOTAL	3126	137313	140439	3779	153191	156970	3497	127086	130583
NCC	NCC	683	270	953	705	201	906	710	404	1114
	TOTAL	683	270	953	705	201	906	710	404	1114
NDEF	NDEF-SER	111580	48531	160111	123797	83097	206894	131212	100922	232134
	TOTAL	111580	48531	160111	123797	83097	206894	131212	100922	232134
NEB	NEB	2247	.	2247	2171	.	2171	2619	.	2619
	TOTAL	2247	.	2247	2171	.	2171	2619	.	2619
NFB	NFB	701	72	773	748	60	808	1126	300	1426
	TOTAL	701	72	773	748	60	808	1126	300	1426
NLIB	NLIB	29593	28	29621	31706	37	31743	32815	42	32857
	TOTAL	29593	28	29621	31706	37	31743	32815	42	32857
NMUS	NMUS	57534	12423	69957	61106	13143	74249	62044	13920	75964
	TOTAL	57534	12423	69957	61106	13143	74249	62044	13920	75964
NRC	NRC-SIR	257151	124507	381658	320283	173921	494204	288339	141390	429729
	NRC-STI	23427	78	23505	26929	78	27007	30023	78	30101
	TOTAL	280578	124585	405163	347212	173999	521211	318362	141468	459830
NSERC	NSERC	6567	275010	281577	9254	302643	311897	10802	284869	295671
	TOTAL	6567	275010	281577	9254	302643	311897	10802	284869	295671
PC	PC	.	129	129	.	90	90	.	90	90
	TOTAL	.	129	129	.	90	90	.	90	90
PA	PA	15977	529	16506	16670	.	15570	15788	.	16788
	TOTAL	15977	529	16506	16670	.	15570	15788	.	16788
PW	PW-PTS	4291	2812	7103	4252	3126	7378	2468	3521	5989
	TOTAL	4291	2812	7103	4252	3126	7378	2468	3521	5989
RIE	RIE	9049	153948	162997	13475	225049	238524	15744	262158	277902
	TOTAL	9049	153948	162997	13475	225049	238524	15744	262158	277902
REV	REV-TAX	2244	.	2244	2977	.	2977	3055	.	3055
	TOTAL	2244	.	2244	2977	.	2977	3055	.	3055
RCMP	RCMP	40	316	356	45	382	427	60	540	600
	TOTAL	40	316	356	45	382	427	60	540	600
SC	SC	3786	796	4582	4011	836	4847	4171	870	5041
	TOTAL	3786	796	4582	4011	836	4847	4171	870	5041

(CONTINUED)

TABLE 4

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: TOTAL

		YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
DEPARTMENT:	PROGRAM:										
ST	ST	8739	2430	11169	6105	1895	8000	6953	2124	9077	
	TOTAL	8739	2430	11169	6105	1895	8000	6953	2124	9077	
SECS	SECS-ADM	803	48	851	822	73	895	846	197	1043	
	SECS-CIT	410	1086	1496	503	4989	5492	468	5598	6066	
	SECS-ES	250	1460	1710	455	8716	9171	250	250	500	
	SECS-DL	1737	765	2502	1809	893	2702	1824	938	2762	
	TOTAL	3200	3359	6559	3589	14671	18260	3388	6983	10371	
SSHRC	SSHRC	5655	54429	60084	6039	56759	62798	6257	54624	60881	
	TOTAL	5655	54429	60084	6039	56759	62798	6257	54624	60881	
SGEN	SGEN-ADM	3415	5093	8508	3800	10196	13996	3800	10046	13846	
	TOTAL	3415	5093	8508	3800	10196	13996	3800	10046	13846	
STCAN	STCAN	201193	94	201287	213309	99	213408	216000	94	216094	
	TOTAL	201193	94	201287	213309	99	213408	216000	94	216094	
SS	SS-SUPP	154	14985	15139	163	16000	15163	172	15000	15172	
	TOTAL	154	14985	15139	163	16000	15163	172	15000	15172	
TPT	TPT-ADM	5582	18403	23985	5462	21560	27022	6312	21833	28145	
	TPT-AIR	3948	188	4136	4220	888	5108	4005	1765	5770	
	TPT-MAR	4352	3860	8212	4807	6766	11573	5401	6499	11900	
	TPT-SUR	170	602	772	140	456	596	140	399	539	
	TOTAL	14052	23053	37105	14629	29670	44299	15858	30496	46354	
TB	TB-ADM	16437	141	16578	17488	148	17636	18363	153	18516	
	TOTAL	16437	141	16578	17488	148	17636	18363	153	18516	
TOTAL	TOTAL	2092525	1206477	3299002	2411810	1492643	3904453	2471889	1502391	3974280	

TABLE 5

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: TOTAL

DEPARTMENT:		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-ADM	.	5729	5729	.	5781	5781	.	6148	6148
	AGR-CGC	2129	2159	4288	2394	2389	4783	3600	3129	6729
	AGR-DEV	212917	7608	220525	246861	4679	251540	270980	4604	275584
	AGR-FOR	59735	5526	65261	80197	4392	64589	57609	4409	62018
	AGR-RI	6390	15379	21769	6917	20442	27359	7839	30355	38194
	TOTAL	281171	36401	317572	316369	37683	354052	340028	48645	388673
AECB	AECB	1991	90	2081	3378	250	3628	3724	288	4012
	TOTAL	1991	90	2081	3378	250	3628	3724	288	4012
AECL	AECL	120675	17315	137990	127846	18558	146404	132951	19543	152494
	TOTAL	120675	17315	137990	127846	18558	146404	132951	19543	152494
CC	CDC	120	130	250	114	132	246	121	137	258
	TOTAL	120	130	250	114	132	246	121	137	258
CEIC	CEIC	.	9131	9131	.	9766	9766	.	10247	10247
	TOTAL	.	9131	9131	.	9766	9766	.	10247	10247
CMHC	CMHC	6386	10136	16522	10873	12001	22874	10603	11614	22217
	TOTAL	6386	10136	16522	10873	12001	22874	10603	11614	22217
CBC	CBC	.	5039	5039	.	5459	5459	.	5678	5678
	TOTAL	.	5039	5039	.	5459	5459	.	5678	5678
COC	CDC	1792	.	1792	2208	.	2208	.	.	.
	TOTAL	1792	.	1792	2208	.	2208	.	.	.
CHRC	CHRC	.	357	357	.	553	553	.	500	500
	TOTAL	.	357	357	.	553	553	.	500	500
CIOA	CIOA	15500	32295	47795	14735	37142	51877	15260	41638	56898
	TOTAL	15500	32295	47795	14735	37142	51877	15260	41638	56898
CRTC	CRTC	576	22	598	739	30	759	883	30	913
	TOTAL	576	22	598	739	30	759	883	30	913
CTC	CTC	1828	1587	3415	1791	1580	3371	1791	1580	3371
	TOTAL	1828	1587	3415	1791	1580	3371	1791	1580	3371
COL	COL	.	2723	2723	.	3108	3108	.	2998	2998
	TOTAL	.	2723	2723	.	3108	3108	.	2998	2998
COMM	COMM-COMM	80580	3144	83724	105266	10078	115344	83409	8900	92309
	TOTAL	80580	3144	83724	105266	10078	115344	83409	8900	92309
CCA	CCA-ADM	2280	187	2467	2375	125	2500	1716	130	1846
	CCA-CON	.	2922	2922	.	5280	5280	.	3501	3501
	CCA-COR	.	10841	10841	.	11537	11537	.	12635	12635
	TOTAL	2280	13950	16230	2375	16942	19317	1716	16266	17982
ECC	ECC	6796	1268	8064	6980	1365	8345	7323	1420	8743
	TOTAL	6796	1268	8064	6980	1365	8345	7323	1420	8743

(CONTINUED)

TABLE 5

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
ED	MSED	.	19813	19813	.	6934	6934	.	.	.
	TOTAL	.	19813	19813	.	6934	6934	.	.	.
E&I	E&I-ADM	1247	11565	12812	1356	12473	13829	1420	13091	14511
	TOTAL	1247	11565	12812	1356	12473	13829	1420	13091	14511
EMR	EMR-MES	153201	64233	217434	192234	73457	265691	219792	93346	313138
	EMR-ENER	29005	20284	49289	45285	28759	74044	52223	40590	92813
	TOTAL	182206	84517	266723	237519	102216	339735	272015	133936	405951
ENV	ENV-ADM	343	159	502	541	135	676	991	221	1212
	ENV-AES	25407	154069	180476	33773	173645	207418	38536	183561	222097
	ENV-ECS	23416	54470	77886	26086	60673	86759	25469	59154	84623
	ENV-EPS	10407	3990	14397	10178	3664	13842	8075	3425	11500
	ENV-PC	873	11939	12812	932	12658	13590	986	13368	14354
	TOTAL	61446	224627	286073	71510	250775	322285	74057	259729	333786
EA	EA-CIA	.	8651	8651	.	11870	11870	.	11641	11641
	EA-GO	1260	.	1260	2460	.	2460	2460	.	2460
	TOTAL	1260	8651	9911	2460	11870	14330	2460	11641	14101
FIN	FIN-FEP	.	17148	17148	.	18929	18929	.	18895	18895
	TOTAL	.	17148	17148	.	18929	18929	.	18895	18895
F&O	F&O-FM	127608	84380	211988	155785	109521	265306	159939	110832	270771
	TOTAL	127608	84380	211988	155785	109521	265306	159939	110832	270771
H&W	NHW-ADM	1065	10396	11461	1046	10270	11316	1133	10895	12028
	NHW-HP	14057	40643	54700	13983	46090	60073	14121	45275	59396
	NHW-HSS	12859	5767	18626	14063	6863	20926	14902	7417	223191
	NHW-IS	.	824	824	.	882	882	.	1092	1092
	NHW-MS	2473	.	2473	3155	.	3155	3016	.	3016
	NHW-SS	2682	4044	6726	2768	4378	7146	2246	4461	67071
	TOTAL	33136	61674	94810	35015	68483	103498	35418	69140	104558
INA	IAND-IIA	124	48	172	17	25	42	.	42	42
	IAND-NA	2997	549	3546	5000	3794	8794	5165	3569	8734
	TOTAL	3121	597	3718	5017	3819	8836	5165	3611	8776
IDRC	IDRC	52500	11171	63671	58517	15144	73661	70318	15084	85402
	TOTAL	52500	11171	63671	58517	15144	73661	70318	15084	85402
IJC	IJC	.	2986	2986	.	3384	3384	.	3447	3447
	TOTAL	.	2986	2986	.	3384	3384	.	3447	3447
JUST	JUST-ADM	2105	2663	4768	2569	2908	5477	1851	3403	5254
	JUST-CUO	.	1770	1770	.	420	420	.	.	.
	TOTAL	2105	4433	6538	2569	3328	5897	1851	3403	5254
LAB	LAB	381	4637	5058	252	5541	5793	211	5941	6152

(CONTINUED)

TABLE 5

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
LAB	TOTAL	361	4697	5058	252	5541	5793	211	5941	6152
LRC	LRC	2137	997	3134	2288	936	3224	2304	933	3237
	TOTAL	2137	997	3134	2288	936	3224	2304	933	3237
LFB	LFB	122	27	149	141	28	169	144	28	172
	TOTAL	122	27	149	141	28	169	144	28	172
MRC	MRC	135746	4693	140439	151125	5845	156970	125910	4673	130583
	TOTAL	135746	4693	140439	151125	5845	156970	125910	4673	130583
NCC	NCC	30	923	953	40	866	906	10	1104	1114
	TOTAL	30	923	953	40	866	906	10	1104	1114
NDEF	NDEF-SER	157064	3047	160111	203429	3465	206894	228386	3748	232134
	TOTAL	157064	3047	160111	203429	3465	206894	228386	3748	232134
NEB	NEB	.	2247	2247	.	2171	2171	.	2619	2619
	TOTAL	.	2247	2247	.	2171	2171	.	2619	2619
NFB	NFB	551	222	773	383	425	808	1001	425	1426
	TOTAL	551	222	773	383	425	808	1001	425	1426
NLIB	NLIB	.	29621	29621	.	31743	31743	.	32857	32857
	TOTAL	.	29621	29621	.	31743	31743	.	32857	32857
NMUS	NMUS	6582	63375	69957	6699	67550	74249	7526	68438	75964
	TOTAL	6582	63375	69957	6699	67550	74249	7526	68438	75964
NRC	NRC-SIR	355717	25941	381658	466618	27586	494204	401170	28559	429729
	NRC-STI	.	23505	23505	.	27007	27007	.	30101	30101
	TOTAL	355717	49446	405163	466618	54593	521211	401170	58660	459830
NSERC	NSERC	248197	33380	281577	270306	41591	311897	255167	40504	295671
	TOTAL	248197	33380	281577	270306	41591	311897	255167	40504	295671
PC	PC	129	.	129	90	.	90	90	.	90
	TOTAL	129	.	129	90	.	90	90	.	90
PA	PA	.	16506	16506	.	16670	16670	.	16788	16788
	TOTAL	.	16506	16506	.	16670	16670	.	16788	16788
PW	PW-PTS	3411	3692	7103	3809	3569	7378	3957	2032	5989
	TOTAL	3411	3692	7103	3809	3569	7378	3957	2032	5989
RIE	RIE	145188	17809	162997	216095	22429	238524	260218	17684	277902
	TOTAL	145188	17809	162997	216095	22429	238524	260218	17684	277902
REV	REV-TAX	90	2154	2244	134	2843	2977	137	2918	3055
	TOTAL	90	2154	2244	134	2843	2977	137	2918	3055
RCMP	RCMP	349	7	356	419	8	427	592	8	600
	TOTAL	349	7	356	419	8	427	592	8	600
SC	SC	2364	2218	4582	2576	2271	4847	2673	2368	5041
	TOTAL	2364	2218	4582	2576	2271	4847	2673	2368	5041

(CONTINUED)

TABLE 5

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: TOTAL

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
ST	ST	2047	9122	11169	1895	6105	8000	2124	6953	9077
	TOTAL	2047	9122	11169	1895	6105	8000	2124	6953	9077
SECS	SECS-ADM	1	850	851	-	895	895	27	1016	1043
	SECS-CIT	1445	50	1496	5253	239	5492	6066	-	6066
	SECS-ES	1450	260	1710	9171	-	9171	500	-	500
	SECS-DL	1450	1052	2502	1474	1228	2702	1548	1214	2762
	TOTAL	4347	2212	6559	15898	2362	18260	8141	2230	10371
SSHRC	SSHRC	39401	20883	60084	41705	21093	62798	39155	21726	60881
	TOTAL	39401	20883	60084	41705	21093	62798	39155	21726	60881
SGEN	SGEN-ADM	6417	2091	8508	11096	2900	13996	11096	2750	13846
	TOTAL	6417	2091	8508	11096	2900	13996	11096	2750	13846
STCAN	STCAN	8022	193265	201287	9096	204312	213408	9434	206660	216094
	TOTAL	8022	193265	201287	9096	204312	213408	9434	206660	216094
SS	SS-SUPP	11271	3868	15139	11286	3877	15163	11323	3849	15172
	TOTAL	11271	3868	15139	11286	3877	15163	11323	3849	15172
TPT	TPT-ADM	21341	2644	23985	21137	5885	27022	21889	6256	28145
	TPT-AIR	871	3265	4136	894	4214	5108	1918	3852	5770
	TPT-MAR	7970	242	8212	10337	1236	11573	10713	1187	11900
	TPT-SUR	772	-	772	596	-	596	539	-	539
	TOTAL	30954	6151	37105	32964	11335	44295	35059	11295	46354
TB	TB-ADM	141	16437	16578	148	17488	17636	153	18363	18516
	TOTAL	141	16437	16578	148	17488	17636	153	18363	18516
TOTAL	TOTAL	2144962	1154040	3299002	2610914	1293539	3904453	2626433	1347847	3974280

TABLE 6

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: INTRAMURAL

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
AGR	AGR-ADM	.	5729	5729	.	5781	5781	.	6148	6148
	AGR-CGC	2129	2155	4284	2394	2385	4779	3600	3125	6725
	AGR-DEV	191075	6772	197847	230340	4339	234679	258993	4252	263245
	AGR-FOR	42859	4721	47580	47093	3611	50704	43048	3437	46485
	AGR-RI	6390	15379	21769	6917	20442	27359	7839	30355	38184
	TOTAL	242453	34756	277209	288744	36558	323302	313480	47317	360797
AECB	AECB	615	22	637	723	22	745	776	27	803
	TOTAL	615	22	637	723	22	745	776	27	803
AECL	AECL	113074	8689	121763	120185	9007	129192	125410	9670	135080
	TOTAL	113074	8689	121763	120185	9007	129192	125410	9670	135080
CC	CDC	110	121	231	110	122	232	116	127	243
	TOTAL	110	121	231	110	122	232	116	127	243
CEIC	CEIC	.	8658	8658	.	9146	9146	.	9598	9598
	TOTAL	.	8658	8658	.	9146	9146	.	9598	9598
CMHC	CMHC	4349	6031	10380	5190	7210	12400	5545	7714	13259
	TOTAL	4349	6031	10380	5190	7210	12400	5545	7714	13259
CBC	CBC	.	2463	2463	.	2417	2417	.	2513	2513
	TOTAL	.	2463	2463	.	2417	2417	.	2513	2513
COC	CDC	248	.	248	305	.	305	.	.	.
	TOTAL	248	.	248	305	.	305	.	.	.
CHRC	CHRC	.	357	357	.	553	553	.	500	500
	TOTAL	.	357	357	.	553	553	.	500	500
CIOA	CIOA	546	2916	3462	631	2768	3399	620	2796	3416
	TOTAL	546	2916	3462	631	2768	3399	620	2796	3416
CRTC	CRTC	431	.	431	598	.	598	738	.	738
	TOTAL	431	.	431	598	.	598	738	.	738
CTC	CTC	1558	1587	3145	1517	1580	3097	1517	1580	3097
	TOTAL	1558	1587	3145	1517	1580	3097	1517	1580	3097
COL	COL	.	2723	2723	.	3108	3108	.	2998	2998
	TOTAL	.	2723	2723	.	3108	3108	.	2998	2998
COMM	COMM-COMM	50950	2225	53175	70238	3974	74212	49214	4625	53839
	TOTAL	50950	2225	53175	70238	3974	74212	49214	4625	53839
CCA	CCA-ADM	1245	101	1346	1306	64	1370	1240	66	1306
	CCA-CON	.	2922	2922	.	5280	5280	.	3501	3501
	CCA-COR	.	10841	10841	.	11537	11537	.	12635	12535
	TOTAL	1245	13864	15109	1306	15881	18187	1240	16202	17442
ECC	ECC	6278	1258	7546	6555	1365	7920	6868	1420	8286
	TOTAL	6278	1258	7546	6555	1365	7920	6868	1420	8286

(CONTINUED)

TABLE 6

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: INTRAMURAL

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
ED	MSED	-	19418	19418	-	6934	6934	-	-	-
	TOTAL	-	19418	19418	-	6934	6934	-	-	-
E&I	E&I-ADM	1224	10484	11708	1297	11478	12775	1359	12047	13406
	TOTAL	1224	10484	11708	1297	11478	12775	1359	12047	13406
EMR	EMR-MES	127746	57068	184814	180734	64771	225505	177479	78813	256292
	EMR-ENER	2028	1311	3339	2285	897	3182	2652	531	3183
	TOTAL	129774	58379	188153	163019	65668	228687	180131	79344	259475
ENV	ENV-ADM	343	80	423	501	88	589	511	87	598
	ENV-AES	25299	151109	176408	32516	170246	202762	37144	179842	216986
	ENV-ECS	21439	47318	68757	24173	53584	77757	23597	52242	75839
	ENV-EPS	3976	3631	7607	4803	3377	8180	3925	3145	7070
	ENV-PC	-	11339	11339	-	12026	12026	-	12743	12743
	TOTAL	51057	213477	264534	61993	239321	301314	65177	248059	313236
EA	EA-CIA	-	6459	6459	-	7410	7410	-	7751	7751
	EA-GO	60	-	60	60	-	60	60	-	60
	TOTAL	60	6459	6519	60	7410	7470	60	7751	7811
FIN	FIN-FEP	-	17148	17148	-	18929	18929	-	18895	18895
	TOTAL	-	17148	17148	-	18929	18929	-	18895	18895
F&O	F&O-FM	117027	80069	197096	144273	104395	248668	148725	106112	254837
	TOTAL	117027	80069	197096	144273	104395	248668	148725	106112	254837
H&W	NHW-ADM	1065	7130	8195	1046	6947	7993	1133	7512	8645
	NHW-HP	12445	39085	51530	13123	44257	57380	13286	43906	57182
	NHW-HSS	1100	827	1927	1258	929	2187	1311	997	2308
	NHW-IS	-	824	824	-	882	882	-	1067	1067
	NHW-MS	2473	-	2473	3155	-	3155	3016	-	3016
	NHW-SS	335	243	578	439	302	741	464	326	790
	TOTAL	17418	48109	65527	19021	53317	72338	19210	53808	73018
INA	IAND-IIA	10	-	10	5	25	30	-	42	42
	IAND-NA	1475	270	1745	2263	1141	3404	2227	1191	3418
	TOTAL	1485	270	1755	2268	1166	3434	2227	1233	3460
IDRC	IDRC	12544	7664	20208	14243	9771	24014	17372	10305	27677
	TOTAL	12544	7664	20208	14243	9771	24014	17372	10305	27677
IJC	IJC	-	2880	2880	-	3226	3226	-	3257	3257
	TOTAL	-	2880	2880	-	3226	3226	-	3257	3257
JUST	JUST-ADM	956	656	1612	1133	653	1792	1022	697	1719
	JUST-CUJO	-	1770	1770	-	420	420	-	-	-
	TOTAL	956	2426	3382	1139	1073	2212	1022	697	1719
LAB	LAB	113	4518	4631	113	4614	4727	109	4836	4945

(CONTINUED)

TABLE 6

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: INTRAMURAL

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
LAB	TOTAL	113	4518	4631	113	4514	4727	109	4836	4945
LRC	LRC	573	496	1069	625	490	1115	641	512	1153
	TOTAL	573	496	1069	625	490	1115	641	512	1153
LFB	LFB	92	27	119	96	28	124	99	28	127
	TOTAL	92	27	119	96	28	124	99	28	127
MRC	MRC	3024	102	3126	3628	151	3779	3358	139	3497
	TOTAL	3024	102	3126	3628	151	3779	3358	139	3497
NCC	NCC	.	683	683	.	705	705	.	710	710
	TOTAL	.	683	683	.	705	705	.	710	710
NDEF	NOEF-SER	108677	2903	111580	120516	3281	123797	127626	3586	131212
	TOTAL	108677	2903	111580	120516	3281	123797	127626	3586	131212
NEB	NEB	.	2247	2247	.	2171	2171	.	2619	2619
	TOTAL	.	2247	2247	.	2171	2171	.	2619	2619
NFB	NFB	479	222	701	323	425	748	701	425	1126
	TOTAL	479	222	701	323	425	748	701	425	1126
NLIB	NLIB	.	29593	29593	.	31706	31706	.	32815	32815
	TOTAL	.	29593	29593	.	31706	31706	.	32815	32815
NMUS	NMUS	6205	51329	57534	6301	54805	61106	7104	54940	62044
	TOTAL	6205	51329	57534	6301	54805	61106	7104	54940	62044
NRC	NRC-SIR	232236	24915	257151	294149	26134	320283	260280	28059	288339
	NRC-STI	.	23427	23427	.	26929	26929	.	30023	30023
	TOTAL	232236	48342	280578	294149	53063	347212	260280	58082	318362
NSERC	NSERC	5786	781	6567	7958	1296	9254	9344	1458	10802
	TOTAL	5786	781	6567	7958	1296	9254	9344	1458	10802
PA	PA	.	15977	15977	.	16670	16670	.	16788	16788
	TOTAL	.	15977	15977	.	16670	16670	.	16788	16788
PW	PW-PTS	1511	2780	4291	1637	2615	4252	1329	1139	2468
	TOTAL	1511	2780	4291	1637	2615	4252	1329	1139	2468
RIE	RIE	8744	305	9049	12975	500	13475	15624	120	15744
	TOTAL	8744	305	9049	12975	500	13475	15624	120	15744
REV	REV-TAX	90	2154	2244	134	2843	2977	137	2918	3055
	TOTAL	90	2154	2244	134	2843	2977	137	2918	3055
RCMP	RCMP	40	.	40	45	.	45	60	.	60
	TOTAL	40	.	40	45	.	45	60	.	60
SC	SC	1568	2218	3786	1740	2271	4011	1803	2368	4171
	TOTAL	1568	2218	3786	1740	2271	4011	1803	2368	4171
ST	ST	.	8739	8739	.	6105	6105	.	6953	6953
	TOTAL	.	8739	8739	.	6105	6105	.	6953	6953

(CONTINUED)

TABLE 6

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: INTRAMURAL

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT: PROGRAM:										
SECS	SECS-ADM	.	803	803	.	822	822	.	846	846
	SECS-CIT	410	.	410	503	.	503	488	.	488
	SECS-ES	250	.	250	455	.	455	250	.	250
	SECS-OL	1416	321	1737	1474	335	1809	1548	276	1824
	TOTAL	2076	1124	3200	2432	1157	3589	2266	1122	3388
SSHRC	SSHRC	3486	2169	5655	3826	2213	6039	3845	2412	6257
	TOTAL	3486	2169	5655	3826	2213	6039	3845	2412	6257
SGEN	SGEN-ADM	2320	1095	3415	2800	1000	3800	2800	1000	3800
	TOTAL	2320	1095	3415	2800	1000	3800	2800	1000	3800
STCAN	STCAN	8022	193171	201193	9096	204213	213309	9434	206566	216000
	TOTAL	8022	193171	201193	9096	204213	213309	9434	206566	216000
SS	SS-SUPP	115	39	154	121	42	163	127	45	172
	TOTAL	115	39	154	121	42	163	127	45	172
TPT	TPT-ADM	3736	1846	5582	3184	2298	5462	3433	2879	6312
	TPT-AIR	752	3196	3948	445	3775	4220	718	3287	4006
	TPT-MAR	4157	195	4352	4807	.	4807	5401	.	5401
	TPT-SUR	170	.	170	140	.	140	140	.	140
	TOTAL	8815	5237	14052	8556	6073	14629	9692	6166	15858
TB	TB-ADM	.	16437	16437	.	17488	17488	.	18363	18363
	TOTAL	.	16437	16437	.	17488	17488	.	18363	18363
TOTAL	TOTAL	1147374	945151	2092525	1378486	1033324	2411810	1397184	1074705	2471889

TABLE 7

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN INDUSTRY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	4916	140	5056	6543	201	6744	4640	205	4849
	AGR-FOR	12939	307	13246	8879	110	8989	10136	111	10247
	TOTAL	17855	447	18302	15422	311	15733	14776	320	15096
AECB	AECB	774	17	791	1811	159	1970	2007	195	2202
	TOTAL	774	17	791	1811	159	1970	2007	195	2202
AECL	AECL	4666	8517	13183	4999	9451	14450	4726	9768	14494
	TOTAL	4666	8517	13183	4999	9451	14450	4726	9768	14494
CC	CDC	10	9	19	4	10	14	5	10	15
	TOTAL	10	9	19	4	10	14	5	10	15
CEIC	CEIC	-	213	213	-	280	280	-	293	293
	TOTAL	-	213	213	-	280	280	-	293	293
CMHC	CMHC	382	1451	1833	3785	2208	5993	3362	1968	5330
	TOTAL	382	1451	1833	3785	2208	5993	3362	1968	5330
CBC	CBC	-	2547	2547	-	3042	3042	-	3165	3165
	TOTAL	-	2547	2547	-	3042	3042	-	3165	3165
CDC	CDC	509	-	509	626	-	626	-	-	-
	TOTAL	509	-	509	626	-	626	-	-	-
CIDA	CIOA	-	27266	27266	-	31901	31901	-	36048	36048
	TOTAL	-	27266	27266	-	31901	31901	-	36048	36048
CRTC	CRTC	10	-	10	-	-	-	-	-	-
	TOTAL	10	-	10	-	-	-	-	-	-
CTC	CTC	127	-	127	129	-	129	129	-	129
	TOTAL	127	-	127	129	-	129	129	-	129
COMM	COMM-COMM	13120	894	14014	19158	6079	25237	14045	4250	18295
	TOTAL	13120	894	14014	19158	6079	25237	14045	4250	18295
CCA	CCA-ADM	700	86	786	724	61	785	312	64	376
	TOTAL	700	86	786	724	61	785	312	64	376
ECC	ECC	215	-	215	115	-	115	150	-	150
	TOTAL	215	-	215	115	-	115	150	-	150
E&I	E&I-ADM	7	759	766	-	686	686	-	720	720
	TOTAL	7	759	766	-	686	686	-	720	720
EMR	EMR-MES	14291	6541	20832	15002	8152	23154	16070	14003	30073
	EMR-ENER	21270	3541	24811	34193	12780	46973	40798	35460	76258
	TOTAL	35561	10082	45643	49195	20932	70127	56868	49463	106331
ENV	ENV-ADM	-	54	54	40	45	85	125	92	217
	ENV-AES	-	680	680	-	748	748	-	823	823
	ENV-ECS	633	736	1369	294	942	1236	286	918	1204
	ENV-EPS	4771	309	5080	4419	240	4659	3260	255	3495

(CONTINUED)

TABLE 7

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN INDUSTRY

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
ENV	ENV-PC	329	260	589	351	272	623	371	245	616
	TOTAL	5733	2039	7772	5104	2247	7351	4042	2313	6355
EA	EA-GO	800	-	800	2000	-	2000	2000	-	2000
	TOTAL	800	-	800	2000	-	2000	2000	-	2000
F&O	F&O-FM	6156	3388	9544	7028	4080	11108	6806	3643	10449
	TOTAL	6156	3388	9544	7028	4080	11108	6806	3643	10449
H&W	NHW-ADM	-	791	791	-	836	836	-	813	813
	NHW-HP	500	460	960	500	505	1005	480	850	1330
	NHW-HSS	454	59	513	461	71	532	510	47	557
	NHW-IS	-	-	-	-	-	-	-	25	25
	NHW-SS	18	-	18	5	-	5	20	-	20
	TOTAL	972	1310	2282	966	1412	2378	1010	1735	2745
INA	IAND-NA	387	176	563	1237	176	1413	1173	265	1438
	TOTAL	387	176	563	1237	176	1413	1173	265	1438
IJC	IJC	-	34	34	-	58	58	-	70	70
	TOTAL	-	34	34	-	58	58	-	70	70
JUST	JUST-ADM	128	291	419	107	453	560	78	420	498
	TOTAL	128	291	419	107	453	560	78	420	498
LAB	LAB	-	10	10	-	472	472	-	847	847
	TOTAL	-	10	10	-	472	472	-	847	847
LRC	LRC	-	501	501	-	446	446	-	421	421
	TOTAL	-	501	501	-	446	446	-	421	421
LFB	LFB	10	-	10	25	-	25	25	-	25
	TOTAL	10	-	10	25	-	25	25	-	25
NCC	NCC	-	103	103	30	114	144	-	377	377
	TOTAL	-	103	103	30	114	144	-	377	377
NOEF	NOEF-SER	37933	75	38008	71990	98	72088	89641	84	89725
	TOTAL	37933	75	38008	71990	98	72088	89641	84	89725
NFB	NFB	46	-	46	60	-	60	300	-	300
	TOTAL	46	-	46	60	-	60	300	-	300
NMUS	NMUS	-	773	773	-	811	811	-	863	863
	TOTAL	-	773	773	-	811	811	-	863	863
NRC	NRC-SIR	80995	541	81536	115448	764	116212	90123	264	90387
	TOTAL	80995	541	81536	115448	764	116212	90123	264	90387
NSERC	NSERC	2346	349	3295	3236	1817	5053	3614	2032	5646
	TOTAL	2346	349	3295	3236	1817	5053	3614	2032	5646
PW	PW-PTS	1614	612	2226	2091	695	2787	2278	419	2597
	TOTAL	1614	612	2226	2091	695	2787	2278	419	2597

(CONTINUED)

TABLE 7

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN INDUSTRY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
(\$,000)		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
RIE	RIE	136444	4397	140841	203120	6382	209502	244594	7565	252159
	TOTAL	136444	4397	140841	203120	6382	209502	244594	7565	252159
RCMP	RCMP	309	.	309	374	.	374	532	.	532
	TOTAL	309	.	309	374	.	374	532	.	532
SC	SC	373	.	373	392	.	392	408	.	408
	TOTAL	373	.	373	392	.	392	408	.	408
SECS	SECS-CIT	74	5	79	515	.	515	557	.	557
	SECS-ES	.	95	95	329	.	329	.	.	.
	SECS-QL	34	.	34	.	.	.	.	.	.
	TOTAL	108	100	208	844	.	844	557	.	557
SGEN	SGEN-AOM	1099	447	1546	1398	900	2298	1398	900	2298
	TOTAL	1099	447	1546	1398	900	2298	1398	900	2298
SS	SS-SUPP	10159	3172	13331	10345	2685	13030	10366	2829	13195
	TOTAL	10159	3172	13331	10345	2685	13030	10366	2829	13195
TPT	TPT-ADM	16185	672	16837	16115	3282	19397	16953	2920	19873
	TPT-AIR	119	68	188	419	410	829	1000	520	1520
	TPT-MAR	3570	36	3606	5480	1236	6716	5262	1187	6449
	TPT-SUR	423	.	423	325	.	325	260	.	260
	TOTAL	20277	777	21054	22339	4928	27267	23475	4627	28102
TOTAL	TOTAL	379825	71983	451808	544102	103659	647761	578800	135938	714738

TABLE 8

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN UNIVERSITY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-OEV	5725	15	5740	7288	22	7310	5116	23	5139
	AGR-FOR	2790	-	2790	3438	-	3438	3911	-	3911
	TOTAL	8515	15	8530	10726	22	10748	9027	23	9050
AECB	AECB	210	-	210	266	14	280	307	16	323
	TOTAL	210	-	210	266	14	280	307	16	323
AECL	AECL	2276	109	2385	2014	100	2114	2128	105	2233
	TOTAL	2276	109	2385	2014	100	2114	2128	105	2233
CEIC	CEIC	-	173	173	-	148	148	-	155	155
	TOTAL	-	173	173	-	148	148	-	155	155
CMHC	CMHC	44	1158	1202	321	1320	1641	290	820	1110
	TOTAL	44	1158	1202	321	1320	1641	290	820	1110
CBC	CBC	-	29	29	-	-	-	-	-	-
	TOTAL	-	29	29	-	-	-	-	-	-
COC	CDC	448	-	448	552	-	552	-	-	-
	TOTAL	448	-	448	552	-	552	-	-	-
CIDA	CIOA	400	2113	2513	450	2473	2923	500	2794	3294
	TOTAL	400	2113	2513	450	2473	2923	500	2794	3294
CRTC	CRTC	-	-	-	40	-	40	40	-	40
	TOTAL	-	-	-	40	-	40	40	-	40
CTC	CTC	58	-	58	59	-	59	59	-	59
	TOTAL	58	-	58	59	-	59	59	-	59
COMM	COMM-COMM	127	25	152	1150	25	1175	1150	25	1175
	TOTAL	127	25	152	1150	25	1175	1150	25	1175
CCA	CCA-ADM	333	-	333	343	-	343	161	-	161
	TOTAL	333	-	333	343	-	343	161	-	161
ECC	ECC	53	-	53	50	-	50	50	-	50
	TOTAL	53	-	53	50	-	50	50	-	50
E&I	E&I-ADM	-	175	175	25	100	125	26	105	131
	TOTAL	-	175	175	25	100	125	26	105	131
EMR	EMR-MES	5420	262	5682	5294	204	5498	5069	165	5234
	EMR-ENER	1849	-	1849	1944	-	1944	1641	-	1641
	TOTAL	7269	262	7531	7238	204	7442	6710	165	6875
ENV	ENV-ADM	-	-	-	-	2	2	330	22	352
	ENV-AES	757	21	788	917	12	929	1006	12	1018
	ENV-ECS	547	459	1006	1052	178	1230	1032	174	1206
	ENV-EPS	578	-	578	371	-	371	380	-	380
	ENV-PC	63	5	68	55	5	70	65	5	70
	TOTAL	1955	485	2440	2405	197	2502	2813	213	3026

(CONTINUED)

TABLE 8

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN UNIVERSITY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
EA	EA-CIA	.	1710	1710	.	3486	3486	.	3086	3086
	TOTAL	.	1710	1710	.	3486	3486	.	3086	3086
F&O	F&O-FM	3559	371	3930	3597	478	4075	3518	480	3998
	TOTAL	3559	371	3930	3597	478	4075	3518	480	3998
H&W	NHW-ADM	.	205	205	.	217	217	.	.	.
	NHW-HP	100	157	257	100	240	340	99	291	390
	NHW-HSS	8028	4033	12061	8816	4552	13368	9350	4887	14237
	NHW-SS	853	44	897	944	110	1054	529	95	624
	TOTAL	8981	4439	13420	9860	5119	14979	9978	5273	15251
INA	IAND-NA	1033	5	1038	1175	.	1175	983	.	983
	TOTAL	1033	5	1038	1175	.	1175	983	.	983
IDRC	IDRC	1411	.	1411	1939	.	1939	3015	.	3015
	TOTAL	1411	.	1411	1939	.	1939	3015	.	3015
IJC	IJC	.	2	2	.	.	.	.	.	.
	TOTAL	.	2	2	.	.	.	.	.	.
JUST	JUST-ADM	155	303	458	195	347	542	174	333	507
	TOTAL	155	303	458	195	347	542	174	333	507
LAB	LAB	179	75	254	77	290	367	40	187	227
	TOTAL	179	75	254	77	290	367	40	187	227
MRC	MRC	109511	3987	113498	121676	4575	126251	101756	3739	105495
	TOTAL	109511	3987	113498	121676	4575	126251	101756	3739	105495
NCC	NCC	.	121	121	.	28	28	.	.	.
	TOTAL	.	121	121	.	28	28	.	.	.
NDEF	NDEF-SER	5748	69	5817	5281	86	5367	5597	78	5675
	TOTAL	5748	69	5817	5281	86	5367	5597	78	5675
NMUS	NMUS	.	1119	1119	.	1188	1188	.	1256	1256
	TOTAL	.	1119	1119	.	1188	1188	.	1256	1256
NRC	NRC-SIR	26493	375	26868	30526	532	31058	28956	183	29139
	TOTAL	26493	375	26868	30526	532	31058	28956	183	29139
NSERC	NSERC	235091	27571	262662	254887	33856	288743	237383	33287	270670
	TOTAL	235091	27571	262662	254887	33856	288743	237383	33287	270670
PC	PC	65	.	65	65	.	65	65	.	65
	TOTAL	65	.	65	65	.	65	65	.	65
PW	PW-PTS	177	.	177	72	.	72	310	110	420
	TOTAL	177	.	177	72	.	72	310	110	420
RIE	RIE	.	2032	2032	.	2500	2500	.	2500	2500
	TOTAL	.	2032	2032	.	2500	2500	.	2500	2500
SC	SC	24	.	24	22	.	22	22	.	23

(CONTINUED)

TABLE 8

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN UNIVERSITY

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT: PROGRAM:										
SC	TOTAL	24	.	24	22	.	22	23	.	23
SECS	SECS-CIT	148	3	151	1535	74	1609	2324	.	2324
	SECS-ES	.	32	32	7187	.	7187	.	.	.
	SECS-OL	.	116	116	.	300	300	.	300	300
	TOTAL	148	151	299	8722	374	9096	2324	300	2624
SSHRC	SSHRC	35915	11885	47800	37879	12397	50276	35310	12743	48053
	TOTAL	35915	11885	47800	37879	12397	50276	35310	12743	* 48053
SGEN	SGEN-ADM	1300	69	1369	1700	250	1950	1700	200	1900
	TOTAL	1300	69	1369	1700	250	1950	1700	200	1900
SS	SS-SUPP	783	578	1361	490	460	950	500	702	1202
	TOTAL	783	578	1361	490	460	950	500	702	1202
TPT	TPT-ADM	1101	61	1162	888	138	1026	973	249	1222
	TPT-AIR	.	.	.	.	29	29	.	45	45
	TPT-MAR	50	11	61	50	.	50	50	.	50
	TPT-SUR	130	.	130	115	.	115	123	.	123
	TOTAL	1281	72	1353	1053	167	1220	1146	294	1440
TOTAL	TOTAL	453542	59478	513020	504855	70736	575591	456039	69172	525211

TABLE 9

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN N P INST

DEPARTMENT:		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	9408	.	9408	442	.	442	325	.	325
	AGR-FOR	228	.	228	150	.	150	162	.	162
	TOTAL	9636	.	9636	592	.	592	487	.	487
AECB	AECB	.	2	2	.	3	3	.	3	3
	TOTAL	.	2	2	.	3	3	.	3	3
AECL	AECL	17	.	17	236	.	236	253	.	253
	TOTAL	17	.	17	236	.	236	253	.	253
CEIC	CEIC	.	7	7	.	55	55	.	58	58
	TOTAL	.	7	7	.	55	55	.	58	58
CMHC	CMHC	1275	75	1350	530	332	962	570	300	870
	TOTAL	1275	75	1350	530	332	962	570	300	870
CDC	CDC	587	.	587	725	.	725	.	.	.
	TOTAL	587	.	587	725	.	725	.	.	.
CRTC	CRTC	66	.	66	35	.	35	35	.	35
	TOTAL	66	.	66	35	.	35	35	.	35
ED	MSED	.	395	395	.	0	0	.	.	.
	TOTAL	.	395	395	.	0	0	.	.	.
E&I	E&I-ADM	16	10	26	24	47	71	25	49	74
	TOTAL	16	10	26	24	47	71	25	49	74
EMR	EMR-MES	307	.	307	1545	.	1545	1697	.	1697
	EMR-ENER	10	198	208	10	1885	1895	.	2189	2189
	TOTAL	317	198	515	1555	1885	3440	1697	2189	3886
ENV	ENV-ADM	.	.	.	.	.	.	25	.	25
	ENV-AES	36	16	52	40	16	56	40	20	60
	ENV-ECS	157	1528	1685	52	25	77	51	24	75
	ENV-EPS	309	.	309	99	.	99	100	.	100
	TOTAL	502	1544	2046	191	41	232	216	44	260
EA	EA-GO	400	.	400	400	.	400	400	.	400
	TOTAL	400	.	400	400	.	400	400	.	400
F&O	F&O-FM	142	.	142	133	20	153	141	73	214
	TOTAL	142	.	142	133	20	153	141	73	214
H&W	NHW-HP	55	183	238	55	250	305	53	81	134
	NHW-HSS	2779	796	3575	3027	1247	4274	3170	1375	4545
	NHW-SS	1391	3495	4886	1335	3621	4956	1208	3702	4910
	TOTAL	4225	4474	8599	4417	5118	9535	4431	5158	9589
INA	IANO-NA	32	98	130	82	.	82	422	.	422
	TOTAL	32	98	130	82	.	82	422	.	422
IDRC	IDRC	820	.	820	350	.	950	1186	.	1188

(CONTINUED)

TABLE 9

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN N P INST

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
IDRC	TOTAL	820	.	820	950	.	950	1188	.	1188
JUST	JUST-ADM	420	326	746	515	119	634	111	56	167
	TOTAL	420	326	746	515	119	634	111	56	167
LAB	LAB	33	94	127	.	145	145	.	71	71
	TOTAL	33	94	127	.	145	145	.	71	71
LRC	LRC	6	.	6	11	.	11	11	.	11
	TOTAL	6	.	6	11	.	11	11	.	11
MRC	MRC	18783	322	19105	20803	352	20955	17312	333	17645
	TOTAL	18783	322	19105	20603	352	20955	17312	333	17645
NMUS	NMUS	.	1333	1333	.	1404	1404	.	1491	1491
	TOTAL	.	1333	1333	.	1404	1404	.	1491	1491
NRC	NRC-SIR	585	.	585	263	.	263	240	.	240
	NRC-STI	.	78	78	.	78	78	.	78	78
	TOTAL	585	78	663	263	78	341	240	78	318
NSERC	NSERC	2693	1087	3780	1733	1290	3023	1802	111	1913
	TOTAL	2693	1087	3780	1733	1290	3023	1802	111	1913
PC	PC	64	.	64	25	.	25	25	.	25
	TOTAL	64	.	64	25	.	25	25	.	25
PW	PW-PTS	.	20	20	.	32	32	40	32	72
	TOTAL	.	20	20	.	32	32	40	32	72
RIE	RIE	.	2579	2579	.	2500	2500	.	2500	2500
	TOTAL	.	2579	2579	.	2500	2500	.	2500	2500
SC	SC	41	.	41	55	.	55	57	.	57
	TOTAL	41	.	41	55	.	55	57	.	57
SECS	SECS-CIT	420	.	420	967	165	1132	1028	.	1028
	SECS-ES	.	83	83	.	.	.	.	.	.
	SECS-OL	.	615	615	.	593	593	.	638	638
	TOTAL	420	698	1118	967	758	1725	1028	638	1666
SSHRC	SSHRC	.	2978	2978	.	2810	2810	.	2695	2596
	TOTAL	.	2978	2978	.	2810	2810	.	2695	2696
SGEN	SGEN-ADM	698	10	708	3248	150	3398	3248	100	3348
	TOTAL	698	10	708	3248	150	3398	3248	100	3348
SS	SS-SUPP	68	31	99	330	560	890	330	213	543
	TOTAL	68	31	99	330	560	890	330	213	543
TPT	TPT-ADM	135	61	196	510	92	602	315	88	403
	TPT-SUR	49	.	49	16	.	15	16	.	16
	TOTAL	184	61	245	526	92	618	331	88	419
TB	TB-ADM	141	.	141	148	.	148	153	.	153

(CONTINUED)

TABLE 9

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN N P INST

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:		ACTIVITY:		ACTIVITY:				
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
TB	TOTAL	141	.	141	148	.	148	153	.	153
TOTAL	TOTAL	42171	16420	58591	38394	17791	56185	34553	16281	50834

TABLE 10

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: PROV. MUN. GOVERNMENT

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	21	.	21	29	.	29	20	.	20
	AGR-FOR	247	.	247	103	.	103	108	.	108
	TOTAL	268	.	268	132	.	132	128	.	128
AECB	AECB	22	.	22	132	.	132	165	.	165
	TOTAL	22	.	22	132	.	132	165	.	165
CMHC	CMHC	78	36	114	126	35	161	111	32	143
	TOTAL	78	36	114	126	35	161	111	32	143
EMR	EMR-MES	.	.	.	1505	.	1505	1946	.	1946
	EMR-ENER	1816	15036	16852	3000	13197	16197	3900	2410	6310
	TOTAL	1816	15036	16852	4505	13197	17702	5846	2410	8256
ENV	ENV-ECS	.	4022	4022	138	5171	5309	135	5042	5177
	ENV-EPS	.	.	.	74	.	74	80	.	60
	TOTAL	.	4022	4022	212	5171	5383	195	5042	5237
F&O	F&O-FM	.	15	15	.	15	15	.	15	15
	TOTAL	.	15	15	.	15	15	.	15	15
H&W	NHW-ADM	.	2270	2270	.	2270	2270	.	2570	2570
	NHW-HP	30	176	206	30	232	262	30	40	70
	NHW-HSS	157	10	167	181	18	199	220	60	280
	NHW-SS	85	.	85	.	42	42	5	8	13
	TOTAL	272	2456	2728	211	2562	2773	255	2678	2933
INA	IAND-NA	.	.	.	.	25	25	.	.	.
	TOTAL	.	.	.	.	25	25	.	.	.
JUST	JUST-ADM	49	14	63	26	4	30	46	7	53
	TOTAL	49	14	63	26	4	30	46	7	53
LAB	LAB	.	.	.	.	20	20	.	.	.
	TOTAL	.	.	.	.	20	20	.	.	.
NCC	NCC	10	.	10	10	.	10	10	.	10
	TOTAL	10	.	10	10	.	10	10	.	10
NMUS	NMUS	.	7355	7355	.	7777	7777	.	8240	8240
	TOTAL	.	7355	7355	.	7777	7777	.	8240	8240
NRC	NRC-SIR	1067	38	1105	1626	54	1680	728	18	746
	TOTAL	1067	38	1105	1626	54	1680	728	18	746
PW	PW-PTS	.	.	.	.	.	.	.	60	60
	TOTAL	.	.	.	.	.	.	.	60	60
RIE	RIE	.	8387	8387	.	10347	10347	.	4764	4764
	TOTAL	.	8387	8387	.	10347	10347	.	4764	4764
SECS	SECS-CIT	.	14	14	.	.	.	.	.	.
	TOTAL	.	14	14	.	.	.	.	.	.

(CONTINUED)

TABLE 10

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: PROV. MUN. GOVERNMENT

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
SGEN	SGEN-ADM	920	10	930	1500	150	1650	1500	100	1600
	TOTAL	920	10	930	1500	150	1650	1500	100	1600
TPT	TPT-ADM	95	.	95	50	.	50	50	.	50
	TOTAL	95	.	95	50	.	50	50	.	50
TOTAL	TOTAL	4597	37383	41980	8530	39357	47887	9034	23366	32400

TABLE 11

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: FOREIGN PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
AGR	AGR-CGC	.	4	4	.	4	4	.	4	4
	AGR-DEV	656	.	656	698	.	698	841	.	841
	AGR-FOR	140	.	140	244	.	244	244	.	244
	TOTAL	796	4	800	942	4	946	1085	4	1089
AECB	AECB	370	5	375	446	5	451	469	7	476
	TOTAL	370	5	375	446	5	451	469	7	476
AECL	AECL	427	.	427	412	.	412	434	.	434
	TOTAL	427	.	427	412	.	412	434	.	434
CEIC	CEIC	.	15	15	.	46	46	.	48	48
	TOTAL	.	15	15	.	46	46	.	48	48
CMHC	CMHC	.	250	250	.	200	200	.	150	150
	TOTAL	.	250	250	.	200	200	.	150	150
CIDA	CIDA	14554	.	14554	13654	.	13654	14140	.	14140
	TOTAL	14554	.	14554	13654	.	13654	14140	.	14140
CTC	CTC	27	.	27	27	.	27	27	.	27
	TOTAL	27	.	27	27	.	27	27	.	27
COMM	COMM-COMM	14883	.	14883	14720	.	14720	19000	.	19000
	TOTAL	14883	.	14883	14720	.	14720	19000	.	19000
CCA	CCA-ADM	2	.	2	2	.	2	3	.	3
	TOTAL	2	.	2	2	.	2	3	.	3
EMR	EMR-MES	2376	327	2703	4748	275	5023	13489	320	13809
	EMR-ENER	86	.	86	300	.	300	300	.	300
	TOTAL	2462	327	2789	5048	275	5323	13789	320	14109
ENV	ENV-AES	114	656	770	100	702	802	100	798	898
	ENV-ECS	12	63	75	22	39	61	21	38	59
	ENV-EPS	207	.	207	18	.	18	10	.	10
	TOTAL	333	719	1052	140	741	881	131	836	967
EA	EA-CIA	.	482	482	.	974	974	.	804	804
	TOTAL	.	482	482	.	974	974	.	804	804
F&O	F&O-FM	32	190	222	32	190	222	32	170	202
	TOTAL	32	190	222	32	190	222	32	170	202
H&W	NHW-HP	857	44	901	105	50	155	100	50	150
	NHW-HSS	333	1	334	310	1	311	330	1	331
	NHW-SS	.	125	125	.	225	225	.	250	250
	TOTAL	1190	170	1350	415	276	691	430	301	731
IDRC	IDRC	37334	3321	40655	40860	5198	46058	48140	4579	52719
	TOTAL	37334	3321	40655	40860	5198	46058	48140	4579	52719
IJC	IJC	.	47	47	.	60	60	.	70	70

(CONTINUED)

TABLE 11

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: FOREIGN PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
IJC	TOTAL	.	47	47	.	60	60	.	70	70
JUST	JUST-ADM	18	1	19	10	6	16	18	6	24
	TOTAL	18	1	19	10	6	16	18	6	24
LAB	LAB	3	-	3	.	.	.	.	-	-
	TOTAL	3	-	3	.	.	.	.	-	-
MRC	MRC	4428	33	4461	5218	35	5253	3484	33	3517
	TOTAL	4428	33	4461	5218	35	5253	3484	33	3517
NDEF	NDEF-SER	3929	-	3929	5331	-	5331	5235	-	5235
	TOTAL	3929	-	3929	5331	-	5331	5235	-	5235
NFB	NFB	21	-	21	.	.	.	.	-	-
	TOTAL	21	-	21	.	.	.	.	-	-
NLIB	NLIB	.	28	28	.	37	37	.	42	42
	TOTAL	.	28	28	.	37	37	.	42	42
NRC	NRC-SIR	8802	-	8802	12195	.	12195	12734	-	12734
	TOTAL	8802	-	8802	12195	.	12195	12734	-	12734
NSERC	NSERC	2281	2992	5273	2492	3332	5824	3024	3616	6640
	TOTAL	2281	2992	5273	2492	3332	5824	3024	3616	6640
PW	PW-PTS	9	103	112	9	179	188	.	40	40
	TOTAL	9	103	112	9	179	188	.	40	40
RIE	RIE	.	109	109	.	200	200	.	235	235
	TOTAL	.	109	109	.	200	200	.	235	235
SC	SC	27	-	27	26	.	26	27	-	27
	TOTAL	27	-	27	26	.	26	27	-	27
ST	ST	2047	382	2429	1895	.	1895	2124	.	2124
	TOTAL	2047	382	2429	1895	.	1895	2124	.	2124
SECS	SECS-CIT	.	28	28	-	.	.	.	-	-
	TOTAL	.	28	28	-	.	.	.	-	-
SSHRC	SSHRC	.	3651	3651	.	3673	3673	.	3875	3875
	TOTAL	.	3651	3651	.	3673	3673	.	3875	3875
SGEN	SGEN-ADM	.	10	10	.	50	50	.	50	50
	TOTAL	.	10	10	.	50	50	.	50	50
STCAN	STCAN	.	94	94	.	99	99	.	94	94
	TOTAL	.	94	94	.	99	99	.	94	94
TPT	TPT-ADM	78	4	82	306	15	321	115	60	175
	TPT-AIR	.	-	-	30	.	30	200	.	200
	TPT-MAR	193	.	193	.	.	.	.	.	.
	TOTAL	271	4	275	336	15	351	315	60	375
TOTAL	TOTAL	94246	12965	107211	104210	15595	119805	124641	15340	139981

TABLE 12

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: OTHER PERFORMERS

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	1116	681	1797	1521	117	1638	1045	120	1165
	AGR-FOR	532	498	1030	290	671	961	.	861	861
	TOTAL	1648	1179	2827	1811	788	2599	1045	981	2026
AECB	AECB	.	44	44	.	47	47	.	40	40
	TOTAL	.	44	44	.	47	47	.	40	40
AECL	AECL	215	.	215	.	.	.	.	.	.
	TOTAL	215	.	215	.	.	.	.	.	.
CEIC	CEIC	.	65	65	.	91	91	.	95	95
	TOTAL	.	65	65	.	91	91	.	95	95
CMHC	CMHC	258	1135	1393	821	696	1517	725	630	1355
	TOTAL	258	1135	1393	821	696	1517	725	630	1355
CRTC	CRTC	69	22	91	66	30	96	70	30	100
	TOTAL	69	22	91	66	30	96	70	30	100
CTC	CTC	58	.	58	59	.	59	59	.	59
	TOTAL	58	.	58	59	.	59	59	.	59
COMM	COMM-COMM	1500	.	1500	.	.	.	.	.	.
	TOTAL	1500	.	1500	.	.	.	.	.	.
ECC	ECC	250	.	250	260	.	260	257	.	257
	TOTAL	250	.	250	260	.	260	257	.	257
E&I	E&I-ADM	.	137	137	10	162	172	10	170	180
	TOTAL	.	137	137	10	162	172	10	170	180
EMR	EMR-MES	3061	35	3096	3406	55	3461	4042	45	4087
	EMR-ENER	1946	198	2144	3553	.	3553	2932	.	2932
	TOTAL	5007	233	5240	6959	55	7014	6974	45	7019
ENV	ENV-ADM	.	25	25	.	.	.	.	20	20
	ENV-AES	191	1587	1778	200	1921	2121	246	2066	2312
	ENV-ECS	628	344	972	355	734	1089	347	716	1063
	ENV-EPS	566	50	616	394	47	441	340	45	385
	ENV-PC	481	335	816	516	355	871	550	375	825
	TOTAL	1866	2341	4207	1465	3057	4522	1483	3222	4705
F&O	F&O-FM	692	347	1039	722	343	1065	717	339	1055
	TOTAL	692	347	1039	722	343	1065	717	339	1055
H&W	NHW-HP	70	538	608	70	556	625	73	57	130
	NHW-HSS	8	41	49	10	45	55	11	50	61
	NHW-SS	.	137	137	45	78	123	20	80	100
	TOTAL	78	716	794	125	679	804	104	187	291
INA	IAND-IIA	114	48	162	12	.	12	.	.	.
	IAND-NA	70	.	70	243	2452	2695	360	2113	2476

(CONTINUED)

TABLE 12

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: OTHER PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
INA	TOTAL	184	48	232	255	2452	2707	360	2113	2473
IDRC	IDRC	391	186	577	525	175	700	603	200	803
	TOTAL	391	186	577	525	175	700	603	200	803
IJC	IJC	.	23	23	.	40	40	.	50	50
	TOTAL	.	23	23	.	40	40	.	50	50
JUST	JUST-ADM	379	1072	1451	577	1326	1903	402	1884	2286
	TOTAL	379	1072	1451	577	1326	1903	402	1884	2286
LAB	LAB	33	.	33	62	.	62	62	.	62
	TOTAL	33	.	33	62	.	62	62	.	62
LRC	LRC	1558	.	1558	1652	.	1652	1652	.	1652
	TOTAL	1558	.	1558	1652	.	1652	1652	.	1652
LFB	LFB	20	.	20	20	.	20	20	.	20
	TOTAL	20	.	20	20	.	20	20	.	20
MRC	MRC	.	243	249	.	732	732	.	429	429
	TOTAL	.	243	249	.	732	732	.	429	429
NCC	NCC	20	16	36	.	19	19	.	17	17
	TOTAL	20	16	36	.	19	19	.	17	17
NDEF	NDEF-SER	777	.	777	311	.	311	287	.	287
	TOTAL	777	.	777	311	.	311	287	.	287
NFB	NFB	5	.	5	.	.	.	.	.	.
	TOTAL	5	.	5	.	.	.	.	.	.
NMUS	NMUS	377	1466	1843	398	1565	1963	422	1548	2070
	TOTAL	377	1466	1843	398	1565	1963	422	1548	2070
NRC	NRC-SIR	5539	72	5611	12411	102	12513	8109	35	8144
	TOTAL	5539	72	5611	12411	102	12513	8109	35	8144
PA	PA	.	529	529	.	.	.	.	.	.
	TOTAL	.	529	529	.	.	.	.	.	.
PW	PW-PTS	100	177	277	.	47	47	.	232	232
	TOTAL	100	177	277	.	47	47	.	232	232
RCMP	RCMP	.	7	7	.	8	8	.	8	8
	TOTAL	.	7	7	.	8	8	.	8	8
SC	SC	331	.	331	341	.	341	355	.	355
	TOTAL	331	.	331	341	.	341	355	.	355
ST	ST	.	1	1	.	.	.	.	.	.
	TOTAL	.	1	1	.	.	.	.	.	.
SECS	SECS-AOM	1	47	48	.	73	73	27	170	197
	SECS-CIT	394	.	394	1723	.	1723	1689	.	1689
	SECS-ES	1200	50	1250	1200	.	1200	250	.	250

(CONTINUED)

TABLE 12

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: OTHER PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
(\$,000)		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
SECS	TOTAL	1595	97	1692	2933	73	3006	1966	170	2136
SGEN	SGEN-ADM	80	450	530	450	400	850	450	400	850
	TOTAL	80	450	530	450	400	850	450	400	850
SS	SS-SUPP	146	48	194	-	130	130	-	60	60
	TOTAL	146	48	194	-	130	130	-	60	60
TPT	TPT-ADM	31	-	31	104	60	164	50	60	110
	TOTAL	31	-	31	104	60	164	50	60	110
TOTAL	TOTAL	23207	10860	33867	32337	13077	45414	26182	13045	39227

TABLE 13

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY PERFORMER

SCIENCE TYPE: TOTAL
AND ACTIVITY: R&D

	YEAR					
	1983-84		1984-85		1985-86	
	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
	\$	%	\$	%	\$	%
PERFORMER:						
INTRAMURAL	1147374	53	1378486	53	1397184	53
CANADIAN INDUSTRY	379825	18	544102	21	578800	22
CANADIAN UNIVERSITY	453542	21	504855	19	456039	17
CANADIAN N P INST	42171	2	38394	1	34553	1
PROV. MUN. GOVERNMENT	4597	0	8530	0	9034	0
FOREIGN PERFORMERS	94246	4	104210	4	124641	5
OTHER PERFORMERS	23207	1	32337	1	26182	1
TOTAL	2144962	100	2610914	100	2626433	100

TABLE 14

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: R&D

DEPARTMENT:	PROGRAM:	YEAR										
		1983-84			1984-85			1985-86			PERFORMER:	
		PERFORMER:		PERFORMER:		PERFORMER:						
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL		
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)		
AGR	AGR-CGC	2129	.	2129	2394	.	2394	3600	.	3600		
	AGR-DEV	191075	21842	212917	230340	16521	246861	258993	11987	270980		
	AGR-FOR	42859	16876	59735	47093	13104	60197	43048	14561	57609		
	AGR-RI	6390	.	6390	6917	.	6917	7839	.	7839		
	TOTAL	242453	38718	281171	286744	29625	316369	313480	26548	340028		
AECB	AECB	615	1376	1991	723	2655	3378	776	2948	3724		
	TOTAL	615	1376	1991	723	2655	3378	776	2948	3724		
AECL	AECL	113074	7601	120675	120185	7661	127846	125410	7541	132951		
	TOTAL	113074	7601	120675	120185	7661	127846	125410	7541	132951		
CC	COC	110	10	120	110	4	114	116	5	121		
	TOTAL	110	10	120	110	4	114	116	5	121		
CMHC	CMHC	4349	2037	6386	5190	5683	10873	5545	5058	10603		
	TOTAL	4349	2037	6386	5190	5683	10873	5545	5058	10603		
CDC	CDC	248	1544	1792	305	1903	2208	.	.	.		
	TOTAL	248	1544	1792	305	1903	2208	.	.	.		
CIDA	CIDA	546	14954	15500	631	14104	14735	620	14640	15260		
	TOTAL	546	14954	15500	631	14104	14735	620	14640	15260		
CRTC	CRTC	431	145	576	598	141	739	738	145	883		
	TOTAL	431	145	576	598	141	739	738	145	883		
CTC	CTC	1558	270	1828	1517	274	1791	1517	274	1791		
	TOTAL	1558	270	1828	1517	274	1791	1517	274	1791		
COMM	COMM-COMM	50950	29630	80580	70238	35028	105266	49214	34195	83409		
	TOTAL	50950	29630	80580	70238	35028	105266	49214	34195	83409		
CCA	CCA-ADM	1245	1035	2280	1306	1069	2375	1240	476	1716		
	TOTAL	1245	1035	2280	1306	1069	2375	1240	476	1716		
ECC	ECC	6278	518	6796	6555	425	6980	6866	457	7323		
	TOTAL	6278	518	6796	6555	425	6980	6866	457	7323		
E&I	E&I-ADM	1224	23	1247	1297	59	1356	1359	61	1420		
	TOTAL	1224	23	1247	1297	59	1356	1359	61	1420		
EMR	EMR-MES	127746	25455	153201	160734	31500	192234	177479	42313	219792		
	EMR-ENER	2028	26977	29005	2285	43000	45285	2652	49571	52223		
	TOTAL	129774	52432	182205	163019	74500	237519	180131	91884	272015		
ENV	ENV-ADM	343	.	343	501	40	541	511	480	991		
	ENV-AES	25299	1108	26407	32516	1257	33773	37144	1392	38536		
	ENV-ECS	21439	1977	23416	24173	1913	26086	23597	1872	25469		
	ENV-EPS	3976	6431	10407	4803	5375	10178	3925	4150	8075		
	ENV-PC	.	273	873	.	932	932	.	386	986		
	TOTAL	51057	10389	51446	61993	9517	71510	65177	9880	74057		

(CONTINUED)

TABLE 14

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: R&D

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PERFORMER:		PERFORMER:		PERFORMER:		PERFORMER:		
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
EA	EA-GO	60	1200	1260	60	2400	2460	60	2400	2460
	TOTAL	60	1200	1260	60	2400	2460	60	2400	2460
F&O	F&O-FM	117027	10581	127608	144273	11512	155785	148725	11214	159939
	TOTAL	117027	10581	127608	144273	11512	155785	148725	11214	159939
H&W	NHW-ADM	1065	.	1065	1048	.	1046	1133	.	1133
	NHW-HP	12445	1612	14057	13123	860	13983	13286	835	14121
	NHW-HSS	1100	11759	12859	1258	12805	14063	1311	13591	14902
	NHW-MS	2473	.	2473	3155	.	3155	3016	.	3016
	NHW-SS	335	2347	2682	439	2329	2768	464	1782	2246
	TOTAL	17418	15718	33136	19021	15994	35015	19210	16208	35418
INA	IAND-IIA	10	114	124	5	12	17	.	.	.
	IAND-NA	1475	1522	2997	2263	2737	5000	2227	2938	5165
	TOTAL	1485	1636	3121	2268	2749	5017	2227	2938	5165
IDRC	IDRC	12544	39956	52500	14243	44274	58517	17372	52946	70318
	TOTAL	12544	39956	52500	14243	44274	58517	17372	52946	70318
JUST	JUST-ADM	956	1149	2105	1139	1430	2569	1022	829	1851
	TOTAL	956	1149	2105	1139	1430	2569	1022	829	1851
LAB	LAB	113	248	361	113	139	252	109	102	211
	TOTAL	113	248	361	113	139	252	109	102	211
LRC	LRC	573	1564	2137	625	1663	2288	641	1663	2304
	TOTAL	573	1564	2137	625	1663	2288	641	1663	2304
LFB	LFB	92	30	122	96	45	141	99	45	144
	TOTAL	92	30	122	96	45	141	99	45	144
MRC	MRC	3024	132722	135746	3628	147497	151125	3358	122552	125910
	TOTAL	3024	132722	135746	3628	147497	151125	3358	122552	125910
NCC	NCC	.	30	30	.	40	40	.	10	10
	TOTAL	.	30	30	.	40	40	.	10	10
NDEF	NDEF-SER	108677	48387	157064	120516	82913	203429	127626	100760	228386
	TOTAL	108677	48387	157064	120516	82913	203429	127626	100760	228386
NFB	NFB	479	72	551	323	60	383	701	300	1001
	TOTAL	479	72	551	323	60	383	701	300	1001
NMUS	NMUS	6205	377	6582	6301	398	6699	7104	422	7526
	TOTAL	6205	377	6582	6301	398	6699	7104	422	7526
NRC	NRC-SIR	232236	123481	355717	294149	172469	466619	260280	140890	401170
	TOTAL	232236	123481	355717	294149	172469	466618	260280	140890	401170
NSERC	NSERC	5786	242411	248197	7958	262348	270306	9344	245823	255167
	TOTAL	5786	242411	248197	7958	262348	270306	9344	245823	255167
PC	PC	.	129	129	.	90	90	.	90	90

(CONTINUED)

TABLE 14

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: R&D

		YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
DEPARTMENT:	PROGRAM:										
PC	TOTAL	.	129	129	.	90	90	.	90	90	
PW	PW-PTS	1511	1900	3411	1637	2172	3809	1329	2628	3957	
	TOTAL	1511	1900	3411	1637	2172	3809	1329	2628	3957	
RIE	RIE	8744	136444	145188	12975	203120	216095	15624	244594	260218	
	TOTAL	8744	136444	145188	12975	203120	216095	15624	244594	260218	
REV	REV-TAX	90	.	90	134	.	134	137	.	137	
	TOTAL	90	.	90	134	.	134	137	.	137	
RCMP	RCMP	40	309	349	45	374	419	60	532	592	
	TOTAL	40	309	349	45	374	419	60	532	592	
SC	SC	1568	796	2364	1740	836	2576	1803	870	2673	
	TOTAL	1568	796	2364	1740	836	2576	1803	870	2673	
ST	ST	.	2047	2047	.	1895	1895	.	2124	2124	
	TOTAL	.	2047	2047	.	1895	1895	.	2124	2124	
SECS	SECS-ADM	.	1	1	.	.	.	.	27	27	
	SECS-CIT	410	1036	1446	503	4750	5253	468	5598	6066	
	SECS-ES	250	1200	1450	455	8716	9171	250	250	500	
	SECS-OL	1416	34	1450	1474	.	1474	1548	.	1548	
	TOTAL	2076	2271	4347	2432	13466	15898	2266	5875	8141	
SSHRC	SSHRC	3486	35915	39401	3826	37879	41705	3845	35310	39155	
	TOTAL	3486	35915	39401	3826	37879	41705	3845	35310	39155	
SGEN	SGEN-ADM	2320	4097	6417	2800	8296	11096	2800	8296	11096	
	TOTAL	2320	4097	6417	2800	8296	11096	2800	8296	11096	
STCAN	STCAN	8022	.	8022	9096	.	9096	9434	.	9434	
	TOTAL	8022	.	8022	9096	.	9096	9434	.	9434	
SS	SS-SUPP	115	1156	11271	121	11165	11286	127	11195	11323	
	TOTAL	115	1156	11271	121	11165	11286	127	11195	11323	
TPT	TPT-ADM	3736	17605	21341	3164	17973	21137	3433	18456	21889	
	TPT-AIR	752	119	871	445	449	894	718	1200	1918	
	TPT-MAR	4157	3813	7970	4807	5530	10337	5401	5312	10713	
	TPT-SUR	170	602	772	140	455	596	140	398	539	
	TOTAL	8815	22139	30954	8556	24408	32964	9692	25367	35059	
TB	TB-ADM	.	141	141	.	148	148	.	153	153	
	TOTAL	.	141	141	.	148	148	.	153	153	
TOTAL	TOTAL	1147374	997588	2144962	1378486	1232428	2610914	1397184	1229249	2625433	

TABLE 15

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: INTRAMURAL

	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
AGR	AGR-CGC			2129			2394			3600
	AGR-DEV			191075			230340			258993
	AGR-FOR		495	42364		544	45549		511	42537
	AGR-RI			6390			6917			7839
	TOTAL		495	241958		544	286200		511	312969
AECB	AECB			615			723			776
	TOTAL			615			723			776
AECL	AECL		4714	108360		5368	114817		5766	119644
	TOTAL		4714	108360		5368	114817		5766	119644
CC	CDC			109		1	109		2	114
	TOTAL			109		1	109		2	114
CMHC	CMHC			4349			5190			5545
	TOTAL			4349			5190			5545
CDC	CDC			248			305			
	TOTAL			248			305			
CIDA	CIDA			5451			631			620
	TOTAL			5451			631			620
CRTC	CRTC			431			598			739
	TOTAL			431			598			739
CTC	CTC			1558			1517			1517
	TOTAL			1558			1517			1517
COMM	COMM-COMM		4030	46920		4030	66008		4440	41774
	TOTAL		4030	46920		4030	66008		4440	41774
CCA	CCA-ADM			1245			1306			1240
	TOTAL			1245			1306			1240
ECC	ECC		539	5739		633	6922		437	6429
	TOTAL		539	5739		633	6922		437	6429
E&I	E&I-ADM		125	1099		175	1122		183	1175
	TOTAL		125	1099		175	1122		183	1175
EMR	EMR-MES		12903	114843		17971	142763		42378	135101
	EMR-ENER		233	1785		700	1585		700	1952
	TOTAL		13136	116638		18671	144348		43078	137093
ENV	ENV-ADM		61	281		64	437		67	444
	ENV-AES		1836	23461		3022	30464		2024	34820
	ENV-ECS		480	20853		480	23693		480	23117
	ENV-BPS			3976			4903			3929
	TOTAL			3373		2858	26427		2771	32408
E4	E4-GO			60			60			60

CONTINUED

TABLE 15

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: INTRAMURAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
EA	TOTAL	.	.	60	.	.	60	.	.	60
F&C	F&O-FM	.	8219	108808	.	9391	134892	.	9263	139462
	TOTAL	.	8219	108808	.	9381	134892	.	9263	139462
H&W	NHW-ADM	.	424	641	.	434	612	.	436	697
	NHW-HP	.	200	12245	.	200	12923	.	200	13086
	NHW-HSS	.	100	1000	.	105	1153	.	110	1201
	NHW-MS	.	.	2473	.	.	3155	.	.	3015
	NHW-SS	.	.	335	.	.	439	.	.	464
	TOTAL	.	724	16694	.	739	18282	.	746	18454
INA	IAND-IIA	.	.	10	.	.	5	.	.	.
	IAND-NA	.	17	1458	.	.	2263	.	.	2227
	TOTAL	.	17	1458	.	.	2268	.	.	2227
IDRC	IDRC	.	.	12544	.	.	14243	.	.	17372
	TOTAL	.	.	12544	.	.	14243	.	.	17372
JUST	JUST-ADM	.	32	324	.	37	1102	.	35	387
	TOTAL	.	32	324	.	37	1102	.	35	387
LAB	LAB	.	.	113	.	.	113	.	.	109
	TOTAL	.	.	113	.	.	113	.	.	109
LRC	LRC	.	149	424	.	184	441	.	183	458
	TOTAL	.	149	424	.	184	441	.	183	458
LFB	LFB	.	.	92	.	.	96	.	.	99
	TOTAL	.	.	92	.	.	96	.	.	99
MRC	MRC	.	.	3024	.	.	3628	.	.	3368
	TOTAL	.	.	3024	.	.	3628	.	.	3369
NOEFS	NOEFS-ER	.	.	108577	.	.	120516	.	.	127628
	TOTAL	.	.	108577	.	.	120516	.	.	127628
NFB	NFB	.	5	473	.	.	323	.	.	701
	TOTAL	.	5	473	.	.	323	.	.	701
NMUS	NMUS	.	351	5854	.	357	5944	.	402	5702
	TOTAL	.	351	5854	.	357	5944	.	402	5702
NRC	NRC-SIR	.	13430	218808	.	13957	280182	.	12709	247571
	TOTAL	.	13430	218808	.	13957	280182	.	12709	247571
NSERC	NSERC	.	.	5786	.	.	7959	.	.	9344
	TOTAL	.	.	5786	.	.	7959	.	.	9344
PW	Pw-PTS	.	439	1072	.	360	1077	.	310	1119
	TOTAL	.	439	1072	.	360	1077	.	310	1119
RIE	RIE	.	28	8715	.	.	12875	.	.	15324
	TOTAL	.	28	8715	.	.	12875	.	.	15324

CONTINUED

TABLE 15

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: INTRAMURAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
REV	REV-TAX	.	.	90	.	.	134	.	.	137
	TOTAL	.	.	90	.	.	134	.	.	137
RCMP	RCMP	.	40	.	.	20	25	.	60	.
	TOTAL	.	40	.	.	20	25	.	60	.
SC	SC	.	.	1568	.	.	1740	.	.	1803
	TOTAL	.	.	1568	.	.	1740	.	.	1803
SEDS	SECS-CIT	.	.	410	.	.	603	.	.	463
	SECS-ES	.	.	253	.	.	455	.	.	260
	SECS-OL	.	.	1416	.	.	1474	.	.	1548
	TOTAL	.	.	2076	.	.	2432	.	.	2288
SSHRC	SSHRC	.	.	3486	.	.	3826	.	.	3845
	TOTAL	.	.	3486	.	.	3826	.	.	3845
SGEN	SGEN-ADM	.	50	2270	.	50	2750	.	50	2750
	TOTAL	.	50	2270	.	50	2750	.	50	2750
STCAN	STCAN	.	394	7628	.	493	8603	.	493	8841
	TOTAL	.	394	7628	.	493	8603	.	493	8841
SS	SS-SURF	.	.	115	.	.	121	.	.	127
	TOTAL	.	.	115	.	.	121	.	.	127
TPT	TPT-ADM	.	444	3292	.	170	2994	.	210	3223
	TPT-AIR	.	.	752	.	.	445	.	.	718
	TPT-MAR	.	129	4028	.	.	4807	.	.	5401
	TPT-SUR	.	.	128	.	.	140	.	.	140
	TOTAL	.	573	8242	.	170	8386	.	210	9482
TOTAL	TOTAL	.	49871	1097503	.	57946	1320540	.	81849	1315635

TABLE 16

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN INDUSTRY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-DEV	606	4310	.	636	5907	.	636	4004	.
	AGR-FOR	5025	7914	.	5600	3279	.	5800	4336	.
	TOTAL	5631	12224	.	6235	9186	.	6436	8340	.
AECB	AECB	.	774	.	.	1811	.	.	2007	.
	TOTAL	.	774	.	.	1811	.	.	2007	.
AECL	AECL	.	4666	.	.	4999	.	.	4726	.
	TOTAL	.	4666	.	.	4999	.	.	4726	.
CC	CDC	.	10	.	.	4	.	.	5	.
	TOTAL	.	10	.	.	4	.	.	5	.
CMHC	CMHC	56	326	.	1248	2537	.	1110	2252	.
	TOTAL	56	326	.	1248	2537	.	1110	2252	.
CDC	CDC	.	509	.	.	626	.	.	.	.
	TOTAL	.	509	.	.	626	.	.	.	.
CRTC	CRTC	.	10	.	.	.	.	.	.	.
	TOTAL	.	10	.	.	.	.	.	.	.
CTC	CTC	.	127	.	.	129	.	.	129	.
	TOTAL	.	127	.	.	129	.	.	129	.
COMM	COMM-COMM	.	13120	.	.	19158	.	.	14045	.
	TOTAL	.	13120	.	.	19158	.	.	14045	.
CCA	CCA-ADM	.	700	.	.	724	.	.	312	.
	TOTAL	.	700	.	.	724	.	.	312	.
ECC	ECC	.	215	.	.	115	.	.	150	.
	TOTAL	.	215	.	.	115	.	.	150	.
E&I	E&I-ADM	.	7	.	.	.	.	.	.	.
	TOTAL	.	7	.	.	.	.	.	.	.
EMR	EMR-MES	.	14251	.	.	15000	.	.	16000	.
	EMR-ENER	16050	5200	.	32021	2172	.	38155	2543	.
	TOTAL	16050	19511	.	32021	17174	.	38155	16713	.
ENV	ENV-ADM	.	.	.	.	40	.	.	125	.
	ENV-ECS	.	633	.	.	294	.	.	286	.
	ENV-EPS	.	4771	.	.	4419	.	.	3260	.
	ENV-PC	.	329	.	.	351	.	.	371	.
	TOTAL	.	5733	.	.	5104	.	.	4042	.
EA	EA-GD	800	.	.	2000	.	.	2000	.	.
	TOTAL	800	.	.	2000	.	.	2000	.	.
F&G	F&G-FM	400	5756	.	420	6608	.	420	6396	.
	TOTAL	400	5756	.	420	6608	.	420	6396	.
H&W	H&W-PD	.	500	.	.	500	.	.	480	.

CONTINUED

TABLE 16

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN INDUSTRY

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
(\$,000)		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
H&W	NHW-HSS	14	440		58	403		60	450	
	NHW-SS		18			5			20	
	TOTAL	14	958		58	908		60	950	
INA	IAND-NA		387			1237			1173	
	TOTAL		387			1237			1173	
JUST	JUST-ADM	20	108			107			78	
	TOTAL	20	108			107			78	
LFB	LFB		10			25			25	
	TOTAL		10			25			25	
NCC	NCC					30				
	TOTAL					30				
NDEF	NDEF-SER		37933			71980			89541	
	TOTAL		37933			71980			89541	
NFB	NFB		46			60			300	
	TOTAL		46			60			300	
NRC	NRC-SIR	59179	21816		76821	38627		76220	13903	
	TOTAL	59179	21816		76821	38627		76220	13903	
NSERC	NSERC			2346			8236			3614
	TOTAL			2346			8236			3614
PW	PW-PTS		1614			2091			2278	
	TOTAL		1614			2091			2278	
RIE	RIE	136444			203120			244594		
	TOTAL	136444			203120			244594		
RCMP	RCMP		309			374			532	
	TOTAL		309			374			532	
SC	SC		373			392			408	
	TOTAL		373			392			408	
SECS	SECS-CIT		74		300	216		300	257	
	SECS-ES					329				
	SECS-OL		34							
	TOTAL		108		300	544		300	257	
SGEN	SGEN-ADM		1099			1399			1398	
	TOTAL		1099			1399			1398	
SS	SS-SUPP		10159			10345			10266	
	TOTAL		10159			10345			10266	
TPT	TPT-ADM		16185			16116			16553	
	TPT-AIR		119			419			1000	
	TPT-MAR		3870			5480			5381	

(CONTINUED)

TABLE 16

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN INDUSTRY

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
(\$,000)		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
TPT	TPT-SUR		423			325				260
	TOTAL		20277			22339				23476
TOTAL	TOTAL	218594	158885	2346	322224	218642	3236	369285	205891	3614

TABLE 17

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN UNIVERSITY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-DEV	1426	4299	.	1430	5658	.	1103	4013	.
	AGR-FDR	1289	1501	.	1789	1649	.	2289	1822	.
	TOTAL	2715	5800	.	3219	7507	.	3392	5535	.
AECB	AECB	.	210	.	.	266	.	.	307	.
	TOTAL	.	210	.	.	266	.	.	307	.
AECL	AECL	.	2276	.	.	2014	.	.	2128	.
	TOTAL	.	2276	.	.	2014	.	.	2128	.
CMHC	CMHC	44	.	.	65	256	.	60	230	.
	TOTAL	44	.	.	65	256	.	60	230	.
CDC	CDC	.	448	.	.	552	.	.	.	.
	TOTAL	.	448	.	.	552	.	.	.	.
CIDA	CIDA	.	.	400	.	.	450	.	.	500
	TOTAL	.	.	400	.	.	450	.	.	500
CRTC	CRTC	.	.	.	40	.	.	40	.	.
	TOTAL	.	.	.	40	.	.	40	.	.
CTC	CTC	.	58	.	.	59	.	.	59	.
	TOTAL	.	58	.	.	59	.	.	59	.
COMM	COMM-COMM	.	127	.	.	1150	.	.	1150	.
	TOTAL	.	127	.	.	1150	.	.	1150	.
CCA	CCA-ADM	.	333	.	.	343	.	.	181	.
	TOTAL	.	333	.	.	343	.	.	181	.
EBC	EBC	.	59	.	.	50	.	.	50	.
	TOTAL	.	59	.	.	50	.	.	50	.
EBSI	EBSI-ADM	.	.	.	.	25	.	.	25	.
	TOTAL	.	.	.	.	25	.	.	25	.
EMR	EMR-MES	2195	3225	.	1664	3530	.	1979	3486	.
	EMR-ENER	596	1253	.	426	1513	.	314	1327	.
	TOTAL	2791	4478	.	2090	5148	.	1897	4823	.
ENV	ENV-ADM	.	.	.	.	.	.	100	150	80
	ENV-AES	347	420	.	455	462	.	502	506	.
	ENV-ECS	238	309	.	241	311	.	241	251	.
	ENV-EPS	.	578	.	.	371	.	.	380	.
	ENV-PC	.	63	.	.	85	.	.	85	.
	TOTAL	585	1270	.	898	1708	.	841	1662	80
FBC	FBC-FM	810	3049	.	810	3087	.	810	3008	.
	TOTAL	810	3049	.	810	3087	.	810	3008	.
HGX	HGX-HP	.	100	.	.	150	.	.	50	.
	HGX-HSS	7176	133	717	7726	140	950	8500	160	1000

CONTINUED

TABLE 17

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN UNIVERSITY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
H&W	NHW-SS	828	17	8	935	.	9	506	20	.
	TOTAL	8005	250	725	8651	240	959	8709	269	1000
INA	IAND-NA	738	295	.	803	372	.	900	83	.
	TOTAL	738	295	.	803	372	.	900	83	.
IDRC	IDRC	1411	.	.	1939	.	.	3015	.	.
	TOTAL	1411	.	.	1939	.	.	3015	.	.
JUST	JUST-ADM	.	71	84	.	100	95	.	79	95
	TOTAL	.	71	84	.	100	95	.	79	95
LAB	LAB	32	147	.	40	37	.	40	.	.
	TOTAL	32	147	.	40	37	.	40	.	.
MRC	MRC	104598	.	4913	115587	.	6089	97674	.	4082
	TOTAL	104598	.	4913	115587	.	6089	97674	.	4082
NDEF	NDEF-SER	.	5748	.	.	5281	.	.	5597	.
	TOTAL	.	5748	.	.	5281	.	.	5597	.
NRC	NRC-SIR	23210	3283	.	25522	5004	.	26715	2241	.
	TOTAL	23210	3283	.	25522	5004	.	26715	2241	.
NSERC	NSERC	225975	.	8116	245653	.	9234	226242	.	11141
	TOTAL	225975	.	8116	245653	.	9234	226242	.	11141
PC	PC	65	.	.	65	.	.	65	.	.
	TOTAL	65	.	.	65	.	.	65	.	.
PW	PW-PTS	.	177	.	.	72	.	.	310	.
	TOTAL	.	177	.	.	72	.	.	310	.
SC	SC	.	24	.	.	22	.	.	23	.
	TOTAL	.	24	.	.	22	.	.	23	.
SECS	SECS-CIT	119	29	.	1305	230	.	2000	324	.
	SECS-ES	.	.	.	7187	.	.	.	.	.
	TOTAL	119	29	.	8492	230	.	2000	324	.
SSHRC	SSHRC	30371	.	5544	31624	.	6255	28890	.	6420
	TOTAL	30371	.	5544	31624	.	6255	28890	.	6420
SGEN	SGEN-ADM	600	700	.	700	1000	.	700	1000	.
	TOTAL	600	700	.	700	1000	.	700	1000	.
SS	SS-SUPP	.	783	.	.	490	.	.	500	.
	TOTAL	.	783	.	.	490	.	.	500	.
TPT	TPT-ADM	.	1161	.	.	989	.	.	973	.
	TPT-MDP	50	.	.	50	.	.	50	.	.
	TPT-SUR	38	32	.	38	77	.	25	86	.
	TOTAL	88	1193	.	88	966	.	86	1059	.
TOTAL	TOTAL	402858	309021	19782	445794	33979	23082	401769	30369	29312

TABLE 18

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN N P INST

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-DEV	9131	277	.	67	375	.	69	256	.
	AGR-FOR	138	90	.	150	.	.	152	.	.
	TOTAL	9269	367	.	217	375	.	231	256	.
AECL	AECL	.	17	.	.	236	.	.	253	.
	TOTAL	.	17	.	.	236	.	.	253	.
CMHC	CMHC	1037	238	.	409	221	.	370	200	.
	TOTAL	1037	238	.	409	221	.	370	200	.
CDC	CDC	.	587	.	.	725	.	.	.	.
	TOTAL	.	587	.	.	725	.	.	.	.
CRTC	CRTC	66	.	.	35	.	.	35	.	.
	TOTAL	66	.	.	35	.	.	35	.	.
E&I	E&I-ADM	.	16	.	.	24	.	.	25	.
	TOTAL	.	16	.	.	24	.	.	25	.
EMR	EMR-MES	63	244	.	1256	279	.	1318	379	.
	EMR-ENER	10	.	.	10	.	.	.	.	.
	TOTAL	73	244	.	1276	279	.	1318	379	.
ENV	ENV-ADM	.	.	.	.	.	.	.	216	.
	ENV-AES	.	36	.	.	40	.	.	40	.
	ENV-ECS	.	157	.	.	52	.	.	51	.
	ENV-EPS	.	309	.	.	93	.	.	100	.
	TOTAL	.	502	.	.	191	.	.	216	.
EU	EU-GO	400	.	.	400	.	.	400	.	.
	TOTAL	400	.	.	400	.	.	400	.	.
F&D	F&D-FM	60	82	.	47	86	.	55	86	.
	TOTAL	60	82	.	47	86	.	55	86	.
H&W	H&W-HP	15	40	.	15	40	.	15	36	.
	H&W-HSS	2757	.	22	3027	.	.	3170	.	.
	H&W-SS	1331	60	.	1315	20	.	1168	40	.
	TOTAL	4103	100	22	4357	60	.	4353	78	.
INA	INA-NA	.	32	.	82	.	.	82	340	.
	TOTAL	.	32	.	82	.	.	82	340	.
IDRC	IDRC	820	.	.	950	.	.	1188	.	.
	TOTAL	820	.	.	950	.	.	1188	.	.
JUST	JUST-ADM	37	383	.	37	473	.	37	74	.
	TOTAL	37	383	.	37	473	.	37	74	.
L&B	L&B	33	.	.	.	.	.	.	.	.
	TOTAL	33	.	.	.	.	.	.	.	.
LRC	LRC	.	6	.	.	11	.	.	.	.

(CONTINUED)

TABLE 18

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: CANADIAN N P INST

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
LRG	TOTAL	.	6	.	.	11	.	.	11	.
MRC	MRC	18206	.	577	19888	.	715	16833	.	479
	TOTAL	18206	.	577	19888	.	715	16833	.	479
NRC	NRC-SIR	485	100	.	194	69	.	209	31	.
	TOTAL	485	100	.	194	69	.	209	31	.
NSERC	NSERC	2693	.	.	1733	.	.	1802	.	.
	TOTAL	2693	.	.	1733	.	.	1802	.	.
PC	PC	64	.	.	25	.	.	25	.	.
	TOTAL	64	.	.	25	.	.	25	.	.
PW	PW-PTS	.	.	.	.	.	.	20	.	20
	TOTAL	.	.	.	.	.	.	20	.	20
SC	SC	.	41	.	.	55	.	.	57	.
	TOTAL	.	41	.	.	55	.	.	57	.
SECS	SECS-CIT	350	70	.	842	125	.	750	278	.
	TOTAL	350	70	.	842	125	.	750	278	.
SGEN	SGEN-ADM	668	30	.	2448	800	.	2448	800	.
	TOTAL	668	30	.	2448	800	.	2448	800	.
SS	SS-SUPP	.	58	.	.	333	.	.	330	.
	TOTAL	.	58	.	.	333	.	.	330	.
TPT	TPT-ADM	20	115	.	10	500	.	15	300	.
	TPT-SUR	18	33	.	16	.	.	15	.	.
	TOTAL	38	148	.	26	500	.	31	300	.
TB	TB-ADM	141	.	.	148	.	.	153	.	.
	TOTAL	141	.	.	148	.	.	153	.	.
TOTAL	TOTAL	38541	3031	599	33114	4555	715	30340	3713	489

TABLE 19

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: PROV. MUN. GOVERNMENT

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
AGR	AGR-OEV	2	19			29			20	
	AGR-FOR	.	247		.	103		.	108	
	TOTAL	2	266			132			128	
AECB	AECB	.	22		.	132		.	165	
	TOTAL	.	22		.	132		.	165	
CMHC	CMHC	65	13		20	105		18	93	
	TOTAL	65	13		20	105		18	93	
EMR	EMR-MES	.	.	.	620	885	.	750	1186	.
	EMR-ENER	1816	.	.	3000	.	.	3900	.	.
	TOTAL	1816	.	.	3620	885	.	4650	1186	.
ENV	ENV-ECS	.	.	.	.	133	.	.	135	.
	ENV-EPS	.	.	.	.	74	.	.	60	.
	TOTAL	.	.	.	.	207	.	.	195	.
H&W	NHW-HP	.	30		.	30		.	30	
	NHW-HSS	157	.	.	181	.	.	220	.	.
	NHW-SS	80	5		.	.	.	.	5	
	TOTAL	237	35		181	30	.	220	35	.
JUST	JUST-ADM	.	48		.	26		.	48	
	TOTAL	.	48		.	26		.	48	
NCC	NCC	.	10		.	10		.	10	
	TOTAL	.	10		.	10		.	10	
NRC	NRC-SIR	.	1067		.	1626		.	729	
	TOTAL	.	1067		.	1626		.	726	
SGEN	SGEN-ADM	900	20		1000	500	.	1000	500	.
	TOTAL	900	20		1000	500	.	1000	500	.
TPT	TPT-ADM	.	95		.	50		.	50	
	TOTAL	.	95		.	50		.	50	
TOTAL	TOTAL	3020	1577		3821	3708	.	5365	3146	.

TABLE 20

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: FOREIGN PERFORMERS

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-DEV	656	.	.	698	.	.	841	.	.
	AGR-FOR	60	80	.	182	62	.	182	62	.
	TOTAL	716	80	.	880	62	.	1023	62	.
AECB	AECB	.	370	.	446	.	.	469	.	.
	TOTAL	.	370	.	446	.	.	469	.	.
AECL	AECL	.	427	.	.	412	.	.	434	.
	TOTAL	.	427	.	.	412	.	.	434	.
CIOA	CIOA	14554	.	.	13654	.	.	14140	.	.
	TOTAL	14554	.	.	13654	.	.	14140	.	.
CTC	CTC	.	27	.	.	27	.	.	27	.
	TOTAL	.	27	.	.	27	.	.	27	.
COMM	COMM-COMM	14808	75	.	14720	.	.	19000	.	.
	TOTAL	14808	75	.	14720	.	.	19000	.	.
CCA	CCA-ADM	.	2	.	.	2	.	.	3	.
	TOTAL	.	2	.	.	2	.	.	3	.
EMR	EMR-MES	1339	977	.	4100	648	.	13300	189	.
	EMR-ENER	73	13	.	300	.	.	900	.	.
	TOTAL	1472	990	.	4400	648	.	13600	189	.
ENV	ENV-AES	.	114	.	.	100	.	.	100	.
	ENV-ECS	12	.	.	.	22	.	.	21	.
	ENV-EPS	.	207	.	.	19	.	.	10	.
	TOTAL	12	301	.	.	140	.	.	131	.
F&C	F&C-FM	30	2	.	30	2	.	30	2	.
	TOTAL	30	2	.	30	2	.	30	2	.
H&W	NHW-HP	807	50	.	55	50	.	55	45	.
	NHW-HSS	47	.	286	9	.	301	13	.	316
	TOTAL	854	50	286	64	50	301	70	45	316
IDRC	IORC	35703	.	1631	39005	.	1855	46011	.	3129
	TOTAL	35703	.	1631	39005	.	1855	46011	.	3129
JUST	JUST-AOM	.	18	.	.	10	.	.	18	.
	TOTAL	.	18	.	.	10	.	.	18	.
LAB	LAB	3	.	.	.	.	.	.	.	.
	TOTAL	3	.	.	.	.	.	.	.	.
MRC	MRC	77	.	4351	127	.	5091	20	.	3454
	TOTAL	77	.	4351	127	.	5091	20	.	3454
NDER	NDER-SEP	.	3929	.	.	5331	.	.	5225	.
	TOTAL	.	3929	.	.	5331	.	.	5225	.
NFB	NFB	.	21	.	.	.	.	.	.	.

(CONTINUED)

TABLE 20

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: FOREIGN PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
NFB	TOTAL		21							
NRC	NRC-SIR	3045	5757		3178	9017		3042	9692	
	TOTAL	3045	5757		3178	9017		3042	9692	
NSERC	NSERC			2281			2492			3024
	TOTAL			2281			2492			3024
PW	PW-PTS		9			9				
	TOTAL		9			9				
SC	SC		27			26			27	
	TOTAL		27			26			27	
ST	ST	2047			1895			2124		
	TOTAL	2047			1895			2124		
TPT	TPT-ADM		78			306			115	
	TPT-AIR					33			200	
	TPT-MAR		193							
	TOTAL		271			338			315	
TOTAL	TOTAL	73321	12376	8848	78398	16072	5735	99529	16180	2932

TABLE 21

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: OTHER PERFORMERS

		YEAR									
		1963-64			1964-65			1965-66			
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:			
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	
(\$,000)											
DEPARTMENT: PROGRAM:											
AGR	AGR-DEV	10	1106	.	10	1511	.	10	1035	.	
	AGR-FOR	.	532	.	.	290	.	.	.	.
	TOTAL	10	1638	.	10	1801	.	10	1035	.	
AECL	AECL	.	215	.	.	.	.	.	.	.
	TOTAL	.	215	.	.	.	.	.	.	.
CMHC	CMHC	44	214	.	195	626	.	175	550	.	
	TOTAL	44	214	.	195	626	.	175	550	.	
CRTC	CRTC	4	55	.	.	66	.	.	70	.	
	TOTAL	4	55	.	.	66	.	.	70	.	
CTC	CTC	.	58	.	.	59	.	.	59	.	
	TOTAL	.	58	.	.	59	.	.	59	.	
COMM	COMM-CMM	.	1500	.	.	.	.	.	.	.
	TOTAL	.	1500	.	.	.	.	.	.	.
ECC	ECC	.	250	.	.	250	.	.	257	.	
	TOTAL	.	250	.	.	250	.	.	257	.	
E&I	E&I-ADM	.	.	.	.	10	.	.	10	.
	TOTAL	.	.	.	.	10	.	.	10	.
EMR	EMR-MES	144	2917	.	293	3123	.	302	3740	.	
	EMR-ENER	133	1813	.	.	3553	.	.	2931	.	
	TOTAL	277	4730	.	293	6576	.	302	6572	.	
ENV	ENV-AES	37	154	.	50	160	.	56	150	.	
	ENV-ECS	.	623	.	.	355	.	.	347	.	
	ENV-EPS	.	566	.	.	394	.	.	340	.	
	ENV-PC	.	481	.	.	516	.	.	550	.	
	TOTAL	37	1829	.	50	1415	.	56	1387	.	
F&C	F&C-FM	.	682	.	.	722	.	.	717	.	
	TOTAL	.	682	.	.	722	.	.	717	.	
H&W	NHW-HP	.	70	.	.	70	.	.	73	.	
	NHW-HSS	.	8	.	.	10	.	.	11	.	
	NHW-SS	.	.	.	.	45	.	.	20	.
	TOTAL	.	78	.	.	125	.	.	104	.	
INA	IAND-IIA	114	.	.	12	.	.	.	.	.
	IAND-NA	.	70	.	.	243	.	.	360	.	
	TOTAL	114	70	.	12	243	.	.	360	.	
IDRC	IDRC	.	.	391	.	.	626	.	.	626	
	TOTAL	.	.	391	.	.	626	.	.	626	
JUST	JUST-ADM	.	373	.	.	572	.	.	403	.	
	TOTAL	.	373	.	.	572	.	.	403	.	

(CONTINUED)

TABLE 21

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: OTHER PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
LAB	LAB	33			62			52		
	TOTAL	33			62			52		
LRG	LRG		1558			1652			1652	
	TOTAL		1558			1652			1652	
LFB	LFB		20			20			20	
	TOTAL		20			20			20	
NCC	NCC		20							
	TOTAL		20							
NDEF	NDEF-SER		777			311			287	
	TOTAL		777			311			287	
NFB	NFB		5							
	TOTAL		5							
NMUS	NMUS		377			398			422	
	TOTAL		377			398			422	
NRC	NRC-SIR	3889	1650		9896	2515		6984	1125	
	TOTAL	3889	1650		9896	2515		6984	1125	
PW	PW-PTS		100							
	TOTAL		100							
SC	SC		331			341			355	
	TOTAL		331			341			355	
SECS	SECS-ADM		1						27	
	SECS-CIT	252	142		1570	163		1520	189	
	SECS-ES		1200			1200			250	
	TOTAL	252	1342		1570	1363		1500	485	
SGEN	SGEN-ADM	60	20		450			450		
	TOTAL	60	20		450			450		
SS	SS-SUPP		146							
	TOTAL		146							
TPT	TPT-ADM		31			104			50	
	TOTAL		31			104			50	
TOTAL	TOTAL	4720	18096	391	12528	19284	525	9579	16001	603

TABLE 22

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-CGC			2129			2394			3600
	AGR-DEV	11831	10011	191075	2841	13680	230340	2659	9328	258993
	AGR-FCR	6512	10859	42364	7721	5927	46549	8433	6639	42537
	AGR-RI			6390			6517			7839
	TOTAL	18343	20870	241958	10552	19607	286200	11092	15957	312969
AECB	AECB		1376	615	446	2209	723	466	2479	776
	TOTAL		1376	615	446	2209	723	466	2479	776
AECL	AECL		12315	108360		13029	114617		13307	119644
	TOTAL		12315	108360		13029	114617		13307	119644
CC	CDC		11	109		5	109		7	114
	TOTAL		11	109		5	109		7	114
CMHC	CMHC	1246	791	4349	1937	3746	5190	1733	3325	5545
	TOTAL	1246	791	4349	1937	3746	5190	1733	3325	5545
CDC	CDC		1544	248		1903	305			
	TOTAL		1544	248		1903	305			
CIDA	CIDA	14554		946	13654		1081	14140		1120
	TOTAL	14554		946	13654		1081	14140		1120
CTRC	CTRC	70	75	431	75	66	598	75	70	738
	TOTAL	70	75	431	75	66	598	75	70	738
CTC	CTC		270	1558		274	1517		274	1517
	TOTAL		270	1558		274	1517		274	1517
COMM	COMM-COMM	14808	18852	46920	14720	24538	66008	19000	18635	44774
	TOTAL	14808	18852	46920	14720	24538	66008	19000	18635	44774
CCA	CCA-ADM		1035	1245		1069	1306		476	1240
	TOTAL		1035	1245		1069	1306		476	1240
ECC	ECC		1057	5739		1058	5922		894	6429
	TOTAL		1057	5739		1058	5922		894	6429
E&I	E&I-ADM		148	1099		234	1122		244	1178
	TOTAL		148	1099		234	1122		244	1178
EMR	EMR-MES	3801	34557	114843	7933	41538	142753	17243	67448	135101
	EMR-ENER	18678	8532	1795	35757	7943	1585	42668	7802	1552
	TOTAL	82479	43089	116639	43690	49481	144348	59812	75050	137053
ENV	ENV-ADM		61	282		104	437	100	357	524
	ENV-AES	384	2562	23451	506	2774	30484	596	30201	34320
	ENV-ECS	250	2267	20859	241	2150	23693	241	2111	23117
	ENV-EPS		6431	3678		5326	4803		4150	3535
	ENV-PC		823			630			823	
	TOTAL	634	12134	48678	746	11337	59427	532	10634	52338

CONTINUED

TABLE 22

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
EA	EA-GO	1200	.	60	2400	.	60	2400	.	60
	TOTAL	1200	.	60	2400	.	60	2400	.	60
F&C	F&C-FM	1000	17800	108808	1007	19886	134892	1015	19462	139462
	TOTAL	1000	17800	108808	1007	19886	134892	1015	19462	139462
H&W	NHW-ADM	.	424	641	.	434	612	.	436	697
	NHW-HP	822	990	12245	70	990	12923	70	965	13086
	NHW-HSS	10153	681	2025	11001	656	2404	11665	721	2516
	NHW-MS	.	.	2473	.	.	3155	.	.	3015
	NHW-SS	2239	100	343	2250	70	448	1677	106	464
	TOTAL	13214	2195	17727	13321	2152	19542	13412	2227	19779
INA	IANG-IIA	114	.	10	121	.	5	.	.	.
	IANG-NA	738	801	1458	885	1852	2263	982	1956	2227
	TOTAL	852	801	1468	897	1852	2268	982	1956	2227
IDRC	IDRC	37934	.	14566	41894	.	16623	50214	.	20104
	TOTAL	37934	.	14566	41894	.	16623	50214	.	20104
JUST	JUST-ADM	57	1040	1008	37	1335	1197	37	732	1092
	TOTAL	57	1040	1008	37	1335	1197	37	732	1092
LAB	LAB	101	147	113	102	37	113	102	.	109
	TOTAL	101	147	113	102	37	113	102	.	109
LRC	LRC	.	1713	424	.	1847	441	.	1846	458
	TOTAL	.	1713	424	.	1847	441	.	1846	458
LFB	LFB	.	30	92	.	45	98	.	45	98
	TOTAL	.	30	92	.	46	98	.	45	98
MRC	MRC	122881	.	12865	135500	.	15523	114527	.	11383
	TOTAL	122881	.	12865	135500	.	15523	114527	.	11383
NCC	NCC	.	30	.	.	40	.	.	10	.
	TOTAL	.	30	.	.	40	.	.	10	.
NDERF	NDERF-SEB	.	48387	108677	.	82813	120515	.	100760	127636
	TOTAL	.	48387	108677	.	82813	120515	.	100760	127626
NFB	NFB	.	78	473	.	89	323	.	300	701
	TOTAL	.	78	473	.	50	323	.	300	701
NMUS	NMUS	.	728	5854	.	755	5944	.	824	6702
	TOTAL	.	728	5854	.	755	5944	.	824	6702
NRC	NRC-SIR	29808	47103	218806	118611	70825	290182	113170	40429	247571
	TOTAL	29808	47103	218806	118611	70825	290182	113170	40429	247571
NSERC	NSERC	229668	.	18629	247386	.	22920	228044	.	27123
	TOTAL	229668	.	18629	247386	.	22920	228044	.	27123
PC	PC	128	.	.	90	.	.	90	.	.

CONTINUED

TABLE 22

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND PERFORMER: TOTAL

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
PC	TOTAL	129	.	.	50	.	.	90	.	.
PW	PW-PTS	.	2339	1072	.	2532	1277	201	2798	1139
	TOTAL	.	2339	1072	.	2532	1277	201	2798	1139
RIE	RIE	136444	28	8716	203120	.	12975	244594	.	15624
	TOTAL	135444	28	8716	203120	.	12975	244594	.	15624
REV	REV-TAX	.	.	90	.	.	134	.	.	137
	TOTAL	.	.	90	.	.	134	.	.	137
RCMP	RCMP	.	349	.	.	394	25	.	582	.
	TOTAL	.	349	.	.	394	25	.	582	.
SC	SC	.	796	1568	.	836	1740	.	920	1803
	TOTAL	.	796	1568	.	836	1740	.	920	1803
ST	ST	2047	.	.	1895	.	.	2124	.	.
	TOTAL	2047	.	.	1895	.	.	2124	.	.
SECS	SECS-ADM	.	1	.	.	.	.	.	27	.
	SECS-CIT	721	315	410	4017	733	503	4650	1048	488
	SECS-ES	.	1206	250	7187	1529	468	.	250	250
	SECS-OL	.	34	1418	.	.	1474	.	.	1548
	TOTAL	721	1550	2076	11204	2262	2432	4650	1325	2266
SSHRC	SSHRC	30371	.	8030	31624	.	10081	28890	.	10285
	TOTAL	30371	.	8030	31624	.	10081	28890	.	10285
SGEN	SGEN-ADM	2228	1819	2270	4698	3748	2750	4698	3748	2750
	TOTAL	2228	1819	2270	4698	3748	2750	4698	3748	2750
STCAN	STCAN	.	384	7528	.	493	6603	.	493	8941
	TOTAL	.	394	7528	.	493	6603	.	493	8941
SS	SS-SUPP	.	11156	115	.	11165	121	.	11165	127
	TOTAL	.	11156	115	.	11165	121	.	11165	127
TPT	TPT-ADM	20	18029	2292	10	18133	2994	15	18651	3223
	TPT-AIR	.	119	752	.	449	445	.	1200	718
	TPT-MAR	50	3892	4028	50	5480	4807	50	5262	5401
	TPT-SUR	54	548	170	54	402	140	54	345	140
	TOTAL	124	22588	8242	114	24454	8386	119	25458	3482
TS	TS-ADM	141	.	.	148	.	.	153	.	.
	TOTAL	141	.	.	148	.	.	153	.	.
TOTAL	TOTAL	741054	274738	1128170	896880	256197	1357937	815339	357433	1362861

TABLE 23

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY PERFORMER

SCIENCE TYPE: TOTAL
AND ACTIVITY: RSA

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$,000)		(\$,000)		(\$,000)	
	\$	%	\$	%	\$	%
INTRAMURAL	945151	82	1033324	80	1074705	80
CANADIAN INDUSTRY	71983	6	103659	8	135938	10
CANADIAN UNIVERSITY	59478	5	70736	5	69172	5
CANADIAN N P INST	16420	1	17791	1	16281	1
PROV. MUN. GOVERNMENT	37383	3	39357	3	23366	2
FOREIGN PERFORMERS	12965	1	15595	1	15340	1
OTHER PERFORMERS	10660	1	13077	1	13045	1
TOTAL	1154040	100	1293539	100	1347847	100

TABLE 24

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: RSA

DEPARTMENT:	PROGRAM:	YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
AGR	AGR-ADM	5729	.	5729	5781	.	5781	6148	.	6148	
	AGR-CGC	2155	4	2159	2385	4	2389	3125	4	3129	
	AGR-DEV	6772	836	7608	4339	340	4679	4252	352	4604	
	AGR-FOR	4721	805	5526	3611	781	4392	3437	972	4409	
	AGR-RI	15379	.	15379	20442	.	20442	30355	.	30355	
	TOTAL	34756	1645	36401	36558	1125	37683	47317	1328	48645	
AECB	AECB	22	68	90	22	228	250	27	261	288	
	TOTAL	22	68	90	22	228	250	27	261	288	
AECL	AECL	8689	8626	17315	9007	9551	18558	9670	9873	19543	
	TOTAL	8689	8626	17315	9007	9551	18558	9670	9873	19543	
CC	CDC	121	9	130	122	10	132	127	10	137	
	TOTAL	121	9	130	122	10	132	127	10	137	
CEIC	CEIC	8658	473	9131	9146	620	9766	9598	649	10247	
	TOTAL	8658	473	9131	9146	620	9766	9598	649	10247	
CMHC	CMHC	6031	4105	10136	7210	4791	12001	7714	3900	11614	
	TOTAL	6031	4105	10136	7210	4791	12001	7714	3900	11614	
CBC	CBC	2463	2576	5039	2417	3042	5459	2513	3165	5678	
	TOTAL	2463	2576	5039	2417	3042	5459	2513	3165	5678	
CHRC	CHRC	357	.	357	553	.	553	500	.	500	
	TOTAL	357	.	357	553	.	553	500	.	500	
CIDA	CIDA	2916	29379	32295	2768	34374	37142	2796	38842	41638	
	TOTAL	2916	29379	32295	2768	34374	37142	2796	38842	41638	
CRTC	CRTC	.	22	22	.	30	30	.	30	30	
	TOTAL	.	22	22	.	30	30	.	30	30	
CTC	CTC	1587	.	1587	1580	.	1580	1580	.	1580	
	TOTAL	1587	.	1587	1580	.	1580	1580	.	1580	
COL	COL	2723	.	2723	3108	.	3108	2998	.	2998	
	TOTAL	2723	.	2723	3108	.	3108	2998	.	2998	
COMM	COMM-COMM	2225	919	3144	3974	6104	10078	4625	4275	8900	
	TOTAL	2225	919	3144	3974	6104	10078	4625	4275	8900	
CCA	CCA-ADM	101	86	187	64	61	125	66	54	130	
	CCA-CON	2922	.	2922	5280	.	5280	3501	.	3501	
	CCA-COR	10841	.	10841	11537	.	11537	12635	.	12535	
	TOTAL	13864	86	13950	16881	61	16942	16202	64	16266	
ECC	ECC	1268	.	1268	1365	.	1365	1420	.	1420	
	TOTAL	1268	.	1268	1365	.	1365	1420	.	1420	
ED	MSED	19418	395	19813	6934	0	6934	.	.	.	
	TOTAL	19418	395	19813	6934	0	6934	.	.	.	

(CONTINUED)

TABLE 24

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: RSA

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PERFORMER:		PERFORMER:		PERFORMER:		PERFORMER:		
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
E&I	E&I-ADM	10484	1081	11565	11478	995	12473	12047	1044	13091
	TOTAL	10484	1081	11565	11478	995	12473	12047	1044	13091
EMR	EMR-MES	57068	7165	64233	64771	8686	73457	78813	14533	93346
	EMR-ENER	1311	18973	20284	897	27862	28759	531	40059	40590
	TOTAL	58379	26138	84517	65668	36548	102216	79344	54592	133836
ENV	ENV-ADM	80	79	159	88	47	135	87	134	221
	ENV-AES	151109	2960	154069	170246	3399	173645	179842	3719	183561
	ENV-ECS	47318	7152	54470	53584	7089	60673	52242	6912	59154
	ENV-EPS	3631	359	3990	3377	287	3664	3145	280	3425
	ENV-PC	11339	600	11939	12026	632	12658	12743	625	13368
	TOTAL	213477	11150	224627	239321	11454	250775	248059	11670	259729
EA	EA-CIA	6459	2192	8651	7410	4460	11870	7751	3890	11641
	TOTAL	6459	2192	8651	7410	4460	11870	7751	3890	11641
FIN	FIN-FEP	17148	.	17148	18929	.	18929	18895	.	18895
	TOTAL	17148	.	17148	18929	.	18929	18895	.	18895
F&O	F&O-FM	80069	4311	84380	104395	5126	109521	106112	4720	110832
	TOTAL	80069	4311	84380	104395	5126	109521	106112	4720	110832
H&W	NHW-ADM	7130	3266	10396	6947	3323	10270	7512	3383	10895
	NHW-HP	39085	1558	40643	44257	1833	46090	43906	1369	45275
	NHW-HSS	827	4940	5767	929	5934	6863	997	8420	7417
	NHW-IS	824	.	824	882	.	882	1067	25	1092
	NHW-SS	243	3801	4044	302	4076	4378	326	4135	4461
	TOTAL	48109	13565	61674	53317	15166	68483	53808	15332	69140
INA	IAND-IIA	.	48	48	25	.	25	42	.	42
	IANO-NA	270	279	549	1141	2653	3794	1191	2378	3569
	TOTAL	270	327	597	1166	2653	3819	1233	2378	3611
IDRC	IDRC	7664	3507	11171	9771	5373	15144	10305	4779	15084
	TOTAL	7664	3507	11171	9771	5373	15144	10305	4779	15084
IJC	IJC	2880	106	2986	3226	158	3384	3257	190	3447
	TOTAL	2880	106	2986	3226	158	3384	3257	190	3447
JUST	JUST-ADM	656	2007	2663	653	2255	2908	697	2706	3403
	JUST-CUJO	1770	.	1770	420	.	420	.	.	.
	TOTAL	2426	2007	4433	1073	2255	3328	697	2706	3403
LAB	LAB	4518	173	4697	4614	927	5541	4836	1105	5941
	TOTAL	4518	179	4697	4614	927	5541	4836	1105	5941
LRC	LRC	496	501	997	490	446	936	512	421	933
	TOTAL	496	501	997	490	446	936	512	421	933
LFB	LFB	27	.	27	28	.	28	28	.	28

(CONTINUED)

TABLE 24

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: RSA

		YEAR								
		1983-84			1984-85			1985-86		
		PERFORMER:			PERFORMER:			PERFORMER:		
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
LFB	TOTAL	27	.	27	28	.	28	28	.	28
MRC	MRC	102	4591	4693	151	5694	5845	139	4534	4673
	TOTAL	102	4591	4693	151	5694	5845	139	4534	4673
NCC	NCC	683	240	923	705	161	866	710	394	1104
	TOTAL	683	240	923	705	161	866	710	394	1104
NOEF	NOEF-SER	2903	144	3047	3281	184	3465	3586	162	3748
	TOTAL	2903	144	3047	3281	184	3465	3586	162	3748
NEB	NEB	2247	.	2247	2171	.	2171	2619	.	2619
	TOTAL	2247	.	2247	2171	.	2171	2619	.	2619
NFB	NFB	222	.	222	425	.	425	425	.	425
	TOTAL	222	.	222	425	.	425	425	.	425
NLIB	NLIB	29593	28	29621	31706	37	31743	32815	42	32857
	TOTAL	29593	28	29621	31706	37	31743	32815	42	32857
NMUS	NMUS	51329	12046	63375	54805	12745	67550	54940	13498	68438
	TOTAL	51329	12046	63375	54805	12745	67550	54940	13498	68438
NRC	NRC-SIR	24915	1026	25941	26134	1452	27586	28059	500	28559
	NRC-STI	23427	78	23505	26929	78	27007	30023	78	30101
	TOTAL	48342	1104	49446	53063	1530	54593	58082	578	58660
NSERC	NSERC	781	32599	33380	1296	40295	41591	1458	39046	40504
	TOTAL	781	32599	33380	1296	40295	41591	1458	39046	40504
PA	PA	15977	529	16506	16670	.	16670	16788	.	16788
	TOTAL	15977	529	16506	16670	.	16670	16788	.	16788
PW	PW-PTS	2780	912	3692	2615	954	3569	1139	893	2032
	TOTAL	2780	912	3692	2615	954	3569	1139	893	2032
RIE	RIE	305	17504	17809	500	21929	22429	120	17564	17564
	TOTAL	305	17504	17809	500	21929	22429	120	17564	17564
REV	REV-TAX	2154	.	2154	2843	.	2843	2918	.	2918
	TOTAL	2154	.	2154	2843	.	2843	2918	.	2918
RCMP	RCMP	.	7	7	.	8	8	.	8	8
	TOTAL	.	7	7	.	8	8	.	8	8
SC	SC	2218	.	2218	2271	.	2271	2368	.	2368
	TOTAL	2218	.	2218	2271	.	2271	2368	.	2368
ST	ST	8739	383	9122	6105	.	6105	6953	.	6953
	TOTAL	8739	383	9122	6105	.	6105	6953	.	6953
SECS	SECS-AOM	803	47	850	822	73	895	846	170	1016
	SECS-CIT	.	50	50	.	239	239	.	.	.
	SECS-ES	.	260	260	.	.	.	.	.	.
	SECS-OL	321	731	1052	335	893	1228	276	938	1214

(CONTINUED)

TABLE 24

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: TOTAL
AND ACTIVITY: RSA

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PERFORMER:			PERFORMER:			PERFORMER:		
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
SECS	TOTAL	1124	1088	2212	1157	1205	2362	1122	1108	2230
SSHRC	SSHRC	2169	18514	20683	2213	18880	21093	2412	19314	21726
	TOTAL	2169	18514	20683	2213	18880	21093	2412	19314	21726
SGEN	SGEN-ADM	1095	996	2091	1000	1900	2900	1000	1750	2750
	TOTAL	1095	996	2091	1000	1900	2900	1000	1750	2750
STCAN	STCAN	193171	94	193265	204213	99	204312	206566	94	206660
	TOTAL	193171	94	193265	204213	99	204312	206566	94	206660
SS	SS-SUPP	39	3829	3868	42	3835	3877	45	3804	3849
	TOTAL	39	3829	3868	42	3835	3877	45	3804	3849
TPT	TPT-AOM	1846	798	2644	2298	3587	5885	2879	3377	6256
	TPT-AIR	3196	69	3265	3775	439	4214	3287	565	3852
	TPT-MAR	195	47	242	.	1236	1236	.	1187	1187
	TOTAL	5237	914	6151	6073	5262	11335	6166	5129	11295
TB	TB-ADM	16437	.	16437	17488	.	17488	18363	.	18363
	TOTAL	16437	.	16437	17488	.	17488	18363	.	18363
TOTAL	TOTAL	945151	208889	1154040	1033324	260215	1293539	1074705	273142	1347847

TABLE 25

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1983-84

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S
ACTIVITY:								
INTRAMURAL R&D	214	6013	801	4734	2218	3084	167	17231
INTRAMURAL RSA	503	4072	2151	4357	4829	759	12	16684
ADMIN. OF EXTRAMURAL PROGRAMS	56	408	383	66	432	43	10	1398
TOTAL	773	10494	3335	9157	7479	3885	189	35313

SCIENCE TYPE: TOTAL
AND YEAR: 1984-85

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S
ACTIVITY:								
INTRAMURAL R&D	266	6222	830	4835	2178	3034	176	17540
INTRAMURAL RSA	462	4133	2104	4457	4615	762	12	16544
ADMIN. OF EXTRAMURAL PROGRAMS	62	462	405	70	482	41	10	1533
TOTAL	790	10817	3339	9383	7275	3836	198	35617

SCIENCE TYPE: TOTAL
AND YEAR: 1985-86

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S
ACTIVITY:								
INTRAMURAL R&D	269	6208	864	4867	2100	2854	178	17340
INTRAMURAL RSA	497	4135	2114	4333	4455	726	12	16273
ADMIN. OF EXTRAMURAL PROGRAMS	62	473	439	71	469	44	10	1568
TOTAL	828	10817	3417	9271	7024	3624	200	35181

TABLE 26-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1983-84

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE PY'S	SCIENTIFIC & PROFESS. PY'S	ADMIN. & FOREIGN SERVICE PY'S	TECHNICAL PY'S	ADMIN. SUPPORT PY'S	OPERN'S PY'S	MILITARY PY'S	
AGR	AGR-ADM	1	40	38	5	47	-	-	131
	AGR-CGC	1	19	1	61	11	2	-	95
	AGR-DEV	38	924	103	939	355	1482	-	3841
	AGR-FOR	28	305	47	361	271	84	-	1097
	AGR-RI	-	103	2	224	40	103	-	472
	TOTAL	68	1392	191	1590	724	1671	-	5636
AECB	AECB	-	11	-	-	1	-	-	12
	TOTAL	-	11	-	-	1	-	-	12
AECL	AECL	17	759	-	967	347	575	-	2665
	TOTAL	17	759	-	967	347	575	-	2665
CC	COC	-	3	-	2	2	-	-	6
	TOTAL	-	3	-	2	2	-	-	6
CEIC	CEIC	4	76	24	22	44	-	-	170
	TOTAL	4	76	24	22	44	-	-	170
CMHC	CMHC	2	107	-	-	59	-	-	168
	TOTAL	2	107	-	-	59	-	-	168
CBC	CBC	4	22	1	25	2	-	-	54
	TOTAL	4	22	1	25	2	-	-	54
CDC	COC	-	-	-	-	2	-	-	2
	TOTAL	-	-	-	-	2	-	-	2
CHRC	CHRC	1	3	1	-	-	1	-	6
	TOTAL	1	3	1	-	-	1	-	6
CIDA	CIDA	1	3	35	3	15	-	-	57
	TOTAL	1	3	35	3	15	-	-	57
CRTC	CRTC	-	1	2	3	5	-	-	11
	TOTAL	-	1	2	3	5	-	-	11
CTC	CTC	2	42	-	11	11	-	-	66
	TOTAL	2	42	-	11	11	-	-	66
COL	COL	7	-	45	-	11	-	-	63
	TOTAL	7	-	45	-	11	-	-	63
COMM	COMM-COMM	26	229	69	148	78	63	-	613
	TOTAL	26	229	69	148	78	63	-	613
CCA	CCA-ADM	3	26	3	4	7	-	-	43
	CCA-CON	1	9	9	31	7	3	-	60
	CCA-COR	4	131	14	-	120	-	-	269
	TOTAL	8	166	26	35	134	3	-	372
ECC	ECC	3	57	23	16	36	-	-	135
	TOTAL	3	57	23	16	36	-	-	135
ED	MSED	99	32	77	5	78	-	-	291

(CONTINUED)

TABLE 26-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1983-84

		CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
DEPARTMENT:	DEPARTMENT:								
ED	TOTAL	99	32	77	5	78	.	.	291
E&I	E&I-ADM	6	88	8	25	53	.	.	180
	TOTAL	6	88	8	25	53	.	.	180
EMR	EMR-MES	49	1048	114	817	428	161	.	2616
	EMR-ENER	2	29	6	.	7	.	.	44
	TOTAL	51	1077	120	817	435	161	.	2660
ENV	ENV-ADM	.	2	5	.	0	.	.	8
	ENV-AES	62	661	204	1079	369	39	.	2414
	ENV-ECS	8	354	167	256	286	77	.	1148
	ENV-EPS	2	77	4	59	24	10	.	175
	ENV-PC	.	77	7	74	33	5	.	196
	TOTAL	72	1170	388	1468	712	131	.	3941
EA	EA-CIA	3	7	66	.	39	.	.	115
	EA-GO	.	.	.	.	1	.	.	1
	TOTAL	3	7	66	.	40	.	.	116
FIN	FIN-FEP	20	150	25	22	51	.	.	268
	TOTAL	20	150	25	22	51	.	.	268
F&O	F&O-FM	46	795	141	876	286	452	.	2595
	TOTAL	46	795	141	876	286	452	.	2595
H&W	NHW-ADM	9	68	11	44	32	.	.	164
	NHW-HP	25	530	34	267	247	58	.	1161
	NHW-HSS	2	18	15	1	10	3	.	48
	NHW-IS	1	11	4	2	2	.	.	20
	NHW-MS	1	26	-	.	10	.	.	37
	NHW-SS	2	6	.	.	6	.	.	14
	TOTAL	40	659	64	314	307	61	.	1444
INA	IANO-IIA	.	.	.	.	0	.	.	0
	IANO-NA	1	18	1	2	2	.	.	23
	TOTAL	1	18	1	2	2	.	.	23
ICRC	IORC	8	98	15	48	99	.	.	266
	TOTAL	8	98	15	48	99	.	.	266
IJC	IJC	7	10	3	4	22	.	.	46
	TOTAL	7	10	3	4	22	.	.	46
JUST	JUST-AOM	4	15	6	.	14	.	.	38
	JUST-CUTO	1	.	6	.	6	.	.	13
	TOTAL	5	15	12	.	20	.	.	51
LAB	LAB	3	35	13	46	15	.	.	112
	TOTAL	3	35	13	46	15	.	.	112
LRC	LRC	4	2	5	1	17	.	.	29

(CONTINUED)

TABLE 26-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1983-84

		CATEGORY:								
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY		
DEPARTMENT:	DEPARTMENT:									
LCR	TOTAL		4	2	5	1	17	.	29	
LFB	LFB		0	1	.	.	1	.	2	
	TOTAL		0	1	.	.	1	.	2	
MRC	MRC		8	.	19	.	24	.	51	
	TOTAL		8	.	19	.	24	.	51	
NCC	NCC		.	8	3	5	.	.	16	
	TOTAL		.	8	3	5	.	.	16	
NDEF	NDEF-SER		12	602	120	492	286	247	189	
	TOTAL		12	602	120	492	286	247	189	
NEB	NEB		2	35	1	2	10	.	50	
	TOTAL		2	35	1	2	10	.	50	
NFB	NFB		.	2	.	7	1	.	10	
	TOTAL		.	2	.	7	1	.	10	
NLIB	NLIB		10	216	55	47	213	.	541	
	TOTAL		10	216	55	47	213	.	541	
NMUS	NMUS		36	102	258	269	197	189	.	
	TOTAL		36	102	258	269	197	189	.	
NRC	NRC-SIR		7	1223	202	958	504	285	.	
	NRC-STI		.	76	40	1	124	4	.	
	TOTAL		7	1299	242	959	628	289	.	
NSERC	NSERC		8	.	46	.	57	.	111	
	TOTAL		8	.	46	.	57	.	111	
PA	PA		9	108	4	74	85	2	.	
	TOTAL		9	108	4	74	85	2	.	
PW	PW-PTS		2	37	4	12	12	.	68	
	TOTAL		2	37	4	12	12	.	68	
RIE	RIE		.	4	115	.	51	1	.	
	TOTAL		.	4	115	.	51	1	.	
REV	REV-TAX		2	27	.	.	.	.	29
	TOTAL		2	27	.	.	.	.	29
SC	SC		6	17	22	5	17	.	67	
	TOTAL		6	17	22	5	17	.	67	
ST	ST		35	19	55	.	27	.	136	
	TOTAL		35	19	55	.	27	.	136	
SECS	SECS-ADM		1	5	.	1	2	.	9	
	SECS-CIT		1	5	.	1	2	.	8	
	SECS-ES		.	2	.	.	.	.	2
	SECS-OL		.	.	44	1	7	.	52	
	TOTAL		2	12	44	3	11	.	71	

(CONTINUED)

TABLE 26-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1983-84

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
SSHRC	SSHRC	11	2	44	.	47	.	.	104
	TOTAL	11	2	44	.	47	.	.	104
SGEN	SGEN-ADM	3	57	3	4	24	1	.	92
	TOTAL	3	57	3	4	24	1	.	92
STCAN	STCAN	73	831	776	818	2116	37	.	4651
	TOTAL	73	831	776	818	2116	37	.	4651
SS	SS-SUPP	1	.	2	.	2	.	.	5
	TOTAL	1	.	2	.	2	.	.	5
TPT	TPT-ADM	3	40	11	4	19	1	.	78
	TPT-AIR	.	13	2	2	.	.	.	17
	TPT-MAR	.	22	10	2	3	.	.	37
	TPT-SUR	1	.	.	.	.	.	.	1
	TOTAL	4	75	23	8	22	1	.	133
TB	TB-ADM	35	14	147	4	42	.	.	242
	TOTAL	35	14	147	4	42	.	.	242
	TOTAL	773	10494	3335	9157	7479	3885	189	35313

TABLE 26-2

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1984-85

DEPARTMENT:		CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
DEPARTMENT:	DEPARTMENT:								
AGR	AGR-ADM	1	41	36	5	46	.	.	129
	AGR-CGC	1	20	2	61	11	2	.	97
	AGR-DEV	61	970	124	906	370	1422	.	3853
	AGR-FOR	30	310	46	365	291	85	.	1127
	AGR-RI	.	107	1	227	36	105	.	476
	TOTAL	93	1448	209	1564	754	1614	.	5682
AECB	AECB	.	12	.	.	1	.	.	13
	TOTAL	.	12	.	.	1	.	.	13
AECL	AECL	18	771	.	989	350	572	.	2700
	TOTAL	18	771	.	989	350	572	.	2700
CC	CDC	.	3	.	2	2	.	.	6
	TOTAL	.	3	.	2	2	.	.	6
CEIC	CEIC	5	85	26	20	38	.	.	174
	TOTAL	5	85	26	20	38	.	.	174
CMHC	CMHC	3	106	.	*	59	.	.	168
	TOTAL	3	106	.	*	59	.	.	168
CBC	CBC	4	22	1	25	2	.	.	54
	TOTAL	4	22	1	25	2	.	.	54
CDC	CDC	.	.	.	.	2	.	.	2
	TOTAL	.	.	.	.	2	.	.	2
CHRC	CHRC	1	3	3	.	1	.	.	8
	TOTAL	1	3	3	.	1	.	.	8
CIDA	CIDA	1	3	35	3	15	.	.	57
	TOTAL	1	3	35	3	15	.	.	57
CRTC	CRTC	1	3	2	3	4	.	.	13
	TOTAL	1	3	2	3	4	.	.	13
CTC	CTC	2	42	.	11	11	.	.	66
	TOTAL	2	42	.	11	11	.	.	66
COL	COL	8	.	41	.	11	.	.	50
	TOTAL	8	.	41	.	11	.	.	50
COMM	COMM-COMM	31	232	76	168	80	64	.	651
	TOTAL	31	232	76	168	80	64	.	651
CCA	CCA-ADM	3	30	2	4	9	.	.	48
	CCA-CON	1	10	13	30	8	3	.	65
	CCA-COR	6	129	14	.	118	.	.	267
	TOTAL	10	169	29	34	135	3	.	380
ECC	ECC	3	53	26	17	34	.	.	133
	TOTAL	3	53	26	17	34	.	.	133
ED	MSED	17	20	43	2	28	.	.	110

(CONTINUED)

TABLE 26-2

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1984-85

		CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
DEPARTMENT:	DEPARTMENT:								
EO	TOTAL	17	20	43	2	28	.	.	110
E&I	E&I-ADM	9	97	9	27	52	.	.	194
	TOTAL	9	97	9	27	52	.	.	194
EMR	EMR-MES	59	1140	134	836	361	162	.	2691
	EMR-ENER	2	28	6	.	6	.	.	42
	TOTAL	61	1168	140	836	367	162	.	2733
ENV	ENV-ADM	.	4	6	.	0	.	.	10
	ENV-AES	68	631	213	1166	379	39	.	2496
	ENV-ECS	8	354	167	256	286	77	.	1148
	ENV-EPS	3	80	4	61	25	11	.	183
	ENV-PC	.	77	7	74	33	5	.	196
	TOTAL	79	1146	398	1557	723	132	.	4033
EA	EA-CIA	8	8	56	.	31	.	.	103
	EA-GO	.	.	.	.	1	.	.	1
	TOTAL	8	8	56	.	32	.	.	104
FIN	FIN-FEP	25	174	25	23	46	.	.	293
	TOTAL	25	174	25	23	46	.	.	293
F&O	F&O-FM	49	805	149	888	279	446	.	2614
	TOTAL	49	805	149	888	279	446	.	2614
H&W	NHW-ADM	9	67	11	44	32	.	.	163
	NHW-HP	28	576	34	256	254	51	.	1209
	NHW-HSS	2	21	17	1	10	3	.	53
	NHW-IS	2	7	5	2	1	.	.	18
	NHW-MS	1	30	.	.	10	.	.	41
	NHW-SS	2	7	.	.	5	.	.	14
	TOTAL	45	708	66	303	312	64	.	1498
INA	IANO-IIA	.	1	.	.	0	.	.	1
	IANO-NA	2	36	1	2	5	4	.	49
	TOTAL	2	37	1	2	5	4	.	50
IDRC	IDRC	8	118	22	50	104	.	.	301
	TOTAL	8	118	22	50	104	.	.	301
IJC	IJC	7	11	3	4	22	.	.	47
	TOTAL	7	11	3	4	22	.	.	47
JUST	JUST-ADM	5	12	7	.	13	.	.	37
	JUST-CJIC	1	.	2	.	2	.	.	5
	TOTAL	6	12	9	.	15	.	.	42
LAB	LAB	3	34	14	45	14	.	.	110
	TOTAL	3	34	14	45	14	.	.	110
LRC	LRC	4	2	5	.	17	.	.	29

(CONTINUED)

TABLE 26-2

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1984-85

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	DPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
LRC	TOTAL	4	2	5	1	17	.	.	29
LFB	LFB	0	1	.	.	1	.	.	2
	TOTAL	0	1	.	.	1	.	.	2
MRC	MRC	8	-	22	-	24	.	.	54
	TOTAL	8	-	22	-	24	.	.	54
NCC	NCC	.	10	3	4	.	.	.	17
	TOTAL	.	10	3	4	.	.	.	17
NDEF	NOEF-SER	12	600	122	479	274	235	198	1919
	TOTAL	12	600	122	479	274	235	198	1919
NEB	NEB	2	26	1	2	9	.	.	40
	TOTAL	2	26	1	2	9	.	.	40
NFB	NFB	.	2	.	7	1	.	.	10
	TOTAL	.	2	.	7	1	.	.	10
NLIB	NLIB	10	216	57	55	202	.	.	540
	TOTAL	10	216	57	55	202	.	.	540
NMUS	NMUS	36	102	258	269	201	189	.	1055
	TOTAL	36	102	258	269	201	189	.	1055
NRC	NRC-SIR	8	1268	201	1028	477	288	.	3270
	NRC-STI	.	78	38	1	124	4	.	245
	TOTAL	8	1346	239	1029	601	292	.	3515
NSERC	NSERC	10	2	48	.	78	.	.	138
	TOTAL	10	2	48	.	78	.	.	138
PA	PA	9	107	14	75	86	2	.	293
	TOTAL	9	107	14	75	86	2	.	293
PW	PW-PTS	1	33	3	12	11	.	.	60
	TOTAL	1	33	3	12	11	.	.	60
RIE	RIE	.	4	115	.	51	1	.	171
	TOTAL	.	4	115	.	51	1	.	171
REV	REV-TAX	2	30	.	.	.	.	.	32
	TOTAL	2	30	.	.	.	.	.	32
SC	SC	6	18	21	5	17	.	.	67
	TOTAL	6	18	21	5	17	.	.	67
ST	ST	31	11	20	.	15	.	.	77
	TOTAL	31	11	20	.	15	.	.	77
SECS	SECS-ADM	1	4	1	1	2	.	.	9
	SECS-CIT	1	5	.	2	2	.	.	10
	SECS-ES	.	3	.	1	2	.	.	6
	SECS-DL	.	-	43	1	7	.	.	51
	TOTAL	2	12	44	5	13	.	.	76

(CONTINUED)

TABLE 26-2

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1984-85

		CATEGORY:							
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
DEPARTMENT:	DEPARTMENT:								
SSHRC	SSHRC	11	2	44	-	47	-	-	104
	TOTAL	11	2	44	-	47	-	-	104
SGEN	SGEN-ADM	8	66	3	5	26	4	-	110
	TOTAL	6	66	3	5	26	4	-	110
STCAN	STCAN	83	836	769	824	2039	49	-	4600
	TOTAL	83	836	769	824	2039	49	-	4600
SS	SS-SUPP	1	-	2	-	2	-	-	5
	TOTAL	1	-	2	-	2	-	-	5
TPT	TPT-ADM	3	40	11	5	19	1	-	79
	TPT-AIR	-	24	5	10	4	3	-	46
	TPT-MAR	-	27	10	2	3	-	-	42
	TPT-SUR	1	-	-	-	-	-	-	1
	TOTAL	4	91	26	17	26	4	-	168
TB	TB-ADM	46	11	142	3	36	-	-	238
	TOTAL	46	11	142	3	36	-	-	238
TOTAL	TOTAL	780	10817	3339	9363	7275	3836	198	35617

TABLE 26-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1985-86

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
AGR	AGR-ADM	1	43	36	6	43	-	-	129
	AGR-CGC	1	20	2	67	11	2	-	103
	AGR-DEV	59	980	125	932	395	1218	-	3709
	AGR-FOR	30	316	47	361	171	89	-	1014
	AGR-RI	-	109	1	228	36	105	-	479
	TOTAL	91	1458	211	1594	656	1414	-	5434
AECB	AECB	-	12	-	-	1	-	-	13
	TOTAL	-	12	-	-	1	-	-	13
AECL	AECL	19	816	-	988	351	577	-	2751
	TOTAL	19	816	-	988	351	577	-	2751
CC	CDC	-	3	-	2	2	-	-	6
	TOTAL	-	3	-	2	2	-	-	6
CEIC	CEIC	5	85	26	20	38	-	-	174
	TOTAL	5	85	26	20	38	-	-	174
CMHC	CMHC	3	106	-	-	59	-	-	168
	TOTAL	3	106	-	-	59	-	-	168
CBC	CBC	4	22	1	25	2	-	-	54
	TOTAL	4	22	1	25	2	-	-	54
CHRC	CHRC	1	3	3	-	1	-	-	8
	TOTAL	1	3	3	-	1	-	-	8
CIDA	CIDA	1	3	35	3	15	-	-	57
	TOTAL	1	3	35	3	15	-	-	57
CRTC	CRTC	1	3	1	3	4	-	-	12
	TOTAL	1	3	1	3	4	-	-	12
CTC	CTC	3	45	-	9	9	-	-	66
	TOTAL	3	45	-	9	9	-	-	66
COL	COL	8	-	41	-	11	-	-	60
	TOTAL	8	-	41	-	11	-	-	60
COMM	COMM-COMM	32	233	78	169	81	65	-	658
	TOTAL	32	233	78	169	81	65	-	658
CCA	CCA-ADM	3	23	2	4	6	-	-	38
	CCA-CON	1	10	8	34	8	3	-	64
	CCA-COR	8	123	17	1	119	-	-	258
	TOTAL	12	156	27	39	133	3	-	370
ECC	ECC	3	51	27	18	34	-	-	133
	TOTAL	3	51	27	18	34	-	-	133
E&I	E&I-AOM	9	96	9	27	53	-	-	194
	TOTAL	9	96	9	27	53	-	-	194
EMR	EMR-MES	62	1126	164	835	387	152	-	2736

(CONTINUED)

TABLE 26-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1985-86

		CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN-SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
DEPARTMENT:	DEPARTMENT:								
EMR	EMR-ENER	2	29	8	-	6	-	-	45
	TOTAL	64	1155	172	835	393	162	-	2781
ENV	ENV-ADM	-	4	6	-	0	-	-	11
	ENV-AES	88	657	234	1087	367	29	-	2442
	ENV-ECS	8	339	159	245	274	73	-	1098
	ENV-EPS	3	77	4	58	24	10	-	174
	ENV-PC	-	77	7	74	33	5	-	196
	TOTAL	79	1153	410	1464	698	117	-	3921
EA	EA-CIA	8	8	56	-	31	-	-	103
	EA-GO	-	-	-	-	1	-	-	1
	TOTAL	8	8	56	-	32	-	-	104
FIN	FIN-FEP	51	148	27	26	47	-	-	299
	TOTAL	51	148	27	26	47	-	-	299
F&D	F&D-FM	49	822	148	914	273	458	-	2664
	TOTAL	49	822	148	914	273	458	-	2664
H&W	NHW-ADM	10	63	11	43	31	-	-	158
	NHW-HP	28	578	34	250	246	61	-	1197
	NHW-HSS	2	25	17	1	11	5	-	60
	NHW-IS	2	9	10	1	1	-	-	24
	NHW-MS	1	30	-	-	10	-	-	41
	NHW-SS	2	7	-	-	5	-	-	14
	TOTAL	46	712	72	295	304	66	-	1494
INA	IANO-IIA	-	2	-	-	-	-	-	2
	IANO-NA	3	37	1	2	5	4	-	52
	TOTAL	3	39	1	2	5	4	-	53
IORC	IORC	8	132	25	52	94	-	-	311
	TOTAL	8	132	25	52	94	-	-	311
IJC	IJC	7	11	3	4	22	-	-	47
	TOTAL	7	11	3	4	22	-	-	47
JUST	JUST-ADM	5	12	7	-	13	-	-	37
	TOTAL	5	12	7	-	13	-	-	37
LAB	LAB	3	34	13	40	13	-	-	103
	TOTAL	3	34	13	40	13	-	-	103
LRC	LRC	4	2	5	1	19	-	-	31
	TOTAL	4	2	5	1	19	-	-	31
LFB	LFB	0	1	-	-	1	-	-	2
	TOTAL	0	1	-	-	1	-	-	2
MRC	MRC	6	-	22	-	26	-	-	54
	TOTAL	6	-	22	-	26	-	-	54

(CONTINUED)

TABLE 26-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1985-86

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
NCC	NCC	.	11	3	3	.	.	.	17
	TOTAL	.	11	3	3	.	.	.	17
NOEF.	NOEF-SER	12	617	125	490	275	236	200	1954
	TOTAL	12	617	125	490	275	236	200	1954
NEB	NEB	2	35	1	2	10	.	.	50
	TOTAL	2	35	1	2	10	.	.	50
NFB	NFB	.	2	.	7	1	.	.	10
	TOTAL	.	2	.	7	1	.	.	10
NLIB	NLIB	11	210	54	53	221	.	.	549
	TOTAL	11	210	54	53	221	.	.	549
NMUS	NMUS	45	110	249	269	195	177	.	1045
	TOTAL	45	110	249	269	195	177	.	1045
NRC	NRC-SIR	8	1175	216	1012	493	294	.	3198
	NRC-STI	.	77	38	1	124	4	.	244
	TOTAL	8	1252	254	1013	617	298	.	3442
NSERC	NSERC	11	1	52	.	84	.	.	148
	TOTAL	11	1	52	.	84	.	.	148
PA	PA	9	109	12	76	89	.	.	295
	TOTAL	9	109	12	76	89	.	.	295
PW	PW-PTS	0	28	3	5	10	2	.	49
	TOTAL	0	28	3	5	10	2	.	49
RIE	RIE	.	4	141	.	62	1	.	208
	TOTAL	.	4	141	.	62	1	.	208
REV	REV-TAX	2	30	.	.	.	.	.	32
	TOTAL	2	30	.	.	.	.	.	32
SC	SC	6	18	24	4	16	.	.	68
	TOTAL	6	18	24	4	16	.	.	68
ST	ST	32	15	20	.	21	.	.	88
	TOTAL	32	15	20	.	21	.	.	88
SECS	SECS-ADM	1	5	1	1	2	.	.	10
	SECS-CIT	1	5	.	2	2	.	.	10
	SECS-ES	.	2	.	.	.	.	.	2
	SECS-OL	.	.	42	1	4	.	.	47
	TOTAL	2	12	43	4	8	.	.	69
SSHRC	SSHRC	11	2	45	.	49	.	.	107
	TOTAL	11	2	45	.	49	.	.	107
SGEN	SGEN-ADM	6	66	3	5	26	4	.	110
	TOTAL	6	66	3	5	26	4	.	110
STCAN	STCAN	91	856	8121	791	1885	36	.	4472

(CONTINUED)

TABLE 26-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: TOTAL
AND YEAR: 1985-86

DEPARTMENT:		CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
STCAN	TOTAL	91	856	812	791	1886	36	.	4472
SS	SS-SUPP	1	.	2	.	2	.	.	5
	TOTAL	1	.	2	.	2	.	.	5
TPT	TPT-ADM	3	41	11	5	19	1	.	80
	TPT-AIR	.	21	5	9	4	3	.	42
	TPT-MAR	.	27	12	2	3	.	.	44
	TPT-SUR	1	.	.	.	.	.	.	1
	TOTAL	4	89	28	16	26	4	.	168
TB	TB-ADM	50	18	128	3	37	.	.	236
	TOTAL	50	18	128	3	37	.	.	236
TOTAL	TOTAL	828	10817	3417	9271	7024	3624	200	35181

TABLE 27

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY PERFORMER

SCIENCE TYPE: NATURAL
AND ACTIVITY: TOTAL

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
INTRAMURAL	1607553	60	1901864	59	1955668	59
CANADIAN INDUSTRY	437035	16	629658	19	696677	21
CANADIAN UNIVERSITY	448266	17	495020	15	453253	14
CANADIAN N P INST	44101	2	37781	1	32956	1
PROV. MUN. GOVERNMENT	34349	1	38497	1	22466	1
FOREIGN PERFORMERS	85398	3	96652	3	115473	3
OTHER PERFORMERS	23449	1	31185	1	25841	1
TOTAL	2680151	100	3230657	100	3302334	100

TABLE 28-1

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

TOTAL ALL PROGRAMS

SCIENCE TYPE: NATURAL
AND YEAR 1983-84

	PERFORMER:								TOTAL (\$.000)
	INTRAMURAL (\$.000)	CANADIAN INDUSTRY (\$.000)	CANADIAN UNIVERSITY (\$.000)	CANADIAN N P INST (\$.000)	PROV. MUN. GOVERNMENT (\$.000)	FOREIGN PERFORMERS (\$.000)	OTHER PERFORMERS (\$.000)		
ACTIVITIES:									
IN-HOUSE R&D	786481	.	.	.	.	.	.	.	786481
R&D CONTRACTS	914	152780	29089	2318	1483	12302	13412	212298	
SUPPORTING CONTRACTS	46899	.	.	.	.	.	.	.	46899
R&D GRANTS	.	218574	366468	33698	2040	60009	4231	685020	
RESEARCH FELLOWSHIPS	2160	2346	13029	577	.	7215	150	25477	
ADMIN. EXTRAMURAL R&D	43195	.	.	.	.	.	.	.	43195
CAPITAL - R&D	219571	.	.	.	.	.	.	.	219571
SUB TOTAL R&D	1099220	373700	408586	36593	3523	79526	17793	2018941	
DATA COLLECTION	291878	13850	3633	2379	4199	710	2173	318822	
INFORMATION SERVICES	102616	1844	312	1485	5459	1243	1239	114198	
TESTING & STANDARDIZATION	38011	1712	258	153	96	107	371	40708	
FEASIBILITY STUDIES	6715	44493	607	175	17874	509	475	70848	
EDUCATIONAL SUPPORT	1797	1010	34404	2676	.	3303	942	44132	
MUSEUM SERVICES	16339	426	466	640	3198	.	456	21525	
ADMIN. EXTRAMURAL RSA	9525	.	.	.	.	.	.	9525	
CAPITAL-RSA	41452	.	.	.	.	.	.	41452	
SUB TOTAL RSA	508333	63335	39680	7508	30826	5872	5656	661210	
TOTAL	1607553	437035	448266	44101	34349	85398	23449	2680151	

TABLE 28-2

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

TOTAL, ALL PROGRAMS

SCIENCE TYPE: NATURAL
AND YEAR 1984-85

	PERFORMER:								TOTAL
	INTRAMURAL	CANADIAN INDUSTRY	CANADIAN UNIVERSITY	CANADIAN N P INST	PROV. MUN. GOVERNMENT	FOREIGN PERFORMERS	OTHER PERFORMERS		
	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	
ACTIVITIES:									
IN-HOUSE R&D	866614	.	.	.	.	.	.	.	866614
R&D CONTRACTS	910	212640	33551	2952	3123	16007	14159	283342	
SUPPORTING CONTRACTS	54686	.	.	.	.	.	.	.	54686
R&D GRANTS	.	321299	398838	25307	3181	65482	10319	824426	
RESEARCH FELLOWSHIPS	2628	3236	15323	715	.	8289	182	30373	
ADMIN. EXTRAMURAL R&D	53040	.	.	.	.	.	.	.	53040
CAPITAL - R&D	347195	.	.	.	.	.	.	.	347195
SUB TOTAL R&D	1325073	537175	447712	28974	6304	89778	24560	2459676	
DATA COLLECTION	314731	16543	3619	1894	5412	688	3273	346160	
INFORMATION SERVICES	113430	2242	222	2005	5868	1572	1836	127175	
TESTING & STANDARDIZATION	40074	8075	260	238	100	184	187	49118	
FEASIBILITY STUDIES	7522	63254	716	1409	13251	736	218	87106	
EDUCATIONAL SUPPORT	2008	1936	42016	2612	4318	3694	550	57134	
MUSEUM SERVICES	17211	433	475	649	3244	.	481	22473	
ADMIN. EXTRAMRAL RSA	11488	.	.	.	.	.	.	.	11488
CAPITAL-RSA	70327	.	.	.	.	.	.	.	70327
SUB TOTAL RSA	576791	92483	47308	8807	32193	6874	6525	770981	
TOTAL	1901864	629659	495020	37781	38497	96652	31185	3230657	

TABLE 28-3

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

TOTAL, ALL PROGRAMS

SCIENCE TYPE: NATURAL
AND YEAR 1985-86

	PERFORMER:							TOTAL (\$.000)
	INTRAMURAL (\$.000)	CANADIAN INDUSTRY (\$.000)	CANADIAN UNIVERSITY (\$.000)	CANADIAN P INST (\$.000)	PROV. MUN. GOVERNMENT (\$.000)	FOREIGN PERFORMERS (\$.000)	OTHER PERFORMERS (\$.000)	
ACTIVITIES:								
IN-HOUSE R&D	892607	.	.	.	.	.	.	892607
R&D CONTRACTS	970	199839	28466	2309	2540	16105	11957	262186
SUPPORTING CONTRACTS	78397	.	.	.	.	.	.	78397
R&D GRANTS	.	368430	363507	22534	4100	84829	7462	850862
RESEARCH FELLOWSHIPS	2661	3614	15223	499	.	7299	209	29505
ADMIN. EXTRAMURAL R&D	58455	.	.	.	.	.	.	58455
CAPITAL - R&D	307776	.	.	.	.	.	.	307776
SUB TOTAL R&D	1340866	571883	407196	25342	6640	108233	19628	2479788
DATA COLLECTION	325051	22919	3721	1762	5243	783	3047	362526
INFORMATION SERVICES	128828	2314	282	622	.	1647	1493	135186
TESTING & STANDAROIZATION	40878	9185	325	178	40	32	332	50970
FEASIBILITY STUDIES	6670	87834	603	1754	6999	762	87	104709
EDUCATIONAL SUPPORT	1983	2072	40614	2593	20	4016	755	52053
MUSEUM SERVICES	16910	470	512	705	3524	.	499	22629
ADMIN. EXTRAMRAL RSA	13254	.	.	.	.	.	.	13254
CAPITAL-RSA	81228	.	.	.	.	.	.	81228
SUB TDTAL RSA	614802	124794	46057	7614	15826	7240	6213	822546
TOTAL	1955668	696677	453253	32956	22466	115473	25841	3302334

TABLE 29

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND ACTIVITY: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PERFORMER:			PERFORMER:			PERFORMER:		
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-ADM	5729	.	5729	5781	.	5781	6148	.	6148
	AGR-CGC	4284	4	4288	4779	4	4783	6725	4	6729
	AGR-DEV	195870	22560	218430	231261	16642	247903	259901	12178	272079
	AGR-FOR	47580	17681	65261	50704	13885	64589	46485	15533	62018
	AGR-RI	21769	.	21769	27359	.	27359	38194	.	38194
	TOTAL	275232	40245	315477	319884	30531	350415	357453	27715	385168
AECB	AECB	637	1444	2081	745	2883	3628	803	3209	4012
	TOTAL	637	1444	2081	745	2883	3628	803	3209	4012
AECL	AECL	121763	16227	137990	129192	17212	146404	135080	17414	152494
	TOTAL	121763	16227	137990	129192	17212	146404	135080	17414	152494
CMHC	CMHC	3114	1761	4875	3720	4243	7963	3979	3555	7534
	TOTAL	3114	1761	4875	3720	4243	7963	3979	3555	7534
CDC	CDC	248	1544	1792	305	1903	2208	.	.	.
	TOTAL	248	1544	1792	305	1903	2208	.	.	.
CIDA	CIDA	819	41105	41924	946	45274	46220	929	49976	50905
	TOTAL	819	41105	41924	946	45274	46220	929	49976	50905
COMM	COMM-COMM	51384	30499	81883	70598	41132	111730	49475	38470	87945
	TOTAL	51384	30499	81883	70598	41132	111730	49475	38470	87945
CCA	CCA-COR	10841	.	10841	11537	.	11537	12635	.	12635
	TOTAL	10841	.	10841	11537	.	11537	12635	.	12635
EMR	EMR-MES	177231	29927	207158	215950	37160	253110	244168	52978	297146
	EMR-ENER	3333	45682	49015	3176	70568	73744	3177	89323	92500
	TOTAL	180564	75609	256173	219126	107728	326854	247345	142301	389546
ENV	ENV-AOM	423	61	484	585	84	669	598	99	697
	ENV-AES	176408	4068	180476	202762	4656	207418	216986	5111	222097
	ENV-ECS	63260	8979	72239	71817	8852	80469	69854	8634	78488
	ENV-EPS	7607	6790	14397	8180	5662	13842	7070	4430	11500
	ENV-PC	5509	876	6385	5842	931	6773	6190	941	7131
	TOTAL	253207	20774	273981	288986	20185	309171	300698	19215	319913
EA	EA-GO	60	1200	1260	60	2400	2460	60	2400	2460
	TOTAL	60	1200	1260	60	2400	2460	60	2400	2460
F&D	F&D-FM	195347	13831	209178	246380	15014	261394	252401	14653	257054
	TOTAL	195347	13831	209178	246380	15014	261394	252401	14653	257054
H&W	NHW-HP	51530	3170	54700	57380	2693	60073	57192	2204	59395
	NHW-HSS	648	10008	10656	788	11168	11955	820	11745	12565
	NHW-MS	2473	.	2473	3155	.	3155	3016	.	3016
	TOTAL	54651	13178	67829	61323	13861	75184	61028	13949	74977
INA	IAND-NA	1724	1373	3057	2453	2921	5374	2467	3255	5722

(CONTINUED)

TABLE 29

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND ACTIVITY: TOTAL

		YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	
DEPARTMENT:	PROGRAM:										
INA	TOTAL	1724	1373	3097	2453	2921	5374	2467	3255	5722	
IDRC	IDRC	5849	26868	32717	6962	31222	38184	8489	37218	45707	
	TOTAL	5849	26868	32717	6962	31222	38184	8489	37218	45707	
IJC	IJC	2880	106	2986	3226	158	3384	3257	190	3447	
	TOTAL	2880	106	2986	3226	158	3384	3257	190	3447	
MRC	MRC	3126	137313	140439	3779	153191	156970	3497	127086	130583	
	TOTAL	3126	137313	140439	3779	153191	156970	3497	127086	130583	
NCC	NCC	242	166	408	255	61	316	240	260	500	
	TOTAL	242	166	408	255	61	316	240	260	500	
NDEF	NDEF-SER	109008	48387	157395	121051	82913	203964	128276	100760	229036	
	TOTAL	109008	48387	157395	121051	82913	203964	128276	100760	229036	
NEB	NEB	562	.	562	543	.	543	655	.	655	
	TOTAL	562	.	562	543	.	543	655	.	655	
NFB	NFB	701	72	773	748	60	808	1126	300	1426	
	TOTAL	701	72	773	748	60	808	1126	300	1426	
NMUS	NMUS	21376	5277	26653	21681	5352	27033	22610	5814	28424	
	TOTAL	21376	5277	26653	21681	5352	27033	22610	5814	28424	
NRC	NRC-SIR	257151	124507	381658	320283	173921	494204	288339	141390	429729	
	NRC-STI	23427	78	23505	26929	78	27007	30023	78	30101	
	TOTAL	280578	124585	405163	347212	173999	521211	318362	141468	459830	
NSERC	NSERC	6567	275010	281577	9254	302643	311897	10802	284869	295671	
	TOTAL	6567	275010	281577	9254	302643	311897	10802	284869	295671	
PW	PW-PTS	4291	2812	7103	4252	3126	7378	2468	3521	5989	
	TOTAL	4291	2812	7103	4252	3126	7378	2468	3521	5989	
RIE	RIE	8716	153662	162378	12975	224749	237724	15624	261923	277547	
	TOTAL	8716	153662	162378	12975	224749	237724	15624	261923	277547	
RCMP	RCMP	40	316	356	45	382	427	60	540	600	
	TOTAL	40	316	356	45	382	427	60	540	600	
ST	ST	.	2047	2047	.	1895	1895	.	2124	2124	
	TOTAL	.	2047	2047	.	1895	1895	.	2124	2124	
SS	SS-SUPP	149	14509	14658	158	14520	14678	166	14500	14666	
	TOTAL	149	14509	14658	158	14520	14678	166	14500	14666	
TPT	TPT-AOM	5547	18248	23795	5401	21264	26665	6237	21465	27702	
	TPT-AIR	3948	188	4136	4220	888	5108	4005	1755	5770	
	TPT-MAR	4352	3860	8212	4807	6766	11573	5401	6499	11900	
	TPT-SUR	30	382	412	40	317	357	40	252	230	
	TOTAL	13877	22678	36555	14468	29235	43703	15683	29981	45664	
TOTAL	TOTAL	1607553	1072598	2680151	1901854	1328793	3230657	1955668	1346666	3302334	

TABLE 30

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-ADM	.	5729	5729	.	5781	5781	.	6148	6148
	AGR-CGC	2129	2159	4288	2394	2389	4783	3600	3129	6729
	AGR-DEV	212917	5513	218430	246798	1105	247903	270980	1099	272079
	AGR-FOR	59735	5526	65261	60197	4392	64589	57609	4409	62018
	AGR-RI	6390	15379	21769	6917	20442	27359	7839	30355	38194
	TOTAL	281171	34306	315477	316306	34109	350415	340028	45140	385168
AECB	AECB	1991	90	2081	3378	250	3628	3724	288	4012
	TOTAL	1991	90	2081	3378	250	3628	3724	288	4012
AECL	AECL	120675	17315	137990	127846	18558	146404	132951	19543	152494
	TOTAL	120675	17315	137990	127846	18558	146404	132951	19543	152494
CMHC	CMHC	2624	2251	4875	5259	2704	7963	5065	2469	7534
	TOTAL	2624	2251	4875	5259	2704	7963	5065	2469	7534
CDC	CDC	1792	.	1792	2208	.	2208	.	.	.
	TOTAL	1792	.	1792	2208	.	2208	.	.	.
CIDA	CIDA	13267	28657	41924	12700	33520	46220	13132	37773	50905
	TOTAL	13267	28657	41924	12700	33520	46220	13132	37773	50905
COMM	COMM-COMM	80580	1303	81883	105266	6464	111730	83409	4536	87945
	TOTAL	80580	1303	81883	105266	6464	111730	83409	4536	87945
CCA	CCA-COR	.	10841	10841	.	11537	11537	.	12635	12635
	TOTAL	.	10841	10841	.	11537	11537	.	12635	12635
EMR	EMR-MES	150358	56800	207158	189208	63902	253110	215924	81222	287146
	EMR-ENER	28731	20284	49015	44985	28759	73744	51910	40590	92500
	TOTAL	179089	77084	256173	234193	92661	326854	267834	121812	389646
ENV	ENV-ADM	343	141	484	541	128	669	511	186	697
	ENV-AES	26407	154069	180476	33773	173645	207418	38536	183561	222097
	ENV-ECS	22387	49852	72239	24915	55554	80469	24326	54162	78488
	ENV-EPS	10407	3990	14397	10178	3664	13842	8075	3425	11500
	ENV-PC	585	5800	6385	627	6146	6773	663	6468	7131
	TOTAL	60129	213852	273981	70034	239137	309171	72111	247802	319913
EA	EA-GO	1260	.	1260	2460	.	2460	2460	.	2460
	TOTAL	1260	.	1260	2460	.	2460	2460	.	2460
F&O	F&O-FM	127608	81570	209178	155785	105609	251394	159939	107115	267054
	TOTAL	127608	81570	209178	155785	105609	251394	159939	107115	267054
H&W	NHW-HP	14057	40643	54700	13983	46090	60073	14121	45275	55396
	NHW-HSS	7359	3297	10656	7951	4005	11956	8307	4258	12565
	NHW-MS	2473	.	2473	3155	.	3155	3016	.	3016
	TOTAL	23888	43940	67829	25089	50095	75184	25444	49533	74977
INA	IAND-NA	2628	469	3097	4448	926	5374	4583	1139	5722

(CONTINUED)

TABLE 30

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: TOTAL

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
INA	TOTAL	2628	469	3097	4448	926	5374	4583	1139	5722
IDRC	IDRC	30929	1788	32717	35672	2512	38184	43130	2577	45707
	TDTAL	30929	1788	32717	35672	2512	38184	43130	2577	45707
IJC	IJC	.	2986	2986	.	3384	3384	.	3447	3447
	TOTAL	.	2986	2986	.	3384	3384	.	3447	3447
MRC	MRC	135746	4693	140439	151125	5845	156970	125910	4673	130583
	TOTAL	135746	4693	140439	151125	5845	156970	125910	4673	130583
NCC	NCC	.	408	408	.	316	316	.	500	500
	TOTAL	.	408	408	.	316	316	.	500	500
NOEF	NOEF-SER	156043	1352	157395	202339	1625	203964	227221	1815	229036
	TOTAL	156043	1352	157395	202339	1625	203964	227221	1815	229036
NEB	NEB	.	562	562	.	543	543	.	655	655
	TOTAL	.	562	562	.	543	543	.	655	655
NFB	NFB	551	222	773	383	425	808	1001	425	1426
	TOTAL	551	222	773	383	425	808	1001	425	1426
NMUS	NMUS	2545	24108	26653	2259	24774	27033	2812	25612	28424
	TOTAL	2545	24108	26653	2259	24774	27033	2812	25612	28424
NRC	NRC-SIR	355717	25941	381658	466618	27586	494204	401170	28559	429729
	NRC-STI	.	23505	23505	.	27007	27007	.	30101	30101
	TOTAL	355717	49446	405163	466618	54593	521211	401170	58660	459830
NSERC	NSERC	248197	33380	281577	270306	41591	311897	255167	40504	295671
	TOTAL	248197	33380	281577	270306	41591	311897	255167	40504	295671
PW	PW-PTS	3411	3692	7103	3809	3569	7378	3957	2032	5989
	TOTAL	3411	3692	7103	3809	3569	7378	3957	2032	5989
RIE	RIE	145160	17218	162378	216095	21629	237724	260218	17329	277547
	TOTAL	145160	17218	162378	216095	21629	237724	290218	17329	277547
RCMP	RCMP	349	7	356	419	8	427	592	8	600
	TOTAL	349	7	356	419	8	427	592	8	600
ST	ST	2047	.	2047	1895	.	1895	2124	.	2124
	TOTAL	2047	.	2047	1895	.	1895	2124	.	2124
SS	SS-SUPP	11083	3575	14658	11096	3582	14678	11125	3541	14665
	TOTAL	11083	3575	14658	11096	3582	14678	11125	3541	14665
TPT	TPT-AOM	21207	2588	23795	21100	5565	26665	21758	5944	27702
	TPT-AIR	871	3265	4136	894	4214	5108	1918	3852	5770
	TPT-MAR	7970	242	8212	10337	1236	11573	10713	1187	11800
	TPT-SUR	412	.	412	357	.	357	292	.	292
	TOTAL	30460	6095	36555	32688	11015	43703	34681	10983	45664
TOTAL	TOTAL	2018941	661210	2680151	2459675	770981	3230657	2479789	822546	3302334

TABLE 31

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: INTRAMURAL

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
AGR	AGR-ADM		5729	5729		5781	5781		6148	6148
	AGR-CGC	2129	2155	4284	2394	2385	4779	3600	3125	6725
	AGR-DEV	191075	4795	195870	230340	921	231261	258993	908	259901
	AGR-FOR	42859	4721	47580	47093	3611	50704	43048	3437	46485
	AGR-RI	6390	15379	21769	6917	20442	27359	7839	30355	38194
	TOTAL	242453	32779	275232	286744	33140	319884	313480	43973	357453
AECB	AECB	615	-22	637	723	22	745	776	27	803
	TOTAL	615	22	637	723	22	745	776	27	803
AECL	AECL	113074	8689	121763	120185	9007	129192	125410	9670	135080
	TOTAL	113074	8689	121763	120185	9007	129192	125410	9670	135080
CMHC	CMHC	2024	1090	3114	2410	1310	3720	2575	1404	3979
	TOTAL	2024	1090	3114	2410	1310	3720	2575	1404	3979
CDC	CDC	248	-	248	305	-	305	-	-	-
	TOTAL	248	-	248	305	-	305	-	-	-
CIDA	CIDA	213	606	819	246	700	946	242	687	929
	TOTAL	213	606	819	246	700	946	242	687	929
COMM	CDMM-COMM	50950	434	51384	70238	360	70598	49214	261	49475
	TOTAL	50950	434	51384	70238	360	70598	49214	261	49475
CCA	CCA-COR	-	10841	10841	-	11537	11537	-	12635	12635
	TOTAL	-	10841	10841	-	11537	11537	-	12635	12635
EMR	EMR-MES	127596	49635	177231	160734	55216	215950	177479	66689	244158
	EMR-ENER	2022	1311	3333	2279	897	3176	2646	531	3177
	TOTAL	129618	50946	180564	163013	56113	219126	180125	57220	247345
ENV	ENV-ADM	343	80	423	501	84	585	511	87	598
	ENV-AES	25299	151109	176408	32516	170246	202762	37144	179842	216986
	ENV-ECS	20476	42784	63260	23068	485491	71617	22520	47334	69854
	ENV-EPS	3976	3631	7607	4803	3377	8180	3925	3145	7070
	ENV-PC	-	5509	5509	-	5842	5842	-	6190	6190
	TOTAL	50094	203113	253207	60888	228098	288986	64100	236598	300698
EA	EA-GO	60	-	60	60	-	60	60	-	60
	TOTAL	60	-	60	60	-	60	60	-	60
F&O	F&O-FM	117027	78320	195347	144273	102107	246380	148725	103676	252401
	TOTAL	117027	78320	195347	144273	102107	246380	148725	103675	252401
H&W	NHW-HP	12445	39085	51530	13123	44257	57380	13286	43906	57192
	NHW-HSS	388	260	648	469	319	788	477	343	820
	NHW-MS	2473	-	2473	3155	-	3155	3016	-	3016
	TOTAL	15306	39345	54651	16747	44576	61323	16779	44249	51028
I&A	IAND-NA	1454	270	1724	1963	490	2453	1927	540	2467

(CONTINUED)

TABLE 31

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: INTRAMURAL

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
INA	TOTAL	1454	270	1724	1963	490	2453	1927	540	2467
IDRC	IDRC	5488	361	5849	6473	489	6962	7979	510	8489
	TOTAL	5488	361	5849	6473	489	6962	7979	510	8489
IJC	IJC	.	2880	2880	.	3226	3226	.	3257	3257
	TOTAL	.	2880	2880	.	3226	3226	.	3257	3257
MRC	MRC	3024	102	3126	3628	151	3779	3358	139	3497
	TOTAL	3024	102	3126	3628	151	3779	3358	139	3497
NCC	NCC	.	242	242	.	255	255	.	240	240
	TOTAL	.	242	242	.	255	255	.	240	240
NDEF	NDEF-SER	107656	1352	109008	119426	1625	121051	126461	1815	128278
	TOTAL	107656	1352	109008	119426	1625	121051	126461	1815	128276
NEB	NEB	.	562	562	.	543	543	.	655	655
	TOTAL	.	562	562	.	543	543	.	655	655
NFB	NFB	479	222	701	323	425	748	701	425	1126
	TOTAL	479	222	701	323	425	748	701	425	1126
NMUS	NMUS	2385	18991	21376	2097	19584	21681	2636	19974	22510
	TOTAL	2385	18991	21376	2097	19584	21681	2636	19974	22510
NRC	NRC-SIR	232236	24915	257151	294149	26134	320283	260280	28059	288339
	NRC-STI	.	23427	23427	.	26929	26929	.	30023	30023
	TOTAL	232236	48342	280578	294149	53063	347212	260280	58082	318362
NSERC	NSERC	5786	781	6567	7958	1296	9254	9344	1458	10802
	TOTAL	5786	781	6567	7958	1296	9254	9344	1458	10802
PW	PW-PTS	1511	2780	4291	1637	2615	4252	1329	1139	2468
	TOTAL	1511	2780	4291	1637	2615	4252	1329	1139	2468
RIE	RIE	8716	.	8716	12975	.	12975	15624	.	15624
	TOTAL	8716	.	8716	12975	.	12975	15624	.	15624
RCMP	RCMP	40	.	40	45	.	45	60	.	60
	TOTAL	40	.	40	45	.	45	60	.	60
SS	SS-SUPP	113	36	149	119	39	158	125	41	166
	TOTAL	113	36	149	119	39	158	125	41	166
TPT	TPT-ADM	3711	1836	5547	3156	2245	5401	3397	2840	6237
	TPT-AIR	752	3196	3948	445	3775	4220	718	3287	4005
	TPT-MAR	4157	195	4352	4807	.	4807	5401	.	5401
	TPT-SUR	30	.	30	40	.	40	40	.	40
	TOTAL	8650	5227	13877	8448	6020	14468	3556	6127	15683
TOTAL	TOTAL	1099200	508333	1607553	1326073	576791	1901854	1340866	614802	1955668

TABLE 32

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN INDUSTRY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	4916	102	5018	6480	151	6631	4640	157	4797
	AGR-FDR	12939	307	13246	8879	110	8989	10135	111	10247
	TOTAL	17855	409	18264	15359	261	15620	14775	268	15044
AECB	AECB	774	17	791	1811	159	1970	2007	195	2202
	TOTAL	774	17	791	1811	159	1970	2007	195	2202
AECL	AECL	4666	8517	13183	4999	9451	14450	4726	9768	14494
	TOTAL	4666	8517	13183	4999	9451	14450	4726	9768	14494
CMHC	CMHC	169	592	761	2140	946	3086	1872	828	2700
	TOTAL	169	592	761	2140	946	3086	1872	828	2700
COC	COC	509	-	509	626	-	626	-	-	-
	TOTAL	509	-	509	626	-	626	-	-	-
CIDA	CIDA	-	27266	27266	-	31901	31901	-	36048	36048
	TOTAL	-	27266	27266	-	31901	31901	-	36048	36048
COMM	CDMM-COMM	13120	844	13964	19158	6079	25237	14045	4250	18295
	TOTAL	13120	844	13964	19158	6079	25237	14045	4250	18295
EMR	EMR-MES	11739	6541	18280	14033	8152	22185	14398	14003	28401
	EMR-ENER	21270	3541	24811	34193	12780	46973	40798	35460	76258
	TOTAL	33009	10082	43091	48226	20932	69158	55196	49463	104659
ENV	ENV-ADM	-	46	46	40	42	82	-	82	82
	ENV-AES	-	680	680	-	748	748	-	823	823
	ENV-ECS	633	736	1369	294	942	1236	286	918	1204
	ENV-EPS	4771	309	5080	4419	240	4659	3260	235	3495
	ENV-PC	260	260	520	278	272	550	294	245	539
	TOTAL	5664	2031	7695	5031	2244	7275	3840	2303	6143
EA	EA-GO	800	-	800	2000	-	2000	2000	-	2000
	TOTAL	800	-	800	2000	-	2000	2000	-	2000
F&C	F&D-FM	6156	2456	8612	7028	2694	9722	6806	2592	9398
	TOTAL	6156	2456	8612	7028	2694	9722	6806	2592	9398
H&W	NHW-HP	500	460	960	500	505	1005	480	850	1330
	NHW-HSS	231	59	290	199	21	220	220	22	242
	TOTAL	731	519	1250	699	526	1225	700	872	1572
INA	IANO-NA	359	96	455	1237	-	1237	1173	60	1233
	TOTAL	359	96	455	1237	-	1237	1173	60	1233
IJC	IJC	-	34	34	-	58	58	-	70	70
	TOTAL	-	34	34	-	58	58	-	70	70
NCC	NCC	-	29	29	-	22	22	-	260	260
	TOTAL	-	29	29	-	22	22	-	260	260
NDEF	NDEF-SER	37933	-	37933	71990	-	71990	89641	-	89641

(CONTINUED)

TABLE 32

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN INDUSTRY

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
NDEF	TOTAL	37933	.	37933	71990	.	71990	89641	.	89641
NFB	NFB	46	.	46	60	.	60	300	.	300
	TOTAL	46	.	46	60	.	60	300	.	300
NMUS	NMUS	.	426	426	.	433	433	.	470	470
	TOTAL	.	426	426	.	433	433	.	470	470
NRC	NRC-SIR	80995	541	81536	115448	764	116212	90123	264	90387
	TOTAL	80995	541	81536	115448	764	116212	90123	264	90387
NSERC	NSERC	2346	949	3295	3236	1817	5053	3614	2032	5646
	TOTAL	2346	949	3295	3236	1817	5053	3614	2032	5546
PW	PW-PTS	1614	612	2226	2091	696	2787	2278	419	2697
	TOTAL	1614	612	2226	2091	696	2787	2278	419	2697
RIE	RIE	136444	4220	140664	203120	6282	209402	244594	7565	252159
	TOTAL	136444	4220	140664	203120	6282	209402	244594	7565	252159
RCMP	RCMP	309	.	309	374	.	374	532	.	532
	TOTAL	309	.	309	374	.	374	532	.	532
SS	SS-SUPP	10073	2964	13037	10267	2545	12812	10280	2695	12975
	TOTAL	10073	2964	13037	10267	2545	12812	10280	2695	12975
TPT	TPT-ADM	16099	626	16725	16101	3027	19128	16908	2665	19573
	TPT-AIR	119	69	188	419	410	829	1000	520	1520
	TPT-MAR	3570	36	3606	5480	1236	6716	5252	1187	6449
	TPT-SUR	340	.	340	275	.	275	210	.	210
	TOTAL	20128	731	20859	22275	4673	26948	23380	4372	27752
TOTAL	TOTAL	373700	63335	437035	537175	92483	629658	571883	124794	696677

TABLE 33

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN UNIVERSITY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	5725	15	5740	7288	22	7310	5116	23	5139
	AGR-FOR	2790	.	2790	3438	.	3438	3911	.	3911
	TOTAL	8515	15	8530	10726	22	10748	9027	23	9050
AECB	AECB	210	.	210	266	14	280	307	16	323
	TOTAL	210	.	210	266	14	280	307	16	323
AECL	AECL	2276	109	2385	2014	100	2114	2128	105	2233
	TOTAL	2276	109	2385	2014	100	2114	2128	105	2233
CMHC	CMHC	42	150	192	56	300	356	50	100	150
	TOTAL	42	150	192	56	300	356	50	100	150
COC	COC	448	.	448	552	.	552	.	.	.
	TOTAL	448	.	448	552	.	552	.	.	.
CIDA	CIDA	.	785	785	.	919	919	.	1038	1038
	TOTAL	.	785	785	.	919	919	.	1038	1038
COMM	COMM-COMM	127	25	152	1150	25	1175	1150	25	1175
	TOTAL	127	25	152	1150	25	1175	1150	25	1175
EMR	EMR-MES	5295	262	5557	5107	204	5311	4873	165	5038
	EMR-ENER	1581	.	1581	1650	.	1650	1334	.	1334
	TOTAL	6876	262	7138	6757	204	6961	6207	165	6372
ENV	ENV-ADM	.	.	.	.	2	2	.	2	2
	ENV-AES	767	21	788	917	12	929	1006	12	1018
	ENV-ECS	525	459	984	1030	178	1208	1010	174	1184
	ENV-EPS	578	.	578	371	.	371	380	.	380
	ENV-PC	25	5	30	25	5	30	25	5	30
	TOTAL	1895	485	2380	2343	197	2540	2421	193	2614
F&O	F&O-FM	3559	287	3846	3597	288	3885	3518	285	3803
	TOTAL	3559	287	3846	3597	288	3885	3518	285	3803
H&W	NHW-HP	100	157	257	100	240	340	99	291	390
	NHW-HSS	4146	2282	6428	4438	2553	6991	4650	2643	7293
	TOTAL	4246	2439	6685	4538	2793	7331	4749	2934	7683
INA	IANO-NA	793	5	798	923	.	923	701	.	701
	TOTAL	793	5	798	923	.	923	701	.	701
IORC	IORC	737	.	737	999	.	999	1527	.	1527
	TOTAL	737	.	737	999	.	999	1527	.	1527
IJC	IJC	.	2	2	.	.	.	.	.	.
	TOTAL	.	2	2	.	.	.	.	.	.
MRC	MRC	109511	3987	113498	121675	4575	126251	101756	3739	105495
	TOTAL	109511	3987	113498	121576	4575	126251	101756	3739	105495
NCC	NCC	.	121	121	.	28	28	.	.	.

(CONTINUED)

TABLE 33

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN UNIVERSITY

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
NCC	TOTAL		121	121		28	28			
NDEF	NDEF-SER	5748	.	5748	5281	.	5281	5597	.	5597
	TOTAL	5748	.	5748	5281	.	5281	5597	.	5597
NMUS	NMUS	.	426	426	.	433	433	.	470	470
	TOTAL	.	426	426	.	433	433	.	470	470
NRC	NRC-SIR	26493	375	26868	30526	532	31058	28956	183	29139
	TOTAL	26493	375	26868	30526	532	31058	28956	183	29139
NSERC	NSERC	295091	27571	262662	254887	33856	288743	237383	33287	270670
	TOTAL	295091	27571	262662	254887	33856	288743	237383	33287	270670
PW	PW-PTS	177	.	177	72	.	72	310	110	420
	TOTAL	177	.	177	72	.	72	310	110	420
RIE	RIE	.	2032	2032	.	2500	2500	.	2500	2500
	TOTAL	.	2032	2032	.	2500	2500	.	2500	2500
SS	SS-SUPP	693	532	1225	400	360	780	410	600	1010
	TOTAL	693	532	1225	400	360	780	410	600	1010
TPT	TPT-ADM	1073	61	1134	873	133	1006	923	239	1162
	TPT-AIR	.	.	.	.	29	29	.	45	45
	TPT-MAR	50	11	61	50	.	50	50	.	50
	TPT-SUR	26	.	26	26	.	26	26	.	26
	TOTAL	1149	72	1221	949	162	1111	999	284	1283
TOTAL	TOTAL	408586	39680	448266	447712	47308	495020	407196	46057	453253

TABLE 34

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN N P INST

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	9408	.	9408	442	.	442	325	.	325
	AGR-FOR	228	.	228	150	.	150	162	.	162
	TOTAL	9636	.	9636	592	.	592	487	.	487
AECB	AECB	.	2	2	.	3	3	.	3	3
	TOTAL	.	2	2	.	3	3	.	3	3
AECL	AECL	17	.	17	236	.	236	253	.	253
	TOTAL	17	.	17	236	.	236	253	.	253
CMHC	CMHC	231	.	231	141	.	141	125	.	125
	TOTAL	231	.	231	141	.	141	125	.	125
COC	COC	587	.	587	725	.	725	.	.	.
	TOTAL	587	.	587	725	.	725	.	.	.
EMR	EMR-MES	291	.	291	295	.	295	447	.	447
	EMR-ENER	10	198	208	10	1885	1885	.	2189	2189
	TOTAL	301	198	499	305	1885	2190	447	2189	2636
ENV	ENV-AES	36	16	52	40	16	56	40	20	60
	ENV-ECS	157	1528	1685	52	25	77	51	24	75
	ENV-EPS	309	.	309	99	.	99	100	.	100
	TOTAL	502	1544	2046	191	41	232	191	44	235
EA	EA-GO	400	.	400	400	.	400	400	.	400
	TOTAL	400	.	400	400	.	400	400	.	400
F&O	F&O-FM	142	.	142	133	.	133	141	53	194
	TOTAL	142	.	142	133	.	133	141	53	194
H&W	NHW-HP	55	183	238	55	250	305	53	81	134
	NHW-HSS	2437	696	3133	2664	1112	3776	2760	1230	3990
	TOTAL	2492	879	3371	2719	1362	4081	2813	1311	4124
INA	IANO-NA	.	98	98	82	.	82	422	.	422
	TOTAL	.	98	98	82	.	82	422	.	422
IDRC	IDRC	30	.	30	15	.	15	28	.	28
	TOTAL	30	.	30	15	.	15	28	.	28
MRC	MRC	18783	322	19105	20603	352	20955	17312	333	17545
	TOTAL	18783	322	19105	20603	352	20955	17312	333	17645
NMUS	NMUS	.	640	640	.	649	649	.	705	705
	TOTAL	.	640	640	.	649	649	.	705	705
NRC	NRC-SIR	585	.	585	263	.	263	240	.	240
	NRC-STI	.	78	78	.	78	78	.	78	78
	TOTAL	585	78	563	263	78	341	240	78	318
NSERC	NSERC	2693	1087	3780	1733	1290	3023	1802	111	1913
	TOTAL	2693	1087	3780	1733	1290	3023	1802	111	1913

(CONTINUED)

TABLE 34

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN N P INST

DEPARTMENT: PROGRAM:		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
PW	PW-PTS	.	20	20	.	32	32	40	32	72
	TOTAL	.	20	20	.	32	32	40	32	72
RIE	RIE	.	2579	2579	.	2500	2500	.	2500	2500
	TOTAL	.	2579	2579	.	2500	2500	.	2500	2500
SS	SS-SUPP	58	-	58	310	530	840	310	175	485
	TOTAL	58	-	58	310	530	840	310	175	485
TPT	TPT-ADM	120	61	181	510	85	595	315	80	395
	TPT-SUR	16	.	16	16	.	16	16	.	16
	TOTAL	136	61	197	526	85	611	331	80	411
	TOTAL	36593	7508	44101	28974	8807	37781	25342	7614	32956

TABLE 35

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: PROV. MUN. GOVERNMENT

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	21	-	21	29	-	29	20	-	20
	AGR-FOR	247	-	247	103	-	103	108	-	108
	TOTAL	268	-	268	132	-	132	128	-	128
AECB	AECB	22	-	22	132	-	132	165	-	165
	TOTAL	22	-	22	132	-	132	165	-	165
CMHC	CMHC	68	21	89	56	-	56	48	-	48
	TOTAL	68	21	89	56	-	56	48	-	48
EMR	EMR-MES	-	-	-	885	-	885	1196	-	1196
	EMR-ENER	1816	15036	16852	3000	13197	16197	3900	2410	6310
	TOTAL	1816	15036	16852	3885	13197	17082	5096	2410	7506
ENV	ENV-ECS	-	3970	3970	138	5119	5257	135	4990	5125
	ENV-EPS	-	-	-	74	-	74	60	-	60
	TOTAL	-	3970	3970	212	5119	5331	195	4990	5185
H&W	NHW-HP	30	176	206	30	232	262	30	40	70
	NHW-HSS	157	-	157	181	-	181	200	20	220
	TOTAL	187	176	363	211	232	443	230	60	290
NMUS	NMUS	-	3198	3198	-	3244	3244	-	3524	3524
	TOTAL	-	3198	3198	-	3244	3244	-	3524	3524
NRC	NRC-SIR	1067	38	1105	1626	54	1680	728	18	746
	TOTAL	1067	38	1105	1626	54	1680	728	18	746
PW	PW-PTS	-	-	-	-	-	-	-	60	60
	TOTAL	-	-	-	-	-	-	-	60	60
RIE	RIE	-	8387	8387	-	10347	10347	-	4764	4764
	TOTAL	-	8387	8387	-	10347	10347	-	4764	4764
TPT	TPT-ADM	95	-	95	50	-	50	50	-	50
	TOTAL	95	-	95	50	-	50	50	-	50
TOTAL	TOTAL	3523	30826	34349	6304	32193	38497	6640	15826	22466

TABLE 36

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: FOREIGN PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
AGR	AGR-CGC	.	4	4	.	4	4	.	4	4
	AGR-DEV	656	-	656	698	-	698	841	-	841
	AGR-FDR	140	-	140	244	-	244	244	-	244
	TOTAL	796	4	800	942	4	946	1085	4	1089
AECB	AECB	370	5	375	446	5	451	469	7	476
	TOTAL	370	5	375	446	5	451	469	7	476
AECL	AECL	427	-	427	412	-	412	434	-	434
	TOTAL	427	-	427	412	-	412	434	-	434
CMHC	CMHC	.	50	50	.	50	50	.	50	50
	TOTAL	.	50	50	.	50	50	.	50	50
CIDA	CIDA	13054	-	13054	12454	-	12454	12890	-	12890
	TOTAL	13054	-	13054	12454	-	12454	12890	-	12890
COMM	COMM-COMM	14883	-	14883	14720	-	14720	19000	-	19000
	TOTAL	14883	-	14883	14720	-	14720	19000	-	19000
EMR	EMR-MES	2376	327	2703	4748	275	5023	13489	320	13808
	EMR-ENER	86	-	86	300	-	300	300	-	300
	TOTAL	2462	327	2789	5048	275	5323	13789	320	14109
ENV	ENV-AES	114	656	770	100	702	802	100	798	898
	ENV-ECS	12	63	75	22	39	61	21	38	59
	ENV-EPS	207	-	207	18	-	18	10	-	10
	TOTAL	333	719	1052	140	741	881	131	836	967
F&O	F&D-FM	32	177	209	32	177	209	32	170	202
	TOTAL	32	177	209	32	177	209	32	170	202
H&W	NHW-HP	857	44	901	105	50	155	100	50	150
	TOTAL	857	44	901	105	50	155	100	50	150
IDRC	IDRC	24524	1367	25891	28003	1951	29954	33387	1984	35371
	TOTAL	24524	1367	25891	28003	1951	29954	33387	1984	35371
IJC	IJC	.	47	47	.	60	60	.	70	70
	TOTAL	.	47	47	.	60	60	.	70	70
MRC	MRC	4428	33	4461	5218	35	5253	3484	33	3517
	TOTAL	4428	33	4461	5218	35	5253	3484	33	3517
NOEF	NOEF-SER	3929	-	3929	5331	-	5331	5235	-	5235
	TOTAL	3929	-	3929	5331	-	5331	5235	-	5235
NFB	NFB	21	-	21	.	-	-	.	-	-
	TOTAL	21	-	21	.	-	-	.	-	-
NRC	NRC-SIR	8802	-	8802	12195	-	12195	12734	-	12734
	TOTAL	8802	-	8802	12195	-	12195	12734	-	12734
NSERC	NSERC	2281	2992	5273	2492	3332	5824	3024	3616	6640

(CONTINUED)

TABLE 36

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: FOREIGN PERFORMERS

DEPARTMENT: PROGRAM:		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
NSERC	TOTAL	2281	2992	5273	2492	3332	5824	3024	3616	6640
PW	PW-PTS	9	103	112	9	179	188	.	40	40
	TOTAL	9	103	112	9	179	188	.	40	40
ST	ST	2047	.	2047	1895	.	1895	2124	.	2124
	TOTAL	2047	.	2047	1895	.	1895	2124	.	2124
TPT	TPT-ADM	78	4	82	306	15	321	115	60	175
	TPT-AIR	.	.	.	30	.	30	200	.	200
	TPT-MAR	193	.	193	.	.	.	.	.	.
	TOTAL	271	4	275	336	15	351	315	60	375
TOTAL	TOTAL	79526	5872	85398	89778	8874	96652	108233	7240	115473

TABLE 37

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: OTHER PERFORMERS

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TDTAL	R&D	RSA	TDTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-OEV	1115	601	1717	1521	11	1532	1045	11	1056
	AGR-FOR	532	498	1030	290	671	961	.	861	861
	TOTAL	1648	1099	2747	1811	682	2493	1045	872	1917
AECB	AECB	.	44	44	.	47	47	.	40	40
	TOTAL	.	44	44	.	47	47	.	40	40
AECL	AECL	215	.	215	.	.	.	.	.	.
	TOTAL	215	.	215	.	.	.	.	.	.
CMHC	CMHC	90	348	438	456	98	554	395	87	482
	TOTAL	90	348	438	456	98	554	395	87	482
COMM	COMM-COMM	1500	.	1500	.	.	.	.	.	.
	TOTAL	1500	.	1500	.	.	.	.	.	.
EMR	EMR-MES	3061	35	3096	3406	55	3461	4042	45	4087
	EMR-ENER	1946	198	2144	3553	.	3553	2932	.	2932
	TOTAL	5007	233	5240	6959	55	7014	6974	45	7019
ENV	ENV-ADM	.	15	15	.	.	.	.	15	15
	ENV-AES	191	1587	1778	200	1921	2121	246	2066	2312
	ENV-ECS	584	312	896	311	702	1013	303	684	987
	ENV-EPS	566	50	616	394	47	441	340	45	385
	ENV-PC	300	26	326	324	27	351	344	28	372
	TOTAL	1641	1990	3631	1229	2697	3926	1233	2838	4071
F&O	F&O-FM	692	330	1022	722	343	1065	717	339	1056
	TOTAL	692	330	1022	722	343	1065	717	339	1056
H&W	NHW-HP	70	538	608	70	556	626	73	57	130
	TOTAL	70	538	608	70	556	626	73	57	130
INA	IANO-NA	22	.	22	243	436	679	360	539	899
	TOTAL	22	.	22	243	436	679	360	539	899
IDRC	IDRC	150	60	210	182	72	254	209	83	292
	TOTAL	150	60	210	182	72	254	209	83	292
IJC	IJC	.	23	23	.	40	40	.	50	50
	TOTAL	.	23	23	.	40	40	.	50	50
MRC	MRC	.	249	249	.	732	732	.	429	429
	TOTAL	.	249	249	.	732	732	.	429	429
NCC	NCC	.	16	16	.	11	11	.	.	.
	TOTAL	.	16	15	.	11	11	.	.	.
NDEF	NDEF-SER	777	.	777	311	.	311	287	.	287
	TOTAL	777	.	777	311	.	311	287	.	287
NFB	NFB	5	.	5	.	.	.	.	.	.
	TOTAL	5	.	5	.	.	.	.	.	.

(CONTINUED)

TABLE 37

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: OTHER PERFORMERS

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
NMUS	NMUS	160	427	587	162	431	593	176	469	645
	TOTAL	160	427	587	162	431	593	176	469	645
NRC	NRC-SIR	5539	72	5611	12411	102	12513	8109	35	8144
	TOTAL	5539	72	5611	12411	102	12513	8109	35	8144
PW	PW-PTS	100	177	277	-	47	47	-	232	232
	TOTAL	100	177	277	-	47	47	-	232	232
RCMP	RCMP	-	7	7	-	8	8	-	8	8
	TOTAL	-	7	7	-	8	8	-	8	8
SS	SS-SUPP	146	43	189	-	108	108	-	30	30
	TOTAL	146	43	189	-	108	108	-	30	30
TPT	TPT-ADM	31	-	31	104	60	164	50	60	110
	TOTAL	31	-	31	104	60	164	50	60	110
TOTAL	TOTAL	17793	5656	23449	24660	6525	31185	19628	6213	25841

TABLE 38

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY PERFORMER

SCIENCE TYPE: NATURAL
AND ACTIVITY: R&D

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$,000)		(\$,000)		(\$,000)	
	\$	%	\$	%	\$	%
INTRAMURAL	1099220	54	1325073	54	1340866	54
CANADIAN INDUSTRY	373700	19	537175	22	571883	23
CANADIAN UNIVERSITY	408586	20	447712	18	407196	16
CANADIAN N P INST	36593	2	28974	1	25342	1
PROV. MUN. GOVERNMENT	3523	0	6304	0	6640	0
FOREIGN PERFORMERS	79526	4	89778	4	108233	4
OTHER PERFORMERS	17793	1	24660	1	19628	1
TOTAL	2018941	100	2459676	100	2479788	100

TABLE 39

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND ACTIVITY: R&D

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PERFORMER:			PERFORMER:			PERFORMER:		
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-CGC	2129	.	2129	2394	.	2394	3500	.	3600
	AGR-OEV	191075	21842	212917	230340	16458	248798	258993	11987	270980
	AGR-FOR	42859	16876	59735	47093	13104	60197	43048	14561	57609
	AGR-RI	6390	.	6390	6917	.	6917	7839	.	7839
	TOTAL	242453	38718	281171	286744	29562	316306	313480	26548	340028
AECB	AECB	615	1376	1991	723	2655	3378	776	2948	3724
	TOTAL	615	1376	1991	723	2655	3378	776	2948	3724
AECL	AECL	113074	7601	120675	120185	7661	127846	125410	7541	132951
	TOTAL	113074	7601	120675	120185	7661	127846	125410	7541	132951
CMHC	CMHC	2024	600	2624	2410	2849	5259	2575	2490	5065
	TOTAL	2024	600	2624	2410	2849	5259	2575	2490	5065
CDC	COC	248	1544	1792	305	1903	2208	.	.	.
	TOTAL	248	1544	1792	305	1903	2208	.	.	.
CIDA	CIDA	213	13054	13267	246	12454	12700	242	12890	13132
	TOTAL	213	13054	13267	246	12454	12700	242	12890	13132
COMM	COMM-COMM	50950	29630	80580	70238	35028	105266	49214	34195	83409
	TOTAL	50950	29630	80580	70238	35028	105266	49214	34195	83409
EMR	EMR-MES	127596	22752	150358	160734	28474	183208	177479	38445	215924
	EMR-ENER	2022	26709	28731	2279	42706	44985	2546	49264	51910
	TOTAL	129618	49471	179089	163013	71180	234193	180125	87709	267834
ENV	ENV-ADM	343	.	343	501	40	541	511	.	511
	ENV-AES	25299	1108	26407	32516	1257	33773	37144	1392	38536
	ENV-ECS	20476	1911	22387	29068	1847	24915	22520	1806	24326
	ENV-EPS	3976	6431	10407	4803	5375	10178	3925	4150	8075
	ENV-PC	.	585	585	.	627	627	.	663	663
	TOTAL	50094	10035	60129	60888	9146	70034	64100	8011	72111
EA	EA-GO	60	1200	1260	60	2400	2460	60	2400	2460
	TOTAL	60	1200	1260	60	2400	2460	60	2400	2460
F&O	F&O-FM	117027	10581	127608	144273	11512	155785	148725	11214	159939
	TOTAL	117027	10581	127608	144273	11512	155785	148725	11214	159939
H&W	NHW-HP	12445	1612	14057	13123	860	13983	13286	835	14121
	NHW-HSS	388	6971	7359	469	7482	7951	477	7830	8307
	NHW-MS	2473	.	2473	3155	.	3155	3016	.	3016
	TOTAL	15306	8583	23889	16747	8342	25089	16779	8665	25444
INA	IANO-NA	1454	1174	2628	1963	2485	4448	1927	2656	4583
	TOTAL	1454	1174	2628	1963	2485	4448	1927	2656	4583
IDRC	IDRC	5488	25441	30929	6473	29199	35672	7979	35151	43130
	TOTAL	5488	25441	30929	6473	29199	35672	7979	35151	43130

(CONTINUED)

TABLE 39

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND ACTIVITY: R&D

		YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
DEPARTMENT:	PROGRAM:										
MRC	MRC	3024	132722	135746	3628	147497	151125	3358	122552	125910	
	TOTAL	3024	132722	135746	3628	147497	151125	3358	122552	125910	
NDEF	NDEF-SER	107656	48387	156043	119426	82913	202339	126461	100760	227221	
	TOTAL	107656	48387	156043	119426	82913	202339	126461	100760	227221	
NFB	NFB	479	72	551	323	60	383	701	300	1001	
	TOTAL	479	72	551	323	60	383	701	300	1001	
NMUS	NMUS	2385	160	2545	2097	162	2259	2636	176	2812	
	TOTAL	2385	160	2545	2097	162	2259	2636	176	2812	
NRC	NRC-SIR	232236	123481	355717	294149	172469	466618	260280	140890	401170	
	TOTAL	232236	123481	355717	294149	172469	466618	260280	140890	401170	
NSERC	NSERC	5786	242411	248197	7958	262348	270306	9344	245823	255167	
	TOTAL	5786	242411	248197	7958	262348	270306	9344	245823	255167	
PW	PW-PTS	1511	1900	3411	1637	2172	3809	1329	2628	3957	
	TOTAL	1511	1900	3411	1637	2172	3809	1329	2628	3957	
RIE	RIE	8716	136444	145160	12975	203120	216095	15624	244594	260218	
	TOTAL	8716	136444	145160	12975	203120	216095	15624	244594	260218	
RCMP	RCMP	40	309	349	45	374	419	60	532	592	
	TOTAL	40	309	349	45	374	419	60	532	592	
ST	ST	-	2047	2047	-	1895	1895	-	2124	2124	
	TOTAL	-	2047	2047	-	1895	1895	-	2124	2124	
SS	SS-SUPP	113	10970	11083	119	10977	11096	125	11000	11125	
	TOTAL	113	10970	11083	119	10977	11096	125	11000	11125	
TPT	TPT-ADM	3711	17496	21207	3156	17944	21100	3397	18361	21758	
	TPT-AIR	752	119	871	445	449	894	718	1200	1918	
	TPT-MAR	4157	3813	7970	4807	5530	10337	5401	5312	10713	
	TPT-SUR	30	382	412	40	317	357	40	252	292	
	TOTAL	8650	21810	30460	8448	24240	32688	9556	25125	34681	
TOTAL	TOTAL	1099220	919721	2018941	1325073	1134603	2459576	1340866	1138922	2479788	

TABLE 40

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: INTRAMURAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:		PAYMENT TYPE:			
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-CGC	.	.	2129	.	.	2394	.	.	3600
	AGR-DEV	.	.	191075	.	.	230340	.	.	258933
	AGR-FOR	.	495	42364	.	544	46549	.	511	42537
	AGR-RI	.	.	6390	.	.	6917	.	.	7839
	TOTAL	.	495	241958	.	544	286200	.	511	312969
AECB	AECB	.	.	615	.	.	723	.	.	776
	TOTAL	.	.	615	.	.	723	.	.	776
AECL	AECL	.	4714	108360	.	5368	114817	.	5766	119644
	TOTAL	.	4714	108360	.	5368	114817	.	5766	119644
CMHC	CMHC	.	.	2024	.	.	2410	.	.	2575
	TOTAL	.	.	2024	.	.	2410	.	.	2575
CDC	CDC	.	.	248	.	.	305	.	.	.
	TOTAL	.	.	248	.	.	305	.	.	.
CIDA	CIDA	.	.	213	.	.	246	.	.	242
	TOTAL	.	.	213	.	.	246	.	.	242
COMM	COMM-COMM	.	4030	46920	.	4230	56008	.	4440	44774
	TOTAL	.	4030	46920	.	4230	56008	.	4440	44774
EMR	EMR-MES	.	12903	114683	.	17971	142769	.	42378	135101
	EMR-ENER	.	233	1789	.	700	1579	.	700	1946
	TOTAL	.	13136	116482	.	18671	144342	.	43078	137047
ENV	ENV-ADM	.	61	282	.	64	437	.	67	444
	ENV-AES	.	1836	23451	.	2022	20484	.	2224	34820
	ENV-ECS	.	480	19995	.	480	22588	.	460	22040
	ENV-EPS	.	.	3976	.	.	4803	.	.	3925
	TOTAL	.	2379	47715	.	2566	58321	.	2771	61329
EA	EA-GO	.	.	50	.	.	60	.	.	60
	TOTAL	.	.	60	.	.	60	.	.	60
F&C	F&C-FM	.	8219	108808	.	9381	134892	.	9263	139462
	TOTAL	.	8219	108808	.	9381	134892	.	9263	139462
H&W	NHW-HP	.	200	12245	.	200	12922	.	200	13086
	NHW-HSS	.	.	388	.	.	459	.	.	477
	NHW-MS	.	.	2473	.	.	3156	.	.	3015
	TOTAL	.	200	15105	.	200	16547	.	200	15573
INA	IAND-NA	.	17	1437	.	.	1953	.	.	1937
	TOTAL	.	17	1437	.	.	1953	.	.	1937
IDRC	IDRC	.	.	5498	.	.	5473	.	.	7878
	TOTAL	.	.	5498	.	.	5473	.	.	7878
MRC	IMRC	.	.	3024	.	.	3629	.	.	3359

CONTINUED

TABLE 40

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: INTRAMURAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
MRC	TOTAL			3024			3628			3358
NDEF	NDEF-SER			107656			119426			126461
	TOTAL			107656			119426			126461
NFB	NFB		6	473			323			701
	TOTAL		6	473			323			701
NMUS	NMUS		135	2250		119	1978		149	2487
	TOTAL		135	2250		119	1978		149	2487
NRC	NRC-SIR		13430	218806		13967	280182		12709	247571
	TOTAL		13430	218806		13967	280182		12709	247571
NSERC	NSERC			5786			7956			9344
	TOTAL			5786			7956			9344
PW	PW-PTS		439	1072		360	1277		210	1119
	TOTAL		439	1072		360	1277		210	1119
RIE	RIE			8716			12975			15624
	TOTAL			8716			12975			15624
RCMP	RCMP		40			20	25		60	
	TOTAL		40			20	25		60	
SS	SS-SUPP			113			119			125
	TOTAL			113			119			125
TPT	TPT-LDM		444	3367		170	2988		210	3187
	TPT-AIR			752			445			216
	TPT-MAR		126	4028			4627			5401
	TPT-SUR			30			40			40
	TOTAL		573	8077		170	8278		210	9346
TOTAL	TOTAL		47813	1051407		65596	1266477		79367	1261489

TABLE 41

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN INDUSTRY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-DEV	606	4310	.	636	5844	.	636	4004	.
	AGR-FOR	5025	7914	.	5600	3279	.	5800	4336	.
	TOTAL	5631	12224	.	6235	9123	.	6436	8340	.
AECB	AECB	.	774	.	.	1811	.	.	2007	.
	TOTAL	.	774	.	.	1811	.	.	2007	.
AECL	AECL	.	4858	.	.	4999	.	.	4726	.
	TOTAL	.	4866	.	.	4999	.	.	4726	.
CMHC	CMHC	56	113	.	623	1517	.	545	1327	.
	TOTAL	59	113	.	523	1517	.	545	1327	.
CDC	CDC	.	509	.	.	526	.	.	.	.
	TOTAL	.	509	.	.	526	.	.	.	.
COMM	COMM-COMM	.	13120	.	.	19158	.	.	14045	.
	TOTAL	.	13120	.	.	19158	.	.	14045	.
EMR	EMR-MES	.	16739	.	.	14033	.	.	14293	.
	EMR-ENER	16050	5220	.	32021	2172	.	38155	2642	.
	TOTAL	16050	16959	.	32021	16205	.	38155	17041	.
ENV	ENV-ADM	.	.	.	.	40	.	.	.	.
	ENV-EOS	.	632	.	.	294	.	.	285	.
	ENV-EPS	.	2171	.	.	4419	.	.	3283	.
	ENV-PC	.	250	.	.	278	.	.	284	.
	TOTAL	.	5654	.	.	5031	.	.	3840	.
EI	EI-DO	800	.	.	2000	.	.	2000	.	.
	TOTAL	800	.	.	2000	.	.	2000	.	.
F&O	F&O-FM	400	5756	.	420	6608	.	420	6386	.
	TOTAL	400	5756	.	420	6608	.	420	6386	.
H&W	NHW-HP	.	500	.	.	500	.	.	480	.
	NHW-HSS	14	217	.	58	131	.	60	160	.
	TOTAL	14	217	.	58	541	.	60	840	.
INA	IANO-NA	.	359	.	.	1237	.	.	1129	.
	TOTAL	.	359	.	.	1237	.	.	1129	.
INDEF	INDEF-SER	.	37933	.	.	71990	.	.	83641	.
	TOTAL	.	37933	.	.	71990	.	.	83641	.
INF	INF	.	46	.	.	60	.	.	300	.
	TOTAL	.	46	.	.	60	.	.	300	.
NRC	NRC-SIR	59179	21816	.	76821	36627	.	76223	13903	.
	TOTAL	59179	21816	.	76821	36627	.	76223	13903	.
NSERC	NSERC	.	.	2348	.	.	3036	.	.	3614
	TOTAL	.	.	2348	.	.	3135	.	.	3614

[CONTINUED]

TABLE 41

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN INDUSTRY

DEPARTMENT:	PROGRAM:	YEAR									
		1983-84			1984-85			1985-86			
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:			
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	
PW	PW-PTS	.	1614	.	.	2091	.	.	2278	.	
	TOTAL	.	1614	.	.	2091	.	.	2278	.	
RIE	RIE	136444	.	.	203120	.	.	244594	.	.	
	TOTAL	136444	.	.	203120	.	.	244594	.	.	
RCMP	RCMP	.	309	.	.	374	.	.	532	.	
	TOTAL	.	309	.	.	374	.	.	532	.	
SS	SS-SUPP	.	10073	.	.	10267	.	.	10280	.	
	TOTAL	.	10073	.	.	10267	.	.	10280	.	
TPT	TPT-ADM	.	16099	.	.	16101	.	.	16908	.	
	TPT-LIR	.	119	.	.	419	.	.	1000	.	
	TPT-MAR	.	3570	.	.	5480	.	.	5262	.	
	TPT-SUR	.	340	.	.	275	.	.	310	.	
	TOTAL	.	20128	.	.	22275	.	.	23380	.	
	TOTAL	216574	162780	2348	321262	212640	3036	359430	185539	3014	

TABLE 42

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN UNIVERSITY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-DEV	1426	4299		1430	5858		1103	4013	
	AGR-FOR	1288	1501		1789	1649		2289	1622	
	TOTAL	2715	5800		3219	7507		3392	5635	
AECB	AECB		210			266			307	
	TOTAL		210			266			307	
AECL	AECL		2276			2014			2128	
	TOTAL		2276			2014			2128	
CMHC	CMHC	42			56			50		
	TOTAL	42			56			50		
CDC	CDC		448			552				
	TOTAL		448			552				
COMM	COMM-COMM		127			1150			1150	
	TOTAL		127			1150			1150	
EMR	EMR-MES	2070	3225		1477	3630		1377	3486	
	EMR-ENER	328	1263		132	1518		7	1327	
	TOTAL	2398	4478		1609	5148		1384	4623	
ENV	ENV-4ES	347	420		455	462		500	508	
	ENV-EOS	218	309		219	811		219	791	
	ENV-EPS		578			371			380	
	ENV-PC		25			25			25	
	TOTAL	563	1332		674	1669		719	1702	
EFO	EFO-FPM	510	3049		510	3087		510	3008	
	TOTAL	510	3049		510	3087		510	3008	
H&W	NHW-HF		100			100			99	
	NHW-HSS	4145			4438			4650		
	TOTAL	4145	100		4438	100		4650	99	
IAND	IAND-N4	498	295		551	372		518	83	
	TOTAL	498	295		551	372		518	83	
IDRC	IDRC	737			999			1527		
	TOTAL	737			999			1527		
MRC	MRC	104598		4913	115687		5089	97674		4082
	TOTAL	104598		4913	115687		5089	97674		4082
NDEF	NDEF-SER		5748			5281			5597	
	TOTAL		5748			5281			5597	
NRC	NRC-SIR	23210	3283		25522	5004		26716	2241	
	TOTAL	23210	3283		25522	5004		26716	2241	
NSERC	NSERC	226975		8118	245863		9234	226242		11141
	TOTAL	226975		8118	245863		9234	226242		11141

(CONTINUED)

TABLE 42

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN UNIVERSITY

DEPARTMENT: PROGRAM:		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
PW	PW-PTS		177			72			310	
	TOTAL		177			72			310	
SS	SS-SUPP		693			400			410	
	TOTAL		693			400			410	
TPT	TPT-ADM		1073			873			923	
	TPT-MAR	50			50			50		
	TPT-SUR	26			26			26		
	TOTAL	76	1073		76	873		76	923	
TOTAL	TOTAL	366468	29089	13029	398838	33551	15323	363507	28466	15223

TABLE 43

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN N P INST

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-DEV	9131	277	.	67	375	.	69	256	.
	AGR-FOR	138	90	.	150	.	.	162	.	.
	TOTAL	9269	367	.	217	375	.	231	256	.
AECL	AECL	.	17	.	.	236	.	.	253	.
	TOTAL	.	17	.	.	236	.	.	253	.
CMHC	CMHC	10	221	.	.	141	.	.	125	.
	TOTAL	10	221	.	.	141	.	.	125	.
CDC	CDC	.	587	.	.	725	.	.	.	.
	TOTAL	.	587	.	.	725	.	.	.	.
EMR	EMR-MES	47	244	.	16	279	.	68	379	.
	EMR-ENER	10	.	.	10	.	.	.	.	.
	TOTAL	57	244	.	26	279	.	58	379	.
ENV	ENV-AES	.	36	.	.	40	.	.	40	.
	ENV-ECS	.	157	.	.	52	.	.	51	.
	ENV-EPS	.	309	.	.	98	.	.	100	.
	TOTAL	.	502	.	.	191	.	.	181	.
FA	FA-GO	400	.	.	400	.	.	400	.	.
	TOTAL	400	.	.	400	.	.	400	.	.
F&C	F&C-FM	60	82	.	47	88	.	55	88	.
	TOTAL	60	82	.	47	88	.	55	88	.
H&W	H&W-HP	15	40	.	15	40	.	15	38	.
	H&W-HSS	2437	.	.	2664	.	.	2760	.	.
	TOTAL	2452	40	.	2679	40	.	2775	38	.
INA	INA-NA	.	.	.	92	.	.	82	340	.
	TOTAL	.	.	.	92	.	.	82	340	.
IDRC	IDRC	30	.	.	15	.	.	28	.	.
	TOTAL	30	.	.	15	.	.	28	.	.
MRC	MRC	18206	.	577	19888	.	715	16833	.	478
	TOTAL	18206	.	577	19888	.	715	16833	.	478
NRC	NRC-SIR	485	100	.	194	59	.	209	31	.
	TOTAL	485	100	.	194	59	.	209	31	.
NSERC	NSERC	2693	.	.	1733	.	.	1802	.	.
	TOTAL	2693	.	.	1733	.	.	1802	.	.
PW	PW-PTS	.	.	.	.	.	.	20	.	20
	TOTAL	.	.	.	.	.	.	20	.	20
SS	SS-SUPP	.	58	.	.	310	.	.	310	.
	TOTAL	.	58	.	.	310	.	.	310	.
TPT	TPT-ADM	20	100	.	10	500	.	15	300	.

CONTINUED

TABLE 43

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: CANADIAN N.P. INST

DEPARTMENT: PROGRAM:		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
TPT	TPT-SUR	16	.	.	16	.	.	16	.	.
	TOTAL	36	100	.	26	500	.	31	300	.
TOTAL	TOTAL	33688	2318	577	25307	2952	715	22534	2309	499

TABLE 44

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: PROV. MUN. GOVERNMENT

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
AGR	AGR-DEV	2	19			29			29	
	AGR-FOR		247			103			108	
	TOTAL	2	266			132			128	
AECB	AECB		22			132			165	
	TOTAL		22			132			165	
CMHC	CMHC	65	3			56			48	
	TOTAL	65	3			56			48	
EMR	EMR-MES					885			1196	
	EMR-ENER	1816			3000			3900		
	TOTAL	1816			3000	885		3900	1196	
ENV	ENV-ECS					138			135	
	ENV-EPS					74			60	
	TOTAL					212			195	
H&W	NHW-HP		30			30			30	
	NHW-HSS	157			181			200		
	TOTAL	157	30		181	30		200	30	
NRG	NRG-SIR		1067			1626			728	
	TOTAL		1067			1626			728	
TPT	TPT-AOM		95			60			60	
	TOTAL		95			60			60	
TOTAL	TOTAL	2040	1483		3181	3123		4100	2540	

TABLE 45

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: FOREIGN PERFORMERS

		YEAR									
		1983-84			1984-85			1985-86			
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:			
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	
DEPARTMENT: PROGRAM:											
AGR	AGR-DEV	656	.	.	698	.	.	841	.	.	
	AGR-FOR	60	80	.	182	62	.	182	62	.	
	TOTAL	716	80	.	880	62	.	1023	62	.	
AECB	AECB	.	370	.	446	.	.	469	.	.	
	TOTAL	.	370	.	446	.	.	469	.	.	
AECL	AECL	.	427	.	.	412	.	.	434	.	
	TOTAL	.	427	.	.	412	.	.	434	.	
CIDA	CIDA	13054	.	.	12454	.	.	12890	.	.	
	TOTAL	13054	.	.	12454	.	.	12890	.	.	
COMM	COMM-COMM	14808	75	.	14720	.	.	19000	.	.	
	TOTAL	14808	75	.	14720	.	.	19000	.	.	
EMR	EMR-MES	1399	977	.	4100	648	.	13300	189	.	
	EMR-ENER	73	13	.	300	.	.	300	.	.	
	TOTAL	1472	990	.	4400	648	.	13600	189	.	
ENV	ENV-AES	.	124	.	.	100	.	.	100	.	
	ENV-ECS	12	.	.	.	22	.	.	21	.	
	ENV-EPS	.	207	.	.	19	.	.	10	.	
	TOTAL	12	321	.	.	140	.	.	131	.	
FDO	FDO-FM	30	2	.	30	2	.	30	2	.	
	TOTAL	30	2	.	30	2	.	30	2	.	
H&W	NHW-HC	807	50	.	55	50	.	55	49	.	
	TOTAL	807	50	.	55	50	.	55	49	.	
IDRC	IDRC	23941	.	583	27297	.	706	32576	.	811	
	TOTAL	23941	.	583	27297	.	706	32576	.	811	
MRC	MRC	77	.	4351	127	.	5091	20	.	3454	
	TOTAL	77	.	4351	127	.	5091	20	.	3454	
NDEF	NDEF-SER	.	3929	.	.	5331	.	.	5235	.	
	TOTAL	.	3929	.	.	5331	.	.	5235	.	
NFB	NFB	.	21	.	.	.	.	.	.	.
	TOTAL	.	21	.	.	.	.	.	.	.
NRC	NRC-SIR	3045	5757	.	3178	9017	.	3042	9692	.	
	TOTAL	3045	5757	.	3178	9017	.	3042	9692	.	
NSERC	NSERC	.	.	2281	.	.	2492	.	.	3024	
	TOTAL	.	.	2281	.	.	2492	.	.	3024	
PW	PW-PTS	.	9	.	.	9	.	.	.	.
	TOTAL	.	9	.	.	9	.	.	.	.
ST	ST	2047	.	.	1893	.	.	2134	.	.	
	TOTAL	2047	.	.	1893	.	.	2134	.	.	

(CONTINUED)

TABLE 45

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: FOREIGN PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
TPT	TPT-ADM		78			306			115	
	TPT-AIR					30			200	
	TPT-MAR		193							
	TOTAL		271			336			315	
TOTAL	TOTAL	60009	12302	7215	65482	16007	8289	84829	16105	7299

TABLE 46

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: OTHER PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
AGR	AGR-DEV	10	1106	.	10	1511	.	10	1035	.
	AGR-FOR.	.	532	.	.	290	.	.	.	.
	TOTAL	10	1638	.	10	1801	.	10	1035	.
AECL	AECL	.	215	.	.	.	.	.	.	.
	TOTAL	.	215	.	.	.	.	.	.	.
CMHC	CMHC	18	72	.	80	376	.	70	325	.
	TOTAL	18	72	.	80	376	.	70	325	.
COMM	COMM-COMM	.	1500	.	.	.	.	.	.	.
	TOTAL	.	1500	.	.	.	.	.	.	.
EMR	EMR-MES	144	2917	.	283	3122	.	302	3740	.
	EMR-ENER	133	1813	.	.	2553	.	.	2932	.
	TOTAL	277	4730	.	283	5676	.	302	6672	.
ENV	ENV-AES	37	154	.	50	150	.	96	150	.
	ENV-ECS	.	584	.	.	311	.	.	308	.
	ENV-EPS	.	566	.	.	384	.	.	349	.
	ENV-PC	.	300	.	.	324	.	.	344	.
	TOTAL	37	1604	.	50	1172	.	96	1187	.
F&O	F&O-FM	.	692	.	.	722	.	.	717	.
	TOTAL	.	692	.	.	722	.	.	717	.
H&W	H&W-HD	.	70	.	.	70	.	.	73	.
	TOTAL	.	70	.	.	70	.	.	73	.
INA	INA-NA	.	22	.	.	243	.	.	360	.
	TOTAL	.	22	.	.	243	.	.	360	.
IDRC	IDRC	.	.	150	.	.	182	.	.	209
	TOTAL	.	.	150	.	.	182	.	.	209
NDER	NDER-SEB	.	777	.	.	311	.	.	287	.
	TOTAL	.	777	.	.	311	.	.	287	.
NFB	NFB	.	5	.	.	.	.	.	.	.
	TOTAL	.	5	.	.	.	.	.	.	.
NMUS	NMUS	.	150	.	.	162	.	.	178	.
	TOTAL	.	150	.	.	162	.	.	178	.
NRC	NRC-SIR	3889	1650	.	8895	2515	.	8884	1125	.
	TOTAL	3889	1650	.	8895	2515	.	8884	1125	.
PW	PW-PTS	.	100	.	.	.	.	.	.	.
	TOTAL	.	100	.	.	.	.	.	.	.
SS	SS-SUPP	.	146	.	.	.	.	.	.	.
	TOTAL	.	146	.	.	.	.	.	.	.
TPT	TPT-AOM	.	31	.	.	104	.	.	50	.

(CONTINUED)

TABLE 46

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: OTHER PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
TPT	TOTAL		31			104			50	
TOTAL	TOTAL	4231	13412	150	10319	14159	182	7462	11957	209

TABLE 47

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-CGC	.	.	2129	.	.	2394	.	.	3600
	AGR-DEV	11831	10011	191075	2841	13617	230340	2659	9328	258993
	AGR-FOR	6512	10859	42364	7721	5927	46549	8433	6639	42537
	AGR-RI	.	.	6390	.	.	6917	.	.	7839
	TOTAL	18343	20870	241958	10562	19544	286200	11092	15967	312369
AECB	AECB	.	1376	615	446	2209	723	469	2479	776
	TOTAL	.	1376	615	446	2209	723	469	2479	776
AECL	AECL	.	12315	108360	.	13029	114817	.	13307	119644
	TOTAL	.	12315	108360	.	13029	114817	.	13307	119644
CMHC	CMHC	191	409	2024	703	2146	2410	615	1875	2575
	TOTAL	191	409	2024	703	2146	2410	615	1875	2575
CDC	CDC	.	1544	248	.	1803	305	.	.	.
	TOTAL	.	1544	248	.	1803	305	.	.	.
CIDA	CIDA	13054	.	213	12454	.	246	12890	.	240
	TOTAL	13054	.	213	12454	.	246	12890	.	240
COMM	COMM-COMM	14808	18852	46920	14720	24538	56008	18000	18635	44774
	TOTAL	14808	18852	46920	14720	24538	56008	18000	18635	44774
EMR	EMR-MES	35601	32005	114693	5876	40559	142763	15347	85776	135101
	EMR-ENER	18410	8532	1789	35463	7943	1579	40362	7602	1946
	TOTAL	22070	40537	116482	41339	48512	144342	57409	73378	137047
ENV	ENV-ADM	.	61	282	.	104	437	.	67	444
	ENV-AES	384	25621	23461	505	2774	30494	595	3020	34920
	ENV-ECS	228	2163	19996	219	3108	22568	219	2057	22040
	ENV-EPS	.	6431	3976	.	5375	4803	.	4150	3825
	ENV-PC	.	585	.	.	627	.	.	663	.
	TOTAL	812	11803	47715	724	10398	58322	815	8987	61325
EA	EA-GO	1200	.	60	2400	.	60	2400	.	90
	TOTAL	1200	.	60	2400	.	60	2400	.	90
F&O	F&O-FM	1000	17800	108808	1007	19885	134892	1015	18452	135462
	TOTAL	1000	17800	108808	1007	19885	134892	1015	18452	135462
H&W	HHW-HP	822	990	12245	70	990	12923	70	966	13086
	HHW-HSS	5754	217	388	7341	141	469	7670	160	477
	HHW-MS	.	.	2473	.	.	3155	.	.	3016
	TOTAL	7526	1207	15106	7411	1131	16547	7745	1125	15578
INA	INA-N4	498	693	1437	633	1852	1353	700	1855	1617
	TOTAL	498	693	1437	633	1852	1353	700	1855	1617
IDRC	IDRC	24705	.	6201	28311	.	7351	34131	.	8368
	TOTAL	24705	.	6201	28311	.	7351	34131	.	8368

(CONTINUED)

TABLE 47

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND PERFORMER: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
MRC	MRC	122881	.	12865	135602	.	15523	114527	.	11383
	TOTAL	122881	.	12865	135602	.	15523	114527	.	11383
NDEF	NDEF-SER	.	48387	107656	.	82913	119426	.	100750	126481
	TOTAL	.	48387	107656	.	82913	119426	.	100760	126481
NFB	NFB	.	78	473	.	60	323	.	300	701
	TOTAL	.	78	473	.	60	323	.	300	701
NMUS	NMUS	.	295	2250	.	281	1978	.	325	2487
	TOTAL	.	295	2250	.	281	1978	.	325	2487
NRC	NRC-SIR	89808	47103	218806	115611	70825	280182	113170	40429	247571
	TOTAL	89808	47103	218806	115611	70825	280182	113170	40429	247571
NSERC	NSERC	229668	.	18529	247385	.	22920	228044	.	27123
	TOTAL	229668	.	18529	247385	.	22920	228044	.	27123
PW	PW-PTS	.	2339	1072	.	2630	1277	20	2798	1139
	TOTAL	.	2339	1072	.	2630	1277	20	2798	1139
PTL	PTL	136444	.	8716	203120	.	12975	244594	.	15624
	TOTAL	136444	.	8716	203120	.	12975	244594	.	15624
RCMP	RCMP	.	349	.	.	394	28	.	592	.
	TOTAL	.	349	.	.	394	28	.	592	.
ST	ST	2047	.	.	1895	.	.	3124	.	.
	TOTAL	2047	.	.	1895	.	.	3124	.	.
SS	SS-SUPP	.	10970	113	.	10977	119	.	11000	125
	TOTAL	.	10970	113	.	10977	119	.	11000	125
TPT	TPT-ADM	20	17920	3267	10	18104	2866	15	18556	3187
	TPT-AIR	.	119	752	.	449	445	.	1200	718
	TPT-MAR	50	3892	4028	50	5480	4807	50	5262	5401
	TPT-SUR	42	340	90	42	275	40	42	210	40
	TOTAL	112	22271	8077	102	24308	8278	107	25228	9346
TOTAL	TOTAL	685020	259197	1074724	824426	338028	1297222	950362	340553	1288343

TABLE 48

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY PERFORMER

SCIENCE TYPE: NATURAL
AND ACTIVITY: RSA

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$.000)		(\$.000)		(\$.000)	
	\$	%	\$	%	\$	%
INTRAMURAL	508333	77	576791	75	614802	75
CANADIAN INDUSTRY	63335	10	92483	12	124784	15
CANADIAN UNIVERSITY	39680	6	47308	6	46057	6
CANADIAN N P INST	7508	1	8807	1	7614	1
PROV. MUN. GOVERNMENT	30826	5	32193	4	15826	2
FOREIGN PERFORMERS	5872	1	6874	1	7240	1
OTHER PERFORMERS	5656	1	6525	1	6213	1
TOTAL	661210	100	770981	100	822546	100

TABLE 49

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND ACTIVITY: RSA

		YEAR								
		1983-84			1984-85			1985-86		
		PERFORMER:			PERFORMER:			PERFORMER:		
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
AGR	AGR-ADM	5729	.	5729	5781	.	5781	6148	.	6148
	AGR-CGC	2155	4	2159	2385	4	2389	3125	4	3129
	AGR-OEV	4795	718	5513	921	184	1105	908	191	1099
	AGR-FOR	4721	805	5526	3611	781	4392	3437	972	4409
	AGR-RI	15379	.	15379	20442	.	20442	30355	.	30355
	TOTAL	32779	1527	34306	33140	969	34109	43973	1167	45140
AECB	AECB	22	68	90	22	228	250	27	261	288
	TOTAL	22	68	90	22	228	250	27	261	288
AECL	AECL	8689	8626	17315	9007	9551	18558	9670	9873	19543
	TOTAL	8689	8626	17315	9007	9551	18558	9670	9873	19543
CMHC	CMHC	1090	1161	2251	1310	1394	2704	1404	1065	2469
	TOTAL	1090	1161	2251	1310	1394	2704	1404	1065	2469
CIDA	CIDA	606	28051	28657	700	32820	33520	687	37086	37773
	TOTAL	606	28051	28657	700	32820	33520	687	37086	37773
COMM	COMM-COMM	434	869	1303	360	6104	6464	261	4275	4536
	TOTAL	434	869	1303	360	6104	6464	261	4275	4536
CCA	CCA-COR	10841	.	10841	11537	.	11537	12635	.	12635
	TOTAL	10841	.	10841	11537	.	11537	12635	.	12635
EMR	EMR-MES	49635	7165	56800	55216	8686	63902	66689	14533	81222
	EMR-ENER	1311	18973	20284	897	27862	28759	531	40059	40590
	TOTAL	50946	26138	77084	56113	36548	92661	67220	54592	121812
ENV	ENV-ADM	80	61	141	84	44	128	87	99	186
	ENV-AES	151109	2960	154069	170246	3399	173645	179842	3719	183561
	ENV-ECS	42784	7068	49852	48549	7005	55554	47334	6828	54162
	ENV-EPS	3631	359	3990	3377	287	3664	3145	280	3425
	ENV-PC	5509	291	5800	5842	304	6146	5190	278	6468
	TOTAL	203113	10739	213852	228098	11039	239137	236598	11204	247802
F&O	F&O-FM	78320	3250	81570	102107	3502	105609	103676	3439	107115
	TOTAL	78320	3250	81570	102107	3502	105609	103676	3439	107115
H&W	NHW-HP	39085	1558	40643	44257	1833	46090	43905	1369	45275
	NHW-HSS	260	3037	3297	319	3686	4005	343	3915	4258
	TOTAL	39345	4595	43940	44576	5519	50095	44249	5284	49533
INA	IAND-NA	270	199	469	490	436	926	540	599	1139
	TOTAL	270	199	469	490	435	925	540	599	1139
IDRC	IDRC	361	1427	1788	489	2023	2512	510	2067	2577
	TOTAL	361	1427	1788	489	2023	2512	510	2067	2577
IJC	IJC	2880	106	2986	3225	158	3384	3257	190	3447
	TOTAL	2880	106	2986	3225	158	3384	3257	190	3447

(CONTINUED)

TABLE 49

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: NATURAL
AND ACTIVITY: RSA

DEPARTMENT:	PROGRAM:	YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
MRC	MRC	102	4591	4693	151	5694	5845	139	4534	4673	
	TOTAL	102	4591	4693	151	5694	5845	139	4534	4673	
NCC	NCC	242	166	408	255	61	316	240	260	500	
	TOTAL	242	166	408	255	61	316	240	260	500	
NDEF	NDEF-SER	1352	-	1352	1625	-	1625	1815	-	1815	
	TOTAL	1352	-	1352	1625	-	1625	1815	-	1815	
NEB	NEB	562	-	562	543	-	543	655	-	655	
	TOTAL	562	-	562	543	-	543	655	-	655	
NFB	NFB	222	-	222	425	-	425	425	-	425	
	TOTAL	222	-	222	425	-	425	425	-	425	
NMUS	NMUS	18991	5117	24108	19584	5190	24774	19974	5638	25612	
	TOTAL	18991	5117	24108	19584	5190	24774	19974	5638	25612	
NRC	NRC-SIR	24915	1026	25941	26134	1452	27586	28059	500	28559	
	NRC-STI	23427	78	23505	26929	78	27007	30023	78	30101	
	TOTAL	48342	1104	49446	53063	1530	54593	58082	578	58660	
NSERC	NSERC	781	32599	33380	1296	40295	41591	1458	39046	40504	
	TOTAL	781	32599	33380	1296	40295	41591	1458	39046	40504	
PW	PW-PTS	2780	912	3692	2615	954	3569	1139	893	2032	
	TOTAL	2780	912	3692	2615	954	3569	1139	893	2032	
RIE	RIE	-	17218	17218	-	21629	21629	-	17329	17329	
	TOTAL	-	17218	17218	-	21629	21629	-	17329	17329	
RCMP	RCMP	-	7	7	-	8	8	-	8	8	
	TOTAL	-	7	7	-	8	8	-	8	8	
SS	SS-SUPP	36	3539	3575	39	3543	3582	41	3500	3541	
	TOTAL	36	3539	3575	39	3543	3582	41	3500	3541	
TPT	TPT-AOM	1836	752	2588	2245	3320	5585	2840	3104	5944	
	TPT-AIR	3196	69	3265	3775	439	4214	3287	565	3852	
	TPT-MAR	195	47	242	-	1236	1236	-	1187	1187	
	TOTAL	5227	868	6095	6020	4995	11015	6127	4856	10983	
TOTAL	TOTAL	508333	152877	661210	576791	194190	770981	614802	207744	822546	

TABLE 50
FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL
AND YEAR: 1983-84

	CATEGORY:								
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY		
ACTIVITY:									
INTRAMURAL R&D	182	5680	723	4682	2092	3084	146	16588	
INTRAMURAL RSA	145	2042	576	2873	1702	582	-	7920	
ADMIN. OF EXTRAMURAL PROGRAMS	34	290	293	54	291	42	10	1013	
TOTAL	360	8013	1592	7609	4085	3707	156	25521	

SCIENCE TYPE: NATURAL
AND YEAR: 1984-85

	CATEGORY:								
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY		
ACTIVITY:									
INTRAMURAL R&D	228	5868	749	4782	2056	3034	155	16871	
INTRAMURAL RSA	155	2070	584	2960	1641	568	-	7978	
ADMIN. OF EXTRAMURAL PROGRAMS	37	318	305	56	341	40	10	1107	
TOTAL	421	8256	1639	7797	4038	3641	165	25956	

SCIENCE TYPE: NATURAL
AND YEAR: 1985-86

	CATEGORY:								
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY		
ACTIVITY:									
INTRAMURAL R&D	230	5855	779	4815	1986	2853	157	16675	
INTRAMURAL RSA	162	2074	522	2874	1646	555	-	7932	
ADMIN. OF EXTRAMURAL PRGRAMS	37	322	335	57	330	43	10	1135	
TOTAL	428	8251	1737	7746	3962	3451	167	25742	

TABLE 51-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL
AND YEAR: 1983-84

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
AGR	AGR-ADM	1	40	38	5	47	.	.	131
	AGR-CGC	1	19	1	61	11	2	.	95
	AGR-DEV	37	895	95	937	347	1482	.	3793
	AGR-FOR	28	306	47	361	271	84	.	1097
	AGR-RI	.	103	2	224	40	103	.	472
	TOTAL	67	1363	183	1588	716	1671	.	5588
AECB	AECB	.	11	.	.	1	.	.	12
	TOTAL	.	11	.	.	1	.	.	12
AECL	AECL	17	759	.	967	347	575	.	2865
	TOTAL	17	759	.	967	347	575	.	2665
CMHC	CMHC	1	32	.	.	18	.	.	51
	TOTAL	1	32	.	.	18	.	.	51
CDC	CDC	.	.	.	.	2	.	.	2
	TOTAL	.	.	.	.	2	.	.	2
CIDA	CIDA	.	.	9	.	7	.	.	16
	TOTAL	.	.	9	.	7	.	.	16
COMM	COMM-COMM	23	214	65	148	75	63	.	588
	TOTAL	23	214	65	148	75	63	.	588
CCA	CCA-COR	4	131	14	.	120	.	.	269
	TOTAL	4	131	14	.	120	.	.	269
EMR	EMR-MES	41	975	106	804	392	161	.	2478
	EMR-ENER	2	29	6	.	7	.	.	44
	TOTAL	43	1004	112	804	399	161	.	2522
ENV	ENV-ADM	.	2	5	.	0	.	.	8
	ENV-AES	62	661	204	1079	369	39	.	2414
	ENV-ECS	7	315	160	248	274	76	.	1080
	ENV-EPS	2	77	4	59	24	10	.	175
	ENV-PC	.	23	.	.	1	3	.	27
	TOTAL	71	1077	374	1386	668	128	.	3704
EA	EA-GO	.	.	.	.	1	.	.	1
	TOTAL	.	.	.	.	1	.	.	1
F&O	F&O-FM	43	746	136	869	279	452	.	2525
	TOTAL	43	746	136	869	279	452	.	2525
H&W	NHW-HP	25	530	34	267	247	58	.	1161
	NHW-HSS	1	3	7	1	4	.	.	16
	NHW-MS	1	26	.	.	10	.	.	37
	TOTAL	27	559	41	268	261	58	.	1214
INA	IAND-NA	1	18	1	2	1	.	.	22
	TOTAL	1	18	1	2	1	.	.	22

(CONTINUED)

TABLE 51-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL
AND YEAR: 1983-84

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
IDRC	IDRC	3	47	3	.	32	.	.	86
	TOTAL	3	47	3	.	32	.	.	86
IJC	IJC	7	10	3	4	22	.	.	46
	TOTAL	7	10	3	4	22	.	.	46
MRC	MRC	8	.	19	.	24	.	.	51
	TOTAL	8	.	19	.	24	.	.	51
NCC	NCC	.	2	.	5	.	.	.	7
	TOTAL	.	2	.	5	.	.	.	7
NOEF	NDEF-SER	12	585	116	492	272	247	156	1879
	TOTAL	12	585	116	492	272	247	156	1879
NEB	NEB	1	9	.	1	1	.	.	12
	TOTAL	1	9	.	1	1	.	.	12
NFB	NFB	.	2	.	7	1	.	.	10
	TOTAL	.	2	.	7	1	.	.	10
NMUS	NMUS	12	34	85	89	65	62	.	347
	TOTAL	12	34	85	89	65	62	.	347
NRC	NRC-SIR	7	1223	202	958	504	285	.	3179
	NRC-STI	.	76	40	1	124	4	.	245
	TOTAL	7	1299	242	959	628	289	.	3424
NSERC	NSERC	8	.	46	.	57	.	.	111
	TOTAL	8	.	46	.	57	.	.	111
PW	PW-PTS	2	37	4	12	12	.	.	68
	TOTAL	2	37	4	12	12	.	.	68
RIE	RIE	.	.	115	.	51	.	.	166
	TOTAL	.	.	115	.	51	.	.	166
SS	SS-SUPP	1	.	2	.	2	.	.	5
	TOTAL	1	.	2	.	2	.	.	5
TPT	TPT-ADM	3	39	11	4	19	1	.	77
	TPT-AIR	.	13	2	2	.	.	.	17
	TPT-MAR	.	22	10	2	3	.	.	37
	TPT-SUR	0	.	.	.	.	.	.	0
	TOTAL	3	74	23	8	22	1	.	131
TOTAL	TOTAL	360	8013	1592	7609	4085	3707	156	25521

TABLE 51-2

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL
AND YEAR: 1984-85

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
AGR	AGR-ADM	1	41	36	5	46	.	.	129
	AGR-CGC	1	20	2	61	11	2	.	97
	AGR-DEV	60	939	104	904	350	1422	.	3779
	AGR-FDR	30	310	46	365	291	85	.	1127
	AGR-RI	.	107	1	227	36	105	.	476
	TOTAL	92	1417	189	1562	734	1614	.	5608
AECB	AECB	.	12	.	.	1	.	.	13
	TOTAL	.	12	.	.	1	.	.	13
AECL	AECL	18	771	.	989	350	572	.	2700
	TOTAL	18	771	.	989	350	572	.	2700
CMHC	CMHC	1	31	.	.	18	.	.	50
	TOTAL	1	31	.	.	18	.	.	50
CDC	CDC	.	-	.	.	2	.	.	2
	TOTAL	.	-	.	.	2	.	.	2
CIDA	CIDA	.	-	9	.	7	.	.	16
	TOTAL	.	-	9	.	7	.	.	16
CDMM	COMM-CDMM	28	215	71	168	77	64	.	623
	TOTAL	28	215	71	168	77	64	.	623
CCA	CCA-COR	6	129	14	.	118	.	.	267
	TOTAL	6	129	14	.	118	.	.	267
EMR	EMR-MES	52	1053	113	823	321	161	.	2522
	EMR-ENER	2	28	6	.	5	.	.	42
	TOTAL	54	1081	119	823	327	161	.	2564
ENV	ENV-ADM	.	4	6	.	0	.	.	10
	ENV-AES	68	631	213	1166	379	39	.	2496
	ENV-ECS	7	315	160	248	274	76	.	1080
	ENV-EPS	3	80	4	51	25	11	.	183
	ENV-PC	.	23	.	.	1	3	.	27
	TOTAL	78	1053	384	1475	679	129	.	3795
EA	EA-GO	.	.	.	.	1	.	.	1
	TOTAL	.	.	.	.	1	.	.	1
F&D	F&D-FM	46	746	143	881	272	446	.	2534
	TOTAL	46	746	143	881	272	446	.	2534
H&W	NHW-HP	28	576	34	256	254	61	.	1209
	NHW-HSS	1	3	8	1	4	.	.	17
	NHW-MS	1	30	.	.	10	.	.	41
	TOTAL	30	609	42	257	268	61	.	1257
INA	IAND-NA	2	19	1	2	2	2	.	28
	TOTAL	2	19	1	2	2	2	.	28

(CONTINUED)

TABLE 51-2

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL
AND YEAR: 1984-85

DEPARTMENT:		CATEGORY:							TOTAL	
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY		
DEPARTMENT:	DEPARTMENT:	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
IDRC	IDRC	3	61	7	.	37	.	.	109	
	TOTAL	3	61	7	.	37	.	.	109	
IJC	IJC	7	11	3	4	22	.	.	47	
	TOTAL	7	11	3	4	22	.	.	47	
MRC	MRC	8	.	22	.	24	.	.	54	
	TOTAL	8	.	22	.	24	.	.	54	
NCC	NCC	.	4	.	4	.	.	.	8	
	TOTAL	.	4	.	4	.	.	.	8	
NDEF	NOEF-SER	12	583	118	479	260	235	165	1851	
	TOTAL	12	583	118	479	260	235	165	1851	
NEB	NEB	1	7	.	1	1	.	.	10	
	TOTAL	1	7	.	1	1	.	.	10	
NFB	NFB	.	2	.	7	1	.	.	10	
	TOTAL	.	2	.	7	1	.	.	10	
NMUS	NMUS	12	34	85	89	66	62	.	348	
	TOTAL	12	34	85	89	66	62	.	348	
NRC	NRC-SIR	8	1268	201	1028	477	288	.	3270	
	NRC-STI	.	78	38	1	124	4	.	245	
	TOTAL	8	1346	239	1029	601	292	.	3515	
NSERC	NSERC	10	2	48	.	78	.	.	138	
	TOTAL	10	2	48	.	78	.	.	138	
PW	PW-PTS	1	33	3	12	11	.	.	60	
	TOTAL	1	33	3	12	11	.	.	60	
RIE	RIE	.	.	115	.	51	.	.	166	
	TOTAL	.	.	115	.	51	.	.	166	
SS	SS-SUPP	1	.	2	.	2	.	.	5	
	TOTAL	1	.	2	.	2	.	.	5	
TPT	TPT-ADM	3	39	11	5	19	1	.	78	
	TPT-AIR	.	24	5	10	4	3	.	46	
	TPT-MAR	.	27	10	2	3	.	.	42	
	TPT-SUR	0	.	.	.	.	.	.	0
	TOTAL	3	90	26	17	25	4	.	166	
TOTAL	TOTAL	421	8256	1639	7797	4038	3641	165	25956	

TABLE 51-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL
AND YEAR: 1985-86

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN-SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
AGR	AGR-ADM	1	43	36	6	43	.	.	129
	AGR-CGC	1	20	2	67	11	2	.	103
	AGR-DEV	58	951	108	930	379	1218	.	3644
	AGR-FOR	30	316	47	361	171	89	.	1014
	AGR-RI	.	109	1	228	36	105	.	479
	TOTAL	90	1439	194	1592	640	1414	.	5369
AECB	AECB	.	12	.	.	1	.	.	13
	TOTAL	.	12	.	.	1	.	.	13
AECL	AECL	19	816	.	988	351	577	.	2751
	TOTAL	19	816	.	988	351	577	.	2751
CMHC	CMHC	1	31	.	.	18	.	.	50
	TOTAL	1	31	.	.	18	.	.	50
CIDA	CIDA	.	.	9	.	7	.	.	16
	TOTAL	.	.	9	.	7	.	.	16
CDMM	CDMM-CDMM	29	212	71	169	78	65	.	624
	TOTAL	29	212	71	169	78	65	.	624
CCA	CCA-COR	8	123	17	1	119	.	.	268
	TOTAL	8	123	17	1	119	.	.	268
EMR	EMR-MES	55	1035	143	821	351	162	.	2567
	EMR-ENER	2	29	8	-	6	.	.	45
	TOTAL	57	1064	151	821	357	162	.	2612
ENV	ENV-ADM	.	4	6	.	0	.	.	11
	ENV-AES	68	657	234	1087	367	29	.	2442
	ENV-ECS	7	300	152	237	262	72	.	1030
	ENV-EPS	3	77	4	58	24	10	.	174
	ENV-PC	.	23	-	.	1	3	.	27
	TOTAL	78	1060	396	1382	654	114	.	3684
EA	EA-GO	.	.	.	.	1	.	.	1
	TOTAL	.	.	.	.	1	.	.	1
F&O	F&O-FM	46	760	142	908	266	458	.	2580
	TOTAL	46	760	142	908	266	458	.	2580
H&W	NHW-HP	28	578	34	250	246	61	.	1197
	NHW-HSS	1	3	8	1	4	.	.	17
	NHW-MS	1	30	-	.	10	.	.	41
	TOTAL	30	611	42	251	260	61	.	1255
INA	IAND-NA	3	21	1	2	2	2	.	30
	TOTAL	3	21	1	2	2	2	.	30
IDRC	IDRC	3	70	7	4	33	.	.	116
	TOTAL	3	70	7	4	33	.	.	116

(CONTINUED)

TABLE 51-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL
AND YEAR: 1985-86

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
IJC	IJC	7	11	3	4	22	.	.	47
	TOTAL	7	11	3	4	22	.	.	47
MRC	MRC	6	-	22	-	26	-	-	54
	TOTAL	6	-	22	-	26	-	-	54
NCC	NCC	-	5	-	3	-	-	-	8
	TOTAL	-	5	-	3	-	-	-	8
NDEF	NDEF-SER	12	600	121	490	261	236	167	1886
	TOTAL	12	600	121	490	261	236	167	1886
NEB	NEB	1	9	-	1	1	-	-	12
	TOTAL	1	9	-	1	1	-	-	12
NFB	NFB	-	2	-	7	1	-	-	10
	TOTAL	-	2	-	7	1	-	-	10
NMUS	NMUS	15	36	82	89	64	58	-	344
	TOTAL	15	36	82	89	64	58	-	344
NRC	NRC-SIR	8	1175	216	1012	493	294	-	3198
	NRC-STI	-	77	38	1	124	4	-	244
	TOTAL	8	1252	254	1013	617	298	-	3442
NSERC	NSERC	11	1	52	-	84	-	-	148
	TOTAL	11	1	52	-	84	-	-	148
PW	PW-PTS	0	28	3	5	10	2	-	49
	TOTAL	0	28	3	5	10	2	-	49
RIE	RIE	-	-	141	-	62	-	-	203
	TOTAL	-	-	141	-	62	-	-	203
SS	SS-SUPP	1	-	2	-	2	-	-	5
	TOTAL	1	-	2	-	2	-	-	5
TPT	TPT-ADM	3	40	11	5	19	-	-	79
	TPT-AIR	-	21	5	9	4	3	-	42
	TPT-MAR	-	27	12	2	3	-	-	44
	TPT-SUR	0	-	-	-	-	-	-	0
	TOTAL	3	88	28	16	26	4	-	165
TOTAL	TOTAL	428	8251	1737	7746	3962	3451	167	25742

TABLE 52

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY PERFORMER

SCIENCE TYPE: HUMAN
AND ACTIVITY: TOTAL

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$,000)		(\$,000)		(\$,000)	
	\$	%	\$	%	\$	%
INTRAMURAL	484972	78	509946	76	516221	77
CANADIAN INDUSTRY	14773	2	18103	3	18061	3
CANADIAN UNIVERSITY	64754	10	80571	12	71958	11
CANADIAN N P INST	14490	2	18404	3	17878	3
PROV. MUN. GOVERNMENT	7631	1	9390	1	9934	1
FOREIGN PERFORMERS	21813	4	23153	3	24508	4
OTHER PERFORMERS	10418	2	14229	2	13386	2
TOTAL	618851	100	673796	100	671946	100

TABLE 53-1

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

TOTAL, ALL PROGRAMS

SCIENCE TYPE: HUMAN
AND YEAR 1983-84

	PERFORMER:								TOTAL (\$.000)
	INTRAMURAL (\$.000)	CANADIAN INDUSTRY (\$.000)	CANADIAN UNIVERSITY (\$.000)	CANADIAN N P INST (\$.000)	PROV. MUN. GOVERNMENT (\$.000)	FOREIGN PERFORMERS (\$.000)	OTHER PERFORMERS (\$.000)		
ACTIVITIES:									
IN-HOUSE R&D	31651	.	.	.	.	.	.	.	31651
R&D CONTRACTS	340	6105	1813	713	94	74	4684	13823	
SUPPORTING CONTRACTS	1718	.	.	.	.	.	.	.	1718
R&D GRANTS	.	20	36390	4843	980	13312	489	56034	
RESEARCH FELLOWSHIPS	.	.	6753	22	.	1334	241	8350	
ADMIN. EXTRAMURAL R&D	14232	.	.	.	.	.	.	.	14232
CAPITAL - R&D	213	.	.	.	.	.	.	.	213
SUB TOTAL R&D	48154	6125	44956	5578	1074	14720	5414	126021	
DATA COLLECTION	184280	3655	1608	173	2351	109	480	192656	
INFORMATION SERVICES	87616	1427	3632	3884	23	1032	1408	98022	
ECONOMIC & FEAS. STUDIES	22889	775	568	1370	12	1195	142	26952	
OPERN'S & POLICY STUDIES	91617	2342	566	2615	.	15	1574	98730	
EDUCATIONAL SUPPORT	93	102	12731	177	14	4740	313	18170	
MUSEUM SERVICES	32944	347	693	693	4157	.	1087	39921	
ADMIN. EXTRAMRAL RSA	8732	.	.	.	.	.	.	8732	
CAPITAL-RSA	8647	.	.	.	.	.	.	8647	
SUB TOTAL RSA	436818	8648	19798	8912	6557	7093	5004	492830	
TOTAL	484972	14773	64754	14490	7631	21813	10418	618851	

TABLE 53-2

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

TOTAL, ALL PROGRAMS

SCIENCE TYPE: HUMAN
AND YEAR 1984-85

	PERFORMER:								
	INTRAMURAL	CANADIAN INDUSTRY	CANADIAN UNIVERSITY	CANADIAN N P INST	PROV. MUN. GOVERNMENT	FOREIGN PERFORMERS	OTHER PERFORMERS	TOTAL	
	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	
ACTIVITIES:									
IN-HOUSE R&D	34948	.	.	.	.	.	.	.	34948
R&D CONTRACTS	322	6002	2428	1613	586	65	5125	16141	
SUPPORTING CONTRACTS	2028	.	.	.	.	.	.	.	2028
R&D GRANTS	.	925	46956	7807	1640	12917	2209	72454	
RESEARCH FELLOWSHIPS	.	.	7759	.	.	1450	343	9552	
ADMIN. EXTRAMURAL R&D	15865	.	.	.	.	.	.	.	15865
CAPITAL - R&D	250	.	.	.	.	.	.	.	250
SUB TOTAL R&D	53413	6327	57143	9420	2226	14432	7677	151238	
DATA COLLECTION	196282	4357	1858	178	2376	200	584	205846	
INFORMATION SERVICES	94324	1898	4365	4111	130	2013	626	107467	
ECONOMIC & FEAS. STUDIES	28043	1076	624	470	75	1017	2117	33422	
OPERN'S & POLICY STUDIES	84760	3397	937	3340	.	52	1849	94335	
EDUCATIONAL SUPPORT	819	70	14888	130	50	5438	181	21577	
MUSEUM SERVICES	34073	378	755	755	4533	.	1185	41678	
ADMIN. EXTRAMRAL RSA	11190	.	.	.	.	.	.	.	11190
CAPITAL-RSA	7042	.	.	.	.	.	.	.	7042
SUB TOTAL RSA	456533	11176	23428	8984	7164	8721	6552	522558	
TOTAL	509946	18103	80571	18404	9390	23153	14229	673796	

TABLE 53-3

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
TOTAL, ALL PROGRAMS

SCIENCE TYPE: HUMAN
AND YEAR 1985-86

	PERFORMER:								TOTAL (\$,000)
	INTRAMURAL (\$,000)	CANADIAN INDUSTRY (\$,000)	CANADIAN UNIVERSITY (\$,000)	CANADIAN N P INST (\$,000)	PROV. MUN. GOVERNMENT (\$,000)	FOREIGN PERFORMERS (\$,000)	OTHER PERFORMERS (\$,000)		
ACTIVITIES:									
IN-HOUSE R&D	36450	.	.	.	.	.	.	.	36450
R&D CONTRACTS	328	6052	2487	1405	606	75	4043	14996	
SUPPORTING CONTRACTS	1854	.	.	.	.	.	.	.	1854
R&D GRANTS	.	865	38261	7806	1788	14700	2117	65537	
RESEARCH FELLOWSHIPS	.	.	8095	.	.	1633	394	10122	
ADMIN. EXTRAMURAL R&D	17547	.	.	.	.	.	.	.	17547
CAPITAL - R&D	139	.	.	.	.	.	.	.	139
SUB TOTAL R&D	56318	6917	48843	9211	2394	16408	6554	146645	
DATA COLLECTION	199136	4375	2099	191	2674	235	619	209329	
INFORMATION SERVICES	96114	2032	4365	4002	135	1177	662	108487	
ECONOMIC & FEAS. STUDIES	30690	1131	240	30	15	1085	1679	34870	
OPERN'S & POLICY STUOIES	82996	2979	930	3658	.	54	2442	93059	
EDUCATIONAL SUPPORT	851	234	14695	.	.	5549	197	21526	
MUSEUM SERVICES	32592	393	786	786	4716	.	1233	40505	
ADMIN. EXTRAMRAL RSA	11616	.	.	.	.	.	.	11616	
CAPITAL-RSA	5908	.	.	.	.	.	.	5908	
SUB TDTAL RSA	459903	11144	23115	8667	7540	8100	6832	525301	
TOTAL	516221	18061	71958	17878	9934	24508	13386	671946	

TABLE 54

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND ACTIVITY: TOTAL

		YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
DEPARTMENT:	PROGRAM:										
AGR	AGR-DEV	1977	118	2095	3418	219	3637	3344	161	3505	
	TOTAL	1977	118	2095	3418	219	3637	3344	161	3505	
CC	COC	231	19	250	232	14	246	243	15	258	
	TOTAL	231	19	250	232	14	246	243	15	258	
CEIC	CEIC	8658	473	9131	9146	620	9766	9598	649	10247	
	TOTAL	8658	473	9131	9146	620	9766	9598	649	10247	
CMHC	CMHC	7266	4381	11647	8680	6231	14911	9280	5403	14683	
	TOTAL	7266	4381	11647	8680	6231	14911	9280	5403	14683	
CBC	CBC	2463	2576	5039	2417	3042	5459	2513	3165	5678	
	TOTAL	2463	2576	5039	2417	3042	5459	2513	3165	5678	
CHRC	CHRC	357	-	357	553	-	553	500	-	500	
	TOTAL	357	-	357	553	-	553	500	-	500	
CIOA	CIDA	2643	3228	5871	2453	3204	5657	2487	3506	5993	
	TOTAL	2643	3228	5871	2453	3204	5657	2487	3506	5993	
CRTC	CRTC	431	167	598	598	171	769	738	175	913	
	TOTAL	431	167	598	598	171	769	738	175	913	
CTC	CTC	3145	270	3415	3097	274	3371	3097	274	3371	
	TOTAL	3145	270	3415	3097	274	3371	3097	274	3371	
COL	COL	2723	-	2723	3108	-	3108	2998	-	2998	
	TOTAL	2723	-	2723	3108	-	3108	2998	-	2998	
COMM	COMM-COMM	1791	50	1841	3614	-	3614	4364	-	4364	
	TOTAL	1791	50	1841	3614	-	3614	4364	-	4364	
CCA	CCA-ADM	1346	1121	2467	1370	1130	2500	1306	540	1846	
	CCA-CON	2922	-	2922	5280	-	5280	3501	-	3501	
	TOTAL	4268	1121	5389	6650	1130	7780	4807	540	5347	
ECC	ECC	7546	518	8064	7920	425	8345	8286	457	8743	
	TOTAL	7546	518	8064	7920	425	8345	8286	457	8743	
ED	MSEO	19418	395	19813	6934	0	6934	-	-	-	
	TOTAL	19418	395	19813	6934	0	6934	-	-	-	
E&I	E&I-ADM	11708	1104	12812	12775	1054	13829	13406	1105	14511	
	TOTAL	11708	1104	12812	12775	1054	13829	13406	1105	14511	
EMR	EMR-MES	7583	2693	10276	9555	3026	12581	12124	3868	15992	
	EMR-ENER	6	268	274	6	294	300	6	307	313	
	TOTAL	7589	2961	10550	9551	3320	12881	12130	4175	16305	
ENV	ENV-ADM	-	18	18	4	3	7	-	515	515	
	ENV-ECS	5497	150	5647	6140	150	6290	5985	150	6135	
	ENV-PC	5830	597	6427	6184	633	6817	6553	670	7223	
	TOTAL	11327	765	12092	12328	786	13114	12538	1335	13873	

(CONTINUED)

TABLE 54

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND ACTIVITY: TOTAL

DEPARTMENT:	PROGRAM:	YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
EA	EA-CIA	6459	2192	8651	7410	4460	11870	7751	3890	11641	
	TOTAL	6459	2192	8651	7410	4460	11870	7751	3890	11641	
FIN	FIN-FEP	17148	.	17148	18929	.	18929	18895	.	18895	
	TOTAL	17148	.	17148	18929	.	18929	18895	.	18895	
F&O	F&O-FM	1749	1061	2810	2288	1624	3912	2436	1281	3717	
	TOTAL	1749	1061	2810	2288	1624	3912	2436	1281	3717	
H&W	NHW-ADM	8195	3266	11461	7993	3323	11316	8645	3383	12028	
	NHW-HSS	1279	6691	7970	1399	7571	8970	1488	8266	9754	
	NHW-IS	824	.	824	882	.	882	1067	25	1092	
	NHW-SS	578	6148	6726	741	6405	7146	790	5917	6707	
	TOTAL	10876	16105	26981	11015	17299	28314	11990	17591	29581	
INA	IAND-IIA	10	162	172	30	12	42	42	.	42	
	IAND-NA	21	428	449	951	2469	3420	951	2061	3012	
	TOTAL	31	590	621	981	2481	3462	993	2061	3054	
IDRC	IDRC	14359	16595	30954	17052	18425	35477	19188	20507	39695	
	TOTAL	14359	16595	30954	17052	18425	35477	19188	20507	39695	
JUST	JUST-ADM	1612	3156	4768	1792	3685	5477	1719	3535	5254	
	JUST-CUIO	1770	.	1770	420	.	420	.	.	.	
	TOTAL	3382	3156	6538	2212	3685	5897	1719	3535	5254	
LAB	LAB	4631	427	5058	4727	1066	5793	4945	1207	6152	
	TOTAL	4631	427	5058	4727	1066	5793	4945	1207	6152	
LRC	LRC	1069	2065	3134	1115	2109	3224	1153	2084	3237	
	TOTAL	1069	2065	3134	1115	2109	3224	1153	2084	3237	
LFB	LFB	119	30	149	124	45	169	127	45	172	
	TOTAL	119	30	149	124	45	169	127	45	172	
NCC	NCC	441	104	545	450	140	590	470	144	614	
	TOTAL	441	104	545	450	140	590	470	144	614	
NDEF	NDEF-SER	2572	144	2716	2746	184	2930	2936	162	3098	
	TOTAL	2572	144	2716	2746	184	2930	2936	162	3098	
NEB	NEB	1685	.	1685	1628	.	1628	1964	.	1964	
	TOTAL	1685	.	1685	1628	.	1628	1964	.	1964	
NLIB	NLIB	29593	28	29621	31706	37	31743	32815	42	32857	
	TOTAL	29593	28	29621	31706	37	31743	32815	42	32857	
NMUS	NMUS	36158	7146	43304	39425	7791	47216	39434	8106	47540	
	TOTAL	36158	7146	43304	39425	7791	47216	39434	8106	47540	
PC	PC	.	129	129	.	90	90	.	90	90	
	TOTAL	.	129	129	.	90	90	.	90	90	
PA	PA	15977	529	16506	16670	.	16670	16788	.	16788	

(CONTINUED)

TABLE 54

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND ACTIVITY: TOTAL

		YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
DEPARTMENT:	PROGRAM:										
PA	TOTAL	15977	529	16506	16670	.	16670	16788	.	16788	
RIE	RIE	333	286	619	500	300	800	120	235	355	
	TOTAL	333	286	619	500	300	800	120	235	355	
REV	REV-TAX	2244	.	2244	2977	.	2977	3055	.	3055	
	TOTAL	2244	.	2244	2977	.	2977	3055	.	3055	
SC	SC	3786	796	4582	4011	836	4847	4171	870	5041	
	TOTAL	3786	796	4582	4011	836	4847	4171	870	5041	
ST	ST	8739	383	9122	6105	.	6105	6953	.	6953	
	TOTAL	8739	383	9122	6105	.	6105	6953	.	6953	
SECS	SECS-ADM	803	48	851	822	73	895	846	197	1043	
	SECS-CIT	410	1086	1496	503	4989	5492	468	5598	6066	
	SECS-ES	250	1460	1710	455	8716	9171	250	250	500	
	SECS-OL	1737	765	2502	1809	893	2702	1824	938	2762	
	TOTAL	3200	3359	6559	3589	14671	18260	3388	6983	10371	
SSHRC	SSHRC	5655	54429	60084	6039	56758	62798	6257	54624	60881	
	TOTAL	5655	54429	60084	6039	56758	62798	6257	54624	60881	
SGEN	SGEN-ADM	3415	5093	8508	3800	10196	13896	3800	10046	13846	
	TOTAL	3415	5093	8508	3800	10196	13896	3800	10046	13846	
STCAN	STCAN	201193	94	201287	213309	99	213408	216000	94	216094	
	TOTAL	201193	94	201287	213309	99	213408	216000	94	216094	
SS	SS-SUPP	5	476	481	5	480	485	5	500	506	
	TOTAL	5	476	481	5	480	485	5	500	506	
TPT	TPT-ADM	35	155	190	61	296	357	75	368	443	
	TPT-SUR	140	220	360	100	139	239	100	147	247	
	TOTAL	175	375	550	161	435	596	175	515	690	
TB	TB-ADM	16437	141	16578	17488	148	17636	18363	153	18516	
	TOTAL	16437	141	16578	17488	148	17636	18363	153	18516	
TOTAL	TOTAL	484972	133879	618851	509946	163850	673796	516221	155725	671946	

TABLE 55

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:		ACTIVITY:		ACTIVITY:		ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	.	2095	2095	63	3574	3637	.	3505	3505
	TOTAL	.	2095	2095	63	3574	3637	.	3505	3505
CC	CDC	120	130	250	114	132	246	121	137	258
	TOTAL	120	130	250	114	132	246	121	137	258
CEIC	CEIC	.	9131	9131	.	9766	9766	.	10247	10247
	TOTAL	.	9131	9131	.	9766	9766	.	10247	10247
CMHC	CMHC	3762	7885	11647	5614	9297	14911	5538	9145	14683
	TOTAL	3762	7885	11647	5614	9297	14911	5538	9145	14683
CBC	CBC	.	5039	5039	.	5459	5459	.	5678	5678
	TOTAL	.	5039	5039	.	5459	5459	.	5678	5678
CHRC	CHRC	.	357	357	.	553	553	.	500	500
	TOTAL	.	357	357	.	553	553	.	500	500
CIOA	CIDA	2233	3638	5871	2035	3622	5657	2128	3865	5993
	TOTAL	2233	3638	5871	2035	3622	5657	2128	3865	5993
CTC	CRTC	576	22	598	739	30	769	883	30	913
	TOTAL	576	22	598	739	30	769	883	30	913
CTC	CTC	1828	1587	3415	1791	1580	3371	1791	1580	3371
	TOTAL	1828	1587	3415	1791	1580	3371	1791	1580	3371
COL	COL	.	2723	2723	.	3108	3108	.	2998	2998
	TOTAL	.	2723	2723	.	3108	3108	.	2998	2998
COMM	COMM-COMM	.	1841	1841	.	3614	3614	.	4364	4364
	TOTAL	.	1841	1841	.	3614	3514	.	4364	4364
CCA	CCA-ADM	2280	187	2467	2375	125	2500	1716	130	1846
	CCA-CON	.	2922	2922	.	5280	5280	.	3501	3501
	TOTAL	2280	3109	5389	2375	5405	7780	1716	3631	5347
ECC	ECC	6796	1268	8064	6980	1365	8345	7323	1420	8743
	TOTAL	6796	1268	8064	6980	1365	8345	7323	1420	8743
ED	MSED	.	19813	19813	.	6934	6934	.	.	.
	TOTAL	.	19813	19813	.	6934	6934	.	.	.
E&I	E&I-ADM	1247	11565	12812	1356	12473	13829	1420	13091	14511
	TOTAL	1247	11565	12812	1356	12473	13829	1420	13091	14511
EMR	EMR-MES	2843	7433	10276	3026	9555	12581	3868	12124	15992
	EMR-ENER	274	.	274	300	.	300	313	.	313
	TOTAL	3117	7433	10550	3326	9555	12881	4181	12124	16305
ENV	ENV-ADM	.	18	18	.	7	7	480	35	515
	ENV-ECS	1029	4618	5647	1171	5119	6290	1143	4992	6135
	ENV-PC	288	6139	6427	305	6512	5817	323	5900	7223
	TOTAL	1317	10775	12092	1476	11638	13114	1946	11927	13873

(CONTINUED)

TABLE 55

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: TOTAL

DEPARTMENT:		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
EA	EA-CIA	.	8651	8651	.	11870	11870	.	11641	11641
	TOTAL	.	8651	8651	.	11870	11870	.	11641	11641
FIN	FIN-FEP	.	17148	17148	.	18929	18929	.	18895	18895
	TOTAL	.	17148	17148	.	18929	18929	.	18895	18895
F&D	F&D-FM	.	2810	2810	.	3912	3912	.	3717	3717
	TOTAL	.	2810	2810	.	3912	3912	.	3717	3717
H&W	NHW-ADM	1065	10396	11461	1046	10270	11316	1133	10895	12028
	NHW-HSS	5500	2470	7970	6112	2858	8970	6595	3159	9754
	NHW-IS	.	824	824	.	882	882	.	1092	1092
	NHW-SS	2682	4044	6726	2768	4378	7146	2246	4461	6707
	TOTAL	9247	17734	26981	9926	18388	28314	9974	19607	29581
INA	IAND-IIA	124	48	172	17	25	42	.	42	42
	IAND-NA	369	80	449	552	2868	3420	582	2430	3012
	TOTAL	493	128	621	569	2893	3462	582	2472	3054
IORC	IDRC	21571	9383	30954	22845	12632	35477	27188	12507	39695
	TOTAL	21571	9383	30954	22845	12632	35477	27188	12507	39695
JUST	JUST-ADM	2105	2663	4768	2569	2908	5477	1851	3403	5254
	JUST-CUJO	.	1770	1770	.	420	420	.	.	.
	TOTAL	2105	4433	6538	2569	3328	5897	1851	3403	5254
LAB	LAB	361	4697	5058	252	5541	5793	211	5941	6152
	TOTAL	361	4697	5058	252	5541	5793	211	5941	6152
LRC	LRC	2137	997	3134	2288	936	3224	2304	933	3237
	TOTAL	2137	997	3134	2288	936	3224	2304	933	3237
LFB	LFB	122	27	149	141	28	169	144	28	172
	TOTAL	122	27	149	141	28	169	144	28	172
NCC	NCC	30	515	545	40	550	590	10	604	614
	TOTAL	30	515	545	40	550	590	10	604	614
NDEF	NDEF-SER	1021	1695	2716	1090	1840	2930	1165	1933	3098
	TOTAL	1021	1695	2716	1090	1840	2930	1165	1933	3098
NEB	NEB	.	1685	1685	.	1628	1628	.	1964	1964
	TOTAL	.	1685	1685	.	1628	1628	.	1964	1964
NLIB	NLIB	.	29621	29621	.	31743	31743	.	32857	32857
	TOTAL	.	29621	29621	.	31743	31743	.	32857	32857
NMUS	NMUS	4037	39267	43304	4440	42776	47216	4714	42826	47540
	TOTAL	4037	39267	43304	4440	42776	47216	4714	42826	47540
PC	PC	129	.	129	90	.	90	90	.	90
	TOTAL	129	.	129	90	.	90	90	.	90
PA	PA	.	16506	16506	.	16670	16670	.	16788	16788

(CONTINUED)

TABLE 55

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
PA	TOTAL		16506	16506		16670	16670		16788	16788
RIE	RIE	28	591	619	-	800	800	-	355	355
	TOTAL	28	591	619	-	800	800	-	355	355
REV	REV-TAX	90	2154	2244	134	2843	2977	137	2918	3055
	TOTAL	90	2154	2244	134	2843	2977	137	2918	3055
SC	SC	2364	2218	4582	2576	2271	4847	2673	2368	5041
	TOTAL	2364	2218	4582	2576	2271	4847	2673	2368	5041
ST	ST	-	9122	9122	-	6105	6105	-	6953	6953
	TOTAL	-	9122	9122	-	6105	6105	-	6953	6953
SECS	SECS-ADM	1	850	851	-	895	895	27	1016	1043
	SECS-CIT	1446	50	1496	5253	239	5492	6066	-	6066
	SECS-ES	1450	260	1710	9171	-	9171	500	-	500
	SECS-OL	1450	1052	2502	1474	1228	2702	1548	1214	2762
	TOTAL	4347	2212	6559	15898	2362	18260	8141	2230	10371
SSHRC	SSHRC	39401	20683	60084	41705	21093	62798	39155	21726	60881
	TOTAL	39401	20683	60084	41705	21093	62798	39155	21726	60881
SGEN	SGEN-ADM	6417	2091	8508	11096	2900	13996	11096	2750	13846
	TOTAL	6417	2091	8508	11096	2900	13996	11096	2750	13846
STCAN	STCAN	8022	193265	201287	9096	204312	213408	9434	206660	216094
	TOTAL	8022	193265	201287	9096	204312	213408	9434	206660	216094
SS	SS-SUPP	188	293	481	190	295	485	198	308	506
	TOTAL	188	293	481	190	295	485	198	308	506
TPT	TPT-ADM	134	56	190	37	320	357	131	312	443
	TPT-SUR	360	-	360	239	-	239	247	-	247
	TOTAL	494	56	550	276	320	596	378	312	690
TB	TB-ADM	141	16437	15578	148	17488	17635	153	18363	18516
	TOTAL	141	16437	16578	148	17488	17636	153	18363	18516
TOTAL	TOTAL	126021	492830	618851	151238	522558	673796	146645	525301	571946

TABLE 56

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: INTRAMURAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	.	1977	1977	.	3418	3418	.	3344	3344
	TOTAL	.	1977	1977	.	3418	3418	.	3344	3344
CC	COC	110	121	231	110	122	232	116	127	243
	TOTAL	110	121	231	110	122	232	116	127	243
CEIC	CEIC	.	8658	8658	.	9146	9146	.	9598	9598
	TOTAL	.	8658	8658	.	9146	9146	.	9598	9598
CMHC	CMHC	2325	4841	7266	2780	5900	8680	2970	6310	9280
	TOTAL	2325	4841	7266	2780	5900	8680	2970	6310	9280
CBC	CBC	.	2463	2463	.	2417	2417	.	2513	2513
	TOTAL	.	2463	2463	.	2417	2417	.	2513	2513
CHRC	CHRC	.	357	357	.	553	553	.	500	500
	TOTAL	.	357	357	.	553	553	.	500	500
CIDA	CIDA	333	2310	2643	385	2068	2453	378	2109	2487
	TOTAL	333	2310	2643	385	2068	2453	378	2109	2487
CRTC	CRTC	431	.	431	598	.	598	738	.	738
	TOTAL	431	.	431	598	.	598	738	.	738
CTC	CTC	1558	1587	3145	1517	1580	3097	1517	1580	3097
	TOTAL	1558	1587	3145	1517	1580	3097	1517	1580	3097
COL	COL	.	2723	2723	.	3108	3108	.	2998	2998
	TOTAL	.	2723	2723	.	3108	3108	.	2998	2998
COMM	COMM-COMM	.	1791	1791	.	3614	3614	.	4364	4364
	TOTAL	.	1791	1791	.	3614	3614	.	4364	4364
CCA	CCA-ADM	1245	101	1346	1306	64	1370	1240	66	1306
	CCA-CON	.	2922	2922	.	5280	5280	.	3501	3501
	TOTAL	1245	3023	4268	1306	5344	6650	1240	3567	4807
ECC	ECC	6278	1268	7546	6555	1365	7920	6866	1420	8286
	TOTAL	6278	1268	7546	6555	1365	7920	6866	1420	8286
ED	MSED	.	19418	19418	.	6934	6934	.	.	.
	TOTAL	.	19418	19418	.	6934	6934	.	.	.
E&I	E&I-ADM	1224	10484	11708	1297	11478	12775	1359	12047	13406
	TOTAL	1224	10484	11708	1297	11478	12775	1359	12047	13406
EMR	EMR-MES	150	7433	7583	.	9555	9555	.	12124	12124
	EMR-ENER	6	.	6	6	.	6	6	.	6
	TOTAL	156	7433	7589	6	9555	9561	6	12124	12130
ENV	ENV-AOM	.	.	.	.	4	4	.	.	.
	ENV-ECS	953	4534	5497	1105	5035	6140	1077	4908	5985
	ENV-PC	.	5830	5830	.	6184	6184	.	6553	6553
	TOTAL	963	10354	11327	1105	11223	12328	1077	11461	12539

(CONTINUED)

TABLE 56

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: INTRAMURAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:		ACTIVITY:		ACTIVITY:		ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
EA	EA-CIA	.	6459	6459	.	7410	7410	.	7751	7751
	TOTAL	.	6459	6459	.	7410	7410	.	7751	7751
FIN	FIN-FEP	.	17148	17148	.	18929	18929	.	18895	18895
	TOTAL	.	17148	17148	.	18929	18929	.	18895	18895
F&O	F&O-FM	.	1749	1749	.	2288	2288	.	2436	2436
	TOTAL	.	1749	1749	.	2288	2288	.	2436	2436
H&W	NHW-ADM	1065	7130	8195	1046	6947	7993	1133	7512	8645
	NHW-HSS	712	567	1279	789	610	1399	834	654	1488
	NHW-IS	.	824	824	.	882	882	.	1067	1057
	NHW-SS	335	243	578	439	302	741	464	326	780
	TOTAL	2112	8764	10876	2274	8741	11015	2431	9559	11990
INA	IANO-IIA	10	-	10	5	25	30	.	42	42
	IANO-NA	21	-	21	300	651	951	300	851	851
	TOTAL	31	-	31	305	676	981	300	693	993
IDRC	Iorc	7056	7303	14359	7770	9282	17052	9393	9795	19188
	TOTAL	7056	7303	14359	7770	9282	17052	9393	9795	19188
JUST	JUST-ADM	956	656	1612	1139	653	1792	1022	697	1719
	JUST-CUO	.	1770	1770	.	420	420	.	.	.
	TOTAL	956	2426	3382	1139	1073	2212	1022	697	1719
LAB	LAB	113	4518	4631	113	4614	4727	109	4836	4945
	TOTAL	113	4518	4631	113	4614	4727	109	4836	4945
LRC	LRC	573	496	1069	625	490	1115	641	512	1153
	TOTAL	573	496	1069	625	490	1115	641	512	1153
LFB	LFB	92	27	119	96	28	124	99	28	127
	TOTAL	92	27	119	96	28	124	99	28	127
NCC	NCC	.	441	441	.	450	450	.	470	470
	TOTAL	.	441	441	.	450	450	.	470	470
NOEF	NOEF-SER	1021	1551	2572	1090	1656	2746	1165	1771	2936
	TOTAL	1021	1551	2572	1090	1656	2746	1165	1771	2936
NEB	NEB	.	1685	1685	.	1628	1628	.	1964	1964
	TOTAL	.	1685	1685	.	1628	1628	.	1964	1964
NLIB	NLIB	.	29593	29593	.	31706	31706	.	32815	32815
	TOTAL	.	29593	29593	.	31706	31706	.	32815	32815
NMUS	NMUS	3820	32338	36158	4204	35221	39425	4468	34966	39434
	TOTAL	3820	32338	36158	4204	35221	39425	4468	34966	39434
PA	PA	.	15977	15977	.	16670	16670	.	16788	16788
	TOTAL	.	15977	15977	.	16670	16670	.	16788	16788
RIE	RIE	28	305	333	-	500	500	-	120	120

(CONTINUED)

TABLE 56

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: INTRAMURAL

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
RIE	TOTAL	28	305	333	500	500	500	120	120	120
REV	REV-TAX	90	2154	2244	134	2843	2977	137	2918	3055
	TOTAL	90	2154	2244	134	2843	2977	137	2918	3055
SC	SC	1568	2218	3786	1740	2271	4011	1803	2368	4171
	TOTAL	1568	2218	3786	1740	2271	4011	1803	2368	4171
ST	ST	.	8739	8739	.	6105	6105	.	6953	6953
	TOTAL	.	8739	8739	.	6105	6105	.	6953	6953
SECS	SECS-ADM	.	803	803	.	822	822	.	846	846
	SECS-CIT	410	.	410	503	.	503	468	.	468
	SECS-ES	250	.	250	455	.	455	250	.	250
	SECS-DL	1416	321	1737	1474	335	1809	1548	276	1824
	TOTAL	2076	1124	3200	2432	1157	3589	2266	1122	3388
SSHRC	SSHRC	3486	2169	5655	3826	2213	6039	3845	2412	6257
	TOTAL	3486	2169	5655	3826	2213	6039	3845	2412	6257
SGEN	SGEN-ADM	2320	1095	3415	2800	1000	3800	2800	1000	3800
	TOTAL	2320	1095	3415	2800	1000	3800	2800	1000	3800
STCAN	STCAN	8022	193171	201193	9096	204213	213309	9434	206566	216000
	TOTAL	8022	193171	201193	9096	204213	213309	9434	206566	216000
SS	SS-SUPP	2	3	5	2	3	5	2	4	6
	TOTAL	2	3	5	2	3	5	2	4	6
TPT	TPT-ADM	25	10	35	8	53	81	36	39	75
	TPT-SUR	140	.	140	100	.	100	100	.	100
	TOTAL	165	10	175	108	53	161	136	39	175
TB	TB-ADM	.	16437	16437	.	17488	17488	.	18363	18363
	TOTAL	.	16437	16437	.	17488	17488	.	18363	18363
TOTAL	TOTAL	48154	436818	484972	53413	456533	509946	56318	453903	516221

TABLE 57

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN INDUSTRY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-DEV	.	38	38	63	50	113	.	52	52
	TOTAL	.	38	38	63	50	113	.	52	52
CC	CDC	10	9	19	4	10	14	5	10	15
	TOTAL	10	9	19	4	10	14	5	10	15
CEIC	CEIC	.	213	213	.	280	280	.	293	293
	TOTAL	.	213	213	.	280	280	.	293	293
CMHC	CMHC	213	859	1072	1645	1262	2907	1490	1140	2630
	TOTAL	213	859	1072	1645	1262	2907	1490	1140	2630
CBC	CBC	.	2547	2547	.	3042	3042	.	3165	3165
	TOTAL	.	2547	2547	.	3042	3042	.	3165	3165
CRTC	CRTC	10	.	10	.	.	.	.	.	.
	TOTAL	10	.	10	.	.	.	.	.	.
CTC	CTC	127	.	127	129	.	129	129	.	129
	TOTAL	127	.	127	129	.	129	129	.	129
COMM	COMM-COMM	.	50	50	.	.	.	.	.	.
	TOTAL	.	50	50	.	.	.	.	.	.
CCA	CCA-ADM	700	86	786	724	61	785	312	64	376
	TOTAL	700	86	786	724	61	785	312	64	376
ECC	ECC	215	.	215	115	.	115	150	.	150
	TOTAL	215	.	215	115	.	115	150	.	150
E&I	E&I-ADM	7	759	766	.	686	686	.	720	720
	TOTAL	7	759	766	.	686	686	.	720	720
EMR	EMR-MES	2552	.	2552	969	.	969	1672	.	1672
	TOTAL	2552	.	2552	969	.	969	1672	.	1672
ENV	ENV-ADM	.	8	8	.	3	3	125	10	135
	ENV-PC	69	.	69	73	.	73	77	.	77
	TOTAL	69	8	77	73	3	76	202	10	212
F&O	F&O-FM	.	932	932	.	1386	1386	.	1051	1051
	TOTAL	.	932	932	.	1386	1386	.	1051	1051
H&W	NHW-ADM	.	791	791	.	836	836	.	813	813
	NHW-HSS	223	.	223	262	50	312	290	25	315
	NHW-IS	.	.	.	.	.	.	.	25	25
	NHW-SS	18	.	18	5	.	5	20	.	20
	TOTAL	241	791	1032	267	886	1153	310	863	1173
INA	IAND-NA	28	80	108	.	176	176	.	205	205
	TOTAL	28	80	108	.	176	176	.	205	205
JUST	JUST-ADM	128	291	419	107	453	560	78	420	498
	TOTAL	128	291	419	107	453	560	78	420	498

(CONTINUED)

TABLE 57

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN INDUSTRY

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
LAB	LAB	.	10	10	.	472	472	.	847	847
	TOTAL	.	10	10	.	472	472	.	847	847
LRC	LRC	.	501	501	.	446	446	.	421	421
	TOTAL	.	501	501	.	446	446	.	421	421
LFB	LFB	10	.	10	25	.	25	25	.	25
	TOTAL	10	.	10	25	.	25	25	.	25
NCC	NCC	.	74	74	30	92	122	.	117	117
	TOTAL	.	74	74	30	92	122	.	117	117
NDEF	NDEF-SER	.	75	75	.	98	98	.	84	84
	TOTAL	.	75	75	.	98	98	.	84	84
NMUS	NMUS	.	347	347	.	378	378	.	393	393
	TOTAL	.	347	347	.	378	378	.	393	393
RIE	RIE	.	177	177	.	100	100	.	.	.
	TOTAL	.	177	177	.	100	100	.	.	.
SC	SC	373	.	373	392	.	392	408	.	408
	TOTAL	373	.	373	392	.	392	408	.	408
SECS	SECS-CIT	74	5	79	515	.	515	557	.	557
	SECS-ES	.	95	95	329	.	329	.	.	.
	SECS-DL	34	.	34	.	.	.	.	.	.
	TOTAL	108	100	208	844	.	844	557	.	557
SGEN	SGEN-ADM	1099	447	1546	1398	900	2298	1398	900	2298
	TOTAL	1099	447	1546	1398	900	2298	1398	900	2298
SS	SS-SUPP	86	208	294	78	140	218	86	134	220
	TOTAL	86	208	294	78	140	218	86	134	220
TPT	TPT-AOM	65	46	112	14	255	269	45	255	300
	TPT-SUR	83	.	83	50	.	50	50	.	50
	TOTAL	149	46	195	64	255	319	95	255	350
TOTAL	TOTAL	6125	8648	14773	6927	11176	18103	6917	11144	18061

TABLE 58

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN UNIVERSITY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
CEIC	CEIC	.	173	173	.	148	148	.	155	155
	TOTAL	.	173	173	.	148	148	.	155	155
CMHC	CMHC	2	1008	1010	265	1020	1285	240	720	960
	TOTAL	2	1008	1010	265	1020	1285	240	720	960
CSC	CBC	.	29	29	.	.	.	.	.	.
	TOTAL	.	29	29	.	.	.	.	.	.
CIDA	CIDA	400	1328	1728	450	1554	2004	500	1756	2256
	TOTAL	400	1328	1728	450	1554	2004	500	1756	2256
CRTC	CRTC	.	.	.	40	.	40	40	.	40
	TOTAL	.	.	.	40	.	40	40	.	40
CTC	CTC	58	.	58	59	.	59	59	.	59
	TOTAL	58	.	58	59	.	59	59	.	59
CCA	CCA-ADM	333	.	333	343	.	343	161	.	161
	TOTAL	333	.	333	343	.	343	161	.	161
ECC	ECC	53	.	53	50	.	50	50	.	50
	TOTAL	53	.	53	50	.	50	50	.	50
E&I	E&I-ADM	.	175	175	25	100	125	26	105	131
	TOTAL	.	175	175	25	100	125	26	105	131
EMR	EMR-MES	125	.	125	187	.	187	196	.	196
	EMR-ENER	268	.	268	294	.	294	307	.	307
	TOTAL	393	.	393	481	.	481	503	.	503
ENV	ENV-ADM	.	.	.	.	.	.	330	20	350
	ENV-ECS	22	.	22	22	.	22	22	.	22
	ENV-PC	38	.	38	40	.	40	40	.	40
	TOTAL	60	.	60	62	.	62	392	20	412
EA	EA-CIA	.	1710	1710	.	3486	3486	.	3086	3086
	TOTAL	.	1710	1710	.	3486	3486	.	3086	3086
F&O	F&O-FM	.	84	84	.	190	190	.	195	195
	TOTAL	.	84	84	.	190	190	.	195	195
H&W	NHW-AOM	.	205	205	.	217	217	.	.	.
	NHW-HSS	3882	1751	5633	4378	1999	6377	4700	2244	6944
	NHW-SS	853	44	897	944	110	1054	529	95	624
	TOTAL	4735	2000	6735	5322	2326	7648	5229	2339	7568
INA	IAND-NA	240	.	240	252	.	252	282	.	282
	TOTAL	240	.	240	252	.	252	282	.	282
IDRC	IDRC	674	.	674	940	.	940	1488	.	1488
	TOTAL	674	.	674	940	.	940	1488	.	1488
JUST	JUST-AOM	155	303	458	193	347	542	174	333	507

(CONTINUED)

TABLE 58

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN UNIVERSITY

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
JUST	TOTAL	155	303	458	195	347	542	174	333	507
LAB	LAB	179	75	254	77	290	367	40	187	227
	TOTAL	179	75	254	77	290	367	40	187	227
NDEF	NDEF-SER	.	69	89	.	86	86	.	78	78
	TOTAL	.	69	69	.	86	86	.	78	78
NMUS	NMUS	.	693	693	.	755	755	.	786	786
	TOTAL	.	693	693	.	755	755	.	786	786
PC	PC	65	-	65	65	-	65	65	-	65
	TOTAL	65	-	65	65	-	65	65	-	65
SC	SC	24	-	24	22	-	22	23	-	23
	TOTAL	24	-	24	22	-	22	23	-	23
SECS	SECS-CIT	148	3	151	1535	74	1609	2324	-	2324
	SECS-ES	.	32	32	7187	.	7187	.	-	-
	SECS-OL	.	116	116	.	300	300	.	300	300
	TOTAL	148	151	299	8722	374	9096	2324	300	2624
SSHRC	SSHRC	35915	11885	47800	37879	12397	50276	35310	12743	48053
	TOTAL	35915	11885	47800	37879	12397	50276	35310	12743	48053
SGEN	SGEN-ADM	1300	69	1369	1700	250	1950	1700	200	1900
	TOTAL	1300	69	1369	1700	250	1950	1700	200	1900
SS	SS-SUPP	90	46	136	90	100	190	90	102	192
	TOTAL	90	46	136	90	100	190	90	102	192
TPT	TPT-ADM	28	-	28	15	5	20	50	10	60
	TPT-SUR	104	-	104	89	-	89	97	-	97
	TOTAL	132	-	132	104	5	109	147	10	157
TOTAL	TOTAL	44956	19798	64754	57143	23428	80571	48843	23115	71958

TABLE 59

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN N P INST

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
CEIC	CEIC	.	7	7	.	55	55	.	58	58
	TOTAL	.	7	7	.	55	55	.	58	58
CMHC	CMHC	1044	75	1119	489	332	821	445	300	745
	TOTAL	1044	75	1119	489	332	821	445	300	745
CRTC	CRTC	66	.	66	35	.	35	35	.	35
	TOTAL	66	.	66	35	.	35	35	.	35
ED	MSED	.	395	395	.	0	0	.	.	.
	TOTAL	.	395	395	.	0	0	.	.	.
E&I	E&I-ADM	16	10	26	24	47	71	25	49	74
	TOTAL	16	10	26	24	47	71	25	49	74
EMR	EMR-MES	16	.	16	1250	.	1250	1250	.	1250
	TOTAL	16	.	16	1250	.	1250	1250	.	1250
ENV	ENV-ADM	.	.	.	.	.	.	25	.	25
	TOTAL	.	.	.	.	.	.	25	.	25
F&O	F&O-FM	.	.	.	.	20	20	.	20	20
	TOTAL	.	.	.	.	20	20	.	20	20
H&W	NHW-HSS	342	100	442	363	135	498	410	145	555
	NHW-SS	1391	3495	4886	1335	3621	4956	1208	3702	4910
	TOTAL	1733	3595	5328	1698	3756	5454	1618	3847	5465
INA	IAND-NA	32	.	32	.	.	.	.	.	.
	TOTAL	32	.	32	.	.	.	.	.	.
IDRC	IDRC	790	.	790	935	.	935	1160	.	1160
	TOTAL	790	.	790	935	.	935	1160	.	1160
JUST	JUST-ADM	420	326	746	515	119	634	111	56	167
	TOTAL	420	326	746	515	119	634	111	56	167
LAB	LAB	33	94	127	.	145	145	.	71	71
	TOTAL	33	94	127	.	145	145	.	71	71
LRC	LRC	6	.	6	11	.	11	11	.	11
	TOTAL	6	.	6	11	.	11	11	.	11
NMUS	NMUS	.	693	693	.	755	755	.	786	786
	TOTAL	.	693	693	.	755	755	.	786	786
PC	PC	64	.	64	25	.	25	25	.	25
	TOTAL	64	.	64	25	.	25	25	.	25
SC	SC	41	.	41	55	.	55	57	.	57
	TOTAL	41	.	41	55	.	55	57	.	57
SECS	SECS-CIT	420	.	420	957	155	1132	1028	.	1028
	SECS-ES	.	83	83	.	.	.	.	.	.
	SECS-OL	.	615	615	.	593	593	.	638	538

(CONTINUED)

TABLE 59

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN N P INST

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
SECS	TOTAL	420	698	1118	967	758	1725	1028	638	1666
SSHRC	SSHRC	.	2978	2978	.	2810	2810	.	2696	2696
	TOTAL	.	2978	2978	.	2810	2810	.	2696	2696
SGEN	SGEN-ADM	698	10	708	3248	150	3398	3248	100	3348
	TOTAL	698	10	708	3248	150	3398	3248	100	3348
SS	SS-SUPP	10	31	41	20	30	50	20	38	58
	TOTAL	10	31	41	20	30	50	20	38	58
TPT	TPT-ADM	15	.	15	.	7	7	.	8	8
	TPT-SUR	33	.	33	.	.	.	.	.	.
	TOTAL	48	.	48	.	7	7	.	8	8
TB	TB-ADM	141	.	141	148	.	148	153	.	153
	TOTAL	141	.	141	148	.	148	153	.	153
TOTAL	TOTAL	5578	8912	14490	9420	8984	18404	9211	8667	17878

TABLE 60

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: PROV. MUN. GOVERNMENT

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
CMHC	CMHC	10	15	25	70	35	105	63	32	95
	TOTAL	10	15	25	70	35	105	63	32	95
EMR	EMR-MES	.	.	.	620	.	620	750	.	750
	TOTAL	.	.	.	620	.	620	750	.	750
ENV	ENV-ECS	.	52	52	.	52	52	.	52	52
	TOTAL	.	52	52	.	52	52	.	52	52
F&O	F&O-FM	.	15	15	.	15	15	.	15	15
	TOTAL	.	15	15	.	15	15	.	15	15
H&W	NHW-ADM	.	2270	2270	.	2270	2270	.	2570	2570
	NHW-HSS	.	10	10	.	18	18	20	40	60
	NHW-SS	85	.	85	.	42	42	5	8	13
	TOTAL	85	2280	2365	.	2330	2330	25	2618	2643
INA	IAND-NA	.	.	.	.	25	25	.	.	.
	TOTAL	.	.	.	.	25	25	.	.	.
JUST	JUST-ADM	49	14	63	26	4	30	46	7	53
	TOTAL	49	14	63	26	4	30	46	7	53
LAB	LAB	.	.	.	.	20	20	.	.	.
	TOTAL	.	.	.	.	20	20	.	.	.
NCC	NCC	10	.	10	10	.	10	10	.	10
	TOTAL	10	.	10	10	.	10	10	.	10
NMUS	NMUS	.	4157	4157	.	4533	4533	.	4716	4716
	TOTAL	.	4157	4157	.	4533	4533	.	4716	4716
SECS	SECS-CIT	.	14	14	.	.	.	.	.	.
	TOTAL	.	14	14	.	.	.	.	.	.
SGEN	SGEN-ADM	920	10	930	1500	150	1650	1500	100	1600
	TOTAL	920	10	930	1500	150	1650	1500	100	1600
TOTAL	TOTAL	1074	6557	7631	2226	7164	9390	2394	7540	9934

TABLE 61

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: FOREIGN PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
CEIC	CEIC	.	15	15	.	46	46	.	48	48
	TOTAL	.	15	15	.	46	46	.	48	48
CMHC	CMHC	.	200	200	.	150	150	.	100	100
	TOTAL	.	200	200	.	150	150	.	100	100
CIDA	CIDA	1500	.	1500	1200	.	1200	1250	.	1250
	TOTAL	1500	.	1500	1200	.	1200	1250	.	1250
CTC	CTC	27	.	27	27	.	27	27	.	27
	TOTAL	27	.	27	27	.	27	27	.	27
CCA	CCA-ADM	2	.	2	2	.	2	3	.	3
	TOTAL	2	.	2	2	.	2	3	.	3
EA	EA-CIA	.	482	482	.	974	974	.	804	804
	TOTAL	.	482	482	.	974	974	.	804	804
F&D	F&O-FM	.	13	13	.	13	13	.	.	.
	TOTAL	.	13	13	.	13	13	.	.	.
H&W	NHW-HSS	333	1	334	310	1	311	330	1	331
	NHW-SS	.	125	125	.	225	225	.	250	250
	TOTAL	333	126	459	310	226	536	330	251	581
IORC	IDRC	12810	1954	14764	12857	3247	16104	14753	2595	17348
	TOTAL	12810	1954	14764	12857	3247	16104	14753	2595	17348
JUST	JUST-ADM	18	1	19	10	6	16	18	6	24
	TOTAL	18	1	19	10	6	16	18	6	24
LAB	LAB	3	.	3	.	.	.	.	.	.
	TOTAL	3	.	3	.	.	.	.	.	.
NLIB	NLIB	.	28	28	.	37	37	.	42	42
	TOTAL	.	28	28	.	37	37	.	42	42
RIE	RIE	.	109	109	.	200	200	.	235	235
	TOTAL	.	109	109	.	200	200	.	235	235
SC	SC	27	.	27	26	.	26	27	.	27
	TOTAL	27	.	27	26	.	26	27	.	27
ST	ST	.	382	382	.	.	.	.	.	.
	TOTAL	.	382	382	.	.	.	.	.	.
SECS	SECS-CIT	.	28	28	.	.	.	.	.	.
	TOTAL	.	28	28	.	.	.	.	.	.
SSHRC	SSHRC	.	3651	3651	.	3673	3673	.	3875	3875
	TOTAL	.	3651	3651	.	3673	3673	.	3875	3875
SGEN	SGEN-AOM	.	10	10	.	50	50	.	50	50
	TOTAL	.	10	10	.	50	50	.	50	50
STCAN	STCAN	.	94	94	.	99	99	.	94	94

(CONTINUED)

TABLE 61

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: FOREIGN PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
STCAN	TOTAL	.	94	94	.	99	99	.	94	94
TOTAL	TOTAL	14720	7093	21813	14432	8721	23153	16408	8100	24508

TABLE 62

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: OTHER PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
DEPARTMENT:	PROGRAM:									
AGR	AGR-DEV	.	80	80	.	106	106	.	109	109
	TOTAL	.	80	80	.	106	106	.	109	109
CEIC	CEIC	.	65	65	.	91	91	.	95	95
	TOTAL	.	65	65	.	91	91	.	95	95
CMHC	CMHC	168	787	955	365	598	963	330	543	873
	TOTAL	168	787	955	365	598	963	330	543	873
CRTC	CRTC	69	22	91	66	30	96	70	30	100
	TOTAL	69	22	91	66	30	96	70	30	100
CTC	CTC	58	.	58	59	.	59	59	.	59
	TOTAL	58	.	58	59	.	59	59	.	59
ECC	ECC	250	.	250	260	.	260	257	.	257
	TOTAL	250	.	250	260	.	260	257	.	257
E&I	E&I-ADM	.	137	137	10	162	172	10	170	180
	TOTAL	.	137	137	10	162	172	10	170	180
ENV	ENV-ADM	.	10	10	.	.	.	.	5	5
	ENV-ECS	44	32	76	44	32	76	44	32	76
	ENV-PC	181	309	490	192	328	520	206	347	553
	TOTAL	225	351	576	236	360	596	250	384	634
F&D	F&O-FM	.	17	17	.	.	.	.	.	.
	TOTAL	.	17	17	.	.	.	.	.	.
H&W	NHW-HSS	8	41	49	10	45	55	11	50	61
	NHW-SS	.	137	137	45	78	123	20	80	100
	TOTAL	8	178	186	55	123	178	31	130	161
INA	IAND-IIA	114	48	162	12	.	12	.	.	.
	IAND-NA	48	.	48	.	2016	2016	.	1574	1574
	TOTAL	162	48	210	12	2016	2028	.	1574	1574
IDRC	IDRC	241	126	367	343	103	446	394	117	511
	TOTAL	241	126	367	343	103	446	394	117	511
JUST	JUST-ADM	379	1072	1451	577	1326	1903	402	1884	2286
	TOTAL	379	1072	1451	577	1326	1903	402	1884	2286
LAB	LAB	33	.	33	62	.	62	62	.	62
	TOTAL	33	.	33	62	.	62	62	.	62
LRC	LRC	1558	.	1558	1652	.	1652	1652	.	1652
	TOTAL	1558	.	1558	1652	.	1652	1652	.	1652
LFB	LFB	20	.	20	20	.	20	20	.	20
	TOTAL	20	.	20	20	.	20	20	.	20
NCC	NCC	20	.	20	.	8	8	.	17	17
	TOTAL	20	.	20	.	8	8	.	17	17

(CONTINUED)

TABLE 62

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: OTHER PERFORMERS

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
NMUS	NMUS	217	1039	1256	236	1134	1370	246	1179	1425
	TOTAL	217	1039	1256	236	1134	1370	246	1179	1425
PA	PA	.	529	529	.	.	.	.	.	.
	TOTAL	.	529	529	.	.	.	.	.	.
SC	SC	331	.	331	341	.	341	355	.	355
	TOTAL	331	.	331	341	.	341	355	.	355
ST	ST	.	1	1	.	.	.	.	.	.
	TOTAL	.	1	1	.	.	.	.	.	.
SECS	SECS-ADM	1	47	48	.	73	73	27	170	197
	SECS-CIT	394	.	394	1733	.	1733	1689	.	1689
	SECS-ES	1200	50	1250	1200	.	1200	250	.	250
	TOTAL	1595	97	1692	2933	73	3006	1966	170	2136
SGEN	SGEN-ADM	80	450	530	450	400	850	450	400	850
	TOTAL	80	450	530	450	400	850	450	400	850
SS	SS-SUPP	.	5	5	.	22	22	.	30	30
	TOTAL	.	5	5	.	22	22	.	30	30
TOTAL	TOTAL	5414	5004	10418	7677	6552	14229	6554	6832	13386

TABLE 63

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY PERFORMER

SCIENCE TYPE: HUMAN
AND ACTIVITY: R&D

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$.000)		(\$.000)		(\$.000)	
	\$	%	\$	%	\$	%
INTRAMURAL	48154	38	53413	35	56318	38
CANADIAN INDUSTRY	6125	5	6927	5	6917	5
CANADIAN UNIVERSITY	44956	36	57143	38	48843	33
CANADIAN N P INST	5578	4	9420	6	9211	6
PROV. MUN. GOVERNMENT	1074	1	2226	1	2394	2
FOREIGN PERFORMERS	14720	12	14432	10	16408	11
OTHER PERFORMERS	5414	4	7877	5	6554	4
TOTAL	126021	100	151238	100	146645	100

TABLE 64

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND ACTIVITY: R&D

DEPARTMENT:	PROGRAM:	YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
AGR	AGR-DEV	.	.	.	.	63	63	.	.	.
	TOTAL	.	.	.	.	63	63	.	.	.
CC	CDC	110	10	120	110	4	114	116	5	121	
	TOTAL	110	10	120	110	4	114	116	5	121	
CMHC	CMHC	2325	1437	3762	2780	2834	5614	2970	2568	5538	
	TOTAL	2325	1437	3762	2780	2834	5614	2970	2568	5538	
CIDA	CIDA	333	1900	2233	385	1650	2035	378	1750	2128	
	TOTAL	333	1900	2233	385	1650	2035	378	1750	2128	
CRTC	CRTC	431	145	576	598	141	739	738	145	883	
	TOTAL	431	145	576	598	141	739	738	145	883	
CTC	CTC	1558	270	1828	1517	274	1791	1517	274	1791	
	TOTAL	1558	270	1828	1517	274	1791	1517	274	1791	
CCA	CCA-ADM	1245	1035	2280	1306	1069	2375	1240	476	1716	
	TOTAL	1245	1035	2280	1306	1069	2375	1240	476	1716	
ECC	ECC	6278	518	6796	6555	425	6980	6866	457	7323	
	TOTAL	6278	518	6796	6555	425	6980	6866	457	7323	
E&I	E&I-ADM	1224	23	1247	1297	59	1356	1359	61	1420	
	TOTAL	1224	23	1247	1297	59	1356	1359	61	1420	
EMR	EMR-MES	150	2693	2843	.	3026	3026	.	3868	3868	
	EMR-ENER	6	268	274	6	294	300	6	307	313	
	TOTAL	156	2961	3117	6	3320	3326	6	4175	4181	
ENV	ENV-ADM	.	.	.	.	.	.	.	480	480
	ENV-ECS	963	66	1029	1105	66	1171	1077	66	1143	
	ENV-PC	.	288	288	.	305	305	.	323	323	
	TOTAL	963	354	1317	1105	371	1476	1077	869	1946	
H&W	NHW-ADM	1065	.	1065	1046	.	1046	1133	.	1133	
	NHW-HSS	712	4788	5500	789	5323	6112	834	5761	6595	
	NHW-SS	335	2347	2682	439	2329	2768	464	1782	2246	
	TOTAL	2112	7135	9247	2274	7652	9926	2431	7543	9974	
INA	IAND-IIA	10	114	124	5	12	17	.	.	.	
	IAND-NA	21	348	369	300	252	552	300	282	582	
	TOTAL	31	462	493	305	264	569	300	282	582	
IDRC	IDRC	7056	14515	21571	7770	15075	22845	9393	17795	27188	
	TOTAL	7056	14515	21571	7770	15075	22845	9393	17795	27188	
JUST	JUST-ADM	956	1149	2105	1139	1430	2569	1022	829	1851	
	TOTAL	956	1149	2105	1139	1430	2569	1022	829	1851	
LAB	LAB	113	248	361	113	139	252	109	102	211	
	TOTAL	113	248	361	113	139	252	109	102	211	

(CONTINUED)

TABLE 64

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND ACTIVITY: R&D

		YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
DEPARTMENT:	PROGRAM:										
LRC	LRC	573	1564	2137	625	1663	2288	641	1663	2304	
	TOTAL	573	1564	2137	625	1663	2288	641	1663	2304	
LFB	LFB	92	30	122	96	45	141	99	45	144	
	TOTAL	92	30	122	96	45	141	99	45	144	
NCC	NCC	-	30	30	-	40	40	-	10	10	
	TOTAL	-	30	30	-	40	40	-	10	10	
NDEF	NDEF-SER	1021	-	1021	1090	-	1090	1165	-	1165	
	TOTAL	1021	-	1021	1090	-	1090	1165	-	1165	
NMUS	NMUS	3820	217	4037	4204	236	4440	4468	246	4714	
	TOTAL	3820	217	4037	4204	236	4440	4468	246	4714	
PC	PC	-	129	129	-	90	90	-	90	90	
	TOTAL	-	129	129	-	90	90	-	90	90	
RIE	RIE	28	-	28	-	-	-	-	-	-	
	TOTAL	28	-	28	-	-	-	-	-	-	
REV	REV-TAX	90	-	90	134	-	134	137	-	137	
	TOTAL	90	-	90	134	-	134	137	-	137	
SC	SC	1568	796	2364	1740	836	2576	1803	870	2673	
	TOTAL	1568	796	2364	1740	836	2576	1803	870	2673	
SECS	SECS-ADM	-	1	1	-	-	-	-	27	27	
	SECS-CIT	410	1036	1446	503	4750	5253	468	5598	6066	
	SECS-ES	250	1200	1450	455	8716	9171	250	250	500	
	SECS-OL	1416	34	1450	1474	-	1474	1548	-	1548	
	TOTAL	2076	2271	4347	2432	13466	15898	2266	5875	8141	
SSHRC	SSHRC	3486	35915	39401	3826	37879	41705	3845	35310	39155	
	TOTAL	3486	35915	39401	3826	37879	41705	3845	35310	39155	
SGEN	SGEN-ADM	2320	4097	6417	2800	8296	11096	2800	8296	11096	
	TOTAL	2320	4097	6417	2800	8296	11096	2800	8296	11096	
STCAN	STCAN	8022	-	8022	9096	-	9096	9434	-	9434	
	TOTAL	8022	-	8022	9096	-	9096	9434	-	9434	
SS	SS-SUPP	2	186	188	2	188	190	2	196	198	
	TOTAL	2	186	188	2	188	190	2	196	198	
TPT	TPT-ADM	25	109	134	8	29	37	36	95	131	
	TPT-SUR	140	220	360	100	139	239	100	147	247	
	TOTAL	165	329	494	108	168	276	136	242	378	
TB	TB-ADM	-	141	141	-	148	148	-	153	153	
	TOTAL	-	141	141	-	148	148	-	153	153	
TOTAL	TOTAL	48154	77867	126021	53413	97825	151238	56318	90327	146645	

TABLE 65

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: INTRAMURAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
CC	CDC		1	109		1	109		2	114
	TOTAL		1	109		1	109		2	114
CMHC	CMHC			2325			2780			2970
	TOTAL			2325			2780			2970
CIDA	CIDA			333			385			378
	TOTAL			333			385			378
CRTC	CRTC			431			598			738
	TOTAL			431			598			738
CTC	CTC			1558			1517			1517
	TOTAL			1558			1517			1517
CCA	CCA-ADM			1245			1305			1240
	TOTAL			1245			1305			1240
ECC	ECC	539	5739		633	5922		437	6429	
	TOTAL	539	5739		633	5922		437	6429	
ESI	ESI-ADM	125	1089		175	1122		183	1176	
	TOTAL	125	1089		175	1122		183	1176	
EMR	EMR-MES		150							
	EMR-ENER		6			6				6
	TOTAL		156			6				6
ENV	ENV-ECS		963			1105				1077
	TOTAL		963			1105				1077
NHW	NHW-ADM	524	541		434	511		436	597	
	NHW-HSS	100	612		105	584		110	724	
	NHW-SS		335			439				464
	TOTAL	524	1588		639	1735		546	1885	
INA	IAND-IIA		10			5				
	IAND-NA		21			305				300
	TOTAL		31			305				300
IDRC	IDRC		7056			7770				9393
	TOTAL		7056			7770				9393
JUST	JUST-ADM	32	924		37	1102		35	987	
	TOTAL	32	924		37	1102		35	987	
LAB	ILAB		113			113				108
	TOTAL		113			113				108
LRC	LRC	149	404		184	441		183	455	
	TOTAL	149	404		184	441		183	455	
LFB	ILFB		32			36				32
	TOTAL		32			36				32

(CONTINUED)

TABLE 65

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: INTRAMURAL

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
NDEF	NDEF-SER			1021				1090		1165
	TOTAL			1021				1090		1165
NMUS	NMUS		216	3604		238	3966		253	4215
	TOTAL		216	3604		238	3966		253	4215
RIE	RIE		28							
	TOTAL		28							
REV	REV-TAX			90			134			137
	TOTAL			90			134			137
SC	SC			1568			1740			1803
	TOTAL			1568			1740			1803
SECS	SECS-CIT			410			503			468
	SECS-ES			250			465			250
	SECS-OL			1416			1474			1548
	TOTAL			2076			2432			2265
SSHRC	SSHRC			3486			3926			3845
	TOTAL			3486			3926			3845
SGEN	SGEN-ADM		50	2270		50	2750		50	2750
	TOTAL		50	2270		50	2750		50	2750
STCAN	STCAN		394	7628		493	8603		493	8941
	TOTAL		394	7628		493	8603		493	8941
SS	SS-SUPP			2			2			2
	TOTAL			2			2			2
TPT	TPT-ADM			25			8			36
	TPT-SUR			140			100			100
	TOTAL			165			108			136
TOTAL	TOTAL		2058	46096		2350	51063		2182	54135

TABLE 66

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN INDUSTRY

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
AGR	AGR-DEV	.	.	.	.	63	.	.	.	.
	TOTAL	.	.	.	.	63	.	.	.	.
CC	COC	.	10	.	.	4	.	.	5	.
	TOTAL	.	10	.	.	4	.	.	5	.
CMHC	CMHC	.	213	.	625	1020	.	565	925	.
	TOTAL	.	213	.	625	1020	.	565	925	.
CRTC	CRTC	.	10	.	.	.	.	.	.	.
	TOTAL	.	10	.	.	.	.	.	.	.
CTC	CTC	.	127	.	.	129	.	.	129	.
	TOTAL	.	127	.	.	129	.	.	129	.
CCA	CCA-ADM	.	703	.	.	724	.	.	312	.
	TOTAL	.	703	.	.	724	.	.	312	.
ECC	ECC	.	215	.	.	115	.	.	150	.
	TOTAL	.	215	.	.	115	.	.	150	.
E&I	E&I-ADM	.	7	.	.	.	.	.	.	.
	TOTAL	.	7	.	.	.	.	.	.	.
EMR	EMR-MES	.	2552	.	.	989	.	.	1572	.
	TOTAL	.	2552	.	.	989	.	.	1572	.
ENV	ENV-ADM	.	.	.	.	.	.	.	125	.
	ENV-PC	.	69	.	.	73	.	.	72	.
	TOTAL	.	69	.	.	73	.	.	72	.
H&W	NHW-HSS	.	223	.	.	262	.	.	280	.
	NHW-SS	.	19	.	.	5	.	.	20	.
	TOTAL	.	241	.	.	267	.	.	310	.
INA	LAND-NA	.	28	.	.	.	.	.	.	.
	TOTAL	.	28	.	.	.	.	.	.	.
JUST	JUST-ADM	20	108	.	.	107	.	.	78	.
	TOTAL	20	108	.	.	107	.	.	78	.
LFB	LFB	.	10	.	.	25	.	.	25	.
	TOTAL	.	10	.	.	25	.	.	25	.
NCC	NCC	.	.	.	.	30	.	.	.	.
	TOTAL	.	.	.	.	30	.	.	.	.
SC	SC	.	373	.	.	392	.	.	408	.
	TOTAL	.	373	.	.	392	.	.	408	.
SECS	SECS-CIT	.	72	.	300	215	.	300	257	.
	SECS-ES	.	.	.	.	325	.	.	.	.
	SECS-OL	.	34	.	.	.	.	.	.	.
	TOTAL	.	108	.	300	544	.	300	257	.

(CONTINUED)

TABLE 66

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN INDUSTRY

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
(\$.000)		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
SGEN	SGEN-ADM		1099			1398			1398	
	TOTAL		1099			1398			1398	
SS	SS-SUPP		86			78			86	
	TOTAL		86			78			86	
TPT	TPT-ADM		66			14			45	
	TPT-SUR		83			50			50	
	TOTAL		149			64			95	
TOTAL	TOTAL	20	6105		925	6002		865	6050	

TABLE 67

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN UNIVERSITY

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
CMHC	CMHC	2	.	.	65	200	.	60	180	.
	TOTAL	2	.	.	65	200	.	60	180	.
CIDA	CIDA	.	.	400	.	.	450	.	.	500
	TOTAL	.	.	400	.	.	450	.	.	500
CRTC	CRTC	.	.	.	40	.	.	40	.	.
	TOTAL	.	.	.	40	.	.	40	.	.
CTC	CTC	.	58	.	.	59	.	.	59	.
	TOTAL	.	58	.	.	59	.	.	59	.
CCA	CCA-ADM	.	333	.	.	343	.	.	161	.
	TOTAL	.	333	.	.	343	.	.	161	.
ECC	ECC	.	53	.	.	50	.	.	50	.
	TOTAL	.	53	.	.	50	.	.	50	.
ESI	ESI-ADM	.	.	.	.	25	.	.	25	.
	TOTAL	.	.	.	.	25	.	.	25	.
EMR	EMR-MES	125	.	.	162	.	.	196	.	.
	EMR-ENER	265	.	.	294	.	.	207	.	.
	TOTAL	393	.	.	481	.	.	503	.	.
ENV	ENV-ADM	.	.	.	.	.	.	100	180	80
	ENV-ECS	22	.	.	22	.	.	22	.	.
	ENV-PC	.	38	.	.	40	.	.	40	.
	TOTAL	22	38	.	22	40	.	122	180	80
HSM	NHW-HSS	3032	123	717	3288	140	950	3550	160	1000
	NHA-SS	828	17	8	335	.	5	502	20	.
	TOTAL	3860	150	725	4223	140	955	4059	170	1000
IHA	IAND-HA	240	.	.	252	.	.	282	.	.
	TOTAL	240	.	.	252	.	.	282	.	.
IDRC	IDRC	674	.	.	940	.	.	1488	.	.
	TOTAL	674	.	.	940	.	.	1488	.	.
JUST	JUST-AOM	.	71	84	.	100	95	.	79	95
	TOTAL	.	71	84	.	100	95	.	79	95
LAB	LAB	32	147	.	40	37	.	40	.	.
	TOTAL	32	147	.	40	37	.	40	.	.
PC	PC	65	.	.	65	.	.	65	.	.
	TOTAL	65	.	.	65	.	.	65	.	.
SC	SC	.	24	.	.	22	.	.	23	.
	TOTAL	.	24	.	.	22	.	.	23	.
SECS	SECS-CIT	113	26	.	180	290	.	200	224	.
	SECS-ES	.	.	.	2187	.	.	.	.	.

CONTINUED

TABLE 67

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN UNIVERSITY

		YEAR									
		1983-84			1984-85			1985-86			
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:			
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	
DEPARTMENT:	PROGRAM:										
SECS	TOTAL	119	29	.	8492	230	.	2000	324	.	.
SSHRC	SSHRC	30371	.	5544	31624	.	6255	28890	.	6420	.
	TOTAL	30371	.	5544	31624	.	6255	28890	.	6420	.
SGEN	SGEN-ADM	600	700	.	700	1000	.	700	1000	.	.
	TOTAL	600	700	.	700	1000	.	700	1000	.	.
SS	SS-SUPP	.	90	.	.	90	.	.	90	.	.
	TOTAL	.	90	.	.	90	.	.	90	.	.
TPT	TPT-ADM	.	28	.	.	15	.	.	50	.	.
	TPT-SUR	12	92	.	12	77	.	12	85	.	.
	TOTAL	12	120	.	12	92	.	12	125	.	.
TOTAL	TOTAL	36390	1813	5753	46956	2428	7759	35261	2487	8095	

TABLE 68

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY*

SCIENCE TYPE: HUMAN
AND PERFORMANCE: CANADIAN N.P. INST

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
CMHC	CMHC	1027	17	.	409	80	.	370	75	.
	TOTAL	1027	17	.	409	80	.	370	75	.
CRTC	CRTC	66	.	.	35	.	.	35	.	.
	TOTAL	66	.	.	35	.	.	35	.	.
E&I	E&I-ADM	.	16	.	.	24	.	.	25	.
	TOTAL	.	16	.	.	24	.	.	25	.
EMR	EMR-MES	16	.	.	1250	.	.	1250	.	.
	TOTAL	16	.	.	1250	.	.	1250	.	.
ENV	ENV-ADM	.	.	.	.	.	.	.	25	.
	TOTAL	.	.	.	.	.	.	.	25	.
H&W	NHW-HSS	300	.	22	363	.	.	410	.	.
	NHW-SS	1331	60	.	1315	20	.	1158	40	.
	TOTAL	1651	60	22	1978	20	.	1578	40	.
INA	LAND-NA	.	32	.	.	.	.	.	.	.
	TOTAL	.	32	.	.	.	.	.	.	.
IDPC	IDRC	790	.	.	935	.	.	1160	.	.
	TOTAL	790	.	.	935	.	.	1160	.	.
JUST	JUST-ADM	37	383	.	37	478	.	37	74	.
	TOTAL	37	383	.	37	478	.	37	74	.
LAB	LAB	33	.	.	.	.	.	.	.	.
	TOTAL	33	.	.	.	.	.	.	.	.
LRC	LRC	.	6	.	.	11	.	.	11	.
	TOTAL	.	6	.	.	11	.	.	11	.
PC	PC	64	.	.	25	.	.	25	.	.
	TOTAL	64	.	.	25	.	.	25	.	.
SC	SC	.	41	.	.	65	.	.	57	.
	TOTAL	.	41	.	.	65	.	.	57	.
SECS	SECS-CIV	350	70	.	840	125	.	750	278	.
	TOTAL	350	70	.	842	125	.	750	278	.
SGEN	SGEN-ADM	668	30	.	2448	800	.	2448	800	.
	TOTAL	668	30	.	2448	800	.	2448	800	.
SS	SS-SUPP	.	10	.	20	.	.	20	.	.
	TOTAL	.	10	.	20	.	.	20	.	.
TPT	TPT-ADM	.	15	.	.	.	.	.	.	.
	TPT-SUR	.	33	.	.	.	.	.	.	.
	TOTAL	.	48	.	.	.	.	.	.	.
TS	TS-ADM	141	.	.	149	.	.	153	.	.
	TOTAL	141	.	.	149	.	.	153	.	.

(CONTINUED)

TABLE 68

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: CANADIAN & P. INST

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
DEPARTMENT:	PROGRAM:									
TOTAL	TOTAL	4843	713	22	7807	1613		7806	1405	

TABLE 69

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: PROV. MUN. GOVERNMENT

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
CMHC	CMHC		10		20	50		18	45	
	TOTAL		10		20	50		18	45	
EMR	EMR-MES				620			750		
	TOTAL				620			750		
H&W	NHW-HSS							20		
	NHW-SS	80	5						5	
	TOTAL	80	5					20	5	
JUST	JUST-ADM		49			26			46	
	TOTAL		49			26			46	
NDC	NDC		10			10			10	
	TOTAL		10			10			10	
SGEN	SGEN-ADM	900	20		1000	500		1000	500	
	TOTAL	900	20		1000	500		1000	500	
TOTAL	TOTAL	980	94		1640	585		1788	505	

TABLE 70

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: FOREIGN PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
CIDA	CIDA	1500	.	.	1200	.	.	1250	.	.
	TOTAL	1500	.	.	1200	.	.	1250	.	.
CTC	CTC	.	27	.	.	27	.	.	27	.
	TOTAL	.	27	.	.	27	.	.	27	.
CCA	CCA-ADM	.	2	.	.	2	.	.	3	.
	TOTAL	.	2	.	.	2	.	.	3	.
H&W	NHW-HSS	47	.	286	9	.	301	15	.	315
	TOTAL	47	.	286	9	.	301	15	.	315
IDRC	IDRC	11762	.	1048	11708	.	1149	13436	.	1318
	TOTAL	11762	.	1048	11708	.	1149	13425	.	1318
JUST	JUST-ADM	.	18	.	.	10	.	.	18	.
	TOTAL	.	18	.	.	10	.	.	18	.
LAB	LAB	3	.	.	.	.	.	.	.	.
	TOTAL	3	.	.	.	.	.	.	.	.
SC	SC	.	27	.	.	25	.	.	27	.
	TOTAL	.	27	.	.	25	.	.	27	.
TOTAL	TOTAL	12310	74	1334	12917	55	1450	14700	75	1533

TABLE 71

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: OTHER PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
CMHC	CMHC	26	142		115	250		105	225	
	TOTAL	26	142		115	250		105	225	
CRTC	CRTC	4	65			66			70	
	TOTAL	4	65			66			70	
CTC	CTC		58			59			59	
	TOTAL		58			59			59	
ECC	ECC		250			260			257	
	TOTAL		250			260			257	
E&I	E&I-ADM					10			10	
	TOTAL					10			10	
ENV	ENV-EOS		44			44			44	
	ENV-PC		181			192			206	
	TOTAL		225			236			250	
ESW	NHW-HSS		8			10			11	
	NHW-SS					45			20	
	TOTAL		8			55			31	
INA	IAND-TIA	114			12					
	IAND-NA		48							
	TOTAL	114	48		12					
IDRC	IDRC			241			343			394
	TOTAL			241			343			334
JUST	JUST-ADM		379			577			402	
	TOTAL		379			577			402	
LAB	LAB	33			62			62		
	TOTAL	33			62			62		
LRC	LRC		1558			1552			1552	
	TOTAL		1558			1552			1552	
LFB	LFB		20			20			20	
	TOTAL		20			20			20	
NCC	NCC		20							
	TOTAL		20							
NMUS	NMUS		217			236			246	
	TOTAL		217			236			246	
SC	SC		331			341			355	
	TOTAL		331			341			355	
SECS	SECS-ADM		1						27	
	SECS-CIT	252	142		1570	163		1500	182	
	SECS-ES		1200			1200			230	

(CONTINUED)

TABLE 71

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: OTHER PERFORMERS

		YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
(\$.000)		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
DEPARTMENT:	PROGRAM:									
SECS	TOTAL	252	1343	-	1570	1363	-	1500	465	-
SGEN	SGEN-ADM	60	20	-	450	-	-	450	-	-
	TOTAL	60	20	-	450	-	-	450	-	-
TOTAL	TOTAL	489	4684	241	2209	5125	343	2117	4043	394

TABLE 72

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: TOTAL

DEPARTMENT:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:		
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
AGR	AGR-DEV	.	.	.	.	63	.	.	.	.
	TOTAL	.	.	.	.	63	.	.	.	.
CC	CDC	.	11	109	.	5	109	.	7	114
	TOTAL	.	11	109	.	5	109	.	7	114
CMHC	CMHC	1055	382	2325	1234	1600	2780	1118	1450	2970
	TOTAL	1055	382	2325	1234	1600	2780	1118	1450	2970
CIDA	CIDA	1500	.	733	1200	.	835	1250	.	878
	TOTAL	1500	.	733	1200	.	835	1250	.	878
CRTC	CRTC	70	75	431	75	55	598	75	70	738
	TOTAL	70	75	431	75	55	598	75	70	738
CTC	CTC	.	270	1558	.	274	1517	.	274	1517
	TOTAL	.	270	1558	.	274	1517	.	274	1517
CCA	CCA-ADM	.	1035	1245	.	1059	1306	.	476	1240
	TOTAL	.	1035	1245	.	1059	1306	.	476	1240
CCC	CCC	.	1057	5739	.	1058	5922	.	894	6429
	TOTAL	.	1057	5739	.	1058	5922	.	894	6429
E&I	E&I-ADM	.	148	1098	.	234	1122	.	244	1176
	TOTAL	.	148	1098	.	234	1122	.	244	1176
EMR	EMR-MES	141	2552	150	2057	868	.	2156	1672	.
	EMR-ENER	268	.	6	294	.	3	307	.	6
	TOTAL	409	2552	156	2057	868	6	2503	1672	6
ENV	ENV-ADM	.	.	.	.	.	.	100	300	90
	ENV-ECS	22	44	963	22	44	1105	22	33	1277
	ENV-PC	.	288	.	.	305	.	.	303	.
	TOTAL	22	332	963	22	349	1105	122	657	1157
H&W	NHW-ADM	.	424	541	.	434	612	.	438	697
	NHW-HSS	3999	464	1637	3660	517	1935	3995	561	2035
	NHW-SS	2239	103	343	2250	70	443	1677	105	464
	TOTAL	5638	988	2621	5910	1021	2895	5672	1102	3200
I&A	IAND-IIA	114	.	10	12	.	5	.	.	.
	IAND-NA	240	108	21	252	.	300	282	.	300
	TOTAL	354	108	31	264	.	305	282	.	300
IDRC	IDRC	13225	.	8345	13583	.	9262	15083	.	11105
	TOTAL	13225	.	8345	13583	.	9262	15083	.	11105
JUST	JUST-ADM	57	1040	1008	37	1335	1197	37	732	1082
	TOTAL	57	1040	1008	37	1335	1197	37	732	1082
LAB	LAB	101	147	113	102	37	113	102	.	109
	TOTAL	101	147	113	102	37	113	102	.	109

(CONTINUED)

TABLE 72

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND PERFORMER: TOTAL

		YEAR									
		1983-84			1984-85			1985-86			
		PAYMENT TYPE:			PAYMENT TYPE:			PAYMENT TYPE:			
		GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	GRANTS	CONTRACTS	OTHER	
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	
DEPARTMENT:	PROGRAM:										
LRC	LRC	.	1713	424	.	1847	441	.	1846	458	
	TOTAL	.	1713	424	.	1847	441	.	1846	458	
LFB	LFB	.	30	92	.	45	96	.	45	99	
	TOTAL	.	30	92	.	45	96	.	45	99	
NCC	NCC	.	30	.	.	40	.	.	10	.	
	TOTAL	.	30	.	.	40	.	.	10	.	
NDEF	NDEF-SER	.	.	1021	.	.	1090	.	.	1165	
	TOTAL	.	.	1021	.	.	1090	.	.	1165	
NMUS	NMUS	.	433	3604	.	474	3966	.	499	4215	
	TOTAL	.	433	3604	.	474	3966	.	499	4215	
PC	PC	129	.	.	90	.	.	90	.	.	
	TOTAL	129	.	.	90	.	.	90	.	.	
RIE	RIE	.	28	.	.	.	.	.	.	.
	TOTAL	.	28	.	.	.	.	.	.	.
REV	REV-TAX	.	.	90	.	.	134	.	.	137	
	TOTAL	.	.	90	.	.	134	.	.	137	
SC	SC	.	796	1568	.	836	1740	.	870	1803	
	TOTAL	.	796	1568	.	836	1740	.	870	1803	
SECS	SECS-ADM	.	1	.	.	.	.	.	27	.	
	SECS-CIT	721	315	410	4017	733	503	4550	1048	488	
	SECS-ES	.	1203	250	7157	1529	456	.	250	250	
	SECS-DL	.	34	1416	.	.	1474	.	.	1548	
	TOTAL	721	1550	2075	11204	2282	2432	4550	1325	2286	
SSHRC	SSHRC	30371	.	3030	31624	.	10081	28890	.	10255	
	TOTAL	30371	.	3030	31624	.	10081	28890	.	10255	
SGEN	SGEN-ADM	2228	1919	2270	4598	3748	2750	4598	3748	2750	
	TOTAL	2228	1919	2270	4598	3748	2760	4598	3748	2750	
STCAN	STCAN	.	394	7628	.	493	8603	.	493	8941	
	TOTAL	.	394	7628	.	493	8603	.	493	8941	
SS	SS-SUPP	.	186	2	.	188	2	.	196	2	
	TOTAL	.	186	2	.	188	2	.	196	2	
TPT	TPT-ADM	.	109	25	.	29	8	.	95	36	
	TPT-SUR	12	308	140	12	127	100	12	135	100	
	TOTAL	12	317	162	12	155	108	12	130	135	
Tb	Tb-ADM	141	.	.	148	.	.	153	.	.	
	TOTAL	141	.	.	148	.	.	153	.	.	
TOTAL	TOTAL	56034	15541	54446	72654	18163	50615	65537	15850	64251	

TABLE 7.3

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY PERFORMER

SCIENCE TYPE: HUMAN
AND ACTIVITY: RSA

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$,000)		(\$,000)		(\$,000)	
	\$	%	\$	%	\$	%
INTRAMURAL	436818	89	456533	87	459903	88
CANADIAN INDUSTRY	8648	2	11176	2	11144	2
CANADIAN UNIVERSITY	19798	4	23428	4	23115	4
CANADIAN N P INST	8912	2	8984	2	8667	2
PROV. MUN. GOVERNMENT	6557	1	7164	1	7540	1
FOREIGN PERFORMERS	7093	1	8721	2	8100	2
OTHER PERFORMERS	5004	1	6552	1	6832	1
TOTAL	492830	100	522558	100	525301	100

TABLE 74

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND ACTIVITY: RSA

		YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
DEPARTMENT:	PROGRAM:										
AGR	AGR-DEV	1977	118	2095	3418	156	3574	3344	161	3505	
	TOTAL	1977	118	2095	3418	156	3574	3344	161	3505	
CC	CDC	121	9	130	122	10	132	127	10	137	
	TOTAL	121	9	130	122	10	132	127	10	137	
CEIC	CEIC	8658	473	9131	9146	620	9766	9598	649	10247	
	TOTAL	8658	473	9131	9146	620	9766	9598	649	10247	
CMHC	CMHC	4941	2944	7885	5900	3397	9297	6310	2835	9145	
	TOTAL	4941	2944	7885	5900	3397	9297	6310	2835	9145	
CBC	CBC	2463	2576	5039	2417	3042	5459	2513	3165	5678	
	TOTAL	2463	2576	5039	2417	3042	5459	2513	3165	5678	
CHRC	CHRC	357	.	357	553	.	553	500	.	500	
	TOTAL	357	.	357	553	.	553	500	.	500	
CIDA	CIDA	2310	1328	3638	2068	1554	3622	2109	1756	3865	
	TOTAL	2310	1328	3638	2068	1554	3622	2109	1756	3865	
CRTC	CRTC	.	22	22	.	30	30	.	30	30	
	TOTAL	.	22	22	.	30	30	.	30	30	
CTC	CTC	1587	.	1587	1580	.	1580	1580	.	1580	
	TOTAL	1587	.	1587	1580	.	1580	1580	.	1580	
COL	COL	2723	.	2723	3108	.	3108	2998	.	2998	
	TOTAL	2723	.	2723	3108	.	3108	2998	.	2998	
COMM	COMM-COMM	1791	50	1841	3614	.	3614	4364	.	4364	
	TOTAL	1791	50	1841	3614	.	3614	4364	.	4364	
CCA	CCA-ADM	101	86	187	64	61	125	66	64	130	
	CCA-CON	2922	.	2922	5280	.	5280	3501	.	3501	
	TOTAL	3023	86	3109	5344	61	5405	3567	64	3631	
ECC	ECC	1268	.	1268	1365	.	1365	1420	.	1420	
	TOTAL	1268	.	1268	1365	.	1365	1420	.	1420	
ED	MSED	19418	395	19813	6934	0	6934	.	.	.	
	TOTAL	19418	395	19813	6934	0	6934	.	.	.	
E&I	E&I-AOM	10484	1081	11565	11478	995	12473	12047	1044	13091	
	TOTAL	10484	1081	11565	11478	995	12473	12047	1044	13091	
EMR	EMR-MES	7433	.	7433	9555	.	9555	12124	.	12124	
	TOTAL	7433	.	7433	9555	.	9555	12124	.	12124	
ENV	ENV-ADM	.	18	18	4	3	7	.	35	35	
	ENV-ECS	4534	84	4618	5035	84	5119	4908	84	4992	
	ENV-PC	5830	309	5139	5184	328	5512	6553	347	6900	
	TOTAL	10364	411	10775	11223	415	11638	11451	466	11927	
EA	EA-CIA	6459	2192	8651	7410	4460	11870	7751	3890	11641	

(CONTINUED)

TABLE 74

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND ACTIVITY: RSA

DEPARTMENT:	PROGRAM:	YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
EA	TOTAL	6459	2192	8651	7410	4460	11870	7751	3890	11641	
FIN	FIN-FEP	17148	.	17148	18929	.	18929	18895	.	18895	
	TOTAL	17148	.	17148	18929	.	18929	18895	.	18895	
F&O	F&O-FM	1749	1061	2810	2288	1624	3912	2436	1281	3717	
	TOTAL	1749	1061	2810	2288	1624	3912	2436	1281	3717	
H&W	NHW-ADM	7130	3268	10396	6947	3323	10270	7512	3383	10895	
	NHW-HSS	567	1903	2470	610	2248	2858	654	2505	3159	
	NHW-IS	824	.	824	882	.	882	1067	25	1092	
	NHW-SS	243	3801	4044	302	4076	4378	326	4135	4461	
	TOTAL	8764	8970	17734	8741	9647	18388	9559	10048	19607	
INA	IAND-IIA	.	48	48	25	.	25	42	.	42	
	IANO-NA	.	80	80	651	2217	2868	651	1779	2430	
	TOTAL	.	128	128	676	2217	2893	693	1779	2472	
IDRC	IDRC	7303	2080	9383	9282	3350	12632	9795	2712	12507	
	TOTAL	7303	2080	9383	9282	3350	12632	9795	2712	12507	
JUST	JUST-ADM	656	2007	2663	653	2255	2908	697	2706	3403	
	JUST-CUO	1770	.	1770	420	.	420	.	.	.	
	TOTAL	2426	2007	4433	1073	2255	3328	697	2706	3403	
LAB	LAB	4518	179	4697	4614	927	5541	4836	1105	5941	
	TOTAL	4518	179	4697	4614	927	5541	4836	1105	5941	
LRC	LRC	496	501	997	490	446	936	512	421	933	
	TOTAL	496	501	997	490	446	936	512	421	933	
LFB	LFB	27	.	27	28	.	28	28	.	28	
	TOTAL	27	.	27	28	.	28	28	.	28	
NCC	NCC	441	74	515	450	100	550	470	134	604	
	TOTAL	441	74	515	450	100	550	470	134	604	
NOEF	NDEF-SER	1551	144	1695	1656	184	1840	1771	162	1933	
	TOTAL	1551	144	1695	1656	184	1840	1771	162	1933	
NEB	NEB	1685	.	1685	1628	.	1628	1954	.	1964	
	TOTAL	1685	.	1685	1628	.	1628	1954	.	1964	
NLIB	NLIB	29593	28	29621	31706	37	31743	32815	42	32857	
	TOTAL	29593	28	29621	31706	37	31743	32815	42	32857	
NMUS	NMUS	32338	6928	39287	35221	7555	42776	34966	7850	42826	
	TOTAL	32338	6928	39287	35221	7555	42776	34966	7850	42826	
PA	PA	15977	529	16506	16670	.	16670	16788	.	16788	
	TOTAL	15977	529	16506	16670	.	16670	16788	.	16788	
RIE	RIE	305	286	591	500	300	800	120	235	355	
	TOTAL	305	286	591	500	300	800	120	235	355	

(CONTINUED)

TABLE 74

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY

SCIENCE TYPE: HUMAN
AND ACTIVITY: RSA

		YEAR									
		1983-84			1984-85			1985-86			
		PERFORMER:			PERFORMER:			PERFORMER:			
		INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	INTRAMURAL	EXTRAMURAL	TOTAL	
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	
DEPARTMENT:	PROGRAM:										
REV	REV-TAX	2154	.	2154	2843	.	2843	2918	.	2918	
	TOTAL	2154	.	2154	2843	.	2843	2918	.	2918	
SC	SC	2218	.	2218	2271	.	2271	2368	.	2368	
	TOTAL	2218	.	2218	2271	.	2271	2368	.	2368	
ST	ST	8739	383	9122	6105	.	6105	6953	.	6953	
	TOTAL	8739	383	9122	6105	.	6105	6953	.	6953	
SECS	SECS-ADM	803	47	850	822	73	895	846	170	1016	
	SECS-CIT	.	50	50	.	239	239	.	.	.	
	SECS-ES	.	260	280	.	.	.	.	.	.
	SECS-OL	321	731	1052	335	893	1228	276	938	1214	
	TOTAL	1124	1088	2212	1157	1205	2362	1122	1108	2230	
SSHRC	SSHRC	2169	18514	20683	2213	18880	21093	2412	19314	21726	
	TOTAL	2169	18514	20683	2213	18880	21093	2412	19314	21726	
SGEN	SGEN-ADM	1095	996	2091	1000	1900	2900	1000	1750	2750	
	TOTAL	1095	996	2091	1000	1900	2900	1000	1750	2750	
STCAN	STCAN	193171	94	193265	204213	99	204312	206566	94	206660	
	TOTAL	193171	94	193265	204213	99	204312	206566	94	206660	
SS	SS-SUPP	3	290	293	3	292	295	4	304	308	
	TOTAL	3	290	293	3	292	295	4	304	308	
TPT	TPT-ADM	10	46	56	53	267	320	39	273	312	
	TOTAL	10	46	56	53	267	320	39	273	312	
TB	TB-ADM	16437	.	16437	17488	.	17488	18363	.	18363	
	TOTAL	16437	.	16437	17488	.	17488	18363	.	18363	
TOTAL	TOTAL	436818	56012	492830	456533	66025	522558	459903	65398	525301	

TABLE 75

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN
AND YEAR: 1983-84

	CATEGORY:							TOTAL	
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY		
ACTIVITY:									
INTRAMURAL R&D	32	333	78	52	126	0	21	642	
INTRAMURAL RSA	358	2030	1575	1484	3127	177	12	8764	
ADMIN. OF EXTRAMURAL PROGRAMS	22	118	90	13	141	1	.	385	
TOTAL	413	2482	1743	1549	3395	178	33	9792	

SCIENCE TYPE: HUMAN
AND YEAR: 1984-85

	CATEGORY:							TOTAL	
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY		
ACTIVITY:									
INTRAMURAL R&D	38	354	81	54	122	0	21	669	
INTRAMURAL RSA	307	2063	1519	1497	2974	194	12	8566	
ADMIN. OF EXTRAMURAL PROGRAMS	25	145	100	14	141	1	.	426	
TOTAL	370	2561	1700	1565	3237	195	33	9661	

SCIENCE TYPE: HUMAN
AND YEAR: 1985-86

	CATEGORY:							TOTAL	
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY		
ACTIVITY:									
INTRAMURAL R&D	39	354	85	52	114	1	21	665	
INTRAMURAL RSA	336	2061	1492	1459	2810	171	12	8341	
ADMIN. OF EXTRAMURAL PROGRAMS	25	151	103	14	138	2	.	433	
TOTAL	400	2566	1680	1525	3062	173	33	9439	

TABLE 76-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN
AND YEAR: 1983-84

DEPARTMENT:		CATEGORY:							TOTAL	
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY		
DEPARTMENT:		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
AGR	AGR-DEV		1	29	8	2	8	.	48	
	TOTAL		1	29	8	2	8	.	48	
CC	CDC		.	3	.	2	2	.	6	
	TOTAL		.	3	.	2	2	.	6	
CEIC	CEIC	4	76	24	22	44	.	.	170	
	TOTAL	4	76	24	22	44	.	.	170	
CMHC	CMHC	1	75	.	.	41	.	.	117	
	TOTAL	1	75	.	.	41	.	.	117	
CBC	CBC	4	22	1	25	2	.	.	54	
	TOTAL	4	22	1	25	2	.	.	54	
CHRC	CHRC	1	3	1	.	.	1	.	6	
	TOTAL	1	3	1	.	.	1	.	6	
CIDA	CIDA	1	3	26	3	8	.	.	41	
	TOTAL	1	3	26	3	8	.	.	41	
CRTC	CRTC	.	1	2	3	5	.	.	11	
	TOTAL	.	1	2	3	5	.	.	11	
CTC	CTC	2	42	.	11	11	.	.	66	
	TOTAL	2	42	.	11	11	.	.	66	
CDL	COL	7	.	45	.	11	.	.	63	
	TOTAL	7	.	45	.	11	.	.	63	
COMM	COMM-COMM	3	15	4	.	3	.	.	25	
	TOTAL	3	15	4	.	3	.	.	25	
CCA	CCA-ADM	3	26	3	4	7	.	.	43	
	CCA-CON	1	9	9	31	7	3	.	60	
	TOTAL	4	35	12	35	14	3	.	103	
ECC	ECC	3	57	23	16	36	.	.	135	
	TOTAL	3	57	23	16	36	.	.	135	
ED	MSED	99	32	77	5	78	.	.	291	
	TOTAL	99	32	77	5	78	.	.	291	
E&I	E&I-ADM	6	88	8	25	53	.	.	180	
	TOTAL	6	88	8	25	53	.	.	180	
EMR	EMR-MES	8	73	8	13	36	.	.	138	
	TOTAL	8	73	8	13	36	.	.	138	
ENV	ENV-ECS	1	39	7	8	12	1	.	68	
	ENV-PC	.	54	7	74	32	2	.	169	
	TOTAL	1	93	14	82	44	3	.	237	
EA	EA-CIA	3	7	66	.	39	.	.	115	
	TOTAL	3	7	66	.	39	.	.	115	
FIN	FIN-FEP	20	150	25	22	51	.	.	268	

(CONTINUED)

TABLE 76-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN
AND YEAR: 1983-84

		CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
DEPARTMENT:	DEPARTMENT:								
FIN	TOTAL	20	150	25	22	51	-	-	268
F&O	F&O-FM	3	49	5	7	7	-	-	70
	TOTAL	3	49	5	7	7	-	-	70
H&W	NHW-ADM	9	68	11	44	32	-	-	164
	NHW-HSS	1	15	8	-	6	3	-	32
	NHW-IS	1	11	4	2	2	-	-	20
	NHW-SS	2	6	-	-	6	-	-	14
	TOTAL	13	100	23	46	46	3	-	230
INA	IAND-IIA	-	-	-	-	0	-	-	0
	IAND-NA	-	-	-	-	1	-	-	1
	TOTAL	-	-	-	-	1	-	-	1
IDRC	IDRC	5	50	12	48	66	-	-	181
	TOTAL	5	50	12	48	66	-	-	181
JUST	JUST-ADM	4	15	6	-	14	-	-	38
	JUST-CUIO	1	-	6	-	6	-	-	13
	TOTAL	5	15	12	-	20	-	-	51
LAB	LAB	3	35	13	46	15	-	-	112
	TOTAL	3	35	13	46	15	-	-	112
LRC	LRC	4	2	5	1	17	-	-	29
	TOTAL	4	2	5	1	17	-	-	29
LFB	LFB	0	1	-	-	1	-	-	2
	TOTAL	0	1	-	-	1	-	-	2
NCC	NCC	-	6	3	-	-	-	-	9
	TOTAL	-	6	3	-	-	-	-	9
NDEF	NDEF-SER	-	17	4	-	14	-	33	68
	TOTAL	-	17	4	-	14	-	33	68
NEB	NEB	1	26	1	1	9	-	-	38
	TOTAL	1	26	1	1	9	-	-	38
NLIB	NLIB	10	216	55	47	213	-	-	541
	TOTAL	10	216	55	47	213	-	-	541
NMUS	NMUS	24	68	173	180	132	127	-	704
	TOTAL	24	68	173	180	132	127	-	704
PA	PA	9	108	4	74	85	2	-	282
	TOTAL	9	108	4	74	85	2	-	282
RIE	RIE	-	4	-	-	-	1	-	5
	TOTAL	-	4	-	-	-	1	-	5
REV	REV-TAX	2	27	-	-	-	-	-	29
	TOTAL	2	27	-	-	-	-	-	29
SC	SC	6	17	22	5	17	-	-	67

(CONTINUED)

TABLE 76-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN
AND YEAR: 1983-84

DEPARTMENT:		CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
SC	TOTAL	6	17	22	5	17	.	.	67
ST	ST	35	19	55	.	27	.	.	136
	TOTAL	35	19	55	.	27	.	.	136
SECS	SECS-ADM	1	5	.	1	2	.	.	9
	SECS-CIT	1	5	.	1	2	.	.	8
	SECS-ES	.	2	.	.	.	.	.	2
	SECS-OL	.	.	44	1	7	.	.	52
	TOTAL	2	12	44	3	11	.	.	71
SSHRC	SSHRC	11	2	44	.	47	.	.	104
	TOTAL	11	2	44	.	47	.	.	104
SGEN	SGEN-ADM	3	57	3	4	24	1	.	92
	TOTAL	3	57	3	4	24	1	.	92
STCAN	STCAN	73	831	776	818	2116	37	.	4651
	TOTAL	73	831	776	818	2116	37	.	4651
SS	SS-SUPP	.	.	.	.	0	.	.	0
	TOTAL	.	.	.	.	0	.	.	0
TPT	TPT-ADM	.	1	.	.	.	.	.	1
	TPT-SUR	1	.	.	.	.	.	.	1
	TOTAL	1	1	.	.	.	.	.	2
TB	TB-ADM	35	14	147	4	42	.	.	242
	TOTAL	35	14	147	4	42	.	.	242
TOTAL	TOTAL	413	2482	1743	1549	3395	178	33	9792

TABLE 76-2

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN
AND YEAR: 1984-85

	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
AGR	AGR-DEV	1	31	20	2	20	.	.	74
	TOTAL	1	31	20	2	20	.	.	74
CC	CDC	.	3	-	2	2	.	.	6
	TOTAL	.	3	.	2	2	.	.	6
CEIC	CEIC	5	85	26	20	38	.	.	174
	TOTAL	5	85	26	20	38	.	.	174
CMHC	CMHC	2	75	.	.	41	.	.	118
	TOTAL	2	75	.	.	41	.	.	118
CBC	CBC	4	22	1	25	2	.	.	54
	TOTAL	4	22	1	25	2	.	.	54
CHRC	CHRC	1	3	3	-	1	.	.	8
	TOTAL	1	3	3	.	1	.	.	8
CIDA	CIDA	1	3	26	3	8	.	.	41
	TOTAL	1	3	26	3	8	.	.	41
CRTC	CRTC	• 1	3	2	3	4	.	.	13
	TOTAL	1	3	2	3	4	.	.	13
CTC	CTC	2	42	-	11	11	.	.	66
	TOTAL	2	42	-	11	11	.	.	66
COL	COL	8	-	41	-	11	.	.	60
	TOTAL	8	-	41	-	11	.	.	60
COMM	COMM-COMM	3	17	5	.	3	.	.	28
	TOTAL	3	17	5	.	3	.	.	28
CCA	CCA-ADM	3	30	2	4	9	.	.	48
	CCA-CON	1	10	13	30	8	3	.	65
	TOTAL	4	40	15	34	17	3	.	113
ECC	ECC	3	53	26	17	34	.	.	133
	TOTAL	3	53	26	17	34	.	.	133
ED	MSED	17	20	43	2	28	.	.	110
	TOTAL	17	20	43	2	28	.	.	110
E&I	E&I-ADM	9	97	9	27	52	.	.	194
	TOTAL	9	97	9	27	52	.	.	194
EMR	EMR-MES	7	87	21	13	40	1	.	159
	TOTAL	7	87	21	13	40	1	.	159
ENV	ENV-ECS	1	39	7	8	12	1	.	68
	ENV-PC	.	54	7	74	32	2	.	159
	TOTAL	1	93	14	82	44	3	.	237
EA	EA-CIA	8	8	56	.	31	.	.	103
	TOTAL	8	8	56	.	31	.	.	103
FIN	FIN-FEP	25	174	25	23	46	.	.	293

(CONTINUED)

TABLE 76-2

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN
AND YEAR: 1984-85

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
FIN	TOTAL	25	174	25	23	46	.	.	293
F&O	F&O-FM	3	59	6	7	7	.	.	80
	TOTAL	3	59	6	7	7	.	.	80
H&W	NHW-ADM	9	67	11	44	32	.	.	163
	NHW-HSS	1	17	9	.	6	3	.	35
	NHW-IS	2	7	5	2	1	.	.	18
	NHW-SS	2	7	.	.	5	.	.	14
	TOTAL	15	99	24	46	44	3	.	231
INA	IAND-IIA	.	1	.	.	0	.	.	1
	IAND-NA	.	17	.	.	3	2	.	22
	TOTAL	.	18	.	.	3	2	.	23
IDRC	IDRC	5	57	15	50	66	.	.	192
	TOTAL	5	57	15	50	66	.	.	192
JUST	JUST-ADM	5	12	7	.	13	.	.	37
	JUST-CUIO	1	.	2	.	2	.	.	5
	TOTAL	6	12	9	.	15	.	.	42
LAB	LAB	3	34	14	45	14	.	.	110
	TOTAL	3	34	14	45	14	.	.	110
LRC	LRC	4	2	5	1	17	.	.	29
	TOTAL	4	2	5	1	17	.	.	29
LFB	LFB	0	1	.	.	1	.	.	2
	TOTAL	0	1	.	.	1	.	.	2
NCC	NCC	.	6	3	.	.	.	.	9
	TOTAL	.	6	3	.	.	.	.	9
NOEF	NOEF-SER	.	17	4	.	14	.	33	68
	TOTAL	.	17	4	.	14	.	33	68
NEB	NEB	1	19	1	1	8	.	.	30
	TOTAL	1	19	1	1	8	.	.	30
NLIB	NLIB	10	216	57	55	202	.	.	540
	TOTAL	10	216	57	55	202	.	.	540
NMUS	NMUS	24	68	173	180	135	127	.	707
	TOTAL	24	68	173	180	135	127	.	707
PA	PA	9	107	14	75	86	2	.	293
	TOTAL	9	107	14	75	86	2	.	293
RIE	RIE	.	4	.	.	.	1	.	5
	TOTAL	.	4	.	.	.	1	.	5
REV	REV-TAX	2	30	.	.	.	.	.	32
	TOTAL	2	30	.	.	.	.	.	32
SC	SC	6	18	21	5	17	.	.	67

(CONTINUED)

TABLE 76-2

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN
AND YEAR: 1984-85

DEPARTMENT:		CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
SC	TOTAL	6	18	21	5	17	.	.	67
ST	ST	31	11	20	.	15	.	.	77
	TOTAL	31	11	20	.	15	.	.	77
SECS	SECS-ADM	1	4	1	1	2	.	.	9
	SECS-CIT	1	5	.	2	2	.	.	10
	SECS-ES	.	3	.	1	2	.	.	6
	SECS-OL	.	.	43	1	7	.	.	51
	TOTAL	2	12	44	5	13	.	.	76
SSHRC	SSHRC	11	2	44	.	47	.	.	104
	TOTAL	11	2	44	.	47	.	.	104
SGEN	SGEN-ADM	6	66	3	5	26	4	.	110
	TOTAL	6	66	3	5	26	4	.	110
STCAN	STCAN	83	836	769	824	2039	49	.	4600
	TOTAL	83	836	769	824	2039	49	.	4600
SS	SS-SUPP	.	.	.	.	0	.	.	0
	TOTAL	.	.	.	.	0	.	.	0
TPT	TPT-ADM	.	1	.	.	.	.	.	1
	TPT-SUR	1	.	.	.	.	.	.	1
	TOTAL	1	1	.	.	.	.	.	2
TB	TB-ADM	46	11	142	3	36	.	.	238
	TOTAL	46	11	142	3	36	.	.	238
TOTAL	TOTAL	370	2561	1700	1565	3237	195	33	9651

TABLE 76-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN
AND YEAR: 1985-86

DEPARTMENT:	DEPARTMENT:	CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
AGR	AGR-DEV	1	29	17	2	16	.	.	65
	TOTAL	1	29	17	2	16	.	.	65
CC	COC	.	3	.	2	2	.	.	6
	TOTAL	.	3	.	2	2	.	.	6
CEIC	CEIC	5	85	26	20	38	.	.	174
	TOTAL	5	85	26	20	38	.	.	174
CMHC	CMHC	2	75	.	.	41	.	.	118
	TOTAL	2	75	.	.	41	.	.	118
CBC	CBC	4	22	1	25	2	.	.	54
	TOTAL	4	22	1	25	2	.	.	54
CHRC	CHRC	1	3	3	.	1	.	.	8
	TOTAL	1	3	3	.	1	.	.	8
CIDA	CIDA	1	3	26	3	8	.	.	41
	TOTAL	1	3	26	3	8	.	.	41
CRTC	CRTC	1	3	1	• 3	4	.	.	12
	TOTAL	1	3	1	3	4	.	.	12
CTC	CTC	3	45	.	9	9	.	.	66
	TOTAL	3	45	.	9	9	.	.	66
COL	COL	8	.	41	.	11	.	.	60
	TOTAL	8	.	41	.	11	.	.	60
COMM	COMM-COMM	3	21	7	.	3	.	.	34
	TOTAL	3	21	7	.	3	.	.	34
CCA	CCA-ADM	3	23	2	4	6	.	.	38
	CCA-CON	1	10	8	34	8	3	.	64
	TOTAL	4	33	10	38	14	3	.	102
ECC	ECC	3	51	27	18	34	.	.	133
	TOTAL	3	51	27	18	34	.	.	133
E&I	E&I-ADM	9	96	9	27	53	.	.	194
	TOTAL	9	96	9	27	53	.	.	194
EMR	EMR-MES	7	91	21	14	36	.	.	169
	TOTAL	7	91	21	14	36	.	.	169
ENV	ENV-ECS	1	39	7	8	12	1	.	68
	ENV-PC	.	54	7	74	32	2	.	169
	TOTAL	1	93	14	82	44	3	.	237
EA	EA-CIA	8	8	56	.	31	.	.	103
	TOTAL	8	8	56	.	31	.	.	103
FIN	FIN-FEP	51	148	27	26	47	.	.	299
	TOTAL	51	148	27	26	47	.	.	299
F&C	F&O-FM	3	62	6	6	7	.	.	84

(CONTINUED)

TABLE 76-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN
AND YEAR: 1985-86

DEPARTMENT:		CATEGORY:							TOTAL
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
		PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
DEPARTMENT:	DEPARTMENT:								
F&D	TOTAL	3	62	6	6	7	-	-	84
H&W	NHW-ADM	10	63	11	43	31	-	-	158
	NHW-HSS	1	21	9	-	7	5	-	43
	NHW-IS	2	9	10	1	1	-	-	24
	NHW-SS	2	7	-	-	5	-	-	14
	TOTAL	16	100	30	44	44	5	-	239
INA	IAND-IIA	-	2	-	-	-	-	-	2
	IAND-NA	-	17	-	-	3	2	-	22
	TOTAL	-	18	-	-	3	2	-	23
IDRC	IDRC	5	62	19	48	61	-	-	194
	TOTAL	5	62	19	48	61	-	-	194
JUST	JUST-ADM	5	12	7	-	13	-	-	37
	TOTAL	5	12	7	-	13	-	-	37
LAB	LAB	3	34	13	40	13	-	-	103
	TOTAL	3	34	13	40	13	-	-	103
LRC	LRC	4	2	5	1	19	-	-	31
	TOTAL	4	2	5	1	19	-	-	31
LFB	LFB	0	1	-	-	1	-	-	2
	TOTAL	0	1	-	-	1	-	-	2
NCC	NCC	-	6	3	-	-	-	-	9
	TOTAL	-	6	3	-	-	-	-	9
NDEF	NDEF-SER	-	17	4	-	14	-	33	68
	TOTAL	-	17	4	-	14	-	33	68
NEB	NEB	1	26	1	1	9	-	-	38
	TOTAL	1	26	1	1	9	-	-	38
NLIB	NLIB	11	210	54	53	221	-	-	549
	TOTAL	11	210	54	53	221	-	-	549
NMUS	NMUS	30	74	167	180	131	119	-	701
	TOTAL	30	74	167	180	131	119	-	701
PA	PA	9	109	12	76	89	-	-	295
	TOTAL	9	109	12	76	89	-	-	295
RIE	RIE	-	4	-	-	-	1	-	5
	TOTAL	-	4	-	-	-	1	-	5
REV	REV-TAX	2	30	-	-	-	-	-	32
	TOTAL	2	30	-	-	-	-	-	32
SC	SC	6	18	24	4	16	-	-	68
	TOTAL	6	18	24	4	16	-	-	68
ST	ST	32	15	20	-	21	-	-	88
	TOTAL	32	15	20	-	21	-	-	88

(CONTINUED)

TABLE 76-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN
AND YEAR: 1985-86

		CATEGORY:								
		EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY		
DEPARTMENT:	DEPARTMENT:	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
SECS	SECS-ADM	1	5	1	1	2	.	.	10	
	SECS-CIT	1	5	.	2	2	.	.	10	
	SECS-ES	.	2	.	.	.	.	.	2
	SECS-OL	.	.	42	1	4	.	.	47	
	TOTAL	2	12	43	4	8	.	.	69	
SSHRC	SSHRC	11	2	45	.	49	.	.	107	
	TOTAL	11	2	45	.	49	.	.	107	
SGEN	SGEN-ADM	6	66	3	5	26	4	.	110	
	TOTAL	6	66	3	5	26	4	.	110	
STCAN	STCAN	91	856	812	791	1886	36	.	4472	
	TOTAL	91	856	812	791	1886	36	.	4472	
SS	SS-SUPP	.	.	.	.	0	.	.	0
	TOTAL	.	.	.	.	0	.	.	0
TPT	TPT-ADM	.	1	.	.	.	.	.	1
	TPT-SUR	1	.	.	.	.	.	.	1
	TOTAL	1	1	.	.	.	.	.	2
TB	TB-ADM	50	18	128	3	37	.	.	236	
	TOTAL	50	18	128	3	37	.	.	236	
TOTAL	TOTAL	400	2566	1680	1525	3062	173	33	9439	

TABLE 77-1

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY ENVELOPE, BY SCIENCE ACTIVITY .

YEAR 1983-84

	SCIENCE TYPE:																	
	NATURAL						HUMAN						TOTAL					
	ACTIVITY:						ACTIVITY:						ACTIVITY:					
	R&D		RSA		TOTAL		R&D		RSA		TOTAL		R&D		RSA		TOTAL	
	(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)	
	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%
ENVELOPE:																		
ECONOMIC & REGIONAL DEVELOPMENT	1586830	79	332785	50	1919615	72	10782	9	66028	13	76810	12	1597612	74	398813	35	1996425	61
SOCIAL DEVELOPMENT	228461	11	289542	44	518003	19	75206	60	178576	36	253782	41	303667	14	468118	41	771785	23
EXTERNAL AFFAIRS & AID	44196	2	33431	5	77527	3	23804	19	13021	3	36825	6	68000	3	46452	4	114452	3
DEFENCE	156043	8	1352	0	157395	6	1021	1	1695	0	2716	0	157064	7	3047	0	160111	5
SERVICE TO GOVERNMENT	3411	0	4100	1	7511	0	15208	12	233510	47	248718	40	18619	1	237610	21	256229	8
TOTAL	2018941	100	661210	100	2680151	100	126021	100	492830	100	618851	100	2144962	100	1154040	100	3299002	100

TABLE 77-2

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY ENVELOPE, BY SCIENCE ACTIVITY

YEAR 1984-85

	SCIENCE TYPE:																	
	NATURAL						HUMAN						TOTAL					
	ACTIVITY:						ACTIVITY:						ACTIVITY:					
	R&D		RSA		TOTAL		R&D		RSA		TOTAL		R&D		RSA		TOTAL	
	(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)	
	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%
ENVELOPE:																		
ECONOMIC & REGIONAL DEVELOPMENT	1946140	79	402141	52	2348281	73	10990	7	63432	12	74422	11	1957130	75	465573	36	2422703	62
SOCIAL DEVELOPMENT	259016	11	323914	42	582930	18	97790	65	192437	37	290227	43	356806	14	516351	40	873157	22
EXTERNAL AFFAIRS & AID	48372	2	39416	5	87788	3	24880	16	16254	3	41134	6	73252	3	55670	4	128922	3
DEFENCE	202339	8	1625	0	203964	6	1090	1	1840	0	2930	0	203429	8	3465	0	206894	5
SERVICE TO GOVERNMENT	3809	0	3885	1	7694	0	16488	11	248595	48	285083	39	20297	1	252480	20	272777	7
TOTAL	2459676	100	770981	100	3230657	100	151238	100	522558	100	673795	100	2610914	100	1293539	100	3904453	100

TABLE 77-3

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY ENVELOPE, BY SCIENCE ACTIVITY

YEAR 1985-86

	SCIENCE TYPE:																	
	NATURAL						HUMAN						TOTAL					
	ACTIVITY:			ACTIVITY:			ACTIVITY:			ACTIVITY:			ACTIVITY:			ACTIVITY:		
	R&D		RSA		TOTAL		R&D		RSA		TOTAL		R&D		RSA		TOTAL	
	(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)		(\$,000)	
\$ %		\$ %		\$ %		\$ %		\$ %		\$ %		\$ %		\$ %		\$ %		
ENVELOPE:																		
ECONOMIC & REGIONAL DEVELOPMENT	1954830	79	442741	54	2397571	73	11292	8	58791	11	70083	10	1966122	75	501532	37	2467654	62
SOCIAL DEVELOPMENT	237518	10	331661	40	569179	17	87725	60	196347	37	284072	42	325243	12	528008	39	853251	21
EXTERNAL AFFAIRS & AID	56262	2	43797	5	100059	3	29316	20	16372	3	45688	7	85578	3	60168	4	145747	4
DEFENCE	227221	9	1815	0	229036	7	1165	1	1933	0	3098	0	228386	9	3748	0	232134	6
SERVICE TO GOVERNMENT	3957	0	2532	0	6489	0	17147	12	251858	48	269005	40	21104	1	254390	19	275494	7
TOTAL	2479788	100	822546	100	3302334	100	146645	100	525301	100	671946	100	2628433	100	1347847	100	3974280	100

TABLE 78

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY PERFORMER

ENVELOPE: ECONOMIC & REGIONAL DEVELOPMENT

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$,000)		(\$,000)		(\$,000)	
	\$	%	\$	%	\$	%
INTRAMURAL	1212394	61	1442670	60	1472934	60
CANADIAN INDUSTRY	364149	18	514118	21	560141	23
CANADIAN UNIVERSITY	319841	16	355134	15	332161	13
CANADIAN N P INST	19228	1	13121	1	11064	0
PROV. MUN. GOVERNMENT	26744	1	30078	1	14124	1
FOREIGN PERFORMERS	36925	2	43568	2	58279	2
OTHER PERFORMERS	17144	1	24014	1	18951	1
TOTAL	1996425	100	2422703	100	2467654	100

ENVELOPE: SOCIAL DEVELOPMENT

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$,000)		(\$,000)		(\$,000)	
	\$	%	\$	%	\$	%
INTRAMURAL	489736	63	548016	63	562618	66
CANADIAN INDUSTRY	19807	3	26550	3	25530	3
CANADIAN UNIVERSITY	183020	24	210013	24	180531	21
CANADIAN N P INST	38318	5	41909	5	38332	4
PROV. MUN. GOVERNMENT	15226	2	17799	2	18206	2
FOREIGN PERFORMERS	10895	1	10847	1	9404	1
OTHER PERFORMERS	14783	2	20023	2	18630	2
TOTAL	771785	100	873157	100	853251	100

ENVELOPE: EXTERNAL AFFAIRS & AID

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$,000)		(\$,000)		(\$,000)	
	\$	%	\$	%	\$	%
INTRAMURAL	26550	23	30639	24	34350	24
CANADIAN INDUSTRY	27300	24	31959	25	36118	25
CANADIAN UNIVERSITY	3926	3	4862	4	6309	4
CANADIAN N P INST	820	1	950	1	1188	1
FOREIGN PERFORMERS	55256	48	59772	46	66929	46
OTHER PERFORMERS	600	1	740	1	853	1
TOTAL	114452	100	128922	100	145747	100

TABLE 78

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY PERFORMER

ENVELOPE: DEFENCE

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$.000)		(\$.000)		(\$.000)	
	\$	%	\$	%	\$	%
INTRAMURAL	111580	70	123797	60	131212	57
CANADIAN INDUSTRY	38008	24	72088	35	89725	39
CANADIAN UNIVERSITY	5817	4	5367	3	5675	2
FOREIGN PERFORMERS	3929	2	5331	3	5235	2
OTHER PERFORMERS	777	0	311	0	287	0
TOTAL	160111	100	206894	100	232134	100

ENVELOPE: SERVICE TO GOVERNMENT

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$.000)		(\$.000)		(\$.000)	
	\$	%	\$	%	\$	%
INTRAMURAL	252265	98	268688	99	270775	98
CANADIAN INDUSTRY	2544	1	3046	1	3224	1
CANADIAN UNIVERSITY	416	0	215	0	535	0
CANADIAN N P INST	225	0	205	0	250	0
PROV. MUN. GOVERNMENT	10	0	10	0	70	0
FOREIGN PERFORMERS	206	0	287	0	134	0
OTHER PERFORMERS	563	0	326	0	508	0
TOTAL	256229	100	272777	100	275494	100

TOTAL

PERFORMER:	YEAR					
	1983-84		1984-85		1985-86	
	(\$.000)		(\$.000)		(\$.000)	
	\$	%	\$	%	\$	%
INTRAMURAL	2092525	63	2411810	62	2471889	62
CANADIAN INDUSTRY	451808	14	647761	17	714738	18
CANADIAN UNIVERSITY	513020	16	575591	15	525211	13
CANADIAN N P INST	58591	2	56185	1	50834	1
PROV. MUN. GOVERNMENT	41980	1	47887	1	32400	1
FOREIGN PERFORMERS	107211	3	119805	3	139981	4
OTHER PERFORMERS	33867	1	45414	1	39227	1
TOTAL	3299002	100	3904453	100	3974280	100

TABLE 79

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY ENVELOPE

ENVELOPE:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		SCIENCE TYPE:			SCIENCE TYPE:			SCIENCE TYPE:		
		NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
ECONOMIC & REGIONAL DEVELOPMENT	AGR-ADM	5729	.	5729	5781	.	5781	6148	.	6148
	AGR-CGC	4288	.	4288	4783	.	4783	6729	.	6729
	AGR-DEV	218430	2095	220525	247903	3637	251540	272079	3505	275584
	AGR-FOR	65261	.	65261	64589	.	64589	62018	.	62018
	AGR-RI	21769	.	21769	27359	.	27359	38194	.	38194
	AECB	2081	.	2081	3628	.	3628	4012	.	4012
	AECL	137990	.	137990	146404	.	146404	152494	.	152494
	COC	1792	.	1792	2208	.	2208	.	.	.
	CTC	.	3415	3415	.	3371	3371	.	3371	3371
	COMM-COMM	81883	1841	83724	111730	3614	115344	87945	4364	92309
	CCA-ADM	.	2467	2467	.	2500	2500	.	1846	1846
	CCA-CON	.	2922	2922	.	5280	5280	.	3501	3501
	CCA-COR	10841	.	10841	11537	.	11537	12635	.	12635
	MSEO	.	19813	19813	.	6934	6934	.	.	.
	EMR-MES	207158	10276	217434	253110	12581	265691	297146	15992	313138
	EMR-ENER	49015	274	49289	73744	300	74044	92500	313	92813
	EA-CIA	.	8651	8651	.	11870	11870	.	11641	11641
	EA-GO	1260	.	1260	2460	.	2460	2460	.	2460
	F&D-FM	209178	2810	211988	261394	3912	285306	267054	3717	270771
	LAB	.	5058	5058	.	5793	5793	.	6152	6152
	LFB	.	149	149	.	189	169	.	172	172
	NEB	562	1685	2247	543	1628	2171	655	1954	2619
	NRC-SIR	381658	.	381658	494204	.	494204	429729	.	429729
	NRC-STI	23505	.	23505	27007	.	27007	30101	.	30101
	NSERC	281577	.	281577	311897	.	311897	295671	.	295671
	RIE	162378	619	162997	237724	800	238524	277547	355	277902
	SC	.	4582	4582	.	4847	4847	.	5041	5041
	ST	2047	9122	11169	1895	6105	8000	2124	6953	9077
	SS-SUPP	14658	481	15139	14678	485	15163	14666	506	15172
	TPT-ADM	23795	190	23985	26665	357	27022	27702	443	28145
	TPT-AIR	4136	.	4136	5108	.	5108	5770	.	5770
	TPT-MAR	8212	.	8212	11573	.	11573	11900	.	11900
	TPT-SUR	412	360	772	357	239	596	292	247	539
	TOTAL	1919615	76810	1996425	2348281	74422	2422703	2397571	70083	2467654
SOCIAL DEVELOPMENT	CDC	.	250	250	.	246	246	.	258	258
	CEIC	.	9131	9131	.	9766	9766	.	10247	10247
	CMHC	4875	11547	16522	7953	14911	22874	7534	14683	22217
	CBC	.	5039	5039	.	5459	5459	.	5678	5678
	CHRC	.	357	357	.	553	553	.	500	500

(CONTINUED)

TABLE 79

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY ENVELOPE

ENVELOPE:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		SCIENCE TYPE:			SCIENCE TYPE:			SCIENCE TYPE:		
		NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL
(\$,000)		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
SOCIAL DEVELOPMENT	CRTC	598	598	598	789	789	789	913	913	913
	E&I-ADM	12812	12812	12812	13829	13829	13829	14511	14511	14511
	ENV-ADM	484	18	502	669	7	676	697	515	1212
	ENV-AES	180476	.	180476	207418	.	207418	222087	.	222087
	ENV-ECS	72239	5647	77886	80469	5290	86759	78488	6135	84623
	ENV-EPS	14397	.	14397	13842	.	13842	11500	.	11500
	ENV-PC	6385	6427	12812	6773	6817	13590	7131	7223	14354
	NHW-ADM	.	11461	11461	.	11316	11316	.	12028	12028
	NHW-HP	54700	.	54700	60073	.	60073	59396	.	59396
	NHW-HSS	10655	7970	18826	11958	8970	20928	12565	9754	22319
	NHW-IS	.	824	824	.	882	882	.	1092	1092
	NHW-MS	2473	.	2473	3155	.	3155	3016	.	3016
	NHW-SS	.	6726	6726	.	7146	7146	.	6707	6707
	IAND-IIA	.	172	172	.	42	42	.	42	42
	IAND-NA	3097	449	3546	5374	3420	8794	5722	3012	8734
	JUST-ADM	.	4768	4768	.	5477	5477	.	5254	5254
	JUST-CUO	.	1770	1770	.	420	420	.	.	.
	LRC	.	3134	3134	.	3224	3224	.	3237	3237
	MRC	140439	.	140439	156970	.	156970	130583	.	130583
	NFB	773	.	773	808	.	808	1426	.	1426
	NLIB	.	29621	29621	.	31743	31743	.	32857	32857
	NMUS	26653	43304	69957	27033	47216	74249	28424	47540	75964
	PA	.	16506	16506	.	16670	16670	.	16788	16788
	RCMP	356	.	356	427	.	427	600	.	600
	SECS-ADM	.	851	851	.	895	895	.	1043	1043
	SECS-CIT	.	1496	1496	.	5492	5492	.	6066	6066
	SECS-ES	.	1710	1710	.	9171	9171	.	500	500
	SECS-OL	.	2502	2502	.	2702	2702	.	2762	2762
	SSHRC	.	60084	60084	.	62798	62798	.	60881	60881
	SGEN-ADM	.	8508	8508	.	13996	13996	.	13846	13846
	TOTAL	518003	253782	771785	582930	290227	873157	559179	284072	853251
EXTERNAL AFFAIRS & AIO	CIDA	41924	5871	47795	46220	5657	51877	50905	5893	56898
	IORC	32717	30954	63671	38184	35477	73551	45707	39695	85402
	IJC	2986	.	2986	3384	.	3384	3447	.	3447
	TOTAL	77627	36825	114452	87788	41134	128922	100059	45688	145747
DEFENCE	NOEF-SER	157395	2716	160111	203964	2930	206894	229036	3098	232134
	TOTAL	157395	2716	160111	203964	2930	206894	229036	3098	232134
SERVICE TO GOVERNMENT	COL	.	2723	2723	.	3108	3108	.	2998	2998
	ECC	.	8064	8064	.	8345	8345	.	8743	8743

(CONTINUED)

TABLE 79

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY ENVELOPE

		YEAR								
		1983-84			1984-85			1985-86		
		SCIENCE TYPE:			SCIENCE TYPE:			SCIENCE TYPE:		
		NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL	NATURAL	HUMAN	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
ENVELOPE:	PROGRAM:									
SERVICE TO GOVERNMENT	FIN-FEP		17148	17148		18929	18929		18895	18895
	NCC	408	545	953	316	590	906	500	614	1114
	PC	.	129	129	.	90	90	.	90	90
	PW-PTS	7103	.	7103	7378	.	7378	5989	.	5989
	REV-TAX	.	2244	2244	.	2977	2977	.	3055	3055
	STCAN	.	201287	201287	.	213408	213408	.	216094	216094
	TB-ADM	.	16578	16578	.	17636	17636	.	18516	18518
	TOTAL	7511	248718	256229	7694	265083	272777	6489	269005	275494
TOTAL	TOTAL	2680151	618851	3299002	3230657	673796	3904453	3302334	671946	3974280

TABLE 80

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY ENVELOPE

SCIENCE TYPE: TOTAL

ENVELOPE:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
ECONOMIC & REGIONAL DEVELOPMENT	AGR-ADM	.	5729	5729	.	5781	5781	.	6148	6148
	AGR-CGC	2129	2159	4288	2394	2389	4783	3600	3129	6729
	AGR-DEV	212917	7608	220525	246861	4679	251540	270980	4604	275584
	AGR-FOR	59735	5526	65261	60197	4392	64589	57609	4409	62018
	AGR-RI	6390	15379	21769	6917	20442	27359	7839	30355	38194
	AECB	1991	90	2081	3378	250	3628	3724	288	4012
	AECL	120675	17315	137990	127846	18558	146404	132951	19543	152494
	CDC	1792	.	1792	2208	.	2208	.	.	.
	CTC	1828	1587	3415	1791	1580	3371	1791	1580	3371
	COMM-COMM	80580	3144	83724	105266	10078	115344	83409	8900	92309
	CCA-ADM	2280	187	2467	2375	125	2500	1716	130	1846
	CCA-CON	.	2922	2922	.	5280	5280	.	3501	3501
	CCA-COR	.	10841	10841	.	11537	11537	.	12635	12635
	MSED	.	19813	19813	.	6934	6934	.	.	.
	EMR-MES	153201	64233	217434	192234	73457	265691	219792	93346	313138
	EMR-ENER	28005	20284	49289	45285	28759	74044	52223	40590	92813
	EA-CIA	.	8651	8651	.	11870	11870	.	11641	11641
	EA-GO	1260	.	1260	2460	.	2460	2460	.	2460
	F&O-FM	127608	84380	211988	155785	109521	265306	159939	110832	270771
	LAB	361	4697	5058	252	5541	5793	211	5941	6152
	LFB	122	27	149	141	28	169	144	28	172
	NEB	.	2247	2247	.	2171	2171	.	2619	2619
	NRC-SIR	355717	25941	381658	466618	27586	494204	401170	28559	429729
	NRC-STI	.	23505	23505	.	27007	27007	.	30101	30101
	NSERC	248197	33380	281577	270306	41591	311897	255157	40504	295671
	RIE	145188	17809	162997	216095	22429	238524	260218	17684	277902
	SC	2364	2218	4582	2576	2271	4847	2673	2368	5041
	ST	2047	9122	11169	1895	6105	8000	2124	6953	9077
	SS-SUPP	11271	3868	15139	11286	3877	15163	11323	3849	15172
	TPT-ADM	21341	2644	23985	21137	5885	27022	21889	6256	28145
	TPT-AIR	871	3265	4136	894	4214	5108	1918	3852	5770
	TPT-MAR	7970	242	8212	10337	1236	11573	10713	1187	11900
	TPT-SUR	772	.	772	596	.	596	539	.	539
	TOTAL	1597612	398813	1995425	1957130	465573	2422703	1966122	501532	2467654
SOCIAL DEVELOPMENT	CDC	120	130	250	114	132	246	121	137	258
	CEIC	.	9131	9131	.	9766	9766	.	10247	10247
	CMHC	6386	10136	16522	10873	12001	22874	10603	11514	22217
	CBC	.	5039	5039	.	5459	5459	.	5679	5679

(CONTINUED)

TABLE 80

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY ENVELOPE

SCIENCE TYPE: TOTAL

ENVELOPE:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
SOCIAL DEVELOPMENT	CHRC			357		357			553	553
	CRTC	576	22	598	739	30	769	883	30	913
	E&I-ADM	1247	11565	12812	1356	12473	13829	1420	13091	14511
	ENV-ADM	343	159	502	541	135	676	991	221	1212
	ENV-AES	26407	154069	180476	33773	173645	207418	38536	183561	222097
	ENV-ECS	23416	54470	77886	26086	60673	86759	25469	59154	84623
	ENV-EPS	10407	3990	14397	10178	3664	13842	8075	3425	11500
	ENV-PC	873	11939	12812	932	12658	13590	986	13368	14354
	NHW-ADM	1065	10396	11461	1046	10270	11316	1133	10895	12028
	NHW-HP	14057	40643	54700	13983	46090	60073	14121	45275	59396
	NHW-HSS	12859	5767	18626	14063	6863	20926	14902	7417	22319
	NHW-IS		824	824		882	882		1092	1092
	NHW-MS	2473		2473	3155		3155	3016		3016
	NHW-SS	2682	4044	6726	2768	4378	7146	2246	4461	6707
	IAND-IIA	124	48	172	17	25	42		42	42
	IAND-NA	2997	549	3546	5000	3794	8794	5165	3569	8734
	JUST-ADM	2105	2663	4768	2569	2908	5477	1851	3403	5254
	JUST-CUD		1770	1770		420	420			
	LRC	2137	997	3134	2288	936	3224	2304	933	3237
	MRC	135746	4693	140439	151125	5845	156970	125910	4673	130583
	NFB	551	222	773	383	425	808	1001	425	1426
	NLIB		29621	29621		31743	31743		32857	32857
	NMUS	6582	63375	69957	6699	67550	74249	7526	68438	75964
	PA		16506	16506		16670	16670		16788	16788
	RCMP	349	7	356	419	8	427	592	8	600
	SECS-ADM	1	850	851		895	895	27	1016	1043
	SECS-CIT	1446	50	1496	5253	239	5492	6066		6066
	SECS-ES	1450	260	1710	9171		9171	500		500
	SECS-OL	1450	1052	2502	1474	1228	2702	1548	1214	2762
	SSHRC	39401	20683	60084	41705	21093	62798	39155	21726	60881
	SGEN-ADM	6417	2091	8508	11096	2900	13996	11096	2750	13846
	TOTAL	303567	468118	771785	356806	516351	873157	325243	528008	853251
EXTERNAL AFFAIRS & AID	CIDA	15500	32295	47795	14735	37142	51877	15260	41638	55898
	IDRC	52500	11171	63671	58517	15144	73661	70318	15084	85402
	IJC		2986	2986		3384	3384		3447	3447
	TOTAL	58000	46452	114452	73252	55670	128922	85578	50169	145747
DEFENCE	NDFF-SER	157064	3047	160111	203429	3465	206894	228386	3748	232134
	TOTAL	157064	3047	160111	203429	3465	206994	228386	3748	232134

(CONTINUED)

TABLE 80

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY. BY ENVELOPE

SCIENCE TYPE: TOTAL

ENVELOPE: SERVICE TO GOVERNMENT	PROGRAM: COL	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
TOTAL	TOTAL	2144962	1154040	3299002	2610914	1293539	3904453	2626433	1347847	3974280
STCAN	8022	193265	201287	9096	204312	213408	9434	205660	216094	
TB-ADM	141	16437	16578	148	17488	17636	153	18363	18516	
TOTAL	18619	237810	256229	20297	252480	272777	21104	254390	275494	
PC	129	.	129	90	.	90	90	.	90	90
PW-PTS	3411	3892	7103	3809	3569	7378	3957	2032	5988	
REV-TAX	90	2154	2244	134	2843	2977	137	2918	3055	
NCC	30	923	953	40	866	906	10	1104	1114	
FIN-FEP	.	17148	17148	.	18929	18929	.	18895	18895	
ECC	6796	1268	8064	6980	1365	8345	7323	1420	8743	
PC	.	2723	2723	.	3108	3108	.	2998	2998	

TABLE 81

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY ENVELOPE

SCIENCE TYPE: NATURAL

ENVELOPE:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
ECONOMIC & REGIONAL DEVELOPMENT	AGR-ADM	5729	5729		5781	5781			6148	6148
	AGR-CGC	2129	2159	4288	2394	2389	4783	3600	3129	6729
	AGR-DEV	212917	5513	218430	246798	1105	247903	270980	1099	272079
	AGR-FOR	59735	5526	65261	80197	4392	64589	57609	4409	62018
	AGR-RI	6390	15379	21769	6917	20442	27359	7839	30355	38194
	AECB	1991	90	2081	3378	250	3628	3724	288	4012
	AECL	120675	17315	137990	127846	18558	146404	132951	19543	152494
	CDC	1792		1792	2208		2208			
	COMM-COMM	80580	1303	81883	105266	6464	111730	83409	4536	87945
	CCA-COR	.	10841	10841		11537	11537		12635	12635
	EMR-MES	150358	56800	207158	189208	63902	253110	215924	81222	297146
	EMR-ENER	28731	20284	49015	44985	28759	73744	51910	40590	92500
	EA-GO	1260		1260	2460		2460	2460		2460
	F&D-FM	127608	81570	209178	155785	105609	261394	159939	107115	267054
	NEB	.	562	562	.	543	543	.	655	655
	NRC-SIR	355717	25941	381658	466618	27586	494204	401170	28559	429729
	NRC-STI	.	23505	23505	.	27007	27007	.	30101	30101
	NSERC	248197	33380	281577	270306	41591	311897	255167	40504	295671
	RIE	145160	17218	162378	216095	21629	237724	260218	17329	277547
	ST	2047	.	2047	1895	.	1895	2124	.	2124
	SS-SUPP	11083	3575	14658	11096	3582	14678	11125	3541	14666
	TPT-ADM	21207	2588	23795	21100	5565	26665	21758	5944	27702
	TPT-AIR	871	3265	4136	894	4214	5108	1918	3852	5770
	TPT-MAR	7970	242	8212	10337	1236	11573	10713	1187	11900
	TPT-SUR	412	.	412	357	.	357	292	.	292
	TOTAL	1586830	332785	1919615	1946140	402141	2348281	1954830	442741	2397571
SOCIAL DEVELOPMENT	CMHC	2624	2251	4875	5259	2704	7963	5065	2469	7534
	ENV-ADM	343	141	484	541	128	669	511	186	697
	ENV-AES	26407	154069	180476	33773	173645	207418	38536	183561	222097
	ENV-ECS	22387	49852	72239	24915	55554	80469	24326	54162	78488
	ENV-EPS	10407	3990	14397	10178	3664	13842	8075	3425	11500
	ENV-PC	585	5800	6385	627	6146	6773	663	6468	7131
	NHW-HP	14057	40643	54700	13983	46080	60073	14121	45275	59396
	NHW-HSS	7359	3297	10656	7951	4005	11956	8307	4258	12565
	NHW-MS	2473	.	2473	3155	.	3155	3016	.	3016
	IAND-NA	2628	469	3087	4448	926	5374	4583	1139	5722
	MRC	135746	4693	140439	151125	5845	156870	125910	4673	130583
	NFB	551	222	773	383	425	808	1001	425	1425

(CONTINUED)

TABLE 81

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY ENVELOPE

SCIENCE TYPE: NATURAL

ENVELOPE:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
(\$.000)		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
SOCIAL DEVELOPMENT	NMUS	2545	24108	26653	2259	24774	27033	2812	25612	28424
	RCMP	349	7	356	419	8	427	592	8	600
	TOTAL	228461	289542	518003	259016	323914	582930	237518	331661	569179
EXTERNAL AFFAIRS & AID	CIDA	13267	28657	41924	12700	33520	46220	13132	37773	50905
	IDRC	30929	1788	32717	35672	2512	38184	43130	2577	45707
	IJC	.	2986	2986	.	3384	3384	.	3447	3447
	TOTAL	44196	33431	77627	48372	39416	87788	56262	43797	100059
DEFENCE	NDEF-SER	156043	1352	157395	202339	1625	203964	227221	1815	229036
	TOTAL	156043	1352	157395	202339	1625	203964	227221	1815	229036
SERVICE TO GOVERNMENT	NCC	.	408	408	.	316	316	.	500	500
	PW-PTS	3411	3692	7103	3809	3569	7378	3957	2032	5989
	TOTAL	3411	4100	7511	3809	3885	7694	3957	2532	6489
TOTAL	TOTAL	2018941	661210	2680151	2459676	770981	3230657	2479788	822546	3302334

TABLE 82-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL.
ENVELOPE: ECONOMIC & REGIONAL DEVELOPMENT.
AND YEAR: 1983-84

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	153	4555	466	4009	1661	2781	.	13624
INTRAMURAL RSA	43	857	238	1292	839	390	.	3658
ADMIN. OF EXTRAMURAL PROGRAMS	21	198	234	44	201	42	.	739
TOTAL	217	5610	938	5344	2701	3212	.	18021

SCIENCE TYPE: NATURAL.
ENVELOPE: ECONOMIC & REGIONAL DEVELOPMENT.
AND YEAR: 1984-85

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	196	4736	490	4105	1632	2743	.	13900
INTRAMURAL RSA	48	869	238	1319	765	371	.	3610
ADMIN. OF EXTRAMURAL PROGRAMS	23	210	238	47	245	40	.	802
TOTAL	267	5816	965	5470	2641	3153	.	18312

SCIENCE TYPE: NATURAL.
ENVELOPE: ECONOMIC & REGIONAL DEVELOPMENT.
AND YEAR: 1985-86

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	197	4708	515	4149	1571	2565	.	13704
INTRAMURAL RSA	52	862	267	1317	796	372	.	3666
ADMIN. OF EXTRAMURAL PROGRAMS	24	206	270	44	239	42	.	824
TOTAL	273	5776	1052	5509	2605	2978	.	18193

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

TABLE 82-2

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL,
ENVELOPE: SOCIAL DEVELOPMENT,
AND YEAR: 1983-84

	CATEGORY:							
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	17	554	147	184	185	56	.	1143
INTRAMURAL RSA	94	1141	331	1565	814	192	.	4137
ADMIN. OF EXTRAMURAL PROGRAMS	9	27	41	3	40	.	.	119
TOTAL	120	1722	519	1751	1038	248	.	5399

SCIENCE TYPE: NATURAL,
ENVELOPE: SOCIAL DEVELOPMENT,
AND YEAR: 1984-85

	CATEGORY:							
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	20	565	148	201	188	57	.	1179
INTRAMURAL RSA	101	1154	340	1625	830	197	.	4247
ADMIN. OF EXTRAMURAL PROGRAMS	10	28	45	3	41	.	.	128
TOTAL	131	1748	533	1829	1059	254	.	5553

SCIENCE TYPE: NATURAL,
ENVELOPE: SOCIAL DEVELOPMENT,
AND YEAR: 1985-86

	CATEGORY:							
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	21	563	149	183	179	53	.	1148
INTRAMURAL RSA	103	1170	348	1545	805	182	.	4152
ADMIN. OF EXTRAMURAL PROGRAMS	9	28	45	3	42	.	.	127
TOTAL	133	1761	543	1730	1025	235	.	5427

TABLE 82-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL.
ENVELOPE: EXTERNAL AFFAIRS & AID.
AND YEAR: 1983-84

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL RSA	7	10	3	4	22	.	.	46
ADMIN. OF EXTRAMURAL PROGRAMS	3	47	12	.	39	.	.	102
TOTAL	10	57	15	4	61	.	.	148

SCIENCE TYPE: NATURAL.
ENVELOPE: EXTERNAL AFFAIRS & AID.
AND YEAR: 1984-85

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL RSA	7	11	3	4	22	.	.	47
ADMIN. OF EXTRAMURAL PROGRAMS	3	61	16	.	44	.	.	125
TOTAL	10	72	19	4	66	.	.	172

SCIENCE TYPE: NATURAL.
ENVELOPE: EXTERNAL AFFAIRS & AID.
AND YEAR: 1985-86

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL RSA	7	11	3	4	22	.	.	47
ADMIN. OF EXTRAMURAL PROGRAMS	3	70	16	4	40	.	.	132
TOTAL	10	81	19	8	62	.	.	179

TABLE 82-4

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL.
ENVELOPE: DEFENCE.
AND YEAR: 1983-84

	CATEGORY:							
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	12	561	110	484	246	247	146	1805
INTRAMURAL RSA	.	8	2	1	23	.	.	33
ADMIN. OF EXTRAMURAL PROGRAMS	.	17	4	7	4	.	10	41
TOTAL	12	585	116	492	272	247	156	1879

SCIENCE TYPE: NATURAL.
ENVELOPE: DEFENCE.
AND YEAR: 1984-85

	CATEGORY:							
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	12	557	112	471	236	235	155	1776
INTRAMURAL RSA	.	10	3	1	20	.	.	34
ADMIN. OF EXTRAMURAL PROGRAMS	.	17	4	7	4	.	10	41
TOTAL	12	583	118	479	260	235	165	1851

SCIENCE TYPE: NATURAL.
ENVELOPE: DEFENCE.
AND YEAR: 1985-86

	CATEGORY:							
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	12	574	115	482	236	236	157	1810
INTRAMURAL RSA	.	10	3	1	21	.	.	35
ADMIN. OF EXTRAMURAL PROGRAMS	.	17	4	7	4	.	10	41
TOTAL	12	600	121	490	261	236	167	1886

TABLE 82-5

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: NATURAL.
ENVELOPE: SERVICE TO GOVERNMENT.
AND YEAR: 1983-84

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	0	11	.	8	.	.	.	17
INTRAMURAL RSA	1	27	3	11	5	.	.	46
ADMIN. OF EXTRAMURAL PROGRAMS	0	2	2	1	7	.	.	12
TOTAL	2	39	4	17	12	.	.	75

SCIENCE TYPE: NATURAL.
ENVELOPE: SERVICE TO GOVERNMENT.
AND YEAR: 1984-85

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	0	9	.	6	.	.	.	15
INTRAMURAL RSA	0	26	1	10	4	.	.	41
ADMIN. OF EXTRAMURAL PROGRAMS	0	2	2	.	7	.	.	12
TOTAL	1	37	3	16	11	.	.	68

SCIENCE TYPE: NATURAL.
ENVELOPE: SERVICE TO GOVERNMENT.
AND YEAR: 1985-86

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	0	11	.	2	0	.	.	13
INTRAMURAL RSA	0	21	1	7	3	2	.	32
ADMIN. OF EXTRAMURAL PROGRAMS	.	2	2	.	7	1	.	11
TOTAL	0	33	3	8	10	2	.	57

TABLE 83

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY ENVELOPE

SCIENCE TYPE: HUMAN

ENVELOPE:	PROGRAM:	YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
ECONOMIC & REGIONAL DEVELOPMENT	AGR-DEV		2095	2095	63	3574	3637		3505	3505
	CTC	1828	1587	3415	1791	1580	3371	1791	1580	3371
	COMM-COMM		1841	1841		3614	3614		4364	4364
	CCA-ADM	2280	187	2467	2375	125	2500	1716	130	1846
	CCA-CON		2922	2922		5280	5280		3501	3501
	MSED		19813	19813		6934	6934			
	EMR-MES	2843	7433	10276	3026	9555	12581	3868	12124	15992
	EMR-ENER	274		274	300		300	313		313
	EA-CIA		8651	8651		11870	11870		11641	11641
	F&O-FM		2810	2810		3912	3912		3717	3717
	LAB	361	4657	5058	252	5541	5793	211	5941	6152
	LFB	122	27	149	141	28	169	144	28	172
	NEB		1685	1685		1628	1628		1964	1964
	RIE	28	591	619		800	800		355	355
	SC	2364	2218	4582	2576	2271	4847	2673	2368	5041
	ST		9122	9122		6105	6105		6953	6953
	SS-SUPP	188	293	481	190	295	485	198	308	506
	TPT-ADM	134	56	190	37	320	357	131	312	443
	TPT-SUR	360		360	239		239	247		247
	TOTAL	10782	66028	76810	10990	63432	74422	11292	58791	70083
SOCIAL DEVELOPMENT	CDC	120	130	250	114	132	246	121	137	258
	CEIC		9131	9131		9766	9766		10247	10247
	CMHC	3762	7885	11647	5614	9297	14911	5538	9145	14683
	CBC		5039	5039		5459	5459		5678	5678
	CHRC		357	357		553	553		500	500
	CRTC	576	22	598	739	30	769	883	30	913
	E&I-ADM	1247	11565	12812	1356	12473	13829	1420	13091	14511
	ENV-AOM		18	18		7	7	480	35	515
	ENV-ECS	1028	4618	5647	1171	5119	6290	1143	4992	6135
	ENV-PC	288	6139	6427	305	6512	6817	323	6900	7223
	NHW-ADM	1065	10396	11461	1046	10270	11315	1133	10895	12028
	NHW-HSS	5500	2470	7970	6112	2858	8970	6595	3159	9754
	NHW-IS		824	824		882	882		1092	1092
	NHW-SS	2682	4044	6726	2768	4378	7146	2246	4451	6707
	IAND-IIA	124	48	172	17	25	42		42	42
	IAND-NA	369	80	449	552	2868	3420	582	2430	3012
	JUST-ADM	2105	2663	4758	2569	2908	5477	1851	3403	5254
	JUST-CUO		1770	1770		420	420			

(CONTINUED)

TABLE 83

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY ENVELOPE

SCIENCE TYPE: HUMAN

		YEAR								
		1983-84			1984-85			1985-86		
		ACTIVITY:			ACTIVITY:			ACTIVITY:		
		R&D	RSA	TOTAL	R&D	RSA	TOTAL	R&D	RSA	TOTAL
		(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)	(\$.000)
ENVELOPE:	PROGRAM:									
SOCIAL DEVELOPMENT	LRC	2137	997	3134	2288	936	3224	2304	933	3237
	NLIB	.	29621	29621	.	31743	31743	.	32857	32857
	NMUS	4037	39267	43304	4440	42776	47216	4714	42826	47540
	PA	.	16506	16506	.	16670	16670	.	16788	16788
	SECS-ADM	1	850	851	.	895	895	27	1016	1043
	SECS-CIT	1446	50	1496	5253	239	5492	6066	.	6066
	SECS-ES	1450	260	1710	9171	.	9171	500	.	500
	SECS-OL	1450	1052	2502	1474	1228	2702	1548	1214	2762
	SSHRC	39401	20683	60084	41705	21093	62798	39155	21726	60881
	SGEN-ADM	6417	2091	8508	11096	2900	13996	11096	2750	13846
	TOTAL	75206	178576	253782	97790	192437	290227	87725	196347	284072
EXTERNAL AFFAIRS & AID	CIDA	2233	3638	5871	2035	3622	5657	2128	3865	5993
	IDRC	21571	9383	30954	22845	12632	35477	27188	12507	39695
	TOTAL	23804	13021	36825	24880	16254	41134	29316	16372	45688
DEFENCE	NDEF-SER	1021	1695	2716	1090	1840	2930	1165	1933	3098
	TOTAL	1021	1695	2716	1090	1840	2930	1165	1933	3098
SERVICE TO GOVERNMENT	COL	.	2723	2723	.	3108	3108	.	2998	2998
	ECC	6796	1268	8064	6980	1365	8345	7323	1420	8743
	FIN-FEP	.	17148	17148	.	18929	18929	.	18895	18895
	NCC	30	515	545	40	550	590	10	604	614
	PC	129	.	129	90	.	90	90	.	90
	REV-TAX	90	2154	2244	134	2843	2977	137	2918	3055
	STCAN	8022	193265	201287	9096	204312	213408	9434	206660	216094
	TB-ADM	141	16437	16578	148	17488	17636	153	18363	18516
	TOTAL	15208	233510	248718	16488	248595	265083	17147	251858	269005
TOTAL	TOTAL	126021	492830	618851	151238	522558	673796	146645	525301	671946

TABLE 84-1

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN,
ENVELOPE: ECONOMIC & REGIONAL DEVELOPMENT,
AND YEAR: 1983-84

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	9	66	6	12	13	.	.	106
INTRAMURAL RSA	160	314	257	113	240	4	.	1088
ADMIN. OF EXTRAMURAL PROGRAMS	0	5	8	0	12	.	.	25
TOTAL	169	386	271	125	265	4	.	1219

SCIENCE TYPE: HUMAN,
ENVELOPE: ECONOMIC & REGIONAL DEVELOPMENT,
AND YEAR: 1984-85

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	9	71	5	12	15	.	.	111
INTRAMURAL RSA	77	314	204	108	193	5	.	900
ADMIN. OF EXTRAMURAL PROGRAMS	2	7	13	0	4	.	.	25
TOTAL	87	392	221	120	211	5	.	1037

SCIENCE TYPE: HUMAN,
ENVELOPE: ECONOMIC & REGIONAL DEVELOPMENT,
AND YEAR: 1985-86

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	10	66	6	10	11	.	.	102
INTRAMURAL RSA	61	316	156	104	161	4	.	802
ADMIN. OF EXTRAMURAL PROGRAMS	2	7	12	0	4	.	.	25
TOTAL	72	389	174	114	176	4	.	930

TABLE 84-2

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN,
ENVELOPE: SOCIAL DEVELOPMENT,
AND YEAR: 1983-84

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	9	128	50	16	41	0	.	245
INTRAMURAL RSA	72	751	304	491	664	136	.	2418
ADMIN. OF EXTRAMURAL PROGRAMS	16	61	58	7	80	1	.	223
TOTAL	97	941	412	514	785	137	.	2886

SCIENCE TYPE: HUMAN,
ENVELOPE: SOCIAL DEVELOPMENT,
AND YEAR: 1984-85

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:					*			
INTRAMURAL R&D	14	141	50	18	37	0	.	260
INTRAMURAL RSA	78	762	319	500	647	140	.	2445
ADMIN. OF EXTRAMURAL PROGRAMS	18	80	59	8	88	1	.	253
TOTAL	109	982	428	526	772	141	.	2959

SCIENCE TYPE: HUMAN,
ENVELOPE: SOCIAL DEVELOPMENT,
AND YEAR: 1985-86

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	14	148	49	17	37	1	.	265
INTRAMURAL RSA	85	757	311	497	663	131	.	2445
ADMIN. OF EXTRAMURAL PROGRAMS	18	80	59	8	88	2	.	255
TOTAL	116	986	420	522	788	133	.	2965

TABLE 84-3

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN.
ENVELOPE: EXTERNAL AFFAIRS & AID.
AND YEAR: 1983-84

	CATEGORY:							
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL RSA	.	3	13	45	25	.	.	86
ADMIN. OF EXTRAMURAL PROGRAMS	6	50	25	6	49	.	.	136
TOTAL	6	53	38	51	74	.	.	222

SCIENCE TYPE: HUMAN.
ENVELOPE: EXTERNAL AFFAIRS & AID.
AND YEAR: 1984-85

	CATEGORY:							
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL RSA	.	3	13	47	25	.	.	88
ADMIN. OF EXTRAMURAL PROGRAMS	6	57	28	6	49	.	.	146
TOTAL	6	60	41	53	74	.	.	233

SCIENCE TYPE: HUMAN.
ENVELOPE: EXTERNAL AFFAIRS & AID.
AND YEAR: 1985-86

	CATEGORY:							
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL RSA	.	3	13	45	23	.	.	84
ADMIN. OF EXTRAMURAL PROGRAMS	6	62	32	6	46	.	.	151
TOTAL	5	65	45	51	69	.	.	235

TABLE 84-4

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN.
ENVELOPE: DEFENCE.
AND YEAR: 1983-84

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	.	.	3	.	7	.	21	30
INTRAMURAL RSA	.	16	1	.	8	.	12	37
ADMIN. OF EXTRAMURAL PROGRAMS	.	1	1	.	.	.	.	2
TOTAL	.	17	4	.	14	.	33	68

SCIENCE TYPE: HUMAN.
ENVELOPE: DEFENCE.
AND YEAR: 1984-85

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	.	.	3	.	7	.	21	30
INTRAMURAL RSA	.	16	1	.	8	.	12	37
ADMIN. OF EXTRAMURAL PROGRAMS	.	1	1	.	.	.	.	2
TOTAL	.	17	4	.	14	.	33	68

SCIENCE TYPE: HUMAN.
ENVELOPE: DEFENCE.
AND YEAR: 1985-86

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	.	.	3	.	7	.	21	30
INTRAMURAL RSA	.	16	1	.	8	.	12	37
ADMIN. OF EXTRAMURAL PROGRAMS	.	1	1	.	.	.	.	2
TOTAL	.	17	4	.	14	.	33	68

TABLE 84-5

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY

SCIENCE TYPE: HUMAN.
ENVELOPE: SERVICE TO GOVERNMENT.
AND YEAR: 1983-84

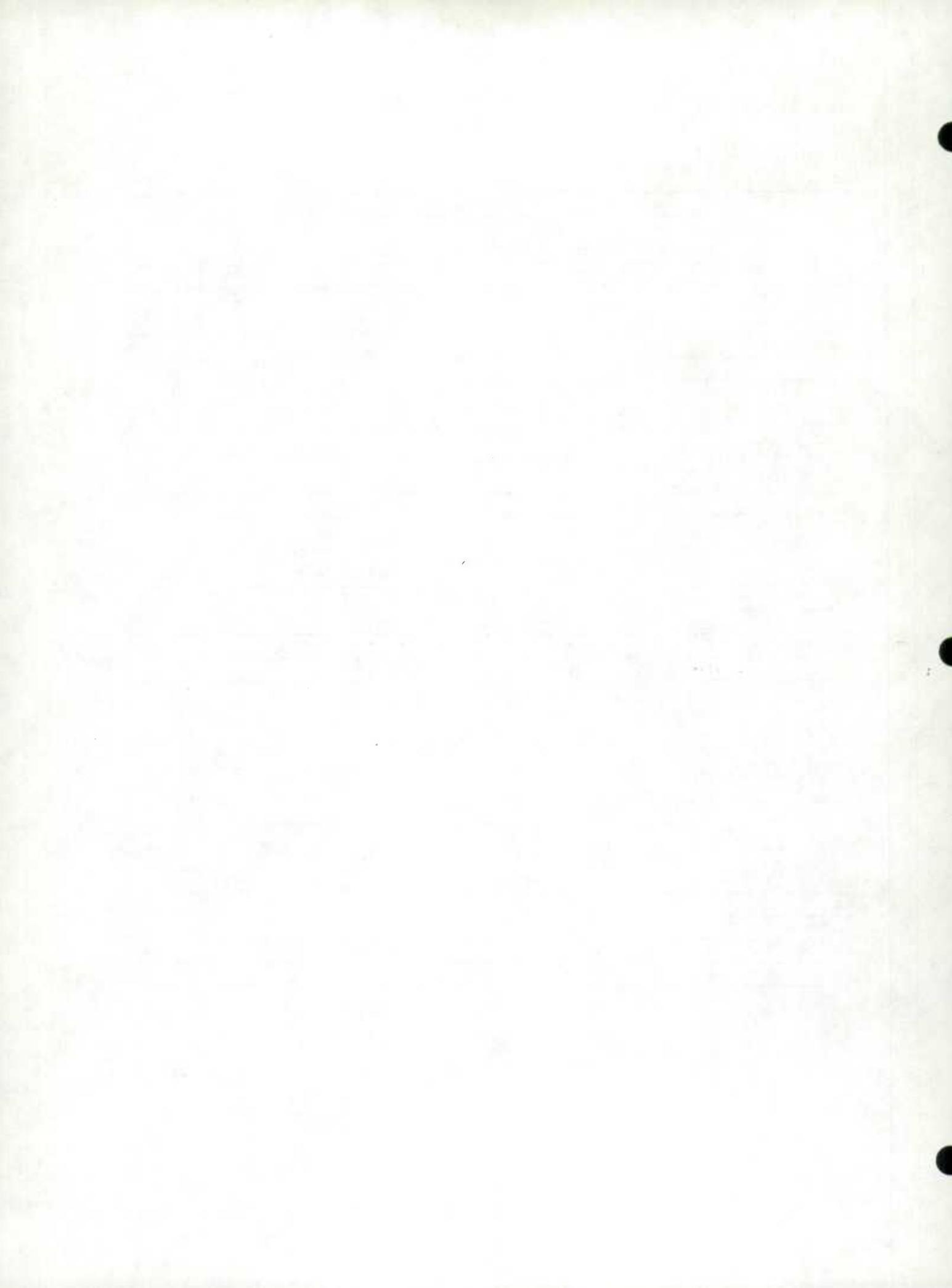
	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	14	139	19	24	66	.	.	262
INTRAMURAL RSA	126	946	1000	836	2190	37	.	5135
TOTAL	140	1085	1019	860	2256	37	.	5397

SCIENCE TYPE: HUMAN.
ENVELOPE: SERVICE TO GOVERNMENT.
AND YEAR: 1984-85

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	15	142	23	24	64	.	.	268
INTRAMURAL RSA	152	968	983	843	2102	49	.	5097
TOTAL	167	1110	1006	867	2166	49	.	5365

SCIENCE TYPE: HUMAN.
ENVELOPE: SERVICE TO GOVERNMENT.
AND YEAR: 1985-86

	CATEGORY:							TOTAL
	EXECUTIVE	SCIENTIFIC & PROFESS.	ADMIN. & FOREIGN SERVICE	TECHNICAL	ADMIN. SUPPORT	OPERN'S	MILITARY	
	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	PY'S	
ACTIVITY:								
INTRAMURAL R&D	15	140	27	25	60	.	.	267
INTRAMURAL RSA	190	969	1011	813	1955	36	.	4974
TOTAL	205	1109	1038	838	2015	36	.	5241



APPENDIX

I SCOPE AND LIMITATONS OF THE DATA

The expenditure data for scientific activities controlled by federal departments and agencies provided in this document correspond to the budgetary expenditures by program presented in Main Estimates for the approval of Parliament. As a consequence, the following kinds of costs or expenditures are not included:

- a) expenditures by federal agencies which do not receive budgetary appropriations, e.g., Petrocan, Canadian National Railways, Air Canada.
- b) non-budgetary expenditures for advances, loans, etc.

II DEFINITIONS

Federal departments and agencies in receipt of budgetary appropriations are requested to identify those resources reported in Main Estimates.

In the text which follows, the two major fields of science, the natural sciences and the social sciences, and the two kinds of S&T activities scientific research and experimental development and related scientific activities are described, followed by a description of intramural and extramural performance of S&T activities, definitions of the performance sectors and a discussion of the funding mechanisms for extramural performance. Detailed definitions of research and experimental development and of the various related scientific activities for the natural sciences and for the social sciences are then provided and the Appendix closes with the definitions concerning personnel resources.

The definitions used in collecting the data for this report are essentially the same as those used by the OECD in its "Frascati Manual" and by UNESCO in its "Manual for Statistics on Scientific and Technological Activities".

A. NATURAL AND HUMAN SCIENCES

With respect to the two major S&T fields, the term, natural sciences, embraces the disciplines of study concerned with understanding, exploring, developing or utilizing the natural world. Included are the engineering, mathematical, life and physical sciences. The term, human sciences, is to be regarded as synonymous with social sciences and humanities and thus embraces all disciplines involved in studying human actions and conditions and the social, economic and institutional mechanisms affecting humans. Included are such disciplines as anthropology, demography, economics, geography, history, languages, literature and linguistics, law, library science, philosophy, political science, psychology, religious studies, social work, sociology, and urban and regional studies.

In some situations it may be difficult to decide whether an activity falls in the natural or in the human sciences. Nevertheless, an assignment must be made, and respondents are asked to consider the dominant orientation of the work and the nature of the expertise of the personnel involved.

B. SCIENTIFIC AND TECHNOLOGICAL ACTIVITIES

There are two main categories of scientific and technological activities (S&T):

- i) Scientific research and experimental development (R&D), which is defined as creative work undertaken on a systematic basis in order to increase the stock of knowledge, including the knowledge of man, culture and society, and the use of the stock of knowledge to devise new applications.
- ii) Related scientific activities (RSA), which are defined as those activities which complement and extend R&D by contributing to the generation, dissemination and application of scientific and technological knowledge. The kinds of related scientific activities for the two main fields of science are enumerated below and more fully described later:

Natural Sciences	Human Sciences
Scientific data collection	General purpose data collection
Scientific information services	Scientific information services
Technical feasibility studies	Socio-economic feasibility studies
Education support	Education support
Museum services	Museum services
Testing and Standardization	Operations and Policy Studies

C. INTRAMURAL AND EXTRAMURAL PERFORMANCE

Where the S&T activities are managed and carried out primarily by federal government they are classified as intramural S&T. Even where major components of the project are provided by outside agencies, such as computer services, analytical services, provision of ship and airplane services, construction of laboratory, test or prototype equipment, if the planning, supervision, reporting, etc., are directly controlled by in-house personnel, then the activity is considered to be intramural. This also applies to S&T activities carried out by a department or agency on behalf of another federal department or agency on a cost recovery basis.

On the other hand if the management and conduct of an S&T activity is entrusted to a non-federal organization it is classified as being extramurally performed. The six extramural performance sectors used in surveying S&T expenditures by the federal government are: Canadian industry, Canadian universities, Canadian non-profit institutions, provincial and municipal governments, foreign performer, and other performers.

Intramural performance includes:

- scientific activities carried out by personnel of units assigned to the programs;

- the acquisition of land, buildings, machinery and equipment for scientific activities;
- the administration of scientific activities by program employees;
- the purchase of support services such as EDP and travel.

The intramural expenditures reported for scientific activities are those direct costs associated with scientific programs.

These costs include that portion of a program's contribution to employee benefit plans (e.g., superannuation) which is applicable to the scientific manpower within the program. Non-program ("indirect") costs, such as the value of services provided by other departments without charge and accommodation provided by the reporting program are excluded.

Canadian industry - business and government enterprises including public utilities and government-owned firms. Industrial research institutes located at Canadian universities are considered to be in the university sector.

Canadian universities - including affiliated institutes owned administered or staffed by universities.

Canadian non-profit institutions - charitable foundations, voluntary health organizations, scientific and professional societies, and other organizations not established to earn profits. Non-profit institutions primarily serving or controlled by another sector should be included in that sector (e.g. the Pulp and Paper Research Institute is in Canadian Industry).

Canadian provincial and municipal governments - departments and agencies of these governments. Government enterprises, such as provincial utilities are included in the Canadian industry sector, and hospitals in the Canadian non-profit institutions sector.

Foreign performers - all foreign governments, foreign companies (including foreign subsidiaries of Canadian firms), international organizations, non-resident foreign nationals and Canadians studying or teaching abroad.

Other performers - individuals or organizations not belonging to any of the above sectors. This includes provincial research councils and foundations.

D. CONTRACTS, GRANTS AND CONTRIBUTIONS

The federal government uses three methods of funding extramurally-performed S&T activities:

- i) A contract is a legal agreement between two or more parties which will usually specify the nature and general objective of the S&T activity to be performed and the provision of the corresponding results according to an agreed schedule and cost.
- ii) A grant is an unconditional payment to a recipient and the government does not

necessarily receive any services (information, goods, etc.) as a direct result. It is to be noted, however, that there may be eligibility conditions which prospective recipients must meet.

- iii) A contribution requires an agreement between the government and recipient specifying the terms and conditions under which funds will be paid to the recipient. In particular the payments are conditional on performance or achievement and the recipient's use of the funds provided is subject to audit.

In this report the term grants is used for both grants and contributions and data according to the method of funding extramural performance is collected only for R&D activities.

E. DEFINITIONS FOR THE NATURAL SCIENCES

Research and experimental development (R&D) - creative work undertaken on a systematic basis to increase the stock of scientific and technical knowledge or to discover new applications for existing knowledge. The central characteristic of R&D is an appreciable element of novelty and of uncertainty. The work is normally performed by, or under the supervision of, persons with postgraduate degrees in the natural sciences or engineering.

R&D is generally carried out by specialized R&D units. An R&D project however, may also involve the use of non-R&D facilities (e.g. testing grounds), the purchase or construction of specialized equipment and materials, and the assistance of other units. Costs of such items, attributable to the project, are considered R&D costs.

R&D units may also be engaged in non-R&D activities such as technical advisory services, testing, and construction of special equipment for other units. So far as is practical, the effort devoted to such operations is excluded from R&D.

On the other hand, R&D may be carried out by units normally engaged in other functions (e.g. a marine survey ship used for hydrological research, a geological survey team may be directed to work in a certain area in order to provide data for a geophysical research project). Such effort is part of an R&D project and again, so far as is practical, the costs are assigned to R&D expenditures.

Examples:

1. Routine autopsy on the causes of death is not research, but special investigation of a particular mortality in order to establish the side effects of certain treatments is research. Similarly, routine tests, such as blood and bacteriological tests, are not research, but a special program of blood tests in connection with the introduction of a new drug is applied research.
2. The keeping of daily records of temperature or of atmospheric pressure is data collection and not research. The investigation of new methods of measuring temperature is research as is the study and development of new systems and techniques for interpreting the data.

Research fellowships - awards to individuals for advances in research training and experience. Such payments are included as expenditures for R&D activities. Awards intended primarily to support the education of the recipients are reported as education support.

Scientific data collection - the gathering, processing, collating and analyzing of data on natural phenomena. These data are normally the results of surveys, routine laboratory analyses or compilations of operating records.

Data collected as part of an existing or proposed research project are costed against research. Similarly the costs of analyzing existing data as part of a research project are R&D costs, even when the data were originally collected for some other purpose. The development of new techniques for data collection is also considered a research activity.

Examples of scientific data collection are routine geological, hydrographic, oceanographic and topographic surveys; routine astronomical observations; maintenance of meteorological records; and wildlife and fisheries surveys.

Scientific information services - all work directed to recording, classifying, and disseminating scientific and technological information. Included are the operations of scientific and technical libraries, S&T information and advisory services, the Patent Office, the publication of scientific journals and bibliographies, and the organizing of scientific conferences. Grants for the publication of scholarly works are also included.

General purpose information services or information services directed primarily towards the general public are excluded, as are teaching activities.

Testing and standardization - work directed towards the establishment of national and international standards for materials, devices, products and processes, the calibration of secondary standards, and non-routine quality testing. The development of new measures for standards, or of new methods of measuring or testing, is R&D and is reported as such. Excluded is routine testing such as monitoring radioactivity levels or soil tests before construction.

Feasibility studies - technical investigations of proposed innovative engineering projects to provide necessary additional information for decisions on implementation. Excluded is routine work such as selection of road routes and bridge sites unless there are conditions which impose innovative solutions.

Educational support - grants to individuals or institutions intended to support the post-secondary education of students in technology and the natural sciences. The activity includes the support of foreign students in their studies of S&T at Canadian or foreign institutions. General purpose grants to educational institutions are excluded. Grants intended primarily to support the research of individuals at universities are either R&D grants or research fellowships.

Museum services - the collecting, cataloguing, and displaying of specimens of the natural world or of representations of natural phenomena. The scientific activities of natural history museums, zoological and botanical gardens, aquaria, planetaria and nature reserves are included.

The activity represents a systematic attempt to preserve and display items from the natural world; in some ways it could be considered an extension of scientific information services. Parks which are not primarily restricted reserves for certain fauna or flora are excluded.

Where practical, efforts of such institutions devoted to R&D or to other activities such as S&T information are excluded from museum services and assigned to those activities. The costs of providing entertainment and recreation to visitors are excluded (e.g. restaurants, children's gardens and nurseries).

Administration of extramural programs - the costs of identifiable units engaged in the administration of contracts and grants and contributions for scientific activities that are to be performed outside the federal government. These expenditures are broken down by the type of scientific activity supported, i.e., R&D or RSA.

F. DEFINITIONS FOR THE HUMAN SCIENCES

Research and experimental development (R&D) - creative work undertaken on a systematic basis towards the acquisition of new knowledge about man, his actions and his institutions, and the application of this knowledge in new ways.

R&D requires the acquisition of knowledge and not just information. New knowledge involves the integration of newly acquired information into existing hypotheses, the formulation and testing of new hypotheses or the re-evaluation of existing observations.

An R&D project generally has three characteristics:

- a substantial element of uncertainty, novelty and innovation;
- a well-defined project design;
- a report on the procedures and results of the project.

Examples:

1. Investigation of the factors determining regional variations in economic growth.
2. Studies of the effects of an urban development scheme on family group cohesiveness.
3. Investigation of variables affecting the educational performance of children drawn from different social and ethnic groups.
4. Development of reward systems which take into account the differing motives, attitudes and perceptions of management and workers.

Both "research" and "development" are often used with different meanings in the government. For example, it is increasingly common to hear that a person is "researching" something (i.e. the person is looking for information about something). Similarly, there are many units with either research or development or both terms in their titles which are concerned primarily with information gathering, speech writing, preparation of position papers or departmental organization. These are excluded from the scientific activity for R&D.

Research fellowships - awards to individuals for advanced research training and experience. Such payments are included as expenditures for R&D activities. Awards intended primarily to support the education of the recipients are reported as education support.

General purpose data collection - the routine gathering, processing, collating, analysis and publication of information on human phenomena using surveys, regular and special investigations and compilations of existing records. It excludes data collected primarily for internal administrative purposes (e.g. departmental personnel statistics) as well as the collection of data as part of an R&D project.

Data collected as part of an existing or proposed research project are costed against research. Similarly the costs of analyzing existing data as part of a research project are R&D costs, even when the data were originally collected for some other purpose. The development of new techniques for data collection is also considered a research activity.

Examples of general purpose data collection are the quinquennial censuses, and surveys of employment and production.

Scientific information services - the recording, classifying and disseminating activities of units concerned primarily with providing information for scientific activities in the social sciences and humanities.

Included are the operations of specialized libraries or national archives, the publication of scholarly journals and bibliographies, grants for the publication of scholarly works and the support of scientific and academic conferences.

General purpose information services or information services directed primarily towards the general public are excluded, as are teaching activities.

Economic and feasibility studies - investigations of the socio-economic characteristics and implications of specific situations. Such studies are generally limited to a specific problem and involve the application of established social science techniques and methodologies. Examples are a study of the viability of an iron foundry in a foreign country, or cost-benefit study of a proposed paper manufacturing centre in Manitoba.

Operations and policy studies - the analysis and assessment of departmental programs, policies and operations, the activities of units concerned with the continuing analysis and monitoring of external phenomena (e.g. foreign economic statistics, defence and security information) as well as studies to provide an information base for policy development. The work is carried out by specialized units in some government departments, by consultants, by royal commissions and by task forces.

Education support - grants to individuals or institutions intended to support the post-secondary education of students in the social sciences and humanities. General purpose grants to educational institutions are excluded. The activity includes the support of foreign students in their studies of the social sciences at Canadian or foreign institutions.

Grants intended primarily to support the research of individuals at universities are either R&D grants or research fellowships.

Museum services - the collecting, cataloguing and displaying of specimens and representations relating to the history, social organization and creative efforts of man.

The activity represents a systematic attempt to preserve and display the works of man and to provide information on his works, history, and nature. The scientific activities of historical museums, archeological displays, and art galleries are included.

The costs of providing entertainment and recreation to visitors are excluded (e.g. restaurants, children's gardens and museums).

Administration of extramural programs - the costs of identifiable units engaged in the administration of contracts and grants and contributions for scientific activities that are to be performed outside the federal government. These expenditures are broken down by the type of scientific activity supported, i.e., R&D or RSA.

G. PERSONNEL RESOURCES

Data are also collected on the personnel resources devoted to or in support of intramurally-performed S&T activities. These resources included both scientific and technical personnel directly engaged in the S&T activities, such as scientific and engineering staff, technical staff, operational staff (e.g., field hands in agricultural research), and auxiliary staff such as secretaries, typists, administrative and financial staff. In regard to auxiliary staff there are two caveats:

- i) where the S&T activities are a part of the program being reported only the auxiliary staff relevant to the S&T activities are reported on a pro rata basis;
- ii) whenever financial and administrative support is provided from another program, that support is not allocated to the S&T resources for the program being reported.

Personnel resources are reported on an equivalent full-time basis. The unit used is person-years. Thus an employee working half-time on S&T activities is reported as 0.5 person years.

Information on personnel appearing in this report is presented under the six categories identified in the general classification system that applies to most public service positions:

1. Executive: refers only to the senior executive group. It is composed of positions, the incumbents of which are responsible for managing an agency and for providing advice on the development and conduct of government programs.
2. Scientific & Professional: groups engaged in the application of a comprehensive body of knowledge acquired through university graduation or groups in which membership in Canada is generally controlled by legal licensing bodies.

3. Administrative & Foreign Service: groups engaged in the planning, execution, conduct and control of programs serving the public interest, relations between Canada and other countries and the requirements of internal management in the Public Service of Canada.
4. Technical: groups engaged in the conduct of analytical, experimental and investigative duties in all the sciences and the performance of similar technical duties in which the requisite knowledge and skills are normally acquired through completion of secondary school education and specialized training.
5. Administrative Support: groups such as clerical and regulatory; communications; data processing; office equipment operation; secretarial, stenographic, typing, and telephone operation.
6. Operational: groups engaged in the performance of a craft or of unskilled work. It refers to groups such as correctional, general services, postal operations, and printing operations.
7. Military Personnel: members of the Canadian Forces engaged in scientific activities.

H. NON-PROGRAM COSTS

Services provided by other departments, accommodation costs, the portion of administration costs attributable to scientific activities where a separate administration program exists.

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CA1 expenditures and
S20 personnel.
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