



DOMINION BUREAU OF STATISTICS

BUSINESS FINANCE DIVISION

DAILY BULLETIN SUPPLEMENT - 4

Federal Government Expenditures on Scientific Activities
Fiscal Year 1965-66

The data given below are the result of an interim survey conducted between the regular biennial surveys of Federal Government expenditures on scientific activities. A shorter, simpler form was used since the survey was intended primarily to obtain revised aggregate estimates for 1963-64 to 1965-66 and forecasts for 1966-67.

Although the questionnaire was shorter, two improvements were made. Respondents were asked to show expenditures on "testing and standardization" and to separate permanent employees from seasonal or casual employees engaged in R & D. These changes will be incorporated in the questionnaires of the biennial survey.

In order to enable the information collected to be released with the least possible delay, it is presented below without the usual analysis and comment given in the regular publication.

TABLEAU 1. Dépenses courantes et immobilisations du gouvernement fédéral en activités scientifiques, par ministère ou organisme

Ministère ou organisme	Dépenses courantes				Immobilisations			
	1963-64(1)	1964-65(1)	1965-66(1)	1966-67(2)	1963-64(1)	1964-65(1)	1965-66(1)	1966-67(2)
milliers de dollars								
Agriculture	26,333	27,406	30,368	34,190	4,244	6,003	6,433	6,979
Commission de contrôle de l'énergie atomique	900	1,250	1,600	2,000	-	-	-	-
Atomic Energy of Canada Limited	32,128	35,743	40,684	47,446	13,466	17,327	14,254	13,892
Arsenaux canadiens	355	107	178	177	-	-	5	6
Imprimerie du gouvernement du Canada	-	-	-	8	-	-	-	73
Société centrale d'hypothèque et de logement	43	46	74	119	-	-	-	-
Énergie, Mines et Ressources								
Direction de la géographie ...	798	931	1,180	1,514	-	-	30	37
Levés géologiques	7,966	8,516	8,644	9,085	251	364	751	2,444
Sciences de la mer	8,115	8,378	9,947	11,392	3,100	2,152	3,496	7,243
Mines	6,288	6,508	7,360	7,306	505	468	818	578
Observatoires	2,434	2,654	3,334	3,676	551	849	2,473	3,601
Études du plateau continental polaire	1,553	1,753	1,637	1,974	166	41	26	47
Levés et la cartographie ...	7,202	7,139	8,040	8,723	-	-	-	-
Ressources hydrauliques	3,052	3,562	4,605	7,996	307	296	625	1,325
Office fédéral	-	-	11	21	-	-	-	-
Office national de l'énergie	-	-	3	1	-	-	-	-
Totaux partiels	37,408	39,441	44,761	51,688	4,880	4,170	8,210	15,275
Pêcheries								
Directions	2,034	2,455	3,387	4,703	507	528	1,805	2,499
Office des recherches sur les pêcheries	6,222	6,847	7,851	10,400	970	1,119	1,778	2,865
Totaux partiels	8,256	9,302	11,238	15,103	1,477	1,647	3,583	5,364
Forêts et développement rural ..	9,171	11,253	13,323	16,285	1,871	2,441	1,573	3,123
Affaires indiennes et Nord canadien								
Service canadien de la faune	1,097	1,178	1,614	2,168	71	144	393	833
Centre de coordination et recherches sur le nord	122	184	237	299	13	15	14	10
Totaux partiels	1,219	1,362	1,851	2,467	84	159	407	893
Industrie	19,000	20,527	24,326	31,000	-	-	-	-
Conseil de la recherche médicale	5,184	7,040	12,385(3)	12,486	-	-	-	-
Santé nationale et Bien-être social	7,222	7,872	8,388	8,955	845	2,622	6,919	3,101
Conseil national de recherches	42,944	48,924	61,173	82,529	4,334	4,830	6,088	7,344
Postes								
Direction du génie	218	223	231	290	16	21	1	5
Travaux publics								
Laboratoires d'essais	700(4)	730(4)	779	845	40(4)	40(4)	50	75
Registraire général								
Bureau de brevets et droit d'auteur	2,664	3,083	3,462	4,095	-	-	-	-
Secrétariat d'État								
Office national du film	38	64	47	92	2	5	5	10
Galerie nationale du Canada ..	70(4)	91	112	157	-	-	-	-
Musée national du Canada	683	822	906	1,231	-	-	-	-
Totaux partiels	791	977	1,065	1,480	2	5	5	10
Commerce								
Direction des standards	196(4)	215	231	290	14(4)	15(4)	17	108
Transports								
Direction de la construction et de l'architecture	50	27	70	75	6	15	17	22
Services de la marine	359	507	765	1,449	81	33	-	-
Direction de la météorologie	1,056(5)	1,325(5)	1,454(5)	1,599(5)	306(5)	286(5)	474(5)	666(5)
Télécommunications et l'élec- tronique	265	353	342	656	985	6,205	4,944	771
Totaux partiels	1,730	2,212	2,631	3,779	1,378	6,539	5,435	1,459
Affaires des anciens combattants	420	429	425	430	-	-	-	-
Tous les ministères et orga- nismes à l'exclusion de la Défense nationale	196,882	218,142	259,173	315,662	32,651	45,819	52,989	57,709
Défense nationale								
Forces armées canadienne	29,189	27,967	45,567	43,524	2,500	2,698	10	700
Conseil de recherches pour la défense	36,330	37,477	41,673	43,244	2,194	1,751	1,954	2,035
Totaux partiels	65,519	65,444	87,240	86,768	4,694	4,449	1,964	2,735
Total	262,401	283,586	346,413	402,430	37,345	50,268	54,953	60,448

(1) Chiffres rectifiés quand nécessaire. (2) Prévisions. (3) Y compris \$3,000,000 votés dans les Estimations supplémentaires de 1965-66 mais dépensés en 1966-67. (4) Estimation du B.F.S. (5) Les dépenses réelles sont probablement plus élevées: les estimations pour la collecte des données scientifiques ne sont pas encore disponibles.

TABLEAU 2. Dépenses courantes et immobilisations du gouvernement fédéral en R & D. par ministère ou organisme

Ministère ou organisme	Dépenses courantes				Immobilisations			
	1963-64(1)	1964-65(1)	1965-66(1)	1966-67(2)	1963-64(1)	1964-65(1)	1965-66(1)	1966-67(2)
	milliers de dollars							
Agriculture	25,359	26,738	29,620	33,276	4,244	6,003	6,433	6,979
Commission de contrôle de l'énergie atomique	900	1,250	1,600	2,000	-	-	-	-
Atomic Energy of Canada Limited	32,093	35,696	40,585	47,381	13,466	17,327	14,254	13,892
Arsenaux canadiens	355	107	178	172	-	-	5	6
Imprimerie du gouvernement du Canada	-	-	-	-	-	-	-	73
Société centrale d'hypothèques et de logement	43	46	74	119	-	-	-	-
Énergie, Mines et Ressources								
Direction de la géographie ...	543	633	803	841	-	-	30	37
Levés géologiques	4,000	4,338	4,929	5,038	251	364	751	2,444
Sciences de la mer	1,768	2,469	2,851	4,069	550	363	1,247	1,713
Mines	4,931	5,107	5,902	5,864	505	468	818	578
Observatoires	2,404	2,615	3,301	3,606	551	849	2,473	3,601
Études du plateau continental polaire	155	88	64	52	-	-	-	-
Levés et la cartographie	-	-	6	72	-	-	-	-
Ressources hydrauliques	1,007	819	586	3,079	-	-	-	425
Office fédéral du charbon ...	-	-	11	21	-	-	-	-
Office national de l'énergie	-	-	-	-	-	-	-	-
Totaux partiels	14,808	16,069	18,453	22,642	1,857	2,044	5,319	8,798
Pêcheries								
Directions	2,034	2,455	3,387	4,703	507	528	1,805	2,499
Office des recherches sur les pêcheries	6,217	6,822	7,746	10,235	970	1,119	1,778	2,865
Totaux partiels	8,251	9,277	11,133	14,938	1,477	1,647	3,583	5,364
Forêts et développement rural ..	7,423	7,651	9,285	11,034	1,871	2,441	1,573	3,123
Affaires indiennes et Nord canadien								
Services canadien de la faune	740	748	979	1,312	71	144	393	885
Centre de coordination et recherches sur le nord	122	184	237	299	13	15	14	10
Totaux partiels	862	932	1,216	1,611	84	159	407	895
Industrie	19,000	20,527	24,326	31,000	-	-	-	-
Conseil de la recherche médicale	4,697	5,954	11,591(3)	11,517	-	-	-	-
Santé nationale et Bien-être sociale	6,109	6,527	6,768	7,039	824	2,622	6,919	3,101
Conseil national de recherches	37,301	43,065	53,021	72,087	4,334	4,830	6,088	7,344
Postes								
Direction du génie	215	219	208	284	16	21	1	5
Travaux publics								
Laboratoires d'essais	360(4)	370(4)	400	450	40(4)	40(4)	50	75
Secrétariat d'État								
Office national du film	38	64	47	92	2	5	5	10
Galerie nationale du Canada ..	70(4)	91	112	157	-	-	-	-
Musée national du Canada	219	299	351	466	-	-	-	-
Totaux partiels	327	454	510	715	2	5	5	10
Transports								
Direction de la construction et de l'architecture	50	25	60	65	6	15	17	22
Services de la marine	201	507	600	1,074	81	33	-	-
Direction de la météorologie	1,056	1,325	1,454	1,599	306	286	474	666
Télécommunications et l'élec- tronique	245	339	324	636	985	6,205	4,944	771
Totaux partiels	1,552	2,196	2,438	3,374	1,378	6,539	5,435	1,459
Affaires des anciens combattants	420	429	425	430	-	-	-	-
Tous les ministères et orga- nismes à l'exclusion de la Défense nationale	160,075	177,507	211,831	260,069	29,593	43,678	50,072	51,124
Défense nationale								
Forces armées canadienne	10,283	13,635	28,487	25,343	2,500	2,435	10	-
Conseil de recherches pour la défense	36,182	37,290	41,456	42,987	2,194	1,751	1,954	2,039
Totaux partiels	46,465	50,925	69,943	68,330	4,694	4,186	1,964	2,039
Total	206,540	228,432	281,774	328,399	34,287	47,864	52,036	53,163

(1) Chiffres rectifiés quand nécessaire.

(2) Prévisions.

(3) Y compris presque \$3,000,000 votés dans les Estimations supplémentaires de 1965-66 mais dépensés en 1966-67.

(4) Estimations du B.F.S.

TABLE 3. Current Expenditures of the Federal Government on Scientific Activities, by Department or Agency and by Activity, 1965-66(1)

Department or agency	R & D			Other scientific activities					Total
	Conduct of R & D	Grants in aid of research	Sub-total	Scientific data collection	Scientific information	Testing and standardization	Scholarships and fellowships	Sub-total	
thousands of dollars									
Agriculture	29,475	145	29,620	8	740	-	-	748	30,368
Atomic Energy Control Board ...	-	1,600	1,600	-	-	-	-	-	1,600
Atomic Energy of Canada Limited	40,585	-	40,585	-	-	-	99	99	40,684
Canadian Arsenals Limited	178	-	178	-	-	-	-	-	178
Canadian Government Printing Bureau	-	-	-	-	-	-	-	-	-
Central Mortgage and Housing Corporation	-	74	74	-	-	-	-	-	74
Energy, Mines and Resources									
Geographical Branch	802	1	803	243	134	-	-	377	1,180
Geological Survey of Canada	4,779	150	4,929	3,134	581	-	-	3,715	8,644
Marine Sciences	2,851	-	2,851	7,043	53	-	-	7,096	9,947
Mines	5,832	70	5,902	583	875	-	-	1,458	7,360
Observatories	3,291	10	3,301	-	33	-	-	33	3,334
Polar Continental Shelf Project	64	-	64	1,568	5	-	-	1,573	1,637
Surveys and Mapping	-	6	6	4,900	3,134	-	-	8,034	8,040
Water Resources	586	-	586	3,603	416	-	-	4,019	4,605
Other	-	11	11	-	-	3	-	3	14
Sub-totals	18,205	248	18,453	21,074	5,231	3	-	26,308	44,761
Fisheries									
Branches	3,375	12	3,387	-	-	-	-	-	3,387
Fisheries Research Board ...	7,690	56	7,746	-	80	-	25	105	7,851
Sub-totals	11,065	68	11,133	-	80	-	25	105	11,238
Forestry and Rural Development	7,837	1,448	9,285	3,563	475	-	-	4,038	13,323
Indian Affairs and Northern Development									
Canadian Wildlife Service ...	979	-	979	564	65	-	6	635	1,314
Northern Co-ordination and Research Centre	62	175	237	-	-	-	-	-	237
Sub-totals	1,041	175	1,216	564	65	-	6	635	1,551
Industry	23,898	428	24,326	-	-	-	-	-	24,326
Medical Research Council	1,218	10,373	11,591	15	25	-	754	794	12,385(2)
National Health and Welfare ...	2,103	4,665	6,768	734	99	482	305	1,620	8,388
National Research Council	30,834	22,187	53,021	233	3,299	1,620(3)	3,000	8,152	61,173
Post Office									
Engineering Branch	208	-	208	-	4	19	-	23	231
Public Works									
Testing Laboratories	400	-	400	-	-	379	-	379	779
Registrar General									
Patent and Copyright Office	-	-	-	-	3,462	-	-	3,462	3,462
Secretary of State									
National Film Board	47	-	47	-	-	-	-	-	47
National Gallery	112	-	112	-	-	-	-	-	112
National Museum	351	-	351	355	200	-	-	555	906
Sub-totals	510	-	510	355	200	-	-	555	1,065
Trade and Commerce									
Standards Branch	-	-	-	-	-	231	-	231	231
Transport									
Construction Engineering and Architectural Branch	60	-	60	5	-	5	-	10	70
Marine Services	600	-	600	165	-	-	-	165	765
Meteorological Branch	1,344	110	1,454	- (4)	-	-	-	-	1,454
Telecommunications and Electronics	324	-	324	-	18	-	-	18	342
Sub-totals	2,328	110	2,438	170	18	5	-	193	2,631
Veterans Affairs	425	-	425	-	-	-	-	-	425
All departments and agencies except National Defence	170,310	41,521	211,831	26,716	13,698	2,739	4,189	47,342	259,173
National Defence									
Canadian Armed Forces	28,487	-	28,487	515	1,565	15,000(3)	-	17,080	45,567
Defence Research Board	34,086	7,370	41,456	-	116	-	101	217	41,673
Sub-totals	62,573	7,370	69,943	515	1,681	15,000	101	17,297	87,240
Totals	232,883	48,891	281,774	27,231	15,379	17,739	4,290	64,639	346,513

(1) Revised when necessary.

(2) Including \$3,000,000 provided in Supplementary Estimates for 1965-66 but disbursed in 1966-67.

(3) Formerly shown as expenditures on R & D.

(4) Estimates of expenditures on scientific data collection are not yet available.

TABLE 4. Current Expenditures of the Federal Government on Scientific Activities, by Department or Agency and by Activity, 1966-67(1)

Department or agency	R & D			Other scientific activities					Total
	Conduct of R & D	Grants in aid of research	Sub-total	Scientific data collection	Scientific information	Testing and standardization	Scholarships and fellowships	Sub-total	
thousands of dollars									
Agriculture	32,826	450	33,276	9	905	-	-	914	34,190
Atomic Energy Control Board ...	-	2,000	2,000	-	-	-	-	-	2,000
Atomic Energy of Canada Limited	47,381	-	47,381	-	-	-	65	65	47,446
Canadian Arsenals Limited	172	-	172	-	-	5	-	5	177
Canadian Government Printing Bureau	-	-	-	-	-	8	-	8	8
Central Mortgage and Housing Corporation	-	119	119	-	-	-	-	-	119
Energy, Mines and Resources									
Geographical Branch	816	25	841	373	300	-	-	673	1,514
Geological Survey of Canada	4,888	150	5,038	3,410	637	-	-	4,047	9,085
Marine Sciences	4,069	-	4,069	7,235	88	-	-	7,323	11,392
Mines	5,764	100	5,864	577	865	-	-	1,442	7,306
Observatories	3,596	10	3,606	-	70	-	-	70	3,676
Polar Continental Shelf Project	52	-	52	1,917	5	-	-	1,922	1,974
Surveys and Mapping	60	12	72	5,277	3,374	-	-	8,651	8,723
Water Resources	3,029	50	3,079	4,295	622	-	-	4,917	7,996
Other	7	14	21	-	-	1	-	1	22
Sub-totals	22,281	361	22,642	23,084	5,961	1	-	29,046	51,688
Fisheries									
Branches	4,684	19	4,703	-	-	-	-	-	4,703
Fisheries Research Board	9,985	250	10,235	-	150	-	15	165	10,400
Sub-totals	14,669	269	14,938	-	150	-	15	165	15,103
Forestry and Rural Development	10,194	840	11,034	4,634	617	-	-	5,251	16,285
Indian Affairs and Northern Development									
Canadian Wildlife Service ...	1,312	-	1,312	774	70	-	12	856	2,168
Northern Co-ordination and Research Centre	69	230	299	-	-	-	-	-	299
Sub-totals	1,381	230	1,611	774	70	-	12	856	2,467
Industry	25,000	6,000	31,000	-	-	-	-	-	31,000
Medical Research Council	1,793	9,724	11,517	15	21	-	933	969	12,486
National Health and Welfare ...	2,674	4,365	7,039	800	123	576	417	1,916	8,955
National Research Council	37,874	34,213	72,087	250	4,085	1,760	4,347	10,442	82,529
Post Office									
Engineering Branch	284	-	284	-	4	2	-	6	290
Public Works									
Testing Laboratories	450	-	450	-	-	395	-	395	845
Registrar General									
Patent and Copyright Office	-	-	-	-	4,095	-	-	4,095	4,095
Secretary of State									
National Film Board	92	-	92	-	-	-	-	-	92
National Gallery	157	-	157	-	-	-	-	-	157
National Museum	466	-	466	440	325	-	-	765	1,231
Sub-totals	715	-	715	440	325	-	-	765	1,480
Trade and Commerce									
Standards Branch	-	-	-	-	-	290	-	290	290
Transport									
Construction Engineering and Architectural Branch	65	-	65	5	-	5	-	10	75
Marine Services	1,074	-	1,074	250	125	-	-	375	1,449
Meteorological Branch	1,474	125	1,599	(2)	-	-	-	-	1,599
Telecommunications and Electronics	636	-	636	-	20	-	-	20	656
Sub-totals	3,249	125	3,374	255	145	5	-	405	3,779
Veterans Affairs	430	-	430	-	-	-	-	-	430
All departments and agencies except National Defence									
Defence	201,373	58,696	260,069	30,261	16,501	3,042	5,789	55,593	315,662
National Defence									
Canadian Armed Forces	25,343	-	25,343	542	1,716	15,923	-	18,181	43,524
Defence Research Board	35,728	7,259	42,987	-	143	-	114	257	43,244
Sub-totals	61,071	7,259	68,330	542	1,859	15,923	114	18,438	86,768
Totals	262,444	65,955	328,399	30,803	18,360	18,965	5,903	74,031	402,430

(1) Forecast.

(2) Estimates of expenditures on scientific data collection are not yet available.

TABLE 5. Current Expenditures of the Federal Government on Scientific Activities, by Department or Agency and by Performer, 1965-66(1)

Department or agency	Federal Government	Canadian industry	Canadian educational institutions	Canadian non-profit institutions	Other	Total
thousands of dollars						
Agriculture	30,223	-	138	-	7	30,368
Atomic Energy Control Board ...	-	-	1,600	-	-	1,600
Atomic Energy of Canada Limited	34,870	5,592	222	-	-	40,684
Canadian Arsenals Limited	178	-	-	-	-	178
Canadian Government Printing Bureau	-	-	-	-	-	-
Central Mortgage and Housing Corporation	20	6	8	-	40	74
Energy, Mines and Resources						
Geographical Branch	1,179	-	1	-	-	1,180
Geological Survey of Canada	7,356	1,138	150	-	-	8,644
Marine Sciences	9,947	-	-	-	-	9,947
Mines	7,290	-	70	-	-	7,360
Observatories	3,320	-	10	4	-	3,334
Polar Continental Shelf Project	1,637	-	-	-	-	1,637
Surveys and Mapping	8,034	-	6	-	-	8,040
Water Resources	4,605	-	-	-	-	4,605
Other	3	-	-	-	11	14
Sub-totals	43,371	1,138	237	4	11	44,761
Fisheries						
Branches	2,821	-	12	-	554	3,387
Fisheries Research Board ...	7,770	-	81	-	-	7,851
Sub-totals	10,591	-	93	-	554	11,238
Forestry and Rural Development	11,875	1,382	58	8	-	13,323
Indian Affairs and Northern Development						
Canadian Wildlife Service ...	1,608	-	6	-	-	1,614
Northern Co-ordination and Research Centre	-	-	150	87	-	237
Sub-totals	1,608	-	156	87	-	1,851
Industry	-	21,915	2,400	11	-	24,326
Medical Research Council	124	-	10,601	1,485	175	12,385(2)
National Health and Welfare ...	3,545	-	2,488	2,116	239	8,388
National Research Council	35,234	3,539	20,797	324	1,279	61,173
Post Office						
Engineering Branch	181	29	-	-	21	231
Public Works						
Testing Laboratories	779	-	-	-	-	779
Registrar General						
Patent and Copyright Office	3,462	-	-	-	-	3,462
Secretary of State						
National Film Board	47	-	-	-	-	47
National Gallery	112	-	-	-	-	112
National Museum	841	-	-	-	65	906
Sub-totals	1,000	-	-	-	65	1,065
Trade and Commerce						
Standards Branch	231	-	-	-	-	231
Transport						
Construction Engineering and Architectural Branch	70	-	-	-	-	70
Marine Services	765	-	-	-	-	765
Meteorological Branch	1,280(3)	-	159	-	15	1,454
Telecommunications and Electronics	297	45	-	-	-	342
Sub-totals	2,412	45	159	-	15	2,631
Veterans Affairs	425	-	-	-	-	425
All departments and agencies except National Defence	180,129	33,646	38,957	4,035	2,406	259,173
National Defence						
Canadian Armed Forces	17,953	27,614	-	-	-	45,567
Defence Research Board	32,763	6,307	2,506	30	67	41,673
Sub-totals	50,716	33,921	2,506	30	67	87,240
Totals	230,845	67,567	41,463	4,065	2,473	346,413

(1) Revised when necessary.

(2) Including \$3,000,000 provided in Supplementary Estimates for 1965-66 but disbursed in 1966-67.

(3) Estimates of expenditures on scientific data collection are not yet available.

TABLE 6. Current Expenditures of the Federal Government on Scientific Activities, by Department or Agency and by Performer, 1966-67(1)

Department or agency	Federal Government	Canadian industry	Canadian educational institutions	Canadian non-profit institutions	Other	Total
thousands of dollars						
Agriculture	33,740	-	450	-	-	34,190
Atomic Energy Control Board ...	-	-	2,000	-	-	2,000
Atomic Energy of Canada Limited	40,133	6,933	380	-	-	47,446
Canadian Arsenals Limited	177	-	-	-	-	177
Canadian Government Printing Bureau	8	-	-	-	-	8
Central Mortgage and Housing Corporation	30	12	5	-	72	119
<u>Energy, Mines and Resources</u>						
Geographical Branch	1,489	-	25	-	-	1,514
Geological Survey of Canada	7,369	1,566	150	-	-	9,085
Marine Sciences	11,392	-	-	-	-	11,392
Mines	7,206	-	100	-	-	7,306
Observatories	3,646	-	10	20	-	3,676
Polar Continental Shelf Project	1,974	-	-	-	-	1,974
Surveys and Mapping	8,711	-	12	-	-	8,723
Water Resources	7,946	-	50	-	-	7,996
Other	8	6	3	-	5	22
Sub-totals	49,741	1,572	350	20	5	51,688
<u>Fisheries</u>						
Branches	3,616	-	19	-	1,068	4,703
Fisheries Research Board ...	10,135	-	265	-	-	10,400
Sub-totals	13,751	-	284	-	1,068	15,103
Forestry and Rural Development	15,445	750	90	-	-	16,285
<u>Indian Affairs and Northern Development</u>						
Canadian Wildlife Service ...	2,156	-	12	-	-	2,168
Northern Co-ordination and Research Centre	-	-	260	39	-	299
Sub-totals	2,156	-	272	39	-	2,467
<u>Industry</u>						
Medical Research Council	136	29,500	1,500	-	-	31,000
National Health and Welfare ...	4,309	-	10,762	1,371	217	12,486
National Research Council	42,830	4,650	32,654	449	1,946	82,529
<u>Post Office</u>						
Engineering Branch	240	44	-	-	6	290
<u>Public Works</u>						
Testing Laboratories	845	-	-	-	-	845
<u>Registrar General</u>						
Patent and Copyright Office	4,095	-	-	-	-	4,095
<u>Secretary of State</u>						
National Film Board	92	-	-	-	-	92
National Gallery	157	-	-	-	-	157
National Museum	1,156	-	-	-	75	1,231
Sub-totals	1,405	-	-	-	75	1,480
<u>Trade and Commerce</u>						
Standards Branch	290	-	-	-	-	290
<u>Transport</u>						
Construction Engineering and Architectural Branch	75	-	-	-	-	75
Marine Services	1,449	-	-	-	-	1,449
Meteorological Branch	1,367(2)	-	222	-	10	1,599
Telecommunications and Electronics	516	140	-	-	-	656
Sub-totals	3,407	140	222	-	10	3,779
Veterans Affairs	430	-	-	-	-	430
All departments and agencies except National Defence	213,168	43,601	51,795	3,426	3,672	315,662
<u>National Defence</u>						
Canadian Armed Forces	19,057	24,467	-	-	-	43,524
Defence Research Board	33,754	6,080	3,214	46	150	43,244
Sub-totals	52,811	30,547	3,214	46	150	86,768
Totals	265,979	74,148	55,009	3,472	3,822	402,430

(1) Forecast.

(2) Estimates of expenditures on scientific data collection are not yet available.

TABLE 7. Current Expenditures of the Federal Government on R & D, by Department or Agency and by Performer, 1965-66(1)

Department or agency	Federal Government	Canadian industry	Canadian educational institutions	Canadian non-profit organizations	Other	Total
thousands of dollars						
Agriculture	29,475	-	138	-	7	29,620
Atomic Energy Control Board ...	-	-	1,600	-	-	1,600
Atomic Energy of Canada Limited	34,870	5,592	123	-	-	40,585
Canadian Arsenal Limited	178	-	-	-	-	178
Central Mortgage and Housing Corporation	20	6	8	-	40	74
Energy, Mines and Resources						
Geographical Branch	802	-	1	-	-	803
Geological Survey of Canada	4,779	-	150	-	-	4,929
Marine Sciences	2,851	-	-	-	-	2,851
Mines	5,832	-	70	-	-	5,902
Observatories	3,291	-	10	-	-	3,301
Polar Continental Shelf Project	64	-	-	-	-	64
Surveys and Mapping	-	-	6	-	-	6
Water Resources	586	-	-	-	-	586
Other	-	-	-	-	11	11
Sub-totals	18,205	-	237	-	11	18,453
Fisheries						
Branches	2,821	-	12	-	554	3,387
Fisheries Research Board ...	7,690	-	56	-	-	7,746
Sub-totals	10,511	-	68	-	554	11,133
Forestry and Rural Development	7,837	1,382	58	8	-	9,285
Indian Affairs and Northern Development						
Canadian Wildlife Service ...	979	-	-	-	-	979
Northern Co-ordination and Research Centre	-	-	150	87	-	237
Sub-totals	979	-	150	87	-	1,216
Industry	-	21,915	2,400	11	-	24,326
Medical Research Council(2) ...	62	-	10,167	1,355	7	11,591
National Health and Welfare ...	2,230	-	2,183	2,116	239	6,768
National Research Council	30,835	3,306	18,038	69	773	53,021
Post Office						
Engineering Branch	158	29	-	-	21	208
Public Works						
Testing Laboratories	400	-	-	-	-	400
Secretary of State						
National Film Board	47	-	-	-	-	47
National Gallery	112	-	-	-	-	112
National Museum	286	-	-	-	65	351
Sub-totals	445	-	-	-	65	510
Transport						
Construction Engineering and Architectural Branch	60	-	-	-	-	60
Marine Services	600	-	-	-	-	600
Meteorological Branch	1,280	-	159	-	15	1,454
Telecommunications and Electronics	279	45	-	-	-	324
Sub-totals	2,219	45	159	-	15	2,438
Veterans Affairs	425	-	-	-	-	425
All departments and agencies except National Defence	138,849	32,275	35,329	3,646	1,732	211,831
National Defence						
Canadian Armed Forces	1,625	26,862	-	-	-	28,487
Defence Research Board	32,647	6,307	2,405	30	67	41,456
Sub-totals	34,272	33,169	2,405	30	67	69,943
Totals	173,121	65,444	37,734	3,676	1,799	281,774

(1) Revised when necessary.

(2) Including almost \$3,000,000 provided in Supplementary Estimates for 1965-66 but disbursed in 1966-67.

TABLE 8. Current Expenditures of the Federal Government on R & D, by Department or Agency and by Performer, 1966-67(1)

Department or agency	Federal Government	Canadian industry	Canadian educational institutions	Canadian non-profit organizations	Other	Total
thousand of dollars						
Agriculture	32,826	-	450	-	-	33,276
Atomic Energy Control Board ...	-	-	2,000	-	-	2,000
Atomic Energy of Canada Limited	40,133	6,933	315	-	-	47,381
Canadian Arsenals Limited	172	-	-	-	-	172
Central Mortgage and Housing Corporation	30	12	5	-	72	119
<u>Energy, Mines and Resources</u>						
Geographical Branch	816	-	25	-	-	841
Geological Survey of Canada	4,888	-	150	-	-	5,038
Marine Sciences	4,069	-	-	-	-	4,069
Mines	5,764	-	100	-	-	5,864
Observatories	3,596	-	10	-	-	3,606
<u>Polar Continental Shelf</u>						
Project	52	-	-	-	-	52
Surveys and Mapping	60	-	12	-	-	72
Water Resources	3,029	-	50	-	-	3,079
Other	7	6	3	-	5	21
Sub-totals	22,281	6	350	-	5	22,642
<u>Fisheries</u>						
Branches	3,616	-	19	-	1,068	4,703
Fisheries Research Board	9,985	-	250	-	-	10,235
Sub-totals	13,601	-	269	-	1,068	14,938
Forestry and Rural Development	10,194	750	90	-	-	11,034
<u>Indian Affairs and Northern Development</u>						
Canadian Wildlife Service ...	1,312	-	-	-	-	1,312
Northern Co-ordination and Research Centre	-	-	260	39	-	299
Sub-totals	1,312	-	260	39	-	1,611
Industry	-	29,500	1,500	-	-	31,000
Medical Research Council	68	-	10,234	1,208	7	11,517
National Health and Welfare ...	2,810	-	2,409	1,547	273	7,039
National Research Council	37,751	4,400	28,785	98	1,053	72,087
<u>Post Office</u>						
Engineering Branch	234	44	-	-	6	284
<u>Public Works</u>						
Testing laboratories	450	-	-	-	-	450
<u>Secretary of State</u>						
National Film Board	92	-	-	-	-	92
National Gallery	157	-	-	-	-	157
National Museum	391	-	-	-	75	466
Sub-totals	640	-	-	-	75	715
<u>Transport</u>						
<u>Construction Engineering and Architectural Branch</u>						
Architectural Branch	65	-	-	-	-	65
Marine Services	1,074	-	-	-	-	1,074
Meteorological Branch	1,367	-	222	-	10	1,599
<u>Telecommunications and Electronics</u>						
Electronics	496	140	-	-	-	636
Sub-totals	3,002	140	222	-	10	3,374
Veterans Affairs	430	-	-	-	-	430
<u>All departments and agencies except National Defence</u>						
Defence	165,934	41,785	46,889	2,892	2,569	260,069
<u>National Defence</u>						
Canadian Armed Forces	1,645	23,698	-	-	-	25,343
Defence Research Board	33,611	6,080	3,100	46	150	42,987
Sub-totals	35,256	29,778	3,100	46	150	68,330
Totals	201,190	71,563	49,989	2,938	2,719	328,399

(1) Forecast.

TABLEAU 9. Dépenses courantes du gouvernement fédéral en R & D, par ministère ou organisme et par domaine d'application, 1965-66(1)

Ministère ou organisme	Science nucléaire	Voyages et communications spatiaux	Science militaire	Agriculture, pêche et forestage	Construction	Transports	Santé	Industrie	Régions en voie de développement	Autres	Total
milliers de dollars											
Agriculture	-	-	-	29,620	-	-	-	-	-	-	29,620
Commission de contrôle de l'énergie atomique	1,600	-	-	-	-	-	-	-	-	-	1,600
Atomic Energy of Canada Limited	40,585	-	-	-	-	-	-	-	-	-	40,585
Énergie, Mines et Ressources	-	-	18	-	-	-	-	5,895	5,738	6,802(2)	18,453
Pêcheries	-	-	-	11,133	-	-	-	-	-	-	11,133
Forêts et développement rural	-	-	-	9,285	-	-	-	-	-	-	9,285
Affaires indiennes et Nord canadien	-	-	-	979	-	-	-	-	237	-	1,216
Industrie	-	-	23,898	-	-	-	-	428	-	-	24,326
Conseil de la recherche médicale	-	-	-	-	-	-	11,591(3)	-	-	-	11,591
Santé nationale et Bien-être social	-	-	-	-	-	-	6,768	-	-	-	6,768
Conseil national de recherches	2,305	2,848	2,185	7,304	2,861	931	1,674	11,363	-	21,550(4)	53,021
Transports	-	-	-	-	53	2,061	-	-	-	324	2,438
Autres	-	-	178	-	368	32	499	47	-	671	1,795
Défense nationale	-	3,109	65,590	-	-	-	1,244	-	-	-	69,943
Total	44,490	5,957	91,869	58,321	3,282	3,024	21,776	17,733	5,975	29,347	281,774
Pourcentage du total %	15.8	2.1	32.6	20.7	1.2	1.1	7.7	6.3	2.1	10.4	100.0

(1) Chiffres rectifiés quand nécessaire. (2) La recherche en ressources hydrauliques, l'océanographie et l'astronomie. (3) Y compris presque \$3,000,000 votés dans les Estimations supplémentaires de 1965-66 mais dépensés en 1966-67. (4) En majeure partie pour la recherche fondamentale non orientée.

TABLEAU 10. Dépenses courantes du gouvernement fédéral en R & D, par ministère ou organisme et par domaine d'application, 1966-67(1)

Ministère ou organisme	Science nucléaire	Voyages et communications spatiaux	Science militaire	Agriculture, pêche et forestage	Construction	Transports	Santé	Industrie	Régions en voie de développement	Autres	Total
milliers de dollars											
Agriculture	-	-	-	33,276	-	-	-	-	-	-	33,276
Commission de contrôle de l'énergie atomique	2,000	-	-	-	-	-	-	-	-	-	2,000
Atomic Energy of Canada Limited	47,381	-	-	-	-	-	-	-	-	-	47,381
Énergie, Mines et Ressources	-	-	18	-	-	-	-	5,867	5,951	10,806(2)	22,642
Pêcheries	-	-	-	14,938	-	-	-	-	-	-	14,938
Forêts et développement rural	-	-	-	11,034	-	-	-	-	-	-	11,034
Affaires indiennes et Nord canadien	-	-	-	1,312	-	-	-	-	299	-	1,611
Industrie	-	-	25,000	-	-	-	-	6,000	-	-	31,000
Conseil de la recherche médicale	-	-	-	-	-	-	11,517	-	-	-	11,517
Santé nationale et Bien-être social	-	-	-	-	-	-	7,039	-	-	-	7,039
Conseil national de recherches	3,236	5,537	2,351	10,372	3,214	1,107	2,371	14,912	-	28,987(3)	72,087
Transports	-	150	-	-	57	2,681	-	-	-	486	3,374
Autres	-	-	172	-	467	36	496	92	-	907	2,170
Défense nationale	-	3,224	63,816	-	-	-	1,290	-	-	-	68,330
Total	52,617	8,911	91,357	70,932	3,738	3,824	22,713	26,871	6,250	41,186	328,399
Pourcentage du total %	16.0	2.7	27.8	21.6	1.1	1.2	6.9	8.2	1.9	12.6	100.0

(1) Prévisions. (2) La recherche en ressources hydrauliques, l'océanographie et l'astronomie. (3) En majeure partie pour la recherche fondamentale non orientée.

TABIEAU 11. Personnel permanent employé par le gouvernement fédéral dans l'exécution de la R & D intra-muros, par ministère ou organisme, le 31 mars 1966

équivalent plein temps

Ministère ou organisme	Cadres scientifiques et techniques				Personnel auxiliaire	Total
	Bacheliers	Maîtres	Docteurs	Total partiel		
Agriculture	155	261	558	974	2,471	3,445
Atomic Energy of Canada Limited	138	63	131	332	2,600	2,932
Énergie, Mines et Ressources ..	280	124	266	670	817	1,487
Pêcheries	123	73	92	288	494	782
Forêts et développement rural	71	111	138	320	513	833
Affaires indiennes et Nord canadien	11	32	17	60	8	68
Santé nationale et Bien-être social	261	58	178	497	462	959
Conseil national de recherches	152	167	380	699	1,867	2,566
Transports	40	46	10	96	99	195
Autres	53	34	56	143	228	371
Conseil de recherches pour la défense	204	198	169	571	1,995	2,566
Total	1,488	1,167	1,995	4,650	11,554	16,204

TABIEAU 12. Tout personnel employé par le gouvernement fédéral dans l'exécution de la R & D intra-muros, par ministère ou organisme, 1966(1)

équivalent plein temps

Ministère ou organisme	Cadres scientifiques et techniques				Personnel auxiliaire	Total
	Bacheliers	Maîtres	Docteurs	Total partiel		
Agriculture	160	261	558	979	3,291	4,270
Atomic Energy of Canada Limited(2)	138	63	131	332	3,050	3,382
Énergie, Mines et Ressources(2)	295	126	266	687	975	1,662
Pêcheries	136	77	99	312	626	938
Forêts et développement rural	108	111	138	357	815	1,172
Affaires indiennes et Nord canadien	25	36	17	78	10	88
Santé nationale et Bien-être social(2)	261	58	178	497	462	959
Conseil national de recherches	198	169	397	764	2,007	2,771
Transports	42	46	10	98	105	203
Autres	53	34	56	143	240	383
Conseil de recherches pour la défense	307	220	177	704	2,098	2,802
Total	1,723	1,201	2,027	4,951	13,679	18,630

(1) Personnel permanent au 31 mars 1966, plus le personnel saisonnier et d'occasion employé au cours de l'année.

(2) Les données ne sont pas nécessairement comparables à celles des années précédentes.

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