

FEDERAL SCIENCE EXPENDITURES
AND PERSONNEL

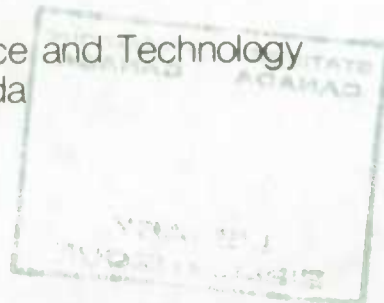
1981/82

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Ministry of State

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1981/1982

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|-----|--|---------------------------------|----------------|-----------|------------|
| S&T | Totals | by department & by committee | 10 110 | - - | - - |
| | Totals | by performer & by committee | 12 112 | 44 - | 76 - |
| | Detailed activity | by performer | 13 | 45 | 77 |
| | Science activity | by department & by committee | 14 116 | 46 118 | 78 124 |
| | Performance sector | by department | 16 | 48 | 80 |
| | Intramural | by department | 18 | 50 | 82 |
| | Industry | by department | 20 | 52 | 84 |
| | University | by department | 21 | 53 | 85 |
| | Non-profit | by department | 22 | 54 | 86 |
| | Provincial & municipal | by department | 23 | 55 | 87 |
| | Foreign | by department | 24 | 56 | 88 |
| | Other | by department | 25 | 57 | 89 |
| | Total Science Activity | by committee | 109 | 109 | 109 |
| R&D | Total | by performer | 26 | 58 | 90 |
| RSA | Total | by performer | 27 | 59 | 91 |
| R&D | Performance sector | by department | 28 | 60 | 92 |
| | Industry, type of payment | by department | 30 | 62 | 94 |
| | University plus non- profit, type of payment | by department | 32 | 64 | 96 |
| RSA | Performance sector | by department | 34 | 66 | 98 |
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| | |
|---------------|-----|
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ACKNOWLEDGEMENT

This report presents a snapshot of science statistics taken in the context of the budgetary process which recently culminated in the tabling of Main Estimates 1981/1982.

Many people from many departments and agencies contributed to the preparation of this report. Members of the Interdepartmental Committee on Science Expenditures are owed special thanks for their assistance in providing the historical and planned science expenditure data on which this report is based. The Treasury Board Secretariat made it possible for these statistics to be derived through the budgetary machinery by incorporating the federal science statistics program of Statistics Canada and MOSST as addenda to the calls for Main Estimates and Program Forecasts.

The Science Statistics Centre, a Statistics Canada satellite located at MOSST, worked very closely with MOSST personnel and departmental contacts to ensure that the data base, derived in this way, would be accurate, consistent, and, of course, timely.

Finally, recognition must be given to the Research and Information Services Division of MOSST, whose programming efforts contributed significantly to the attractive appearance and convenient reproduction of the tables that form the core of this report.

INTRODUCTION

This document presents tables displaying Federal Government expenditures and personnel resources in the natural and human sciences. It is intended to accompany the Ministry publication Federal Science Activities 1981/82. As it is designed primarily for those with a knowledge of the nature of the government's scientific activities, a minimum of descriptive material is presented.

There are four main sections and an appendix. The sections present, in turn, data on the natural and human sciences combined, on the natural sciences, and on the human sciences. The fourth section presents expenditure data arranged according to the Cabinet policy committees under which the departments and agencies are grouped. The appendix contains definitions of terms and limitations of the surveys. Readers are urged to examine this appendix before attempting to draw conclusions from the data.

The data used for this publication are taken from the 1981/82 Main Estimates survey of expenditures and personnel resources in the natural and human sciences. Therefore, expenditures for each of fiscal years 1979/80, 1980/81 and 1981/82 are actual, forecast and estimates respectively.

Personnel categories are measured in full-time equivalent, that is, the number of person-years actually devoted to scientific activities by all the employees engaged in these activities. The totals include continuing, term, casual and seasonal employees. The 1979/80 data are actual, while the 1980/81 data include actual continuing to September 30, 1980, and forecast authorized totals to March 31, 1981. The 1981/82 data are estimates.

Note that "non-program" costs are not included. See the appendix for an explanation of this exclusion. Data which include "non-program" costs can be found in Statistics Canada publication, The Annual Review of Science Statistics (Cat. No. 13-212), and in various numbers of the Service Bulletin (Cat. No. 13-003).

Additional expansions or variations of these tabulations are available on request to the Program Review and Assessment Division.

Federal departments, agencies and programs are listed in the tables in the order used in Main Estimates for 1981/82. All agencies are listed by the ministers through whom they report to Parliament--for example, Statistics Canada is found under Supply and Services Canada. Program expenditures are listed on the appropriate lines, and summed to give departmental total, but non-departmental agencies are not included in these totals. For example, the amount shown opposite AGR is the sum of the corresponding amounts opposite the four programs that begin with AGR- (AGR-ADM, AGR-DEV, and so on), while expenditures under CLFB are not included in the AGR total.

The abbreviations used are given in the following list.

AGRICULTURE

| | |
|---------|-------------------------------------|
| AGR | Department |
| AGR-ADM | Administration |
| AGR-DEV | Agri-Food Development Program |
| AGR-RI | Agri-Food Regulation and Inspection |
| AGR-CGC | Canadian Grain Commission |
| CDC | Canadian Dairy Commission |
| CLFB | Canadian Livestock Feed Board |

COMMUNICATIONS

| | |
|-----------|--|
| COMM | Department |
| COMM-COMM | Communications |
| COMM-AC | Arts and Culture |
| CBC | Canadian Broadcasting Corporation |
| 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) |
| CCA-CICP | Combines Investigation and Competition Policy |

ECONOMIC DEVELOPMENT

| | |
|----|-------------------|
| ED | Ministry of State |
|----|-------------------|

EMPLOYMENT & IMMIGRATION

| | |
|--------|---|
| EI | Department |
| EI-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-AD | Administration |
| ENV-ES | Environmental Services |
| ENV-EPS | Environmental Protection Services |
| ENV-AES | Atmospheric Environment Services |
| ENV-ECS | Environmental Conservation Services |
| ENV-FOR | Canadian Forestry Service |
| ENV-PC | Parks Canada |

EXTERNAL AFFAIRS

| | |
|--------|---|
| EA | Department |
| EA-CIA | Canadian Interests Abroad |
| CIDA | Canadian International Development Agency |
| IDRC | International Development Research Centre |

FINANCE

| | |
|---------|---------------------------------|
| FIN | Department |
| FIN-FEP | Financial and Economic Policies |

FISHERIES AND OCEANS

| | |
|--------|------------------------------|
| F&O | Department |
| F&O-FM | Fisheries and Marine Service |

INDIAN AFFAIRS & NORTHERN DEVELOPMENT

| | |
|----------|--------------------------|
| IAND | Department |
| IAND-IIA | Indian and Inuit Affairs |
| IAND-NA | Northern Affairs |

INDUSTRY TRADE AND COMMERCE

| | |
|----------|---------------------|
| ITC | Department |
| ITC-TI | Trade-Industrial |
| ITC-TOUR | Tourism |
| ITC-GO | Grains and Oilseeds |

JUSTICE

| | |
|-----------|-----------------------------------|
| JUST | Department |
| JUST-ADM | Administration |
| JUST-CUIO | Canadian Unity Information Office |
| CHRC | Canadian Human Rights Commission |
| LRC | Law Reform Commission |

LABOUR

| | |
|-----|------------|
| LAB | Department |
|-----|------------|

NATIONAL DEFENCE

| | |
|----------|------------------|
| NDEF | Department |
| NDEF-SER | Defence Services |

NATIONAL HEALTH AND WELFARE

| | |
|---------|----------------------------|
| NHW | Department |
| NHW-ADM | Administration |
| NHW-HSS | Health and Social Services |
| NHW-MS | Medical Services |
| NHW-HP | Health Protection |
| NHW-IS | Income Security |
| MRC | Medical Research Council |

NATIONAL REVENUE

| | |
|----------|------------|
| NREV | Department |
| NREV-TAX | Taxation |

POST OFFICE

| | |
|----|------------|
| PO | Department |
|----|------------|

PRIVY COUNCIL

| | |
|-----|------------------------------------|
| PC | Privy Council |
| COL | Commissioner of Official Languages |
| ECC | 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 ECONOMIC EXPANSION

| | |
|-----|------------|
| REE | Department |
|-----|------------|

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-OL | Official Languages |
| SECS-ES | Education Support |
| SECS-TRA | Translation |
| SECS-CIT | Citizenship |
| PSC | Public Service Commission |

SOLICITOR GENERAL

| | |
|----------|-------------------------------|
| SGEN | Department |
| SGEN-ADM | Administration |
| RCMP | Royal Canadian Mounted Police |

SUPPLY AND SERVICES

| | |
|---------|------------|
| SS | Department |
| SS-SUPP | Supply |
| STCAN | Department |

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 |

1

Natural and Human Sciences

TABLE 1

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|--------|---------|---------|--------|---------|---------|--------|---------|
| | NATURAL | HUMAN | TOTAL | NATURAL | HUMAN | TOTAL | NATURAL | HUMAN | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 142,400 | 1,541 | 143,941 | 151,025 | 1,857 | 152,882 | 167,874 | 2,271 | 170,145 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEL | 3,134 | 491 | 3,625 | 3,212 | 607 | 3,819 | 3,729 | 583 | 4,312 |
| AGR-RI | 131,745 | 1,050 | 132,795 | 138,947 | 1,250 | 140,197 | 153,074 | 1,688 | 154,762 |
| AGR-CGC | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| CDC | 2,835 | 479 | 3,314 | 3,193 | 600 | 3,793 | 3,515 | 1,000 | 4,515 |
| CLFB | --- | 79 | 79 | --- | 119 | 119 | --- | 136 | 136 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 53,489 | 5,719 | 59,208 | 65,602 | 5,974 | 71,576 | 50,511 | 7,033 | 57,544 |
| COMM-COMM | 53,489 | 5,137 | 58,626 | 65,602 | 5,311 | 70,913 | 50,511 | 6,274 | 56,785 |
| COMM-AC | --- | 582 | 582 | --- | 663 | 663 | --- | 759 | 759 |
| CBC | --- | 3,348 | 3,348 | --- | 3,654 | 3,654 | --- | 3,974 | 3,974 |
| CRTC | --- | 542 | 542 | --- | 776 | 776 | --- | 679 | 679 |
| NFB | 499 | --- | 499 | 636 | --- | 636 | 698 | --- | 698 |
| NLIB | --- | 14,730 | 14,730 | --- | 17,179 | 17,179 | --- | 21,572 | 21,572 |
| NMUS | 18,079 | 31,983 | 50,062 | 21,093 | 32,245 | 53,338 | 20,832 | 35,298 | 56,130 |
| PA | --- | 9,320 | 9,320 | --- | 9,900 | 9,900 | --- | 12,009 | 12,009 |
| SSHRC | --- | 36,581 | 36,581 | --- | 42,641 | 42,641 | --- | 45,601 | 45,601 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 9,613 | 2,575 | 12,188 | 11,205 | 2,779 | 13,984 | 12,088 | 2,962 | 15,050 |
| CCA-ADM | --- | 433 | 433 | --- | 489 | 489 | --- | 649 | 649 |
| CCA-CON | 1,504 | 1,163 | 2,667 | 1,678 | 1,439 | 3,117 | 1,850 | 1,551 | 3,401 |
| CCA-COR | 8,109 | 332 | 8,441 | 9,527 | 272 | 9,799 | 10,238 | --- | 10,238 |
| CCA-CICP | --- | 647 | 647 | --- | 579 | 579 | --- | 762 | 762 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | 1,600 | 1,600 | --- | 1,806 | 1,806 | --- | 2,199 | 2,199 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | 9,203 | 9,203 | --- | 9,529 | 9,529 | --- | 10,050 | 10,050 |
| EI-ADM | --- | 9,203 | 9,203 | --- | 9,529 | 9,529 | --- | 10,050 | 10,050 |
| CEIC | --- | 5,800 | 5,800 | --- | 7,758 | 7,758 | --- | 8,371 | 8,371 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 157,106 | 5,574 | 162,680 | 195,452 | 4,742 | 200,194 | 270,935 | 4,812 | 275,747 |
| EMR-ENER | 59,026 | 1,465 | 60,491 | 88,120 | 1,900 | 90,020 | 149,053 | 2,070 | 151,123 |
| EMR-MES | 98,080 | 4,109 | 102,189 | 107,332 | 2,842 | 110,174 | 121,882 | 2,742 | 124,624 |
| AECB | 575 | --- | 575 | 768 | --- | 768 | 851 | --- | 851 |
| AECI | 88,946 | --- | 88,946 | 98,555 | --- | 98,555 | 111,516 | --- | 111,516 |
| NEB | 1,336 | 445 | 1,781 | 1,425 | 465 | 1,890 | 1,571 | 518 | 2,089 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 205,683 | 14,397 | 220,080 | 233,549 | 15,547 | 249,096 | 269,213 | 17,576 | 286,789 |
| ENV-ADM | 1,315 | 192 | 1,507 | 1,579 | 261 | 1,840 | 1,621 | 308 | 1,929 |
| ENV-ES | 202,943 | 4,164 | 207,107 | 230,404 | 4,240 | 234,644 | 265,869 | 5,118 | 270,987 |
| ENV-EPS | 7,075 | --- | 7,075 | 8,134 | --- | 8,134 | 8,170 | --- | 8,170 |
| ENV-AES | 102,837 | --- | 102,837 | 117,703 | --- | 117,703 | 133,936 | --- | 133,936 |
| ENV-ECS | 53,245 | 4,164 | 57,409 | 54,242 | 4,240 | 58,482 | 65,470 | 5,118 | 70,588 |
| ENV-FOR | 39,786 | --- | 39,786 | 50,325 | --- | 50,325 | 58,293 | --- | 58,293 |
| ENV-PC | 1,425 | 10,041 | 11,466 | 1,566 | 11,046 | 12,612 | 1,723 | 12,150 | 13,873 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| EA-CIA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| CIDA | 32,187 | 5,258 | 37,445 | 32,753 | 4,364 | 37,117 | 36,663 | 4,873 | 41,536 |
| IDRC | 18,597 | 17,882 | 36,479 | 20,813 | 18,221 | 39,034 | 24,407 | 21,043 | 45,450 |
| FINANCE | | | | | | | | | |
| FIN | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FIN-FEP | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 109,315 | 3,350 | 112,665 | 112,903 | 3,500 | 116,403 | 116,405 | 3,430 | 119,835 |
| F&O-FM | 109,315 | 3,350 | 112,665 | 112,903 | 3,500 | 116,403 | 116,405 | 3,430 | 119,835 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 2,347 | 3,669 | 6,016 | 2,587 | 3,919 | 6,506 | 2,640 | 4,390 | 7,030 |
| IAND-IIA | --- | 1,688 | 1,688 | --- | 1,705 | 1,705 | --- | 1,812 | 1,812 |
| IAND-NA | 2,347 | 1,981 | 4,328 | 2,587 | 2,214 | 4,801 | 2,640 | 2,578 | 5,218 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 82,184 | 1,277 | 83,461 | 97,808 | 2,106 | 99,914 | 123,727 | 3,325 | 127,052 |
| ITC-TI | 80,392 | 932 | 81,324 | 96,868 | 1,761 | 98,629 | 123,197 | 2,946 | 126,143 |
| ITC-TOUR | --- | 345 | 345 | --- | 345 | 345 | --- | 379 | 379 |
| ITC-GO | 1,792 | --- | 1,792 | 940 | --- | 940 | 530 | --- | 530 |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|
| | NATURAL | HUMAN | TOTAL | NATURAL | HUMAN | TOTAL | NATURAL | HUMAN | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | --- | 4,168 | 4,168 | --- | 4,794 | 4,794 | --- | 6,315 | 6,315 |
| JUST-ADM | --- | 2,839 | 2,839 | --- | 3,242 | 3,242 | --- | 4,215 | 4,215 |
| JUST-CUIO | --- | 1,329 | 1,329 | --- | 1,552 | 1,552 | --- | 2,100 | 2,100 |
| CHRC | --- | 202 | 202 | --- | 230 | 230 | --- | 255 | 255 |
| LRC | --- | 2,328 | 2,328 | --- | 2,622 | 2,622 | --- | 3,302 | 3,302 |
| LABOUR | | | | | | | | | |
| LAB | --- | 3,225 | 3,225 | --- | 3,813 | 3,813 | --- | 4,191 | 4,191 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 85,508 | 1,627 | 87,135 | 96,696 | 1,796 | 98,492 | 108,249 | 1,984 | 110,233 |
| NDEF-SER | 85,508 | 1,627 | 87,135 | 96,696 | 1,796 | 98,492 | 108,249 | 1,984 | 110,233 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 42,608 | 15,392 | 58,000 | 49,788 | 16,447 | 66,235 | 56,392 | 17,683 | 74,075 |
| NHW-ADM | --- | 5,287 | 5,287 | --- | 6,440 | 6,440 | --- | 7,270 | 7,270 |
| NHW-HSS | 6,904 | 9,618 | 16,522 | 8,735 | 9,476 | 18,211 | 7,891 | 9,883 | 17,774 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 35,569 | --- | 35,569 | 39,613 | --- | 39,613 | 46,880 | --- | 46,880 |
| NHW-IS | --- | 487 | 487 | --- | 531 | 531 | --- | 530 | 530 |
| MRC | 70,057 | --- | 70,057 | 82,031 | --- | 82,031 | 88,590 | --- | 88,590 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | --- | 4,168 | 4,168 | --- | 5,257 | 5,257 | --- | 6,132 | 6,132 |
| NREV-TAX | --- | 4,168 | 4,168 | --- | 5,257 | 5,257 | --- | 6,132 | 6,132 |
| POST OFFICE | | | | | | | | | |
| PO | --- | 632 | 632 | --- | 558 | 558 | --- | 1,147 | 1,147 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | --- | 1,802 | 1,802 | --- | 549 | 549 | --- | 549 | 549 |
| COL | --- | 859 | 859 | --- | 975 | 975 | --- | 1,172 | 1,172 |
| ECC | --- | 8,841 | 8,841 | --- | 8,030 | 8,030 | --- | 7,392 | 7,392 |
| PUBLIC WORKS | | | | | | | | | |
| PW | 5,747 | --- | 5,747 | 8,310 | --- | 8,310 | 7,657 | --- | 7,657 |
| PW-PTS | 5,747 | --- | 5,747 | 8,310 | --- | 8,310 | 7,657 | --- | 7,657 |
| CMHC | 2,995 | 7,987 | 10,982 | 3,769 | 8,132 | 11,901 | 4,146 | 9,312 | 13,458 |
| MCC | --- | 1,133 | 1,133 | --- | 1,091 | 1,091 | --- | 1,913 | 1,913 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 1,589 | 1,428 | 3,017 | 3,021 | 1,645 | 4,666 | 6,427 | 2,406 | 8,833 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | 5,692 | 5,692 | --- | 6,543 | 6,543 | --- | 9,699 | 9,699 |
| MRC | 201,409 | --- | 201,409 | 237,391 | --- | 237,391 | 274,148 | --- | 274,148 |
| MRC-SIR | 187,841 | --- | 187,841 | 221,184 | --- | 221,184 | 254,922 | --- | 254,922 |
| MRC-STI | 13,568 | --- | 13,568 | 16,207 | --- | 16,207 | 19,226 | --- | 19,226 |
| NSERC | 121,048 | --- | 121,048 | 163,204 | --- | 163,204 | 182,016 | --- | 182,016 |
| SC | --- | 2,481 | 2,481 | --- | 3,005 | 3,005 | --- | 3,542 | 3,542 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | --- | 7,785 | 7,785 | --- | 9,193 | 9,193 | --- | 9,431 | 9,431 |
| SECS-OL | --- | 317 | 317 | --- | 853 | 853 | --- | 816 | 816 |
| SECS-ES | --- | 129 | 129 | --- | 155 | 155 | --- | 177 | 177 |
| SECS-TRA | --- | 4,849 | 4,849 | --- | 5,225 | 5,225 | --- | 5,333 | 5,333 |
| SECS-CIT | --- | 2,490 | 2,490 | --- | 2,960 | 2,960 | --- | 3,105 | 3,105 |
| PSC | --- | 212 | 212 | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | --- | 2,485 | 2,485 | --- | 2,691 | 2,691 | --- | 2,752 | 2,752 |
| SGEN-ADM | --- | 2,485 | 2,485 | --- | 2,691 | 2,691 | --- | 2,752 | 2,752 |
| PCMP | 31 | --- | 31 | 130 | --- | 130 | 392 | --- | 392 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 14,053 | 863 | 14,916 | 14,077 | 898 | 14,975 | 14,203 | 907 | 15,110 |
| SS-SUPP | 14,053 | 863 | 14,916 | 14,077 | 898 | 14,975 | 14,203 | 907 | 15,110 |
| STCAN | --- | 122,156 | 122,156 | --- | 148,271 | 148,271 | --- | 229,953 | 229,953 |
| TRANSPORT | | | | | | | | | |
| TPT | 27,133 | 541 | 27,674 | 27,828 | 1,410 | 29,238 | 28,571 | 1,390 | 29,961 |
| TPT-ADM | 7,974 | 210 | 8,184 | 9,176 | 235 | 9,411 | 11,439 | 235 | 11,674 |
| TPT-MAR | 9,930 | --- | 9,930 | 10,956 | --- | 10,956 | 11,192 | --- | 11,192 |
| TPT-AIR | 5,655 | 229 | 5,884 | 7,222 | 1,105 | 8,327 | 5,884 | 1,085 | 6,969 |
| TPT-SUR | 3,574 | 102 | 3,676 | 474 | 70 | 544 | 56 | 70 | 126 |
| CTC | --- | 2,718 | 2,718 | --- | 2,456 | 2,456 | --- | 2,745 | 2,745 |
| TREASURY BOARD | | | | | | | | | |
| TB | --- | 10,046 | 10,046 | --- | 11,786 | 11,786 | --- | 12,927 | 12,927 |
| TB-ADM | --- | 10,046 | 10,046 | --- | 11,786 | 11,786 | --- | 12,927 | 12,927 |
| TOTAL | 1,494,534 | 397,265 | 1,891,799 | 1,732,419 | 446,892 | 2,179,311 | 1,980,722 | 567,398 | 2,548,120 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 2

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY PERFORMER, 1979-1982

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|-----------|---------|-----------|---------|-----------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 1,202,208 | (63.5) | 1,351,500 | (62.0) | 1,601,696 | (62.9) |
| INDUSTRY | 273,395 | (14.5) | 327,916 | (15.0) | 380,363 | (14.9) |
| UNIVERSITIES | 256,061 | (13.5) | 319,772 | (14.7) | 351,237 | (13.8) |
| NON-PROFIT INSTITUTIONS | 25,732 | (1.4) | 26,211 | (1.2) | 28,412 | (1.1) |
| PROVINCIAL & MUNICIPAL | 68,798 | (3.6) | 84,149 | (3.9) | 111,674 | (4.4) |
| FOREIGN | 49,471 | (2.6) | 53,507 | (2.5) | 59,214 | (2.3) |
| OTHER CANADIAN | 16,134 | (0.9) | 16,256 | (0.7) | 15,524 | (0.6) |
| TOTAL | 1,891,799 | (100.0) | 2,179,311 | (100.0) | 2,548,120 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 3

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
TOTAL ALL COMPONENTS

FISCAL YEAR 1979-80

(\$ THOUSANDS)

| | INTRAMRL | CANADIAN INDUSTRY | CANADIAN UNIVERSITY | CANADIAN N-P INST | PROV. MUN. GOVERNMENTS | FOREIGN PERFORMERS | OTHER PERFORMERS | TOTAL |
|---------------------------|-----------|----------------------|------------------------|----------------------|---------------------------|-----------------------|---------------------|-----------|
| IN-HOUSE R&D | 496,762 | 0 | 0 | 0 | 0 | 0 | 0 | 496,762 |
| R&D CONTRACTS | 2,154 | 102,111 | 14,621 | 4,292 | 681 | 2,089 | 4,907 | 130,855 |
| SUPPORTING CONTRACTS | 19,407 | 0 | 0 | 0 | 0 | 0 | 0 | 19,407 |
| R&D GRANTS | 0 | 114,430 | 203,543 | 12,650 | 55,377 | 35,246 | 1,336 | 422,582 |
| RESEARCH FELLOWSHIPS | 1,150 | 1,493 | 9,296 | 44 | 0 | 4,498 | 271 | 16,752 |
| ADMIN. EXTRAMURAL R&D | 29,821 | 0 | 0 | 0 | 0 | 0 | 0 | 29,821 |
| CAPITAL - R&D | 74,807 | 0 | 0 | 0 | 0 | 0 | 0 | 74,807 |
| SUB TOTAL R&D | 624,101 | 218,034 | 227,460 | 16,986 | 56,058 | 41,833 | 6,514 | 1,190,986 |
| DATA COLLECTION | 302,246 | 13,731 | 2,759 | 998 | 3,981 | 27 | 2,443 | 326,185 |
| INFORMATION SERVICES | 102,830 | 11,449 | 1,998 | 4,782 | 2,329 | 2,124 | 1,614 | 117,126 |
| ECONOMIC & FEAS. STUDIES | 17,731 | 2,537 | 194 | 752 | 14 | 204 | 140 | 21,572 |
| OPERN' S & POLICY STUDIES | 45,170 | 2,755 | 374 | 713 | 0 | 7 | 556 | 49,575 |
| TESTING & STANDARDIZATION | 26,677 | 540 | 620 | 11 | 0 | 70 | 112 | 28,030 |
| FEASIBILITY STUDIES | 2,216 | 33,403 | 527 | 186 | 46 | 104 | 64 | 36,546 |
| EDUCATION SUPPORT | 998 | 501 | 21,576 | 328 | 0 | 5,102 | 3,436 | 31,941 |
| MUSEUM SERVICES | 39,181 | 445 | 553 | 976 | 6,370 | 0 | 1,255 | 48,780 |
| ADMIN. EXTRAMURAL RSA | 9,870 | 0 | 0 | 0 | 0 | 0 | 0 | 9,870 |
| CAPITAL - RSA | 31,188 | 0 | 0 | 0 | 0 | 0 | 0 | 31,188 |
| SUB TOTAL RSA | 578,107 | 55,361 | 28,601 | 8,746 | 12,740 | 7,638 | 9,620 | 700,813 |
| TOTAL | 1,202,208 | 273,395 | 256,061 | 25,732 | 68,798 | 49,471 | 16,134 | 1,891,799 |

FISCAL YEAR 1980-81

(\$ THOUSANDS)

| | INTRAMRL | CANADIAN INDUSTRY | CANADIAN UNIVERSITY | CANADIAN N-P INST | PROV. MUN. GOVERNMENTS | FOREIGN PERFORMERS | OTHER PERFORMERS | TOTAL |
|---------------------------|-----------|----------------------|------------------------|----------------------|---------------------------|-----------------------|---------------------|-----------|
| IN-HOUSE R&D | 557,312 | 0 | 0 | 0 | 0 | 0 | 0 | 557,312 |
| R&D CONTRACTS | 2,463 | 125,196 | 17,074 | 5,196 | 986 | 2,216 | 5,439 | 158,570 |
| SUPPORTING CONTRACTS | 25,786 | 0 | 0 | 0 | 0 | 0 | 0 | 25,786 |
| R&D GRANTS | 0 | 136,614 | 254,444 | 11,918 | 69,344 | 37,179 | 1,644 | 511,143 |
| RESEARCH FELLOWSHIPS | 1,294 | 2,346 | 12,628 | 16 | 0 | 5,012 | 247 | 21,543 |
| ADMIN. EXTRAMURAL R&D | 36,710 | 0 | 0 | 0 | 0 | 0 | 0 | 36,710 |
| CAPITAL - R&D | 80,402 | 0 | 0 | 0 | 0 | 0 | 0 | 80,402 |
| SUB TOTAL R&D | 703,967 | 264,156 | 284,146 | 17,130 | 70,330 | 44,407 | 7,330 | 1,391,466 |
| DATA COLLECTION | 343,686 | 16,051 | 2,471 | 1,346 | 4,346 | 23 | 2,464 | 370,397 |
| INFORMATION SERVICES | 111,406 | 2,115 | 2,797 | 4,373 | 3,840 | 2,267 | 1,733 | 128,619 |
| ECONOMIC & FEAS. STUDIES | 27,850 | 2,655 | 412 | 906 | 0 | 325 | 198 | 32,346 |
| OPERN' S & POLICY STUDIES | 44,285 | 4,127 | 360 | 875 | 0 | 42 | 400 | 50,169 |
| TESTING & STANDARDIZATION | 27,193 | 1,177 | 570 | 71 | 0 | 110 | 89 | 29,210 |
| FEASIBILITY STUDIES | 2,588 | 36,009 | 271 | 260 | 0 | 479 | 421 | 40,100 |
| EDUCATION SUPPORT | 1,171 | 880 | 28,048 | 75 | 10 | 5,854 | 2,443 | 38,481 |
| MUSEUM SERVICES | 43,582 | 666 | 697 | 1,175 | 5,615 | 0 | 1,098 | 52,833 |
| ADMIN. EXTRAMURAL RSA | 11,479 | 0 | 0 | 0 | 0 | 0 | 0 | 11,479 |
| CAPITAL - RSA | 34,213 | 0 | 0 | 0 | 0 | 0 | 0 | 34,213 |
| SUB TOTAL RSA | 647,533 | 63,760 | 35,626 | 9,081 | 13,819 | 9,100 | 8,926 | 787,845 |
| TOTAL | 1,351,500 | 327,916 | 319,772 | 26,211 | 84,149 | 53,507 | 16,256 | 2,179,311 |

FISCAL YEAR 1981-82

(\$ THOUSANDS)

| | INTRAMRL | CANADIAN INDUSTRY | CANADIAN UNIVERSITY | CANADIAN N-P INST | PROV. MUN. GOVERNMENTS | FOREIGN PERFORMERS | OTHER PERFORMERS | TOTAL |
|---------------------------|-----------|----------------------|------------------------|----------------------|---------------------------|-----------------------|---------------------|-----------|
| IN-HOUSE R&D | 651,983 | 0 | 0 | 0 | 0 | 0 | 0 | 651,983 |
| R&D CONTRACTS | 2,149 | 143,027 | 18,023 | 5,673 | 1,651 | 2,307 | 5,991 | 178,821 |
| SUPPORTING CONTRACTS | 29,354 | 0 | 0 | 0 | 0 | 0 | 0 | 29,354 |
| R&D GRANTS | 0 | 162,618 | 272,079 | 13,173 | 91,202 | 39,481 | 1,616 | 580,169 |
| RESEARCH FELLOWSHIPS | 1,500 | 2,732 | 18,179 | 0 | 0 | 5,445 | 242 | 28,098 |
| ADMIN. EXTRAMURAL R&D | 41,573 | 0 | 0 | 0 | 0 | 0 | 0 | 41,573 |
| CAPITAL - R&D | 92,146 | 0 | 0 | 0 | 0 | 0 | 0 | 92,146 |
| SUB TOTAL R&D | 818,705 | 308,377 | 308,281 | 18,846 | 92,853 | 47,233 | 7,849 | 1,602,144 |
| DATA COLLECTION | 435,075 | 17,494 | 2,719 | 1,198 | 4,720 | 26 | 3,869 | 464,301 |
| INFORMATION SERVICES | 135,453 | 2,398 | 3,359 | 4,551 | 8,104 | 4,137 | 1,613 | 159,615 |
| ECONOMIC & FEAS. STUDIES | 28,388 | 3,666 | 607 | 1,584 | 0 | 312 | 205 | 34,682 |
| OPERN' S & POLICY STUDIES | 58,577 | 4,347 | 527 | 695 | 0 | 41 | 649 | 64,836 |
| TESTING & STANDARDIZATION | 29,968 | 1,470 | 792 | 76 | 0 | 115 | 10 | 32,431 |
| FEASIBILITY STUDIES | 3,456 | 41,094 | 353 | 200 | 50 | 471 | 430 | 46,134 |
| EDUCATION SUPPORT | 1,238 | 23 | 33,663 | 55 | 74 | 6,879 | 533 | 43,465 |
| MUSEUM SERVICES | 43,389 | 694 | 736 | 1,207 | 5,873 | 0 | 1,166 | 52,985 |
| ADMIN. EXTRAMURAL RSA | 13,257 | 0 | 0 | 0 | 0 | 0 | 0 | 13,257 |
| CAPITAL - RSA | 34,270 | 0 | 0 | 0 | 0 | 0 | 0 | 34,270 |
| SUB TOTAL RSA | 782,991 | 71,986 | 42,956 | 9,566 | 18,021 | 11,981 | 7,675 | 945,976 |
| TOTAL | 1,601,696 | 380,363 | 351,237 | 28,412 | 111,674 | 59,214 | 15,524 | 2,548,120 |

TABLE 4

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 134,041 | 9,900 | 143,941 | 143,536 | 9,346 | 152,882 | 161,515 | 8,630 | 170,145 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | 3,625 | 3,625 | --- | 3,819 | 3,819 | --- | 4,312 | 4,312 |
| AGR-RI | 128,019 | 4,776 | 132,795 | 136,360 | 3,837 | 140,197 | 152,306 | 2,456 | 154,762 |
| AGR-CGC | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| CDC | 1,403 | 1,911 | 3,314 | 1,503 | 2,290 | 3,793 | 1,653 | 2,862 | 4,515 |
| CLFB | 62 | 17 | 79 | 96 | 23 | 119 | 110 | 26 | 136 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 54,974 | 4,234 | 59,208 | 66,325 | 5,251 | 71,576 | 51,951 | 5,593 | 57,544 |
| COMM-COMM | 54,974 | 3,652 | 58,626 | 66,325 | 4,588 | 70,913 | 51,951 | 4,834 | 56,785 |
| COMM-AC | --- | 582 | 582 | --- | 663 | 663 | --- | 759 | 759 |
| CBC | --- | 3,348 | 3,348 | --- | 3,654 | 3,654 | --- | 3,974 | 3,974 |
| CRTC | 542 | --- | 542 | 776 | --- | 776 | 679 | --- | 679 |
| NFB | 298 | 201 | 499 | 412 | 224 | 636 | 456 | 242 | 698 |
| NLIB | --- | 14,730 | 14,730 | --- | 17,179 | 17,179 | --- | 21,572 | 21,572 |
| NMUS | 2,837 | 47,225 | 50,062 | 2,891 | 50,447 | 53,338 | 5,759 | 50,371 | 56,130 |
| PA | --- | 9,320 | 9,320 | --- | 9,900 | 9,900 | --- | 12,009 | 12,009 |
| SSHRC | 21,293 | 15,288 | 36,581 | 24,857 | 17,784 | 42,641 | 27,033 | 18,568 | 45,601 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 1,822 | 10,366 | 12,188 | 2,067 | 11,917 | 13,984 | 1,893 | 13,157 | 15,050 |
| CCA-ADM | --- | 433 | 433 | --- | 489 | 489 | --- | 649 | 649 |
| CCA-CON | 1,163 | 1,504 | 2,667 | 1,439 | 1,678 | 3,117 | 1,551 | 1,850 | 3,401 |
| CCA-COR | 332 | 8,109 | 8,441 | 272 | 9,527 | 9,799 | --- | 10,238 | 10,238 |
| CCA-CICP | 327 | 320 | 647 | 356 | 223 | 579 | 342 | 420 | 762 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | 1,600 | 1,600 | --- | 1,806 | 1,806 | --- | 2,199 | 2,199 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 1,292 | 7,911 | 9,203 | 1,528 | 8,001 | 9,529 | 1,571 | 8,479 | 10,050 |
| EI-ADM | 1,292 | 7,911 | 9,203 | 1,528 | 8,001 | 9,529 | 1,571 | 8,479 | 10,050 |
| CEIC | --- | 5,800 | 5,800 | --- | 7,758 | 7,758 | --- | 8,371 | 8,371 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 124,897 | 37,783 | 162,680 | 162,342 | 37,852 | 200,194 | 230,587 | 45,160 | 275,747 |
| EMR-ENER | 58,639 | 1,852 | 60,491 | 87,652 | 2,368 | 90,020 | 147,487 | 3,636 | 151,123 |
| EMR-MES | 66,258 | 35,931 | 102,189 | 74,690 | 35,484 | 110,174 | 83,100 | 41,524 | 124,624 |
| AECB | 575 | --- | 575 | 768 | --- | 768 | 851 | --- | 851 |
| AECI | 75,410 | 13,536 | 88,946 | 83,084 | 15,471 | 98,555 | 93,267 | 18,249 | 111,516 |
| NEB | --- | 1,781 | 1,781 | --- | 1,890 | 1,890 | --- | 2,089 | 2,089 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 70,583 | 149,497 | 220,080 | 81,793 | 167,303 | 249,096 | 95,149 | 191,640 | 286,789 |
| ENV-ADM | 417 | 1,090 | 1,507 | 399 | 1,441 | 1,840 | 432 | 1,497 | 1,929 |
| ENV-ES | 69,743 | 137,364 | 207,107 | 80,928 | 153,716 | 234,644 | 94,206 | 176,781 | 270,987 |
| ENV-EPS | 4,316 | 2,759 | 7,075 | 5,163 | 2,971 | 8,134 | 5,348 | 2,822 | 8,170 |
| ENV-AES | 11,657 | 91,180 | 102,837 | 12,114 | 105,589 | 117,703 | 13,876 | 120,060 | 133,936 |
| ENV-ECS | 17,650 | 39,759 | 57,409 | 17,826 | 40,656 | 58,482 | 21,277 | 49,311 | 70,588 |
| ENV-FOR | 36,120 | 3,666 | 39,786 | 45,825 | 4,500 | 50,325 | 53,705 | 4,588 | 58,293 |
| ENV-PC | 423 | 11,043 | 11,466 | 466 | 12,146 | 12,612 | 511 | 13,362 | 13,873 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| EA-CIA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| CIDA | 10,960 | 26,485 | 37,445 | 10,080 | 27,037 | 37,117 | 11,245 | 30,291 | 41,536 |
| IDRC | 30,511 | 5,968 | 36,479 | 31,426 | 7,608 | 39,034 | 36,751 | 8,699 | 45,450 |
| FINANCE | | | | | | | | | |
| FIN | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FIN-FEP | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 55,301 | 57,364 | 112,665 | 57,509 | 58,894 | 116,403 | 64,059 | 55,776 | 119,835 |
| F&O-FM | 55,301 | 57,364 | 112,665 | 57,509 | 58,894 | 116,403 | 64,059 | 55,776 | 119,835 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 2,857 | 3,159 | 6,016 | 3,149 | 3,357 | 6,506 | 3,176 | 3,854 | 7,030 |
| IAND-IIA | 260 | 1,428 | 1,688 | 267 | 1,438 | 1,705 | 286 | 1,526 | 1,812 |
| IAND-NA | 2,597 | 1,731 | 4,328 | 2,882 | 1,919 | 4,801 | 2,890 | 2,328 | 5,218 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 82,751 | 710 | 83,461 | 98,877 | 1,037 | 99,914 | 126,008 | 1,044 | 127,052 |
| ITC-TI | 80,712 | 612 | 81,324 | 97,690 | 939 | 98,629 | 125,207 | 936 | 126,143 |
| ITC-TOUR | 247 | 98 | 345 | 247 | 98 | 345 | 271 | 108 | 379 |
| ITC-GO | 1,792 | --- | 1,792 | 940 | --- | 940 | 530 | --- | 530 |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | 2,126 | 2,042 | 4,168 | 2,381 | 2,413 | 4,794 | 3,208 | 3,107 | 6,315 |
| JUST-ADM | 2,126 | 713 | 2,839 | 2,381 | 861 | 3,242 | 3,208 | 1,007 | 4,215 |
| JUST-CUIO | --- | 1,329 | 1,329 | --- | 1,552 | 1,552 | --- | 2,100 | 2,100 |
| CHRC | --- | 202 | 202 | --- | 230 | 230 | --- | 255 | 255 |
| LRC | 1,729 | 599 | 2,328 | 1,777 | 845 | 2,622 | 2,166 | 1,136 | 3,302 |
| LABOUR | | | | | | | | | |
| LAB | 468 | 2,757 | 3,225 | 603 | 3,210 | 3,813 | 662 | 3,529 | 4,191 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 85,374 | 1,761 | 87,135 | 96,591 | 1,901 | 98,492 | 108,146 | 2,087 | 110,233 |
| NDEF-SER | 85,374 | 1,761 | 87,135 | 96,591 | 1,901 | 98,492 | 108,146 | 2,087 | 110,233 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 22,244 | 35,756 | 58,000 | 28,347 | 37,888 | 66,235 | 31,040 | 43,035 | 74,075 |
| NHW-ADM | 1,410 | 3,877 | 5,287 | 1,635 | 4,805 | 6,440 | 1,660 | 5,610 | 7,270 |
| NHW-HSS | 12,445 | 4,077 | 16,522 | 13,716 | 4,495 | 18,211 | 13,368 | 4,406 | 17,774 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 8,254 | 27,315 | 35,569 | 11,556 | 28,057 | 39,613 | 14,391 | 32,489 | 46,880 |
| NHW-IS | --- | 487 | 487 | --- | 531 | 531 | --- | 530 | 530 |
| MRC | 67,835 | 2,222 | 70,057 | 79,467 | 2,564 | 82,031 | 85,785 | 2,805 | 88,590 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| NREV-TAX | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| POST OFFICE | | | | | | | | | |
| PO | 243 | 389 | 632 | 258 | 300 | 558 | 573 | 574 | 1,147 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | 1,796 | 6 | 1,802 | 549 | --- | 549 | 549 | --- | 549 |
| COL | --- | 859 | 859 | --- | 975 | 975 | --- | 1,172 | 1,172 |
| ECC | 7,325 | 1,516 | 8,841 | 7,019 | 1,011 | 8,030 | 6,440 | 952 | 7,392 |
| PUBLIC WORKS | | | | | | | | | |
| PW | 3,551 | 2,196 | 5,747 | 4,260 | 4,050 | 8,310 | 1,408 | 6,249 | 7,657 |
| PW-PTS | 3,551 | 2,196 | 5,747 | 4,260 | 4,050 | 8,310 | 1,408 | 6,249 | 7,657 |
| CMHC | 4,430 | 6,552 | 10,982 | 4,280 | 7,621 | 11,901 | 4,708 | 8,750 | 13,458 |
| NCC | 638 | 495 | 1,133 | 661 | 430 | 1,091 | 1,331 | 582 | 1,913 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 790 | 2,227 | 3,017 | 800 | 3,866 | 4,666 | 972 | 7,861 | 8,833 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | 5,692 | 5,692 | --- | 6,543 | 6,543 | --- | 9,699 | 9,699 |
| NRC | 170,607 | 30,802 | 201,409 | 201,107 | 36,284 | 237,391 | 232,072 | 42,076 | 274,148 |
| NRC-SIR | 170,607 | 17,234 | 187,841 | 201,107 | 20,077 | 221,184 | 232,072 | 22,850 | 254,922 |
| NRC-STI | --- | 13,568 | 13,568 | --- | 16,207 | 16,207 | --- | 19,226 | 19,226 |
| NSERC | 110,300 | 10,748 | 121,048 | 147,028 | 16,176 | 163,204 | 159,908 | 22,108 | 182,016 |
| SC | 1,245 | 1,236 | 2,481 | 1,494 | 1,511 | 3,005 | 1,830 | 1,712 | 3,542 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 4,995 | 2,790 | 7,785 | 5,831 | 3,362 | 9,193 | 5,899 | 3,532 | 9,431 |
| SECS-OL | 246 | 71 | 317 | 480 | 373 | 853 | 509 | 307 | 816 |
| SECS-ES | --- | 129 | 129 | --- | 155 | 155 | --- | 177 | 177 |
| SECS-TRA | 2,660 | 2,189 | 4,849 | 2,854 | 2,371 | 5,225 | 3,107 | 2,226 | 5,333 |
| SECS-CIT | 2,089 | 401 | 2,490 | 2,497 | 463 | 2,960 | 2,283 | 822 | 3,105 |
| FSO | 212 | --- | 212 | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 1,771 | 714 | 2,485 | 1,725 | 966 | 2,691 | 1,957 | 795 | 2,752 |
| SGEN-ADM | 1,771 | 714 | 2,485 | 1,725 | 966 | 2,691 | 1,957 | 795 | 2,752 |
| ECMP | 31 | --- | 31 | 130 | --- | 130 | 342 | 50 | 392 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 12,146 | 2,770 | 14,916 | 12,166 | 2,809 | 14,975 | 12,417 | 2,693 | 15,110 |
| SS-SUPP | 12,146 | 2,770 | 14,916 | 12,166 | 2,809 | 14,975 | 12,417 | 2,693 | 15,110 |
| ETCAN | 3,499 | 118,657 | 122,156 | 4,284 | 143,987 | 148,271 | 6,463 | 223,490 | 229,953 |
| TRANSPORT | | | | | | | | | |
| TPT | 13,861 | 13,813 | 27,674 | 16,583 | 12,655 | 29,238 | 19,416 | 10,545 | 29,961 |
| TPT-ADM | 6,998 | 1,186 | 8,184 | 8,093 | 1,318 | 9,411 | 10,411 | 1,263 | 11,674 |
| TPT-MAR | 3,518 | 6,412 | 9,930 | 5,363 | 5,593 | 10,956 | 5,838 | 5,354 | 11,192 |
| TPT-AIR | 3,188 | 2,696 | 5,884 | 3,002 | 5,325 | 8,327 | 3,042 | 3,927 | 6,969 |
| TPT-SUR | 157 | 3,519 | 3,676 | 125 | 419 | 544 | 125 | 1 | 126 |
| CTC | 1,095 | 1,623 | 2,718 | 1,060 | 1,396 | 2,456 | 1,095 | 1,650 | 2,745 |
| TREASURY BOARD | | | | | | | | | |
| TB | 113 | 9,933 | 10,046 | 113 | 11,673 | 11,786 | 113 | 12,814 | 12,927 |
| TB-ADM | 113 | 9,933 | 10,046 | 113 | 11,673 | 11,786 | 113 | 12,814 | 12,927 |
| TOTAL | 1,190,986 | 700,813 | 1,891,799 | 1,391,466 | 787,845 | 2,179,311 | 1,602,144 | 945,976 | 2,548,120 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 5

NATURAL AND HUMAN SCIENCES

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|-----------------|-----------------|---------|-----------------|-----------------|---------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 133,805 | 10,136 | 143,941 | 141,737 | 11,145 | 152,882 | 161,393 | 8,752 | 170,145 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | 3,134 | 491 | 3,625 | 3,212 | 607 | 3,819 | 3,729 | 583 | 4,312 |
| AGR-RI | 123,153 | 9,642 | 132,795 | 129,663 | 10,534 | 140,197 | 146,596 | 8,166 | 154,762 |
| AGR-CGC | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| CDC | 2,832 | 482 | 3,314 | 3,189 | 604 | 3,793 | 3,512 | 1,003 | 4,515 |
| CLFB | 72 | 7 | 79 | 77 | 42 | 119 | 91 | 45 | 136 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 42,168 | 17,040 | 59,208 | 47,480 | 24,096 | 71,576 | 42,238 | 15,306 | 57,544 |
| COMM-COMM | 41,779 | 16,847 | 58,626 | 47,147 | 23,766 | 70,913 | 41,739 | 15,046 | 56,785 |
| COMM-AC | 389 | 193 | 582 | 333 | 330 | 663 | 499 | 260 | 759 |
| CBC | 1,597 | 1,751 | 3,348 | 1,647 | 2,007 | 3,654 | 1,753 | 2,221 | 3,974 |
| CRTC | 477 | 65 | 542 | 666 | 110 | 776 | 519 | 160 | 679 |
| NFB | 490 | 9 | 499 | 623 | 13 | 636 | 683 | 15 | 698 |
| NLIB | 14,712 | 18 | 14,730 | 17,156 | 23 | 17,179 | 21,536 | 30 | 21,572 |
| NMUS | 40,223 | 9,839 | 50,062 | 43,836 | 9,502 | 53,338 | 46,181 | 9,949 | 56,130 |
| PA | 9,320 | --- | 9,320 | 9,900 | --- | 9,900 | 12,000 | --- | 12,000 |
| SSHRC | 3,615 | 32,966 | 36,581 | 4,001 | 38,640 | 42,641 | 4,376 | 41,225 | 45,601 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 11,119 | 1,069 | 12,188 | 12,946 | 1,038 | 13,984 | 13,859 | 1,191 | 15,050 |
| CCA-ADM | 409 | 24 | 433 | 489 | --- | 489 | 584 | 65 | 649 |
| CCA-CON | 2,121 | 546 | 2,667 | 2,427 | 690 | 3,117 | 2,660 | 741 | 3,401 |
| CCA-COR | 8,230 | 211 | 8,441 | 9,639 | 160 | 9,799 | 10,238 | --- | 10,238 |
| CCA-CICP | 359 | 288 | 647 | 391 | 188 | 579 | 377 | 385 | 762 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | 1,400 | 200 | 1,600 | 1,656 | 150 | 1,806 | 2,049 | 150 | 2,199 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 8,372 | 831 | 9,203 | 8,638 | 891 | 9,529 | 9,161 | 889 | 10,050 |
| EI-ADM | 8,372 | 831 | 9,203 | 8,638 | 891 | 9,529 | 9,161 | 889 | 10,050 |
| CEIC | 4,280 | 1,520 | 5,800 | 4,573 | 3,185 | 7,758 | 4,995 | 3,376 | 8,371 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 89,294 | 73,386 | 162,680 | 99,921 | 100,273 | 200,194 | 146,074 | 129,673 | 275,747 |
| EMR-ENER | 2,210 | 58,281 | 60,491 | 5,859 | 84,161 | 90,020 | 38,599 | 112,524 | 151,123 |
| EMR-MES | 87,084 | 15,105 | 102,189 | 94,062 | 16,112 | 110,174 | 107,475 | 17,149 | 124,624 |
| AECB | 159 | 416 | 575 | 200 | 568 | 768 | 226 | 625 | 851 |
| AECI | 67,410 | 21,536 | 88,946 | 74,720 | 23,835 | 98,555 | 86,005 | 25,511 | 111,516 |
| NEB | 1,781 | --- | 1,781 | 1,890 | --- | 1,890 | 2,089 | --- | 2,089 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 195,129 | 24,951 | 220,080 | 219,821 | 29,275 | 249,096 | 253,494 | 33,295 | 286,789 |
| ENV-ADM | 1,507 | --- | 1,507 | 1,840 | --- | 1,840 | 1,929 | --- | 1,929 |
| ENV-ES | 182,754 | 24,353 | 207,107 | 206,026 | 28,618 | 234,644 | 238,415 | 32,572 | 270,987 |
| ENV-EPS | 4,392 | 2,683 | 7,075 | 4,816 | 3,318 | 8,134 | 4,933 | 3,237 | 8,170 |
| ENV-AES | 99,050 | 3,787 | 102,837 | 113,534 | 4,169 | 117,703 | 129,130 | 4,806 | 133,936 |
| ENV-ECS | 51,204 | 6,205 | 57,409 | 52,133 | 6,349 | 58,482 | 62,925 | 7,663 | 70,588 |
| ENV-FOR | 28,108 | 11,678 | 39,786 | 35,543 | 14,782 | 50,325 | 41,427 | 16,866 | 58,293 |
| ENV-FC | 10,868 | 598 | 11,466 | 11,955 | 657 | 12,612 | 13,150 | 723 | 13,873 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | 3,618 | 1,410 | 5,028 | 3,900 | 1,612 | 5,512 | 4,414 | 1,762 | 6,176 |
| EA-CIA | 3,618 | 1,410 | 5,028 | 3,900 | 1,612 | 5,512 | 4,414 | 1,762 | 6,176 |
| CIDA | 1,964 | 35,481 | 37,445 | 2,073 | 35,044 | 37,117 | 2,378 | 39,158 | 41,536 |
| IDRC | 11,058 | 25,421 | 36,479 | 12,506 | 26,528 | 39,034 | 14,473 | 30,977 | 45,450 |
| FINANCE | | | | | | | | | |
| FIN | 8,114 | --- | 8,114 | 9,507 | --- | 9,507 | 11,001 | --- | 11,001 |
| FIN-FEP | 8,114 | --- | 8,114 | 9,507 | --- | 9,507 | 11,001 | --- | 11,001 |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 102,888 | 9,777 | 112,665 | 107,087 | 9,316 | 116,403 | 107,089 | 12,746 | 119,835 |
| F&O-FM | 102,888 | 9,777 | 112,665 | 107,087 | 9,316 | 116,403 | 107,089 | 12,746 | 119,835 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 3,073 | 2,943 | 6,016 | 3,417 | 3,089 | 6,506 | 3,662 | 3,368 | 7,030 |
| IAND-IIA | 100 | 1,588 | 1,688 | 105 | 1,600 | 1,705 | 112 | 1,700 | 1,812 |
| IAND-NA | 2,973 | 1,355 | 4,328 | 3,312 | 1,489 | 4,801 | 3,550 | 1,668 | 5,218 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 6,898 | 76,563 | 83,461 | 9,891 | 90,023 | 99,914 | 10,880 | 116,172 | 127,052 |
| ITC-TI | 6,637 | 74,687 | 81,324 | 9,652 | 88,977 | 98,629 | 10,617 | 115,526 | 126,143 |
| ITC-TOUR | 189 | 156 | 345 | 189 | 156 | 345 | 208 | 171 | 379 |
| ITC-GO | 72 | 1,720 | 1,792 | 50 | 890 | 940 | 55 | 475 | 530 |

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------------|-----------------|-----------|-----------------|-----------------|-----------|-----------------|-----------------|-----------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | 2,242 | 1,926 | 4,168 | 2,747 | 2,047 | 4,794 | 3,629 | 2,686 | 6,315 |
| JUST-ADM | 913 | 1,926 | 2,839 | 1,195 | 2,047 | 3,242 | 1,529 | 2,686 | 4,215 |
| JUST-CUIO | 1,329 | --- | 1,329 | 1,552 | --- | 1,552 | 2,100 | --- | 2,100 |
| CHRC | 202 | --- | 202 | 230 | --- | 230 | 255 | --- | 255 |
| LRC | 1,863 | 465 | 2,328 | 1,962 | 660 | 2,622 | 2,434 | 868 | 3,302 |
| LABOUR | | | | | | | | | |
| LAB | 3,015 | 210 | 3,225 | 3,446 | 367 | 3,813 | 3,790 | 401 | 4,191 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 60,246 | 26,889 | 87,135 | 64,909 | 33,583 | 98,492 | 70,521 | 39,712 | 110,233 |
| NDEF-SER | 60,246 | 26,889 | 87,135 | 64,909 | 33,583 | 98,492 | 70,521 | 39,712 | 110,233 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHN | 40,817 | 17,183 | 58,000 | 47,016 | 19,219 | 66,235 | 54,638 | 19,437 | 74,075 |
| NHW-ADM | 4,217 | 1,070 | 5,287 | 4,870 | 1,570 | 6,440 | 5,200 | 2,070 | 7,270 |
| NHW-HSS | 1,554 | 14,968 | 16,522 | 2,114 | 16,097 | 18,211 | 2,026 | 15,748 | 17,774 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 34,424 | 1,145 | 35,569 | 38,061 | 1,552 | 39,613 | 45,261 | 1,619 | 46,880 |
| NHW-IS | 487 | --- | 487 | 531 | --- | 531 | 530 | --- | 530 |
| MRC | 1,381 | 68,676 | 70,057 | 1,556 | 80,475 | 82,031 | 1,747 | 86,843 | 88,590 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | 4,168 | --- | 4,168 | 5,257 | --- | 5,257 | 6,132 | --- | 6,132 |
| NREV-TAX | 4,168 | --- | 4,168 | 5,257 | --- | 5,257 | 6,132 | --- | 6,132 |
| POST OFFICE | | | | | | | | | |
| PO | 566 | 66 | 632 | 484 | 74 | 558 | 797 | 350 | 1,147 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | 6 | 1,796 | 1,802 | --- | 549 | 549 | --- | 549 | 549 |
| COL | 859 | --- | 859 | 975 | --- | 975 | 1,172 | --- | 1,172 |
| ECC | 6,952 | 1,889 | 8,841 | 7,497 | 533 | 8,030 | 6,902 | 490 | 7,392 |
| PUBLIC WORKS | | | | | | | | | |
| PW | 3,077 | 2,670 | 5,747 | 3,944 | 4,366 | 8,310 | 5,511 | 2,146 | 7,657 |
| PW-PTS | 3,077 | 2,670 | 5,747 | 3,944 | 4,366 | 8,310 | 5,511 | 2,146 | 7,657 |
| CMHC | 6,386 | 4,596 | 10,982 | 7,620 | 4,281 | 11,901 | 8,382 | 5,076 | 13,458 |
| NCC | 1,133 | --- | 1,133 | 1,091 | --- | 1,091 | 1,913 | --- | 1,913 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 759 | 2,258 | 3,017 | 748 | 3,918 | 4,666 | 912 | 7,921 | 8,833 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | 5,156 | 536 | 5,692 | 5,973 | 570 | 6,543 | 7,410 | 2,289 | 9,699 |
| NRC | 138,353 | 63,056 | 201,409 | 163,522 | 73,869 | 237,391 | 187,614 | 86,534 | 274,148 |
| NRC-SIR | 124,785 | 63,056 | 187,841 | 147,315 | 73,869 | 221,184 | 168,454 | 86,468 | 254,922 |
| NRC-STI | 13,568 | --- | 13,568 | 16,207 | --- | 16,207 | 19,160 | 66 | 19,226 |
| NSERC | 2,273 | 118,775 | 121,048 | 3,697 | 159,507 | 163,204 | 4,312 | 177,704 | 182,016 |
| SC | 2,113 | 368 | 2,481 | 2,545 | 460 | 3,005 | 2,934 | 608 | 3,542 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 4,317 | 3,468 | 7,785 | 4,758 | 4,435 | 9,193 | 4,888 | 4,543 | 9,431 |
| SECS-OL | 36 | 281 | 317 | 71 | 782 | 853 | 91 | 725 | 816 |
| SECS-ES | 129 | --- | 129 | 155 | --- | 155 | 177 | --- | 177 |
| SECS-TRA | 4,083 | 766 | 4,849 | 4,459 | 766 | 5,225 | 4,543 | 790 | 5,333 |
| SECS-CIT | 69 | 2,421 | 2,490 | 73 | 2,887 | 2,960 | 77 | 3,028 | 3,105 |
| PSC | 212 | --- | 212 | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 873 | 1,612 | 2,485 | 1,114 | 1,577 | 2,691 | 870 | 1,882 | 2,752 |
| SGEN-ADM | 873 | 1,612 | 2,485 | 1,114 | 1,577 | 2,691 | 870 | 1,882 | 2,752 |
| RCMT | --- | 31 | 31 | --- | 130 | 130 | 264 | 128 | 392 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 91 | 14,825 | 14,916 | 100 | 14,875 | 14,975 | 110 | 15,000 | 15,110 |
| SS-SUPP | 91 | 14,825 | 14,916 | 100 | 14,875 | 14,975 | 110 | 15,000 | 15,110 |
| STCAN | 122,125 | 31 | 122,156 | 148,240 | 31 | 148,271 | 229,919 | 34 | 229,953 |
| TRANSPORT | | | | | | | | | |
| TPT | 17,820 | 9,854 | 27,674 | 18,587 | 10,651 | 29,238 | 16,937 | 13,024 | 29,961 |
| TPT-ADM | 803 | 7,381 | 8,184 | 1,512 | 7,899 | 9,411 | 1,350 | 10,324 | 11,674 |
| TPT-MAR | 9,930 | --- | 9,930 | 10,956 | --- | 10,956 | 11,142 | 50 | 11,192 |
| TPT-AIR | 3,461 | 2,423 | 5,884 | 5,625 | 2,702 | 8,327 | 4,369 | 2,600 | 6,969 |
| TPT-SUR | 3,626 | 50 | 3,676 | 494 | 50 | 544 | 76 | 50 | 126 |
| CTC | 2,234 | 484 | 2,718 | 1,940 | 516 | 2,456 | 2,261 | 484 | 2,745 |
| TREASURY BOARD | | | | | | | | | |
| TB | 9,933 | 113 | 10,046 | 11,673 | 113 | 11,786 | 12,814 | 113 | 12,927 |
| TB-ADM | 9,933 | 113 | 10,046 | 11,673 | 113 | 11,786 | 12,814 | 113 | 12,927 |
| TOTAL | 1,202,208 | 689,591 | 1,891,799 | 1,351,500 | 827,811 | 2,179,311 | 1,601,696 | 946,424 | 2,548,120 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 6

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

INTRAMURAL, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 127,324 | 6,481 | 133,805 | 134,930 | 6,807 | 141,737 | 153,393 | 8,000 | 161,393 |
| AGR-DEV | --- | 3,134 | 3,134 | --- | 3,212 | 3,212 | --- | 3,729 | 3,729 |
| AGR-RI | 121,302 | 1,851 | 123,153 | 127,754 | 1,909 | 129,663 | 144,184 | 2,412 | 146,596 |
| AGR-CGC | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| CDC | 1,336 | 1,496 | 2,832 | 1,503 | 1,686 | 3,189 | 1,653 | 1,859 | 3,512 |
| CLFB | 55 | 17 | 72 | 59 | 18 | 77 | 70 | 21 | 91 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 38,711 | 3,457 | 42,168 | 43,423 | 4,057 | 47,480 | 37,728 | 4,510 | 42,238 |
| COMM-COMM | 38,711 | 3,068 | 41,779 | 43,423 | 3,724 | 47,147 | 37,728 | 4,011 | 41,739 |
| COMM-AC | --- | 389 | 389 | --- | 333 | 333 | --- | 499 | 499 |
| CBC | --- | 1,597 | 1,597 | --- | 1,647 | 1,647 | --- | 1,753 | 1,753 |
| CRTC | 477 | --- | 477 | 666 | --- | 666 | 519 | --- | 519 |
| NFB | 298 | 192 | 490 | 412 | 211 | 623 | 456 | 227 | 683 |
| NLTB | --- | 14,712 | 14,712 | --- | 17,156 | 17,156 | --- | 21,536 | 21,536 |
| NMUS | 2,571 | 37,652 | 40,223 | 2,613 | 41,223 | 43,836 | 5,458 | 40,723 | 46,181 |
| PA | --- | 9,320 | 9,320 | --- | 9,900 | 9,900 | --- | 12,009 | 12,009 |
| SSHRC | 1,869 | 1,746 | 3,615 | 2,042 | 1,959 | 4,001 | 2,253 | 2,123 | 4,376 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 1,065 | 10,054 | 11,119 | 1,217 | 11,729 | 12,946 | 1,152 | 12,707 | 13,859 |
| CCA-ADM | --- | 409 | 409 | --- | 489 | 489 | --- | 584 | 584 |
| CCA-CON | 617 | 1,504 | 2,121 | 749 | 1,678 | 2,427 | 810 | 1,850 | 2,660 |
| CCA-COR | 121 | 8,109 | 8,230 | 112 | 9,527 | 9,639 | --- | 10,238 | 10,238 |
| CCA-CICP | 327 | 32 | 359 | 356 | 35 | 391 | 342 | 35 | 377 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | 1,400 | 1,400 | --- | 1,656 | 1,656 | --- | 2,049 | 2,049 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 1,231 | 7,141 | 8,372 | 1,465 | 7,173 | 8,638 | 1,560 | 7,601 | 9,161 |
| EI-ADM | 1,231 | 7,141 | 8,372 | 1,465 | 7,173 | 8,638 | 1,560 | 7,601 | 9,161 |
| CEIC | --- | 4,280 | 4,280 | --- | 4,573 | 4,573 | --- | 4,995 | 4,995 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 55,625 | 33,669 | 89,294 | 66,987 | 32,934 | 99,921 | 105,809 | 40,265 | 146,074 |
| EMR-ENER | 798 | 1,412 | 2,210 | 4,081 | 1,778 | 5,859 | 35,683 | 2,916 | 38,599 |
| EMR-MES | 54,827 | 32,257 | 87,084 | 62,906 | 31,156 | 94,062 | 70,126 | 37,349 | 107,475 |
| AECB | 159 | --- | 159 | 200 | --- | 200 | 226 | --- | 226 |
| AECCL | 63,909 | 3,501 | 67,410 | 70,898 | 3,822 | 74,720 | 81,676 | 4,329 | 86,005 |
| NEB | --- | 1,781 | 1,781 | --- | 1,890 | 1,890 | --- | 2,089 | 2,089 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 54,331 | 140,798 | 195,129 | 61,839 | 157,982 | 219,821 | 72,603 | 180,891 | 253,494 |
| ENV-ADM | 417 | 1,090 | 1,507 | 399 | 1,441 | 1,840 | 432 | 1,497 | 1,929 |
| ENV-ES | 53,815 | 128,939 | 182,754 | 61,331 | 144,695 | 206,026 | 72,052 | 166,363 | 238,415 |
| ENV-EPS | 1,923 | 2,469 | 4,392 | 2,148 | 2,668 | 4,816 | 2,399 | 2,535 | 4,933 |
| ENV-AES | 11,101 | 87,949 | 99,050 | 11,604 | 101,930 | 113,534 | 13,045 | 116,085 | 129,130 |
| ENV-ECS | 16,349 | 34,855 | 51,204 | 16,536 | 35,597 | 52,133 | 19,770 | 43,155 | 62,925 |
| ENV-FOR | 24,442 | 3,666 | 28,108 | 31,043 | 4,500 | 35,543 | 36,839 | 4,583 | 41,427 |
| ENV-PC | 99 | 10,769 | 10,868 | 109 | 11,846 | 11,955 | 119 | 13,031 | 13,150 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | 3,618 | 3,618 | --- | 3,900 | 3,900 | --- | 4,414 | 4,414 |
| EA-CIA | --- | 3,618 | 3,618 | --- | 3,900 | 3,900 | --- | 4,414 | 4,414 |
| CIDA | 458 | 1,506 | 1,964 | 405 | 1,668 | 2,073 | 449 | 1,929 | 2,378 |
| IDRC | 6,841 | 4,217 | 11,058 | 7,133 | 5,373 | 12,506 | 8,324 | 6,149 | 14,473 |
| FINANCE | | | | | | | | | |
| FIN | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FIN-FEP | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 49,000 | 53,888 | 102,888 | 51,034 | 56,053 | 107,087 | 55,773 | 51,316 | 107,089 |
| F&O-FM | 49,000 | 53,888 | 102,888 | 51,034 | 56,053 | 107,087 | 55,773 | 51,316 | 107,089 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 1,498 | 1,575 | 3,073 | 1,623 | 1,794 | 3,417 | 1,692 | 1,970 | 3,662 |
| IAND-IIA | 25 | 75 | 100 | 25 | 80 | 105 | 27 | 85 | 112 |
| IAND-NA | 1,473 | 1,500 | 2,973 | 1,598 | 1,714 | 3,312 | 1,665 | 1,885 | 3,550 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 6,785 | 113 | 6,898 | 9,773 | 118 | 9,891 | 10,747 | 133 | 10,880 |
| ITC-TI | 6,622 | 15 | 6,637 | 9,632 | 20 | 9,652 | 10,592 | 25 | 10,617 |
| ITC-TOUR | 91 | 98 | 189 | 91 | 98 | 189 | 100 | 108 | 208 |
| ITC-GO | 72 | --- | 72 | 50 | --- | 50 | 55 | --- | 55 |

TABLE 6 CONT'D

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

INTRAMURAL, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|---------|---------|-----------|---------|---------|-----------|---------|---------|-----------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | 586 | 1,656 | 2,242 | 833 | 1,914 | 2,747 | 1,048 | 2,581 | 3,629 |
| JUST-ADM | 586 | 327 | 913 | 833 | 362 | 1,195 | 1,048 | 481 | 1,529 |
| JUST-CUIO | --- | 1,329 | 1,329 | --- | 1,552 | 1,552 | --- | 2,100 | 2,100 |
| CHRC | --- | 202 | 202 | --- | 230 | 230 | --- | 255 | 255 |
| LRC | 1,552 | 311 | 1,863 | 1,588 | 374 | 1,962 | 1,975 | 459 | 2,434 |
| LABOUR | | | | | | | | | |
| LAB | 354 | 2,661 | 3,015 | 411 | 3,035 | 3,446 | 452 | 3,338 | 3,790 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 58,572 | 1,674 | 60,246 | 63,133 | 1,776 | 64,909 | 68,597 | 1,924 | 70,521 |
| NDEF-SER | 58,572 | 1,674 | 60,246 | 63,133 | 1,776 | 64,909 | 68,597 | 1,924 | 70,521 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 10,522 | 30,295 | 40,817 | 15,286 | 31,730 | 47,016 | 18,377 | 36,261 | 54,638 |
| NHW-ADM | 1,410 | 2,807 | 4,217 | 1,635 | 3,235 | 4,870 | 1,660 | 3,540 | 5,200 |
| NHW-HSS | 1,047 | 507 | 1,554 | 1,197 | 917 | 2,114 | 1,271 | 755 | 2,026 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 7,930 | 26,494 | 34,424 | 11,014 | 27,047 | 38,061 | 13,825 | 31,436 | 45,261 |
| NHW-IS | --- | 487 | 487 | --- | 531 | 531 | --- | 530 | 530 |
| MRC | 1,272 | 109 | 1,381 | 1,435 | 121 | 1,556 | 1,608 | 139 | 1,747 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| NREV-TAX | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| POST OFFICE | | | | | | | | | |
| PO | 180 | 386 | 566 | 210 | 274 | 484 | 223 | 574 | 797 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | --- | 6 | 6 | --- | --- | 0 | --- | --- | 0 |
| COL | --- | 859 | 859 | --- | 975 | 975 | --- | 1,172 | 1,172 |
| ECC | 6,108 | 844 | 6,952 | 6,486 | 1,011 | 7,497 | 5,950 | 952 | 6,902 |
| PUBLIC WORKS | | | | | | | | | |
| PW | 1,641 | 1,436 | 3,077 | 1,318 | 2,626 | 3,944 | 353 | 5,158 | 5,511 |
| PW-PTS | 1,641 | 1,436 | 3,077 | 1,318 | 2,626 | 3,944 | 353 | 5,158 | 5,511 |
| CMHC | 2,163 | 4,223 | 6,386 | 2,790 | 4,830 | 7,620 | 3,069 | 5,313 | 8,382 |
| NCC | 638 | 495 | 1,133 | 661 | 430 | 1,091 | 1,331 | 582 | 1,913 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 759 | --- | 759 | 748 | --- | 748 | 912 | --- | 912 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | 5,156 | 5,156 | --- | 5,973 | 5,973 | --- | 7,410 | 7,410 |
| NRC | 109,092 | 29,261 | 138,353 | 129,508 | 34,014 | 163,522 | 148,355 | 39,259 | 187,614 |
| NRC-SIR | 109,092 | 15,693 | 124,785 | 129,508 | 17,807 | 147,315 | 148,355 | 20,099 | 168,454 |
| NRC-STI | --- | 13,568 | 13,568 | --- | 16,207 | 16,207 | --- | 19,160 | 19,160 |
| NSERC | 1,818 | 455 | 2,273 | 2,957 | 740 | 3,697 | 3,451 | 861 | 4,312 |
| SC | 877 | 1,236 | 2,113 | 1,034 | 1,511 | 2,545 | 1,222 | 1,712 | 2,934 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 2,184 | 2,133 | 4,317 | 2,378 | 2,380 | 4,758 | 2,607 | 2,281 | 4,888 |
| SECS-OL | --- | 36 | 36 | --- | 71 | 71 | --- | 91 | 91 |
| SECS-ES | --- | 129 | 129 | --- | 155 | 155 | --- | 177 | 177 |
| SECS-TRA | 2,184 | 1,899 | 4,083 | 2,378 | 2,081 | 4,459 | 2,607 | 1,936 | 4,543 |
| SECS-CIT | --- | 69 | 69 | --- | 73 | 73 | --- | 77 | 77 |
| PSC | 212 | --- | 212 | --- | --- | 0 | --- | --- | 0 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 323 | 550 | 873 | 404 | 710 | 1,114 | 322 | 548 | 870 |
| SGEN-ADM | 323 | 550 | 873 | 404 | 710 | 1,114 | 322 | 548 | 870 |
| RCMP | --- | --- | 0 | --- | --- | 0 | 214 | 50 | 264 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 74 | 17 | 91 | 81 | 19 | 100 | 90 | 20 | 110 |
| SS-SUPP | 74 | 17 | 91 | 81 | 19 | 100 | 90 | 20 | 110 |
| STCAN | 3,499 | 118,626 | 122,125 | 4,284 | 143,956 | 148,240 | 6,463 | 223,456 | 229,919 |
| TRANSPORT | | | | | | | | | |
| TPT | 7,250 | 10,570 | 17,820 | 9,627 | 8,960 | 18,587 | 9,835 | 7,052 | 16,937 |
| TPT-ADM | 591 | 212 | 803 | 1,287 | 225 | 1,512 | 1,130 | 220 | 1,350 |
| TPT-MAR | 3,518 | 6,412 | 9,930 | 5,363 | 5,593 | 10,956 | 5,788 | 5,354 | 11,142 |
| TPT-AIR | 3,034 | 427 | 3,461 | 2,902 | 2,723 | 5,625 | 2,892 | 1,477 | 4,369 |
| TPT-SUR | 107 | 3,519 | 3,626 | 75 | 419 | 494 | 75 | 1 | 76 |
| CTC | 729 | 1,505 | 2,234 | 640 | 1,300 | 1,940 | 729 | 1,532 | 2,261 |
| TREASURY BOARD | | | | | | | | | |
| TB | --- | 9,933 | 9,933 | --- | 11,673 | 11,673 | --- | 12,814 | 12,814 |
| TB-ADM | --- | 9,933 | 9,933 | --- | 11,673 | 11,673 | --- | 12,814 | 12,814 |
| TOTAL | 624,101 | 578,107 | 1,202,208 | 703,967 | 647,533 | 1,351,500 | 818,705 | 782,991 | 1,601,696 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 7

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

INDUSTRY, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|--------|---------|---------|--------|---------|---------|--------|---------|
| | R&D | ESA | TOTAL | R&D | ESA | TOTAL | R&D | ESA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 2,122 | 491 | 2,613 | 2,390 | 607 | 2,997 | 2,278 | 583 | 2,861 |
| AGR-DEV | --- | 491 | 491 | --- | 607 | 607 | --- | 583 | 583 |
| AGR-RI | 2,122 | --- | 2,122 | 2,390 | --- | 2,390 | 2,278 | --- | 2,278 |
| CDC | --- | 44 | 44 | --- | 200 | 200 | --- | 300 | 300 |
| CLFB | --- | --- | 0 | --- | 5 | 5 | --- | 5 | 5 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 14,021 | 669 | 14,690 | 19,418 | 1,104 | 20,522 | 13,248 | 965 | 14,213 |
| COMM-COMM | 14,021 | 529 | 14,550 | 19,418 | 809 | 20,227 | 13,248 | 755 | 14,003 |
| COMM-AC | --- | 140 | 140 | --- | 295 | 295 | --- | 210 | 210 |
| CBC | --- | 1,751 | 1,751 | --- | 2,007 | 2,007 | --- | 2,221 | 2,221 |
| CRIC | 16 | --- | 16 | 15 | --- | 15 | --- | --- | 8 |
| NFB | --- | 9 | 9 | --- | 13 | 13 | --- | 10 | 18 |
| NMUS | --- | 444 | 444 | --- | 665 | 665 | --- | 693 | 693 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 230 | 95 | 325 | 204 | 90 | 294 | 134 | 135 | 269 |
| CCA-COM | 97 | --- | 97 | 124 | --- | 124 | 134 | --- | 134 |
| CCA-COR | 133 | --- | 133 | 80 | --- | 80 | --- | --- | 0 |
| CCA-CICP | --- | 95 | 95 | --- | 90 | 90 | --- | 135 | 135 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 58 | 770 | 828 | 7 | 718 | 725 | 7 | 870 | 885 |
| EI-ADM | 58 | 770 | 828 | 7 | 718 | 725 | 7 | 870 | 885 |
| CEIC | --- | 1,520 | 1,520 | --- | 3,128 | 3,128 | --- | 3,315 | 3,315 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 9,878 | 3,634 | 13,512 | 22,338 | 4,638 | 26,976 | 30,305 | 4,603 | 34,908 |
| EMR-ENER | 3,398 | 440 | 3,838 | 15,731 | 590 | 16,321 | 21,800 | 720 | 22,520 |
| EMR-MES | 6,480 | 3,194 | 9,674 | 6,607 | 4,048 | 10,655 | 8,505 | 3,883 | 12,388 |
| AECB | 116 | --- | 116 | 181 | --- | 181 | 199 | --- | 199 |
| AECI | 9,777 | 9,980 | 19,757 | 10,409 | 11,611 | 22,020 | 9,818 | 13,893 | 23,711 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 10,394 | 2,039 | 12,433 | 12,383 | 2,448 | 14,831 | 13,202 | 2,777 | 15,979 |
| ENV-ES | 10,252 | 1,980 | 12,232 | 12,227 | 2,383 | 14,610 | 13,000 | 2,706 | 15,736 |
| ENV-EPS | 1,750 | 225 | 1,975 | 2,265 | 245 | 2,510 | 2,200 | 240 | 2,440 |
| ENV-AES | --- | 466 | 466 | --- | 814 | 814 | --- | 855 | 855 |
| ENV-ECS | 546 | 1,289 | 1,835 | 538 | 1,324 | 1,862 | 655 | 1,611 | 2,266 |
| ENV-FOR | 7,956 | --- | 7,956 | 9,424 | --- | 9,424 | 10,175 | --- | 10,175 |
| ENV-PC | 142 | 59 | 201 | 156 | 65 | 221 | 172 | 71 | 243 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| CIDA | --- | 22,341 | 22,341 | --- | 22,788 | 22,788 | --- | 25,523 | 25,523 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 3,286 | 1,952 | 5,238 | 3,350 | 1,965 | 5,315 | 5,238 | 3,423 | 8,661 |
| F&O-FM | 3,286 | 1,952 | 5,238 | 3,350 | 1,965 | 5,315 | 5,238 | 3,423 | 8,661 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 220 | 338 | 558 | 282 | 307 | 589 | 279 | 423 | 702 |
| IAND-IIA | 67 | 117 | 184 | 74 | 122 | 196 | 79 | 130 | 209 |
| IAND-NA | 153 | 221 | 374 | 208 | 185 | 393 | 200 | 293 | 493 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 74,208 | 11 | 74,219 | 85,818 | 12 | 85,830 | 110,702 | 13 | 110,715 |
| ITC-TI | 72,782 | 11 | 72,793 | 85,212 | 12 | 85,224 | 110,431 | 13 | 110,444 |
| ITC-TOUR | 156 | --- | 156 | 156 | --- | 156 | --- | --- | 171 |
| ITC-GO | 1,270 | --- | 1,270 | 450 | --- | 450 | 100 | --- | 100 |
| JUSTICE | | | | | | | | | |
| LRC | --- | 245 | 245 | --- | 400 | 400 | --- | 575 | 575 |
| LABOUR | | | | | | | | | |
| LAB | 30 | 10 | 40 | 45 | 75 | 120 | 49 | 82 | 131 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 23,250 | 52 | 23,302 | 28,819 | 72 | 28,891 | 34,640 | 85 | 34,725 |
| NDEF-SER | 23,250 | 52 | 23,302 | 28,819 | 72 | 28,891 | 34,640 | 85 | 34,725 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 59 | 459 | 518 | 456 | 682 | 1,138 | 670 | 610 | 1,280 |
| NHW-HSS | 19 | 79 | 98 | 250 | 138 | 388 | 455 | 56 | 511 |
| NHW-HP | 40 | 380 | 420 | 206 | 544 | 750 | 215 | 554 | 769 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PO | 48 | --- | 48 | 33 | 23 | 56 | 345 | --- | 345 |
| PRIVY COUNCIL | | | | | | | | | |
| ECC | 412 | 645 | 1,057 | 296 | --- | 296 | 300 | --- | 300 |
| PUBLIC WORKS | | | | | | | | | |
| PW | 1,815 | 545 | 2,360 | 2,937 | 1,125 | 4,062 | 1,045 | 988 | 1,953 |
| PW-PTS | 1,815 | 545 | 2,360 | 2,937 | 1,125 | 4,062 | 1,045 | 988 | 1,953 |
| CMHC | 1,563 | 838 | 2,401 | 1,262 | 1,442 | 2,704 | 1,388 | 1,587 | 2,975 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 31 | 302 | 333 | 52 | 650 | 702 | 60 | 1,245 | 1,305 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 48,409 | 353 | 48,762 | 53,332 | 964 | 54,296 | 61,022 | 1,152 | 62,174 |
| NRC-SIR | 48,409 | 353 | 48,762 | 53,332 | 964 | 54,296 | 61,022 | 1,152 | 62,174 |
| NSERC | 1,493 | --- | 1,493 | 2,346 | --- | 2,346 | --- | --- | 2,732 |
| SC | 72 | --- | 72 | 30 | --- | 30 | 77 | --- | 77 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 27 | 249 | 276 | --- | 302 | 302 | --- | 550 | 550 |
| SECS-OL | --- | 4 | 4 | --- | 302 | 302 | --- | 200 | 200 |
| SECS-CIT | 27 | 245 | 272 | --- | --- | 0 | --- | 350 | 350 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 418 | 61 | 479 | 342 | 66 | 408 | 378 | 57 | 435 |
| SGEN-ADM | 418 | 61 | 479 | 342 | 66 | 408 | 378 | 57 | 435 |
| RCMP | 25 | --- | 25 | 95 | --- | 95 | 103 | --- | 103 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 10,323 | 2,166 | 12,489 | 10,274 | 2,230 | 12,504 | 10,478 | 2,144 | 12,622 |
| SS-SUPP | 10,323 | 2,166 | 12,489 | 10,274 | 2,230 | 12,504 | 10,478 | 2,144 | 12,622 |
| TRANSPORT | | | | | | | | | |
| TPT | 5,534 | 3,230 | 8,764 | 6,811 | 3,327 | 10,138 | 9,481 | 3,113 | 12,594 |
| TPT-ADM | 5,424 | 974 | 6,398 | 6,806 | 1,093 | 7,899 | 9,281 | 1,043 | 10,324 |
| TPT-MAR | --- | --- | 0 | --- | --- | 0 | 50 | --- | 50 |
| TPT-AIR | 110 | 2,256 | 2,366 | 5 | 2,234 | 2,239 | 150 | 2,070 | 2,220 |
| CTC | 199 | 118 | 317 | 231 | 96 | 327 | 199 | 118 | 317 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 218,034 | 55,361 | 273,395 | 264,156 | 63,760 | 327,916 | 308,377 | 71,986 | 380,363 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 8

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

UNIVERSITY, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|--------|---------|---------|--------|---------|---------|--------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 3,479 | --- | 3,479 | 3,751 | --- | 3,751 | 3,637 | 25 | 3,662 |
| AGR-RI | 3,479 | --- | 3,479 | 3,751 | --- | 3,751 | 3,637 | 25 | 3,662 |
| CDC | --- | --- | 0 | --- | 100 | 100 | --- | 300 | 300 |
| CLFB | 5 | --- | 5 | 17 | --- | 17 | 20 | --- | 20 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 800 | 49 | 849 | 975 | 58 | 1,033 | 975 | 98 | 1,073 |
| COMM-COMM | 800 | 32 | 832 | 975 | 33 | 1,008 | 975 | 58 | 1,033 |
| COMM-AC | --- | 17 | 17 | --- | 25 | 25 | --- | 40 | 40 |
| CRTC | --- | --- | 0 | 40 | --- | 40 | 40 | --- | 40 |
| NFB | --- | --- | 0 | --- | --- | 0 | --- | 5 | 5 |
| NMUS | --- | 553 | 553 | --- | 697 | 697 | --- | 736 | 736 |
| SSHRC | 19,424 | 8,689 | 28,113 | 22,815 | 10,649 | 33,464 | 24,780 | 11,075 | 35,855 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 91 | 6 | 97 | 65 | 8 | 73 | 27 | 100 | 127 |
| CCA-COM | 20 | --- | 20 | 25 | --- | 25 | 27 | --- | 27 |
| CCA-COR | 71 | --- | 71 | 40 | --- | 40 | --- | --- | 0 |
| CCA-CICP | --- | 6 | 6 | --- | 8 | 8 | --- | 100 | 100 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | --- | 0 | --- | 10 | 10 | --- | --- | 0 |
| EI-ADM | --- | --- | 0 | --- | 10 | 10 | --- | --- | 0 |
| CEIC | --- | --- | 0 | --- | 18 | 18 | --- | 20 | 20 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 1,497 | 356 | 1,853 | 1,811 | 97 | 1,908 | 1,507 | 93 | 1,600 |
| EMR-ENER | 5 | --- | 5 | 130 | --- | 130 | 130 | --- | 130 |
| EMR-MES | 1,492 | 356 | 1,848 | 1,681 | 97 | 1,778 | 1,377 | 93 | 1,470 |
| AECB | 175 | --- | 175 | 302 | --- | 302 | 332 | --- | 332 |
| AECI | 1,320 | 55 | 1,375 | 1,309 | 30 | 1,347 | 1,518 | 27 | 1,545 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 2,225 | 742 | 2,967 | 2,556 | 615 | 3,171 | 3,075 | 848 | 3,923 |
| ENV-ES | 2,156 | 734 | 2,890 | 2,479 | 607 | 3,086 | 2,991 | 838 | 3,829 |
| ENV-EPS | 312 | --- | 312 | 315 | --- | 315 | 315 | --- | 315 |
| ENV-AES | 413 | 483 | 896 | 413 | 320 | 733 | 732 | 490 | 1,222 |
| ENV-ECS | 478 | 251 | 729 | 476 | 287 | 763 | 526 | 348 | 874 |
| ENV-FOR | 953 | --- | 953 | 1,275 | --- | 1,275 | 1,418 | --- | 1,418 |
| ENV-FC | 69 | 8 | 77 | 77 | 8 | 85 | 84 | 10 | 94 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | 1,300 | 1,300 | --- | 1,480 | 1,480 | --- | 1,620 | 1,620 |
| EA-CIA | --- | 1,300 | 1,300 | --- | 1,480 | 1,480 | --- | 1,620 | 1,620 |
| CIDA | 275 | 2,089 | 2,364 | 350 | 2,299 | 2,649 | 400 | 2,529 | 2,929 |
| IDRC | 379 | 8 | 387 | 437 | --- | 437 | 894 | 115 | 1,009 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 1,193 | 100 | 1,301 | 1,220 | 100 | 1,320 | 1,197 | 109 | 1,306 |
| F&O-FM | 1,193 | 100 | 1,301 | 1,220 | 100 | 1,320 | 1,197 | 109 | 1,306 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 851 | 10 | 861 | 785 | 20 | 805 | 737 | 25 | 762 |
| IAND-IIA | 44 | --- | 44 | 44 | --- | 44 | 47 | --- | 47 |
| IAND-NA | 807 | 10 | 817 | 741 | 20 | 761 | 690 | 25 | 715 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 1,254 | 458 | 1,712 | 2,795 | 636 | 3,431 | 4,041 | 657 | 4,698 |
| ITC-TI | 1,154 | 458 | 1,612 | 2,730 | 636 | 3,366 | 4,041 | 657 | 4,698 |
| ITC-GO | 100 | --- | 100 | 65 | --- | 65 | --- | --- | 0 |
| JUSTICE | | | | | | | | | |
| JUST | --- | 25 | 25 | --- | 41 | 41 | --- | 48 | 48 |
| JUST-ADM | --- | 25 | 25 | --- | 41 | 41 | --- | 48 | 48 |
| LABOUR | | | | | | | | | |
| LAB | 84 | 20 | 104 | 125 | 45 | 170 | 137 | 49 | 186 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 1,987 | 35 | 2,022 | 2,995 | 53 | 3,048 | 3,164 | 78 | 3,242 |
| NDEF-SER | 1,987 | 35 | 2,022 | 2,995 | 53 | 3,048 | 3,164 | 78 | 3,242 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHM | 7,883 | 2,445 | 10,328 | 9,309 | 2,303 | 11,612 | 8,201 | 2,405 | 10,606 |
| NHM-HSS | 7,853 | 2,159 | 10,012 | 9,066 | 1,925 | 10,991 | 7,946 | 1,991 | 9,937 |
| NHM-HP | 30 | 286 | 316 | 243 | 378 | 621 | 255 | 414 | 669 |
| MRC | 63,980 | 1,968 | 65,948 | 75,203 | 2,291 | 77,494 | 81,091 | 2,500 | 83,591 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| ECC | 501 | --- | 501 | 197 | --- | 197 | 150 | --- | 150 |
| PUBLIC WORKS | | | | | | | | | |
| PA | 60 | 11 | 71 | --- | 43 | 43 | 10 | 5 | 15 |
| PA-PTS | 60 | 11 | 71 | --- | 43 | 43 | 10 | 5 | 15 |
| CMHC | 75 | 658 | 733 | 45 | 597 | 642 | 49 | 956 | 1,005 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 10,843 | 407 | 11,250 | 15,349 | 454 | 15,803 | 18,753 | 653 | 19,406 |
| NRC-SIR | 10,843 | 407 | 11,250 | 15,349 | 454 | 15,803 | 18,753 | 653 | 19,406 |
| NSERC | 104,917 | 8,230 | 113,147 | 138,891 | 12,675 | 151,566 | 158,435 | 17,551 | 167,986 |
| SC | 77 | --- | 77 | 77 | --- | 77 | 116 | --- | 116 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 713 | 39 | 752 | 476 | --- | 476 | 500 | 55 | 555 |
| SECS-OL | --- | 22 | 22 | --- | --- | 0 | --- | --- | 0 |
| SECS-TRA | 476 | --- | 476 | 476 | --- | 476 | 500 | --- | 500 |
| SECS-CIT | 237 | 17 | 254 | --- | --- | 0 | --- | 55 | 55 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 759 | 23 | 782 | 760 | --- | 760 | 999 | --- | 999 |
| SGEN-ADM | 759 | 23 | 782 | 760 | --- | 760 | 999 | --- | 999 |
| RCMP | 6 | --- | 6 | 35 | --- | 35 | 25 | --- | 25 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 1,482 | 304 | 1,786 | 1,292 | 291 | 1,583 | 1,329 | 274 | 1,603 |
| SS-SUPP | 1,482 | 304 | 1,786 | 1,292 | 291 | 1,583 | 1,329 | 274 | 1,603 |
| TRANSPORT | | | | | | | | | |
| TPT | 903 | 13 | 916 | --- | --- | 0 | --- | --- | 0 |
| TPT-ADM | 963 | --- | 963 | --- | --- | 0 | --- | --- | 0 |
| TPT-AIR | 20 | 13 | 33 | --- | --- | 0 | --- | --- | 0 |
| CTC | 142 | --- | 142 | 164 | --- | 164 | 142 | --- | 142 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 227,460 | 28,601 | 256,061 | 284,146 | 35,626 | 319,772 | 308,281 | 42,956 | 351,237 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 9

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
NON-PROFIT INSTITUTIONS, BY DEPARTMENT OR AGENCY
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|--------|---------|-------|--------|---------|-------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 423 | --- | 423 | 485 | --- | 485 | 465 | 13 | 478 |
| AGR-RI | 423 | --- | 423 | 485 | --- | 485 | 465 | 13 | 478 |
| CDC | --- | 368 | 368 | --- | 300 | 300 | --- | 400 | 400 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 2 | 45 | 47 | --- | 18 | 18 | --- | 20 | 20 |
| COMM-COMM | 2 | 9 | 11 | --- | 8 | 8 | --- | 10 | 10 |
| COMM-AC | --- | 36 | 36 | --- | 10 | 10 | --- | 10 | 10 |
| CRTC | 37 | --- | 37 | 35 | --- | 35 | 35 | --- | 35 |
| NMUS | --- | 966 | 966 | --- | 1,165 | 1,165 | --- | 1,197 | 1,197 |
| SSHRC | --- | 2,291 | 2,291 | --- | 2,200 | 2,200 | --- | 2,300 | 2,300 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 11 | --- | 11 | 14 | --- | 14 | 15 | --- | 15 |
| CCA-COM | 11 | --- | 11 | 14 | --- | 14 | 15 | --- | 15 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | 200 | 200 | --- | 150 | 150 | --- | 150 | 150 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | --- | 0 | --- | 100 | 100 | --- | --- | 0 |
| EI-ADM | --- | --- | 0 | --- | 100 | 100 | --- | --- | 0 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 1,449 | 41 | 1,490 | 1,591 | 32 | 1,623 | 1,480 | 32 | 1,512 |
| EMR-ENER | 1,299 | --- | 1,299 | 1,351 | --- | 1,351 | 1,351 | --- | 1,351 |
| EMR-MES | 150 | 41 | 191 | 240 | 32 | 272 | 129 | 32 | 161 |
| RECB | 84 | --- | 84 | 10 | --- | 10 | 11 | --- | 11 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 2,698 | 181 | 2,879 | 3,935 | 229 | 4,164 | 5,045 | 224 | 5,269 |
| ENV-ES | 2,698 | 37 | 2,735 | 3,935 | 71 | 4,006 | 5,045 | 50 | 5,095 |
| ENV-EPS | 75 | --- | 75 | 75 | --- | 75 | 75 | --- | 75 |
| ENV-RES | 73 | 19 | 92 | --- | 53 | 53 | --- | 32 | 32 |
| ENV-ECS | 10 | 18 | 28 | 9 | 18 | 27 | 9 | 18 | 27 |
| ENV-FOR | 2,540 | --- | 2,540 | 3,851 | --- | 3,851 | 4,961 | --- | 4,961 |
| ENV-PC | --- | 144 | 144 | --- | 158 | 158 | --- | 174 | 174 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| CIDA | --- | 293 | 293 | --- | --- | 0 | --- | --- | 0 |
| IDRC | 608 | --- | 608 | 370 | --- | 370 | 475 | 80 | 555 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 1,432 | 325 | 1,757 | 1,485 | 325 | 1,810 | 1,479 | --- | 1,479 |
| F&O-FM | 1,432 | 325 | 1,757 | 1,485 | 325 | 1,810 | 1,479 | --- | 1,479 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 146 | 1,030 | 1,176 | 246 | 1,030 | 1,276 | 253 | 1,192 | 1,445 |
| IAND-IAA | 93 | 1,030 | 1,123 | 93 | 1,030 | 1,123 | 100 | 1,092 | 1,192 |
| IAND-NA | 53 | --- | 53 | 153 | --- | 153 | 153 | 100 | 253 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 379 | 70 | 449 | 391 | 63 | 454 | 418 | 55 | 473 |
| ITC-TI | 29 | 70 | 99 | 16 | 63 | 79 | 43 | 55 | 98 |
| ITC-GO | 350 | --- | 350 | 375 | --- | 375 | 375 | --- | 375 |
| JUSTICE | | | | | | | | | |
| JUST | 973 | 225 | 1,198 | 694 | 300 | 994 | 700 | 300 | 1,000 |
| JUST-ADM | 973 | 225 | 1,198 | 694 | 300 | 994 | 700 | 300 | 1,000 |
| LABOUR | | | | | | | | | |
| LAB | --- | 15 | 15 | 15 | --- | 15 | 16 | --- | 16 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 23 | --- | 23 | --- | --- | 0 | --- | --- | 0 |
| NDEF-SER | 23 | --- | 23 | --- | --- | 0 | --- | --- | 0 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 3,070 | 1,330 | 4,400 | 2,775 | 1,403 | 4,178 | 3,248 | 1,437 | 4,685 |
| NHW-HSS | 2,906 | 1,225 | 4,131 | 2,731 | 1,403 | 4,134 | 3,204 | 1,437 | 4,641 |
| NHW-HP | 164 | 105 | 269 | 44 | --- | 44 | 44 | --- | 44 |
| MRC | --- | 121 | 121 | --- | 121 | 121 | --- | 132 | 132 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PC | 1,796 | --- | 1,796 | 549 | --- | 549 | 549 | --- | 549 |
| ECC | 136 | --- | 136 | 10 | --- | 10 | 15 | --- | 15 |
| PUBLIC WORKS | | | | | | | | | |
| PW | --- | 33 | 33 | --- | 49 | 49 | --- | 34 | 34 |
| PW-PTS | --- | 33 | 33 | --- | 49 | 49 | --- | 34 | 34 |
| CMHC | 243 | 406 | 649 | 75 | 366 | 441 | 83 | 402 | 485 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 155 | --- | 155 | 140 | --- | 140 | 140 | 66 | 206 |
| NRC-SIR | 155 | --- | 155 | 140 | --- | 140 | 140 | --- | 140 |
| NRC-STI | --- | --- | 0 | --- | --- | 0 | --- | 66 | 66 |
| NSERC | 972 | 638 | 1,610 | 1,342 | 912 | 2,254 | 1,613 | 1,022 | 2,635 |
| SC | 28 | --- | 28 | 25 | --- | 25 | 40 | --- | 40 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 2,064 | --- | 2,064 | 2,409 | 140 | 2,549 | 2,224 | 340 | 2,564 |
| SECS-OL | 246 | --- | 246 | 480 | --- | 480 | 509 | --- | 509 |
| SECS-CIT | 1,818 | --- | 1,818 | 1,929 | 140 | 2,069 | 1,715 | 340 | 2,055 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 37 | --- | 37 | --- | --- | 0 | --- | --- | 0 |
| SGEN-ADM | 37 | --- | 37 | --- | --- | 0 | --- | --- | 0 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 57 | 168 | 225 | 371 | 178 | 549 | 379 | 170 | 549 |
| SS-SUPP | 57 | 168 | 225 | 371 | 178 | 549 | 379 | 170 | 549 |
| TRANSPORT | | | | | | | | | |
| TPT | 50 | --- | 50 | 50 | --- | 50 | 50 | --- | 50 |
| TPT-SUR | 50 | --- | 50 | 50 | --- | 50 | 50 | --- | 50 |
| TREASURY BOARD | | | | | | | | | |
| TB | 113 | --- | 113 | 113 | --- | 113 | 113 | --- | 113 |
| TB-ADM | 113 | --- | 113 | 113 | --- | 113 | 113 | --- | 113 |
| TOTAL | 16,986 | 8,746 | 25,732 | 17,130 | 9,081 | 26,211 | 18,846 | 9,566 | 28,412 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 10

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
PROVINCIAL & MUNICIPAL GOVERNMENTS, BY DEPARTMENT OR AGENCY
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|--------|--------|---------|--------|--------|---------|--------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 4 | --- | 4 | 1,095 | --- | 1,095 | 905 | --- | 905 |
| AGR-RI | 4 | --- | 4 | 1,095 | --- | 1,095 | 905 | --- | 905 |
| COMMUNICATIONS | | | | | | | | | |
| NMUS | --- | 6,370 | 6,370 | --- | 5,615 | 5,615 | --- | 5,873 | 5,873 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 16 | --- | 16 | 20 | --- | 20 | 21 | --- | 21 |
| CCA-CON | 16 | --- | 16 | 20 | --- | 20 | 21 | --- | 21 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | --- | 0 | 36 | --- | 36 | --- | --- | 0 |
| EI-ADM | --- | --- | 0 | 36 | --- | 36 | --- | --- | 0 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 54,714 | --- | 54,714 | 67,727 | --- | 67,727 | 89,664 | --- | 89,664 |
| EMR-ENER | 53,039 | --- | 53,039 | 66,259 | --- | 66,259 | 88,423 | --- | 88,423 |
| EMR-MES | 1,675 | --- | 1,675 | 1,468 | --- | 1,468 | 1,241 | --- | 1,241 |
| AECB | 41 | --- | 41 | 58 | --- | 58 | 64 | --- | 64 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 240 | 3,228 | 3,468 | 238 | 3,298 | 3,536 | 270 | 3,999 | 4,269 |
| ENV-ES | 239 | 3,228 | 3,467 | 237 | 3,298 | 3,535 | 269 | 3,999 | 4,268 |
| ENV-EPS | 60 | --- | 60 | 60 | --- | 60 | 60 | --- | 60 |
| ENV-AES | --- | 140 | 140 | --- | 168 | 168 | --- | 184 | 184 |
| ENV-ECS | 76 | 3,088 | 3,164 | 57 | 3,130 | 3,187 | 69 | 3,815 | 3,884 |
| ENV-FOR | 103 | --- | 103 | 120 | --- | 120 | 140 | --- | 140 |
| ENV-PC | 1 | --- | 1 | 1 | --- | 1 | 1 | --- | 1 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | --- | 68 | 68 | --- | 20 | 20 | --- | 74 | 74 |
| F&O-FM | --- | 68 | 68 | --- | 20 | 20 | --- | 74 | 74 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | --- | --- | 0 | --- | --- | 0 | --- | 25 | 25 |
| IAND-NA | --- | --- | 0 | --- | --- | 0 | --- | 25 | 25 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| JUSTICE | | | | | | | | | |
| JUST | 149 | --- | 149 | 207 | --- | 207 | 418 | --- | 418 |
| JUST-ADM | 149 | --- | 149 | 207 | --- | 207 | 418 | --- | 418 |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 11 | --- | 11 | 100 | --- | 100 | --- | --- | 0 |
| NDEF-SER | 11 | --- | 11 | 100 | --- | 100 | --- | --- | 0 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 396 | 1,096 | 1,492 | 317 | 1,623 | 1,940 | 246 | 2,186 | 2,432 |
| NHW-ADM | --- | 1,070 | 1,070 | --- | 1,570 | 1,570 | --- | 2,070 | 2,070 |
| NHW-HSS | 396 | 14 | 410 | 317 | 42 | 359 | 246 | 103 | 349 |
| NHW-HP | --- | 12 | 12 | --- | 11 | 11 | --- | 13 | 13 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PUBLIC WORKS | | | | | | | | | |
| PW | --- | 5 | 5 | --- | --- | 0 | --- | --- | 0 |
| PW-PTS | --- | 5 | 5 | --- | --- | 0 | --- | --- | 0 |
| CMHC | 86 | 48 | 134 | 60 | 7 | 67 | 66 | 8 | 74 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | --- | 1,925 | 1,925 | --- | 3,216 | 3,216 | --- | 6,616 | 6,616 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 266 | --- | 266 | 280 | --- | 280 | 971 | --- | 971 |
| NRC-SIR | 266 | --- | 266 | 280 | --- | 280 | 971 | --- | 971 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 7 | --- | 7 | --- | --- | 0 | --- | --- | 0 |
| SECS-CIT | 7 | --- | 7 | --- | --- | 0 | --- | --- | 0 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 93 | --- | 93 | 192 | 40 | 232 | 228 | 40 | 268 |
| SGEN-ADM | 93 | --- | 93 | 192 | 40 | 232 | 228 | 40 | 268 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 15 | --- | 15 | --- | --- | 0 | --- | --- | 0 |
| SS-SUPP | 15 | --- | 15 | --- | --- | 0 | --- | --- | 0 |
| TRANSPORT | | | | | | | | | |
| TPT | 20 | --- | 20 | --- | --- | 0 | --- | --- | 0 |
| TPT-ADM | 20 | --- | 20 | --- | --- | 0 | --- | --- | 0 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 56,058 | 12,740 | 68,798 | 70,330 | 13,819 | 84,149 | 92,853 | 18,821 | 111,674 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 11

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

FOREIGN, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY. | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|--------|---------|-------|--------|---------|--------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 12 | 7 | 19 | 53 | 9 | 62 | 33 | 9 | 42 |
| AGR-RI | 12 | 4 | 16 | 53 | 5 | 58 | 33 | 6 | 39 |
| CDC | --- | 3 | 3 | --- | 4 | 4 | --- | 3 | 3 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 1,440 | --- | 1,440 | 2,509 | --- | 2,509 | --- | --- | 0 |
| COMM-COMM | 1,440 | --- | 1,440 | 2,509 | --- | 2,509 | --- | --- | 0 |
| NLIB | --- | 18 | 18 | --- | 23 | 23 | --- | 36 | 36 |
| SSHRC | --- | 2,562 | 2,562 | --- | 2,976 | 2,976 | --- | 3,070 | 3,070 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 43 | 4 | 47 | 85 | --- | 85 | 48 | --- | 48 |
| CCA-COM | 36 | --- | 36 | 45 | --- | 45 | 48 | --- | 48 |
| CCA-COR | 7 | --- | 7 | 40 | --- | 40 | --- | --- | 0 |
| CCA-CICP | --- | 4 | 4 | --- | --- | 0 | --- | --- | 0 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 3 | --- | 3 | 20 | --- | 20 | 4 | --- | 4 |
| EI-ADM | 3 | --- | 3 | 20 | --- | 20 | 4 | --- | 4 |
| CEIC | --- | --- | 0 | --- | 39 | 39 | --- | 41 | 41 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 1,016 | 16 | 1,032 | 970 | 17 | 987 | 993 | 20 | 1,013 |
| EMR-ENER | 100 | --- | 100 | 100 | --- | 100 | 100 | --- | 100 |
| EMR-MES | 916 | 16 | 932 | 870 | 17 | 887 | 893 | 20 | 913 |
| AECL | 61 | --- | 61 | 100 | --- | 100 | 125 | --- | 125 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 157 | 646 | 803 | 165 | 569 | 734 | 199 | 596 | 795 |
| ENV-ES | 157 | 646 | 803 | 165 | 569 | 734 | 199 | 596 | 795 |
| ENV-EPS | 16 | --- | 16 | 10 | --- | 10 | 15 | --- | 15 |
| ENV-AES | --- | 640 | 640 | 21 | 563 | 584 | --- | 590 | 590 |
| ENV-ECS | 27 | 6 | 33 | 26 | 6 | 32 | 26 | 6 | 32 |
| ENV-FOR | 114 | --- | 114 | 108 | --- | 108 | 158 | --- | 158 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | 110 | 110 | --- | 132 | 132 | --- | 142 | 142 |
| EA-CIA | --- | 110 | 110 | --- | 132 | 132 | --- | 142 | 142 |
| CIDA | 10,227 | 256 | 10,483 | 9,325 | 282 | 9,607 | 10,396 | 310 | 10,706 |
| IDRC | 22,412 | 1,626 | 24,038 | 23,239 | 2,129 | 25,368 | 26,816 | 2,241 | 29,057 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 75 | --- | 75 | 90 | --- | 90 | 29 | --- | 29 |
| F&O-FM | 75 | --- | 75 | 90 | --- | 90 | 29 | --- | 29 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 25 | 10 | 35 | --- | 75 | 75 | --- | 40 | 40 |
| ITC-TI | 25 | 10 | 35 | --- | 75 | 75 | --- | 40 | 40 |
| JUSTICE | | | | | | | | | |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 1,240 | --- | 1,240 | 1,363 | --- | 1,363 | 1,470 | --- | 1,470 |
| NDEF-SER | 1,240 | --- | 1,240 | 1,363 | --- | 1,363 | 1,470 | --- | 1,470 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 202 | 95 | 297 | 145 | 70 | 215 | 118 | 59 | 177 |
| NHW-HSS | 202 | 93 | 295 | 145 | 70 | 215 | 118 | 59 | 177 |
| NHW-HP | --- | 2 | 2 | --- | --- | 0 | --- | --- | 0 |
| MRC | 2,583 | 24 | 2,607 | 2,829 | 31 | 2,860 | 3,086 | 34 | 3,120 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PO | 15 | 3 | 18 | 15 | 3 | 18 | 5 | --- | 5 |
| PRIVY COUNCIL | | | | | | | | | |
| ECC | 88 | --- | 88 | 30 | --- | 30 | 25 | --- | 25 |
| PUBLIC WORKS | | | | | | | | | |
| PW | 35 | 70 | 105 | 5 | 110 | 115 | --- | 115 | 115 |
| PW-PTS | 35 | 70 | 105 | 5 | 110 | 115 | --- | 115 | 115 |
| CMHC | 12 | 199 | 211 | --- | 185 | 185 | --- | 271 | 271 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | 536 | 536 | --- | 570 | 570 | --- | 2,289 | 2,289 |
| NRC | 1,037 | --- | 1,037 | 1,941 | --- | 1,941 | 2,179 | --- | 2,179 |
| NRC-SIR | 1,037 | --- | 1,037 | 1,941 | --- | 1,941 | 2,179 | --- | 2,179 |
| NSERC | 1,100 | 1,425 | 2,525 | 1,492 | 1,849 | 3,341 | 1,677 | 2,674 | 4,351 |
| SC | 1 | --- | 1 | 6 | --- | 6 | 5 | --- | 5 |
| SECRETARY OF STATE | | | | | | | | | |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 24 | --- | 24 | --- | --- | 0 | --- | --- | 0 |
| SGEN-ADM | 24 | --- | 24 | --- | --- | 0 | --- | --- | 0 |
| SUPPLY AND SERVICES | | | | | | | | | |
| STCAN | --- | 31 | 31 | --- | 31 | 31 | --- | 34 | 34 |
| TRANSPORT | | | | | | | | | |
| CTC | 25 | --- | 25 | 25 | --- | 25 | 25 | --- | 25 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 41,833 | 7,638 | 49,471 | 44,407 | 9,100 | 53,507 | 47,233 | 11,981 | 59,214 |

* INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 12

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

OTHER, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|--------|---------|-------|--------|---------|-------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 677 | 2,921 | 3,598 | 832 | 1,923 | 2,755 | 804 | --- | 804 |
| AGR-RI | 677 | 2,921 | 3,598 | 832 | 1,923 | 2,755 | 804 | --- | 804 |
| CDC | 67 | --- | 67 | --- | --- | 0 | --- | --- | 0 |
| CLFB | 2 | --- | 2 | 20 | --- | 20 | 20 | --- | 20 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | --- | 14 | 14 | --- | 14 | 14 | --- | --- | 0 |
| COMM-COMM | --- | 14 | 14 | --- | 14 | 14 | --- | --- | 0 |
| CRTC | 12 | --- | 12 | 20 | --- | 20 | 85 | --- | 85 |
| NMUS | 266 | 1,240 | 1,506 | 278 | 1,082 | 1,360 | 301 | 1,149 | 1,450 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 366 | 207 | 573 | 462 | 90 | 552 | 496 | 215 | 711 |
| CCA-ADM | --- | 24 | 24 | --- | --- | 0 | --- | 65 | 65 |
| CCA-CON | 366 | --- | 366 | 462 | --- | 462 | 496 | --- | 496 |
| CCA-CICP | --- | 183 | 183 | --- | 90 | 90 | --- | 150 | 150 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 718 | 67 | 785 | 918 | 134 | 1,052 | 829 | 147 | 976 |
| EMR-MES | 718 | 67 | 785 | 918 | 134 | 1,052 | 829 | 147 | 976 |
| AECB | --- | --- | 0 | 17 | --- | 17 | 19 | --- | 19 |
| AECL | 343 | --- | 343 | 368 | --- | 368 | 130 | --- | 130 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 538 | 1,863 | 2,401 | 677 | 2,162 | 2,839 | 755 | 2,305 | 3,060 |
| ENV-ES | 426 | 1,800 | 2,226 | 554 | 2,093 | 2,647 | 620 | 2,229 | 2,849 |
| ENV-EPS | 180 | 65 | 245 | 290 | 58 | 348 | 285 | 47 | 332 |
| ENV-AES | 70 | 1,483 | 1,553 | 76 | 1,741 | 1,817 | 99 | 1,824 | 1,923 |
| ENV-ECS | 164 | 252 | 416 | 184 | 294 | 478 | 222 | 358 | 580 |
| ENV-FOR | 12 | --- | 12 | 4 | --- | 4 | 14 | --- | 14 |
| ENV-PC | 112 | 62 | 175 | 123 | 69 | 192 | 135 | 76 | 211 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| IDRC | 271 | 117 | 388 | 247 | 106 | 353 | 242 | 114 | 356 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 315 | 1,023 | 1,338 | 330 | 423 | 753 | 343 | 854 | 1,197 |
| F&O-FM | 315 | 1,023 | 1,338 | 330 | 423 | 753 | 343 | 854 | 1,197 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 142 | 206 | 348 | 213 | 206 | 419 | 215 | 219 | 434 |
| IAND-IIA | 31 | 206 | 237 | 31 | 206 | 237 | 33 | 219 | 252 |
| IAND-NA | 111 | --- | 111 | 182 | --- | 182 | 182 | --- | 182 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 100 | 48 | 148 | 100 | 133 | 233 | 100 | 146 | 246 |
| ITC-TI | 100 | 48 | 148 | 100 | 133 | 233 | 100 | 146 | 246 |
| JUSTICE | | | | | | | | | |
| JUST | 418 | 136 | 554 | 647 | 158 | 805 | 1,042 | 178 | 1,220 |
| JUST-ADM | 418 | 136 | 554 | 647 | 158 | 805 | 1,042 | 178 | 1,220 |
| LRC | 177 | 43 | 220 | 189 | 71 | 260 | 191 | 102 | 293 |
| LABOUR | | | | | | | | | |
| LAB | --- | 51 | 51 | 7 | 55 | 62 | 8 | 60 | 68 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 291 | --- | 291 | 181 | --- | 181 | 275 | --- | 275 |
| NDEF-SER | 291 | --- | 291 | 181 | --- | 181 | 275 | --- | 275 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 112 | 36 | 148 | 59 | 77 | 136 | 180 | 77 | 257 |
| NHW-HSS | 22 | --- | 22 | 10 | --- | 10 | 128 | 5 | 133 |
| NHW-HP | 90 | 36 | 126 | 49 | 77 | 126 | 52 | 72 | 124 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| ECC | --- | 27 | 27 | --- | --- | 0 | --- | --- | 0 |
| PUBLIC WORKS | | | | | | | | | |
| PW | --- | 96 | 96 | --- | 97 | 97 | --- | 29 | 29 |
| PW-PTS | --- | 96 | 96 | --- | 97 | 97 | --- | 29 | 29 |
| CMHC | 288 | 180 | 468 | 48 | 194 | 242 | 53 | 213 | 266 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 805 | 781 | 1,586 | 557 | 852 | 1,409 | 652 | 946 | 1,598 |
| NRC-SIR | 805 | 781 | 1,586 | 557 | 852 | 1,409 | 652 | 946 | 1,598 |
| SC | 190 | --- | 190 | 322 | --- | 322 | 370 | --- | 370 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | --- | 369 | 369 | 568 | 540 | 1,108 | 568 | 306 | 874 |
| SECS-OL | --- | 9 | 9 | --- | --- | 0 | --- | 16 | 16 |
| SECS-TRA | --- | 290 | 290 | --- | 290 | 290 | --- | 290 | 290 |
| SECS-CIT | --- | 70 | 70 | 568 | 250 | 818 | 568 | --- | 568 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 117 | 80 | 197 | 27 | 150 | 177 | 30 | 150 | 180 |
| SGEN-ADM | 117 | 80 | 197 | 27 | 150 | 177 | 30 | 150 | 180 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 275 | 115 | 390 | 148 | 91 | 239 | 141 | 85 | 226 |
| SS-SUPP | 275 | 115 | 390 | 148 | 91 | 239 | 141 | 85 | 226 |
| TRANSPORT | | | | | | | | | |
| TPT | 24 | --- | 24 | 95 | 368 | 463 | --- | 380 | 380 |
| TPT-AIR | 24 | --- | 24 | 95 | 368 | 463 | --- | 380 | 380 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 6,514 | 9,620 | 16,134 | 7,330 | 8,926 | 16,256 | 7,849 | 7,675 | 15,524 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 13

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON RESEARCH AND DEVELOPMENT
BY PERFORMER, 1979-1982

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|-----------|---------|-----------|---------|-----------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 624,101 | (52.4) | 703,967 | (50.6) | 818,705 | (51.1) |
| INDUSTRY | 218,034 | (18.3) | 264,156 | (19.0) | 308,377 | (19.2) |
| UNIVERSITIES | 227,460 | (19.1) | 284,146 | (20.4) | 308,281 | (19.2) |
| NON-PROFIT INSTITUTIONS | 16,986 | (1.4) | 17,130 | (1.2) | 18,846 | (1.2) |
| PROVINCIAL & MUNICIPAL | 56,058 | (4.7) | 70,330 | (5.1) | 92,853 | (5.8) |
| FOREIGN | 41,833 | (3.5) | 44,407 | (3.2) | 47,233 | (2.9) |
| OTHER CANADIAN | 6,514 | (0.5) | 7,330 | (0.5) | 7,849 | (0.5) |
| TOTAL | 1,190,986 | (100.0) | 1,391,466 | (100.0) | 1,602,144 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON RELATED SCIENTIFIC ACTIVITIES

BY PERFORMER, 1979-1982

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|---------|---------|---------|---------|---------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 578,107 | (82.5) | 647,533 | (82.2) | 782,991 | (82.8) |
| INDUSTRY | 55,361 | (7.9) | 63,760 | (8.1) | 71,986 | (7.6) |
| UNIVERSITIES | 28,601 | (4.1) | 35,626 | (4.5) | 42,956 | (4.5) |
| NON-PROFIT INSTITUTIONS | 8,746 | (1.2) | 9,081 | (1.2) | 9,566 | (1.0) |
| PROVINCIAL & MUNICIPAL | 12,740 | (1.8) | 13,819 | (1.8) | 18,821 | (2.0) |
| FOREIGN | 7,638 | (1.1) | 9,100 | (1.2) | 11,981 | (1.3) |
| OTHER CANADIAN | 9,620 | (1.4) | 8,926 | (1.1) | 7,675 | (0.8) |
| TOTAL | 700,813 | (100.0) | 787,845 | (100.0) | 945,976 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 15

NATURAL AND HUMAN SCIENCES

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RESEARCH AND DEVELOPMENT

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|-----------------|-----------------|---------|-----------------|-----------------|---------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 127,324 | 6,717 | 134,041 | 134,930 | 8,606 | 143,536 | 153,393 | 8,122 | 161,515 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-RI | 121,302 | 6,717 | 128,019 | 127,754 | 8,606 | 136,360 | 144,184 | 8,122 | 152,306 |
| AGR-CGC | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| CDC | 1,336 | 67 | 1,403 | 1,503 | --- | 1,503 | 1,653 | --- | 1,653 |
| CLFB | 55 | 7 | 62 | 59 | 37 | 96 | 70 | 40 | 110 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 38,711 | 16,263 | 54,974 | 43,423 | 22,902 | 66,325 | 37,728 | 14,223 | 51,951 |
| COMM-COMM | 38,711 | 16,263 | 54,974 | 43,423 | 22,902 | 66,325 | 37,728 | 14,223 | 51,951 |
| COMM-AC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CRTC | 477 | 65 | 542 | 666 | 110 | 776 | 519 | 160 | 679 |
| NFB | 298 | --- | 298 | 412 | --- | 412 | 456 | --- | 456 |
| NLIB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NMUS | 2,571 | 266 | 2,837 | 2,613 | 278 | 2,891 | 5,458 | 301 | 5,759 |
| PA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSHRC | 1,869 | 19,424 | 21,293 | 2,042 | 22,815 | 24,857 | 2,253 | 24,780 | 27,033 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 1,065 | 757 | 1,822 | 1,217 | 850 | 2,067 | 1,152 | 741 | 1,893 |
| CCA-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CON | 617 | 546 | 1,163 | 749 | 690 | 1,439 | 810 | 741 | 1,551 |
| CCA-COR | 121 | 211 | 332 | 112 | 160 | 272 | --- | --- | --- |
| CCA-CIC | 327 | --- | 327 | 356 | --- | 356 | 342 | --- | 342 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 1,231 | 61 | 1,292 | 1,465 | 63 | 1,528 | 1,560 | 11 | 1,571 |
| EI-ADM | 1,231 | 61 | 1,292 | 1,465 | 63 | 1,528 | 1,560 | 11 | 1,571 |
| CEIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 55,625 | 69,272 | 124,897 | 66,987 | 95,355 | 162,342 | 105,809 | 124,778 | 230,587 |
| EMR-ENER | 798 | 57,841 | 58,639 | 4,081 | 83,571 | 87,652 | 35,683 | 111,804 | 147,487 |
| EMR-MES | 54,827 | 11,431 | 66,258 | 62,906 | 11,784 | 74,690 | 70,126 | 12,974 | 83,100 |
| AECB | 159 | 416 | 575 | 200 | 568 | 768 | 226 | 625 | 851 |
| AECCL | 63,909 | 11,501 | 75,410 | 70,898 | 12,186 | 83,084 | 81,676 | 11,591 | 93,267 |
| NEB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENVIRONMENT | | | | | | | | | |
| ENV | 54,331 | 16,252 | 70,583 | 61,839 | 19,954 | 81,793 | 72,603 | 22,546 | 95,149 |
| ENV-ADM | 417 | --- | 417 | 399 | --- | 399 | 432 | --- | 432 |
| ENV-ES | 53,815 | 15,928 | 69,743 | 61,331 | 19,597 | 80,928 | 72,052 | 22,154 | 94,206 |
| ENV-EPS | 1,923 | 2,393 | 4,316 | 2,148 | 3,015 | 5,163 | 2,398 | 2,950 | 5,348 |
| ENV-AES | 11,101 | 556 | 11,657 | 11,604 | 510 | 12,114 | 13,045 | 831 | 13,876 |
| ENV-ECS | 16,349 | 1,301 | 17,650 | 16,536 | 1,290 | 17,826 | 19,770 | 1,507 | 21,277 |
| ENV-FOR | 24,442 | 11,678 | 36,120 | 31,043 | 14,782 | 45,825 | 36,839 | 16,866 | 53,705 |
| ENV-PC | 99 | 324 | 423 | 109 | 357 | 466 | 119 | 392 | 511 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CIDA | 458 | 10,502 | 10,960 | 405 | 9,675 | 10,080 | 449 | 10,796 | 11,245 |
| IDRC | 6,841 | 23,670 | 30,511 | 7,133 | 24,293 | 31,426 | 8,324 | 28,427 | 36,751 |
| FINANCE | | | | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 49,000 | 6,301 | 55,301 | 51,034 | 6,475 | 57,509 | 55,773 | 8,286 | 64,059 |
| F&O-FM | 49,000 | 6,301 | 55,301 | 51,034 | 6,475 | 57,509 | 55,773 | 8,286 | 64,059 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 1,498 | 1,359 | 2,857 | 1,623 | 1,526 | 3,149 | 1,692 | 1,484 | 3,176 |
| IAND-IIA | 25 | 235 | 260 | 25 | 242 | 267 | 27 | 259 | 286 |
| IAND-NA | 1,473 | 1,124 | 2,597 | 1,598 | 1,284 | 2,882 | 1,665 | 1,225 | 2,890 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 6,785 | 75,966 | 82,751 | 9,773 | 89,104 | 98,877 | 10,747 | 115,261 | 126,008 |
| ITC-TI | 6,622 | 74,090 | 80,712 | 9,632 | 88,058 | 97,690 | 10,592 | 114,615 | 125,207 |
| ITC-TOUR | 91 | 156 | 247 | 91 | 156 | 247 | 100 | 171 | 271 |
| ITC-GO | 72 | 1,720 | 1,792 | 50 | 890 | 940 | 55 | 475 | 530 |

TABLE 15 CONT'D

NATURAL AND HUMAN SCIENCES

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RESEARCH AND DEVELOPMENT

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------------|-----------------|-----------|-----------------|-----------------|-----------|-----------------|-----------------|-----------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | 586 | 1,540 | 2,126 | 833 | 1,548 | 2,381 | 1,048 | 2,160 | 3,208 |
| JUST-ADM | 586 | 1,540 | 2,126 | 833 | 1,548 | 2,381 | 1,048 | 2,160 | 3,208 |
| JUST-CUIO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LRC | 1,552 | 177 | 1,729 | 1,588 | 189 | 1,777 | 1,975 | 191 | 2,166 |
| LABOUR | | | | | | | | | |
| LAB | 354 | 114 | 468 | 411 | 192 | 603 | 452 | 210 | 662 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 58,572 | 26,802 | 85,374 | 63,133 | 33,458 | 96,591 | 68,597 | 39,549 | 108,146 |
| NDEF-SER | 58,572 | 26,802 | 85,374 | 63,133 | 33,458 | 96,591 | 68,597 | 39,549 | 108,146 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 10,522 | 11,722 | 22,244 | 15,286 | 13,061 | 28,347 | 18,377 | 12,663 | 31,040 |
| NHW-ADM | 1,410 | --- | 1,410 | 1,635 | --- | 1,635 | 1,660 | --- | 1,660 |
| NHW-HSS | 1,047 | 11,398 | 12,445 | 1,197 | 12,519 | 13,716 | 1,271 | 12,097 | 13,368 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 7,930 | 324 | 8,254 | 11,014 | 542 | 11,556 | 13,825 | 566 | 14,391 |
| NHW-IS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MRC | 1,272 | 66,563 | 67,835 | 1,435 | 78,032 | 79,467 | 1,608 | 84,177 | 85,785 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | 1,489 | --- | 1,489 | 1,436 | --- | 1,436 | 1,584 | --- | 1,584 |
| NREV-TAX | 1,489 | --- | 1,489 | 1,436 | --- | 1,436 | 1,584 | --- | 1,584 |
| POST OFFICE | | | | | | | | | |
| PO | 180 | 63 | 243 | 210 | 48 | 258 | 223 | 350 | 573 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | --- | 1,796 | 1,796 | --- | 549 | 549 | --- | 549 | 549 |
| COL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ECC | 6,108 | 1,217 | 7,325 | 6,486 | 533 | 7,019 | 5,950 | 490 | 6,440 |
| PUBLIC WORKS | | | | | | | | | |
| PW | 1,641 | 1,910 | 3,551 | 1,318 | 2,942 | 4,260 | 353 | 1,055 | 1,408 |
| PW-PTS | 1,641 | 1,910 | 3,551 | 1,318 | 2,942 | 4,260 | 353 | 1,055 | 1,408 |
| CMHC | 2,163 | 2,267 | 4,430 | 2,790 | 1,490 | 4,280 | 3,069 | 1,639 | 4,708 |
| NCC | 638 | --- | 638 | 661 | --- | 661 | 1,331 | --- | 1,331 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 759 | 31 | 790 | 748 | 52 | 800 | 912 | 60 | 972 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | 109,092 | 61,515 | 170,607 | 129,508 | 71,599 | 201,107 | 148,355 | 83,717 | 232,072 |
| NRC-SIR | 109,092 | 61,515 | 170,607 | 129,508 | 71,599 | 201,107 | 148,355 | 83,717 | 232,072 |
| NRC-STI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NSERC | 1,818 | 108,482 | 110,300 | 2,957 | 144,071 | 147,028 | 3,451 | 156,457 | 159,908 |
| SC | 877 | 368 | 1,245 | 1,034 | 460 | 1,494 | 1,222 | 608 | 1,830 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 2,184 | 2,811 | 4,995 | 2,378 | 3,453 | 5,831 | 2,607 | 3,292 | 5,899 |
| SECS-OL | --- | 246 | 246 | --- | 480 | 480 | --- | 509 | 509 |
| SECS-ES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-TRA | 2,184 | 476 | 2,660 | 2,378 | 476 | 2,854 | 2,607 | 500 | 3,107 |
| SECS-CIT | --- | 2,089 | 2,089 | --- | 2,497 | 2,497 | --- | 2,283 | 2,283 |
| PSC | 212 | --- | 212 | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 323 | 1,448 | 1,771 | 404 | 1,321 | 1,725 | 322 | 1,635 | 1,957 |
| SGEN-ADM | 323 | 1,448 | 1,771 | 404 | 1,321 | 1,725 | 322 | 1,635 | 1,957 |
| RCMP | --- | 31 | 31 | --- | 130 | 130 | 214 | 128 | 342 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 74 | 12,072 | 12,146 | 81 | 12,085 | 12,166 | 90 | 12,327 | 12,417 |
| SS-SUPP | 74 | 12,072 | 12,146 | 81 | 12,085 | 12,166 | 90 | 12,327 | 12,417 |
| STCAN | 3,499 | --- | 3,499 | 4,284 | --- | 4,284 | 6,463 | --- | 6,463 |
| TRANSPORT | | | | | | | | | |
| TPT | 7,250 | 6,611 | 13,861 | 9,627 | 6,956 | 16,583 | 9,885 | 9,531 | 19,416 |
| TPT-ADM | 591 | 6,407 | 6,998 | 1,287 | 6,806 | 8,093 | 1,130 | 9,281 | 10,411 |
| TPT-MAR | 3,518 | --- | 3,518 | 5,363 | --- | 5,363 | 5,788 | 50 | 5,838 |
| TPT-AIR | 3,034 | 154 | 3,188 | 2,902 | 100 | 3,002 | 2,892 | 150 | 3,042 |
| TPT-SUR | 107 | 50 | 157 | 75 | 50 | 125 | 75 | 50 | 125 |
| CTC | 729 | 366 | 1,095 | 640 | 420 | 1,060 | 729 | 366 | 1,095 |
| TREASURY BOARD | | | | | | | | | |
| TB | --- | 113 | 113 | --- | 113 | 113 | --- | 113 | 113 |
| TB-ADM | --- | 113 | 113 | --- | 113 | 113 | --- | 113 | 113 |
| TOTAL | 624,101 | 566,885 | 1,190,986 | 703,967 | 687,499 | 1,391,466 | 818,705 | 783,439 | 1,602,144 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN INDUSTRY
BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|---------------------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| AGRICULTURE | | | | | | |
| AGR | --- | 2,122 | --- | 2,390 | --- | 2,278 |
| AGR-ADM | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- |
| AGR-RI | --- | 2,122 | --- | 2,390 | --- | 2,278 |
| AGR-CGC | --- | --- | --- | --- | --- | --- |
| CDC | --- | --- | --- | --- | --- | --- |
| CLFB | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | |
| COMM | 9,536 | 4,485 | 11,158 | 8,260 | 3,962 | 9,286 |
| COMM-COMM | 9,536 | 4,485 | 11,158 | 8,260 | 3,962 | 9,286 |
| COMM-AC | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- |
| CRTC | 3 | 13 | --- | 15 | --- | --- |
| NFB | --- | --- | --- | --- | --- | --- |
| NLIB | --- | --- | --- | --- | --- | --- |
| NMUS | --- | --- | --- | --- | --- | --- |
| PA | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | |
| CCA | --- | 230 | --- | 204 | --- | 134 |
| CCA-ADM | --- | --- | --- | --- | --- | --- |
| CCA-CON | --- | 97 | --- | 124 | --- | 134 |
| CCA-COR | --- | 133 | --- | 80 | --- | --- |
| CCA-CICP | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | |
| ED | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | |
| EI | --- | 58 | --- | 7 | --- | 7 |
| EI-ADM | --- | 58 | --- | 7 | --- | 7 |
| CEIC | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | |
| EMR | 2,865 | 7,013 | 15,101 | 7,237 | 18,370 | 11,935 |
| EMR-ENER | 2,865 | 533 | 15,101 | 630 | 18,370 | 3,430 |
| EMR-MES | --- | 6,480 | --- | 6,607 | --- | 8,505 |
| AECB | --- | 116 | --- | 181 | --- | 199 |
| AECCL | --- | 9,777 | --- | 10,409 | --- | 9,818 |
| NEB | --- | --- | --- | --- | --- | --- |
| ENVIRONMENT | | | | | | |
| ENV | 2,300 | 8,094 | 2,300 | 10,083 | 2,300 | 10,902 |
| ENV-ADM | --- | --- | --- | --- | --- | --- |
| ENV-ES | 2,300 | 7,952 | 2,300 | 9,927 | 2,300 | 10,730 |
| ENV-EPS | --- | 1,750 | --- | 2,265 | --- | 2,200 |
| ENV-AES | --- | --- | --- | --- | --- | --- |
| ENV-ECS | --- | 546 | --- | 538 | --- | 655 |
| ENV-FOR | 2,300 | 5,656 | 2,300 | 7,124 | 2,300 | 7,875 |
| ENV-PC | --- | 142 | --- | 156 | --- | 172 |
| EXTERNAL AFFAIRS | | | | | | |
| EA | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- |
| CIDA | --- | --- | --- | --- | --- | --- |
| IDRC | --- | --- | --- | --- | --- | --- |
| FINANCE | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | |
| F&O | --- | 3,286 | --- | 3,350 | --- | 5,238 |
| F&O-FM | --- | 3,286 | --- | 3,350 | --- | 5,238 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | |
| IAND | --- | 220 | --- | 282 | --- | 279 |
| IAND-IIA | --- | 67 | --- | 74 | --- | 79 |
| IAND-NA | --- | 153 | --- | 208 | --- | 200 |
| INDUSTRY TRADE AND COMMERCE | | | | | | |
| ITC | 74,022 | 186 | 85,612 | 206 | 110,486 | 216 |
| ITC-TI | 72,752 | 30 | 85,162 | 50 | 110,386 | 45 |
| ITC-TOUR | --- | 156 | --- | 156 | --- | 171 |
| ITC-GO | 1,270 | --- | 450 | --- | 100 | --- |

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN INDUSTRY
BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|-----------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| JUSTICE | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- |
| JUST-CU10 | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | |
| LAB | --- | 30 | 35 | 10 | 38 | 11 |
| NATIONAL DEFENCE | | | | | | |
| NDEF | --- | 23,250 | --- | 28,819 | --- | 34,640 |
| NDEF-SER | --- | 23,250 | --- | 28,819 | --- | 34,640 |
| NATIONAL HEALTH AND WELFARE | | | | | | |
| NHW | 15 | 44 | 15 | 441 | 15 | 655 |
| NHW-ADM | --- | --- | --- | --- | --- | --- |
| NHW-HSS | --- | 19 | --- | 250 | --- | 455 |
| NHW-MS | --- | --- | --- | --- | --- | --- |
| NHW-HP | 15 | 25 | 15 | 191 | 15 | 200 |
| NHW-IS | --- | --- | --- | --- | --- | --- |
| MRC | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | |
| PO | --- | 48 | --- | 33 | --- | 345 |
| PRIVY COUNCIL | | | | | | |
| PC | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- |
| ECC | --- | 412 | --- | 296 | --- | 300 |
| PUBLIC WORKS | | | | | | |
| PW | --- | 1,815 | --- | 2,937 | --- | 1,045 |
| PW-PTS | --- | 1,815 | --- | 2,937 | --- | 1,045 |
| CMHC | 79 | 1,484 | 12 | 1,250 | 13 | 1,375 |
| NCC | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | |
| REE | --- | 31 | --- | 52 | --- | 60 |
| SCIENCE AND TECHNOLOGY | | | | | | |
| ST | --- | --- | --- | --- | --- | --- |
| NRC | 25,583 | 22,826 | 22,381 | 30,951 | 27,434 | 33,588 |
| NRC-SIR | 25,583 | 22,826 | 22,381 | 30,951 | 27,434 | 33,588 |
| NRC-STI | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- |
| SC | --- | 72 | --- | 30 | --- | 77 |
| SECRETARY OF STATE | | | | | | |
| SECS | 27 | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- |
| SECS-CIT | 27 | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | |
| SGEN | --- | 418 | --- | 342 | --- | 378 |
| SGEN-ADM | --- | 418 | --- | 342 | --- | 378 |
| RCMP | --- | 25 | --- | 95 | --- | 103 |
| SUPPLY AND SERVICES | | | | | | |
| SS | --- | 10,323 | --- | 10,274 | --- | 10,478 |
| SS-SUPP | --- | 10,323 | --- | 10,274 | --- | 10,478 |
| STCAN | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | |
| TPT | --- | 5,534 | --- | 6,811 | --- | 9,481 |
| TPT-ADM | --- | 5,424 | --- | 6,806 | --- | 9,281 |
| TPT-MAR | --- | --- | --- | --- | --- | 50 |
| TPT-AIR | --- | 116 | --- | 5 | --- | 150 |
| TPT-SUR | --- | --- | --- | --- | --- | --- |
| CTC | --- | 199 | --- | 231 | --- | 199 |
| TREASURY BOARD | | | | | | |
| TB | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- |
| TOTAL | 114,430 | 102,111 | 136,614 | 125,196 | 162,618 | 143,027 |

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN UNIVERSITIES AND NON-PROFIT INSTITUTIONS

BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|---------------------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| AGRICULTURE | | | | | | |
| AGR | 1,372 | 2,530 | 1,386 | 2,850 | 1,386 | 2,716 |
| AGR-ADM | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- |
| AGR-RI | 1,372 | 2,530 | 1,386 | 2,850 | 1,386 | 2,716 |
| AGR-CGC | --- | --- | --- | --- | --- | --- |
| CDC | --- | --- | --- | --- | --- | --- |
| CLFB | --- | 5 | --- | 17 | --- | 20 |
| COMMUNICATIONS | | | | | | |
| COMM | 2 | 800 | 25 | 950 | 25 | 950 |
| COMM-COMM | 2 | 800 | 25 | 950 | 25 | 950 |
| COMM-AC | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- |
| CRTC | 33 | 4 | 75 | --- | 75 | --- |
| MFB | --- | --- | --- | --- | --- | --- |
| MLIB | --- | --- | --- | --- | --- | --- |
| NHUS | --- | --- | --- | --- | --- | --- |
| PA | --- | --- | --- | --- | --- | --- |
| SSHRC | 14,637 | --- | 17,010 | --- | 18,375 | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | |
| CCA | --- | 102 | --- | 79 | --- | 42 |
| CCA-ADM | --- | --- | --- | --- | --- | --- |
| CCA-COM | --- | 31 | --- | 39 | --- | 42 |
| CCA-COR | --- | 71 | --- | 40 | --- | --- |
| CCA-CICP | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | |
| ED | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | |
| EI | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | |
| EMR | 1,894 | 1,052 | 1,984 | 1,418 | 1,853 | 1,134 |
| EMR-ENER | 1,304 | --- | 1,481 | --- | 1,481 | --- |
| EMR-MES | 590 | 1,052 | 503 | 1,418 | 372 | 1,134 |
| AECB | --- | 259 | --- | 312 | --- | 343 |
| AECCL | --- | 1,320 | --- | 1,309 | --- | 1,518 |
| NEB | --- | --- | --- | --- | --- | --- |
| ENVIRONMENT | | | | | | |
| ENV | 2,211 | 2,712 | 2,197 | 4,294 | 2,910 | 5,210 |
| ENV-ADM | --- | --- | --- | --- | --- | --- |
| ENV-ES | 2,211 | 2,643 | 2,197 | 4,217 | 2,910 | 5,126 |
| ENV-EPS | --- | 387 | --- | 390 | --- | 390 |
| ENV-AES | 266 | 220 | 283 | 130 | 300 | 432 |
| ENV-ECS | 253 | 235 | 252 | 233 | 252 | 283 |
| ENV-FOR | 1,692 | 1,801 | 1,662 | 3,464 | 2,358 | 4,021 |
| ENV-PC | --- | 69 | --- | 77 | --- | 84 |
| EXTERNAL AFFAIRS | | | | | | |
| EA | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- |
| CIDA | --- | --- | --- | --- | --- | --- |
| IDRC | 987 | --- | 807 | --- | 1,369 | --- |
| FINANCE | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | |
| F&O | 585 | 1,987 | 585 | 2,060 | 510 | 2,166 |
| F&O-FM | 585 | 1,987 | 585 | 2,060 | 510 | 2,166 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | |
| IAND | 510 | 487 | 578 | 453 | 578 | 412 |
| IAND-IIA | --- | 137 | --- | 137 | --- | 147 |
| IAND-NA | 510 | 350 | 578 | 316 | 578 | 265 |
| INDUSTRY TRADE AND COMMERCE | | | | | | |
| ITC | 1,368 | 5 | 2,933 | 10 | 2,383 | 76 |
| ITC-TI | 918 | 5 | 2,493 | 10 | 2,008 | 76 |
| ITC-TOUR | --- | --- | --- | --- | --- | --- |
| ITC-GO | 450 | --- | 440 | --- | 375 | --- |

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN UNIVERSITIES AND NON-PROFIT INSTITUTIONS
BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|-----------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| JUSTICE | | | | | | |
| JUST | 973 | --- | 694 | --- | 700 | --- |
| JUST-ADM | 973 | --- | 694 | --- | 700 | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | |
| LAB | 74 | 10 | 75 | 65 | 82 | 71 |
| NATIONAL DEFENCE | | | | | | |
| NDEF | --- | 2,010 | --- | 2,995 | --- | 3,164 |
| NDEF-SER | --- | 2,010 | --- | 2,995 | --- | 3,164 |
| NATIONAL HEALTH AND WELFARE | | | | | | |
| NHW | 10,231 | 245 | 11,262 | 457 | 10,580 | 504 |
| NHW-ADM | --- | --- | --- | --- | --- | --- |
| NHW-HSS | 10,201 | 81 | 11,232 | 200 | 10,550 | 235 |
| NHW-MS | --- | --- | --- | --- | --- | --- |
| NHW-HP | 30 | 164 | 30 | 257 | 30 | 269 |
| NHW-IS | --- | --- | --- | --- | --- | --- |
| MRC | 61,563 | --- | 72,143 | --- | 77,753 | --- |
| NATIONAL REVENUE | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | |
| PO | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | |
| PC | 1,522 | 274 | 549 | --- | 549 | --- |
| COL | --- | --- | --- | --- | --- | --- |
| ECC | --- | 717 | --- | 207 | --- | 165 |
| PUBLIC WORKS | | | | | | |
| PW | --- | 60 | --- | --- | --- | 10 |
| PW-PTS | --- | 60 | --- | --- | --- | 10 |
| CMHC | 5 | 313 | 23 | 97 | 25 | 107 |
| NCC | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | |
| REE | --- | --- | --- | --- | --- | --- |
| SCIENCE AND TECHNOLOGY | | | | | | |
| ST | --- | --- | --- | --- | --- | --- |
| NRC | 9,681 | 1,317 | 13,642 | 1,847 | 16,985 | 1,908 |
| NRC-SIR | 9,681 | 1,317 | 13,642 | 1,847 | 16,985 | 1,908 |
| NRC-STI | --- | --- | --- | --- | --- | --- |
| NSERC | 105,065 | --- | 137,472 | --- | 146,377 | --- |
| SC | --- | 105 | --- | 102 | --- | 156 |
| SECRETARY OF STATE | | | | | | |
| SECS | 2,301 | 476 | 2,409 | 476 | 2,224 | 500 |
| SECS-OL | 246 | --- | 480 | --- | 509 | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | 476 | --- | 476 | --- | 500 |
| SECS-CIT | 2,055 | --- | 1,929 | --- | 1,715 | --- |
| PSC | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | |
| SGEN | 300 | 496 | 350 | 410 | 350 | 649 |
| SGEN-ADM | 300 | 496 | 350 | 410 | 350 | 649 |
| RCMP | --- | 6 | --- | 35 | --- | 25 |
| SUPPLY AND SERVICES | | | | | | |
| SS | --- | 1,459 | --- | 1,663 | --- | 1,708 |
| SS-SUPP | --- | 1,459 | --- | 1,663 | --- | 1,708 |
| STCAN | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | |
| TPT | 766 | 20 | 50 | --- | 50 | --- |
| TPT-ADM | 716 | --- | --- | --- | --- | --- |
| TPT-MAR | --- | --- | --- | --- | --- | --- |
| TPT-AIR | --- | 20 | --- | --- | --- | --- |
| TPT-SUR | 50 | --- | 50 | --- | 50 | --- |
| CTC | --- | 142 | --- | 164 | --- | 142 |
| TREASURY BOARD | | | | | | |
| TB | 113 | --- | 113 | --- | 113 | --- |
| TB-ADM | 113 | --- | 113 | --- | 113 | --- |
| TOTAL | 216,193 | 18,913 | 266,362 | 22,270 | 285,252 | 23,696 |

TABLE 18

NATURAL AND HUMAN SCIENCES

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RELATED SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|-----------------|-----------------|---------|-----------------|-----------------|---------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 6,481 | 3,419 | 9,900 | 6,807 | 2,539 | 9,346 | 8,000 | 630 | 8,630 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | 3,134 | 491 | 3,625 | 3,212 | 607 | 3,819 | 3,729 | 583 | 4,312 |
| AGR-RI | 1,851 | 2,925 | 4,776 | 1,909 | 1,928 | 3,837 | 2,412 | 44 | 2,456 |
| AGR-CGC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CDC | 1,496 | 415 | 1,911 | 1,686 | 604 | 2,290 | 1,859 | 1,003 | 2,862 |
| CLFB | 17 | --- | 17 | 18 | 5 | 23 | 21 | 5 | 26 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 3,457 | 777 | 4,234 | 4,057 | 1,194 | 5,251 | 4,510 | 1,083 | 5,593 |
| COMM-COMM | 3,068 | 584 | 3,652 | 3,724 | 864 | 4,588 | 4,011 | 823 | 4,834 |
| COMM-AC | 389 | 193 | 582 | 333 | 330 | 663 | 499 | 260 | 759 |
| CBC | 1,597 | 1,751 | 3,348 | 1,647 | 2,007 | 3,654 | 1,753 | 2,221 | 3,974 |
| CRTC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NFB | 192 | 9 | 201 | 211 | 13 | 224 | 227 | 15 | 242 |
| NLIB | 14,712 | 18 | 14,730 | 17,156 | 23 | 17,179 | 21,536 | 36 | 21,572 |
| NMUS | 37,652 | 9,573 | 47,225 | 41,223 | 9,224 | 50,447 | 40,723 | 9,648 | 50,371 |
| PA | 9,320 | --- | 9,320 | 9,900 | --- | 9,900 | 12,009 | --- | 12,009 |
| SSHRC | 1,746 | 13,542 | 15,288 | 1,959 | 15,825 | 17,784 | 2,123 | 16,445 | 18,568 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 10,054 | 312 | 10,366 | 11,729 | 188 | 11,917 | 12,707 | 450 | 13,157 |
| CCA-ADM | 409 | 24 | 433 | 489 | --- | 489 | 584 | 65 | 649 |
| CCA-CON | 1,504 | --- | 1,504 | 1,678 | --- | 1,678 | 1,850 | --- | 1,850 |
| CCA-COR | 8,109 | --- | 8,109 | 9,527 | --- | 9,527 | 10,238 | --- | 10,238 |
| CCA-CICP | 32 | 288 | 320 | 35 | 188 | 223 | 35 | 385 | 420 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | 1,400 | 200 | 1,600 | 1,656 | 150 | 1,806 | 2,049 | 150 | 2,199 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 7,141 | 770 | 7,911 | 7,173 | 828 | 8,001 | 7,601 | 878 | 8,479 |
| EI-ADM | 7,141 | 770 | 7,911 | 7,173 | 828 | 8,001 | 7,601 | 878 | 8,479 |
| CEIC | 4,280 | 1,520 | 5,800 | 4,573 | 3,185 | 7,758 | 4,995 | 3,376 | 8,371 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| ENR | 33,669 | 4,114 | 37,783 | 32,934 | 4,918 | 37,852 | 40,265 | 4,895 | 45,160 |
| ENR-ENER | 1,412 | 440 | 1,852 | 1,778 | 590 | 2,368 | 2,916 | 720 | 3,636 |
| ENR-MES | 32,257 | 3,674 | 35,931 | 31,156 | 4,328 | 35,484 | 37,349 | 4,175 | 41,524 |
| AECB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AECCL | 3,501 | 10,035 | 13,536 | 3,822 | 11,649 | 15,471 | 4,329 | 13,920 | 18,249 |
| NEB | 1,781 | --- | 1,781 | 1,890 | --- | 1,890 | 2,089 | --- | 2,089 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 140,798 | 8,699 | 149,497 | 157,982 | 9,321 | 167,303 | 180,891 | 10,749 | 191,640 |
| ENV-ADM | 1,090 | --- | 1,090 | 1,441 | --- | 1,441 | 1,497 | --- | 1,497 |
| ENV-ES | 128,939 | 8,425 | 137,364 | 144,695 | 9,021 | 153,716 | 166,363 | 10,418 | 176,781 |
| ENV-EPS | 2,469 | 290 | 2,759 | 2,668 | 303 | 2,971 | 2,535 | 287 | 2,822 |
| ENV-AES | 87,949 | 3,231 | 91,180 | 101,930 | 3,659 | 105,589 | 116,085 | 3,975 | 120,060 |
| ENV-ECS | 34,855 | 4,904 | 39,759 | 35,597 | 5,059 | 40,656 | 43,155 | 6,156 | 49,311 |
| ENV-FOR | 3,666 | --- | 3,666 | 4,500 | --- | 4,500 | 4,588 | --- | 4,588 |
| ENV-FC | 10,769 | 274 | 11,043 | 11,846 | 300 | 12,146 | 13,031 | 331 | 13,362 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | 3,618 | 1,410 | 5,028 | 3,900 | 1,612 | 5,512 | 4,414 | 1,762 | 6,176 |
| EA-CIA | 3,618 | 1,410 | 5,028 | 3,900 | 1,612 | 5,512 | 4,414 | 1,762 | 6,176 |
| CIDA | 1,506 | 24,979 | 26,485 | 1,668 | 25,369 | 27,037 | 1,929 | 28,362 | 30,291 |
| IDRC | 4,217 | 1,751 | 5,968 | 5,373 | 2,235 | 7,608 | 6,149 | 2,550 | 8,699 |
| FINANCE | | | | | | | | | |
| FIN | 8,114 | --- | 8,114 | 9,507 | --- | 9,507 | 11,001 | --- | 11,001 |
| FIN-FEP | 8,114 | --- | 8,114 | 9,507 | --- | 9,507 | 11,001 | --- | 11,001 |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 53,888 | 3,476 | 57,364 | 56,053 | 2,841 | 58,894 | 51,316 | 4,460 | 55,776 |
| F&O-FM | 53,888 | 3,476 | 57,364 | 56,053 | 2,841 | 58,894 | 51,316 | 4,460 | 55,776 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 1,575 | 1,584 | 3,159 | 1,794 | 1,563 | 3,357 | 1,970 | 1,884 | 3,854 |
| IAND-IIA | 75 | 1,353 | 1,428 | 80 | 1,358 | 1,438 | 85 | 1,441 | 1,526 |
| IAND-NA | 1,500 | 231 | 1,731 | 1,714 | 205 | 1,919 | 1,885 | 443 | 2,328 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 113 | 597 | 710 | 118 | 919 | 1,037 | 133 | 911 | 1,044 |
| ITC-TI | 15 | 597 | 612 | 20 | 919 | 939 | 25 | 911 | 936 |
| ITC-TOUR | 98 | --- | 98 | 98 | --- | 98 | 108 | --- | 108 |
| ITC-GO | --- | --- | --- | --- | --- | --- | --- | --- | --- |

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RELATED SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------------|-----------------|---------|-----------------|-----------------|---------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | 1,656 | 386 | 2,042 | 1,914 | 499 | 2,413 | 2,581 | 526 | 3,107 |
| JUST-ADM | 327 | 386 | 713 | 362 | 499 | 861 | 481 | 526 | 1,007 |
| JUST-CUIO | 1,329 | --- | 1,329 | 1,552 | --- | 1,552 | 2,100 | --- | 2,100 |
| CHRC | 202 | --- | 202 | 230 | --- | 230 | 255 | --- | 255 |
| LRC | 311 | 288 | 599 | 374 | 471 | 845 | 459 | 677 | 1,136 |
| LABOUR | | | | | | | | | |
| LRC | 2,661 | 96 | 2,757 | 3,035 | 175 | 3,210 | 3,338 | 191 | 3,529 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 1,674 | 87 | 1,761 | 1,776 | 125 | 1,901 | 1,924 | 163 | 2,087 |
| NDEF-SER | 1,674 | 87 | 1,761 | 1,776 | 125 | 1,901 | 1,924 | 163 | 2,087 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 30,295 | 5,461 | 35,756 | 31,730 | 6,158 | 37,888 | 36,261 | 6,774 | 43,035 |
| NHW-ADM | 2,807 | 1,070 | 3,877 | 3,235 | 1,570 | 4,805 | 3,540 | 2,070 | 5,610 |
| NHW-HSS | 507 | 3,570 | 4,077 | 917 | 3,578 | 4,495 | 755 | 3,651 | 4,406 |
| NHW-MS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HP | 26,494 | 821 | 27,315 | 27,047 | 1,010 | 28,057 | 31,436 | 1,053 | 32,489 |
| NHW-IS | 487 | --- | 487 | 531 | --- | 531 | 530 | --- | 530 |
| NRC | 109 | 2,113 | 2,222 | 121 | 2,443 | 2,564 | 139 | 2,666 | 2,805 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | 2,679 | --- | 2,679 | 3,821 | --- | 3,821 | 4,548 | --- | 4,548 |
| NREV-TAX | 2,679 | --- | 2,679 | 3,821 | --- | 3,821 | 4,548 | --- | 4,548 |
| POST OFFICE | | | | | | | | | |
| PO | 386 | 3 | 389 | 274 | 26 | 300 | 574 | --- | 574 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | 6 | --- | 6 | --- | --- | --- | --- | --- | --- |
| COL | 859 | --- | 859 | 975 | --- | 975 | 1,172 | --- | 1,172 |
| ECC | 844 | 672 | 1,516 | 1,011 | --- | 1,011 | 952 | --- | 952 |
| PUBLIC WORKS | | | | | | | | | |
| PW | 1,436 | 760 | 2,196 | 2,626 | 1,424 | 4,050 | 5,158 | 1,091 | 6,249 |
| PW-PTS | 1,436 | 760 | 2,196 | 2,626 | 1,424 | 4,050 | 5,158 | 1,091 | 6,249 |
| CMHC | 4,223 | 2,329 | 6,552 | 4,830 | 2,791 | 7,621 | 5,313 | 3,437 | 8,750 |
| HCC | 495 | --- | 495 | 430 | --- | 430 | 582 | --- | 582 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | --- | 2,227 | 2,227 | --- | 3,866 | 3,866 | --- | 7,861 | 7,861 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | 5,156 | 536 | 5,692 | 5,973 | 570 | 6,543 | 7,410 | 2,289 | 9,699 |
| NRC | 29,261 | 1,541 | 30,802 | 34,014 | 2,270 | 36,284 | 39,259 | 2,817 | 42,076 |
| NRC-SIR | 15,693 | 1,541 | 17,234 | 17,807 | 2,270 | 20,077 | 20,099 | 2,751 | 22,850 |
| NRC-STI | 13,568 | --- | 13,568 | 16,207 | --- | 16,207 | 19,160 | 66 | 19,226 |
| NSERC | 455 | 10,293 | 10,748 | 740 | 15,436 | 16,176 | 861 | 21,247 | 22,108 |
| SC | 1,236 | --- | 1,236 | 1,511 | --- | 1,511 | 1,712 | --- | 1,712 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 2,133 | 657 | 2,790 | 2,380 | 982 | 3,362 | 2,281 | 1,251 | 3,532 |
| SECS-OL | 36 | 35 | 71 | 71 | 302 | 373 | 91 | 216 | 307 |
| SECS-ES | 129 | --- | 129 | 155 | --- | 155 | 177 | --- | 177 |
| SECS-TRA | 1,899 | 290 | 2,189 | 2,081 | 290 | 2,371 | 1,936 | 290 | 2,226 |
| SECS-CIT | 69 | 332 | 401 | 73 | 390 | 463 | 77 | 745 | 822 |
| 7SC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 550 | 164 | 714 | 710 | 256 | 966 | 548 | 247 | 795 |
| SGEN-ADM | 550 | 164 | 714 | 710 | 256 | 966 | 548 | 247 | 795 |
| SCMP | --- | --- | --- | --- | --- | --- | 50 | --- | 50 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 17 | 2,753 | 2,770 | 19 | 2,790 | 2,809 | 20 | 2,673 | 2,693 |
| SS-SUPP | 17 | 2,753 | 2,770 | 19 | 2,790 | 2,809 | 20 | 2,673 | 2,693 |
| STCAN | 118,626 | 31 | 118,657 | 143,956 | 31 | 143,987 | 223,456 | 34 | 223,490 |
| TRANSPORT | | | | | | | | | |
| TPT | 10,570 | 3,243 | 13,813 | 8,960 | 3,695 | 12,655 | 7,052 | 3,493 | 10,545 |
| TPT-ADM | 212 | 974 | 1,186 | 225 | 1,093 | 1,318 | 220 | 1,043 | 1,263 |
| TPT-MAR | 6,412 | --- | 6,412 | 5,593 | --- | 5,593 | 5,354 | --- | 5,354 |
| TPT-AIR | 427 | 2,269 | 2,696 | 2,723 | 2,602 | 5,325 | 1,477 | 2,450 | 3,927 |
| TPT-SUR | 3,519 | --- | 3,519 | 419 | --- | 419 | 1 | --- | 1 |
| CTC | 1,505 | 118 | 1,623 | 1,300 | 96 | 1,396 | 1,532 | 118 | 1,650 |
| TREASURY BOARD | | | | | | | | | |
| TB | 9,933 | --- | 9,933 | 11,673 | --- | 11,673 | 12,814 | --- | 12,814 |
| TB-ADM | 9,933 | --- | 9,933 | 11,673 | --- | 11,673 | 12,814 | --- | 12,814 |
| TOTAL | 578,107 | 122,706 | 700,813 | 647,533 | 140,312 | 787,845 | 782,991 | 162,985 | 945,976 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1979-80

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|---------------------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| AGRICULTURE | | | | | | | | |
| AGR | 5 | 1,033 | 127 | 1,066 | 458 | 1,368 | --- | 4,057 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | 32 | 26 | 7 | 52 | --- | --- | 117 |
| AGR-RI | 5 | 930 | 99 | 943 | 393 | 1,330 | --- | 3,700 |
| AGR-CGC | --- | 51 | 1 | 57 | 4 | 35 | --- | 148 |
| CDC | --- | 20 | 1 | 59 | 9 | 3 | --- | 92 |
| CLFB | 0 | 1 | --- | --- | 1 | --- | --- | 2 |
| COMMUNICATIONS | | | | | | | | |
| COMM | 17 | 234 | 74 | 149 | 109 | 66 | --- | 649 |
| COMM-COMM | 17 | 227 | 73 | 149 | 108 | 66 | --- | 640 |
| COMM-AC | --- | 7 | 1 | --- | 1 | --- | --- | 9 |
| CBC | 4 | 19 | 1 | 31 | 2 | --- | --- | 57 |
| CRTC | --- | 2 | 5 | 4 | 5 | --- | --- | 16 |
| NFB | --- | 3 | --- | 9 | 1 | --- | --- | 13 |
| NLIB | 3 | 182 | 35 | 46 | 231 | 3 | --- | 500 |
| NMUS | 8 | 102 | 204 | 281 | 161 | 257 | --- | 1,013 |
| PA | --- | 114 | 7 | 72 | 78 | --- | --- | 271 |
| SSHRC | 4 | 1 | 48 | --- | 52 | --- | --- | 105 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | |
| CCA | 5 | 216 | 24 | 26 | 176 | 3 | --- | 450 |
| CCA-ADM | 3 | 5 | 2 | 1 | 3 | --- | --- | 14 |
| CCA-COM | 1 | 21 | 9 | 25 | 8 | 3 | --- | 67 |
| CCA-COR | 1 | 179 | 13 | --- | 162 | --- | --- | 355 |
| CCA-CICP | --- | 11 | --- | --- | 3 | --- | --- | 14 |
| ECONOMIC DEVELOPMENT | | | | | | | | |
| ED | 13 | 8 | 5 | --- | 5 | --- | --- | 31 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | |
| EI | 6 | 85 | 9 | 26 | 61 | --- | --- | 187 |
| EI-ADM | 6 | 85 | 9 | 26 | 61 | --- | --- | 187 |
| CEIC | --- | 89 | 8 | 11 | 66 | --- | --- | 174 |
| ENERGY MINES & RESOURCES | | | | | | | | |
| EMR | 10 | 951 | 60 | 880 | 313 | 189 | --- | 2,403 |
| EMR-ENER | 3 | 42 | --- | --- | 1 | --- | --- | 46 |
| EMR-MES | 7 | 909 | 60 | 880 | 312 | 189 | --- | 2,357 |
| AECB | --- | 6 | --- | --- | 1 | --- | --- | 7 |
| AECCL | 16 | 613 | --- | 800 | 324 | 569 | --- | 2,322 |
| NEB | 1 | 37 | 1 | 10 | 13 | --- | --- | 62 |
| ENVIRONMENT | | | | | | | | |
| ENV | 25 | 1,641 | 387 | 2,041 | 696 | 131 | --- | 4,921 |
| ENV-ADM | --- | 14 | 12 | --- | 15 | --- | --- | 41 |
| ENV-ES | 25 | 1,553 | 368 | 1,967 | 648 | 126 | --- | 4,688 |
| ENV-EPS | 2 | 78 | 3 | 55 | 15 | 10 | --- | 162 |
| ENV-AES | 5 | 656 | 165 | 1,145 | 342 | 39 | --- | 2,352 |
| ENV-ECS | 8 | 355 | 167 | 256 | 286 | 77 | --- | 1,149 |
| ENV-FOR | 11 | 465 | 33 | 511 | 5 | --- | --- | 1,025 |
| ENV-PC | --- | 73 | 7 | 74 | 33 | 5 | --- | 192 |
| EXTERNAL AFFAIRS | | | | | | | | |
| EA | --- | 4 | 68 | --- | 38 | --- | --- | 110 |
| EA-CIA | --- | 4 | 68 | --- | 38 | --- | --- | 110 |
| CIDA | 1 | 9 | 26 | 3 | 17 | --- | --- | 56 |
| IDRC | 7 | 67 | 16 | 48 | 80 | --- | --- | 217 |
| FINANCE | | | | | | | | |
| FIN | 8 | 120 | 20 | 22 | 43 | --- | --- | 212 |
| FIN-FEP | 8 | 120 | 20 | 22 | 43 | --- | --- | 212 |
| FISHERIES AND OCEANS | | | | | | | | |
| F&O | 5 | 868 | 90 | 763 | 147 | 249 | --- | 2,122 |
| F&O-FM | 5 | 868 | 90 | 763 | 147 | 249 | --- | 2,122 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | |
| IAND | 1 | 69 | 10 | 12 | 7 | 3 | --- | 100 |
| IAND-IIA | --- | 2 | 2 | 1 | 0 | --- | --- | 5 |
| IAND-NA | 1 | 67 | 8 | 11 | 7 | 3 | --- | 96 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | |
| ITC | --- | 5 | 180 | 1 | 88 | 1 | --- | 275 |
| ITC-TI | --- | 5 | 174 | 1 | 88 | --- | --- | 268 |
| ITC-TOUR | --- | --- | 3 | --- | --- | 1 | --- | 4 |
| ITC-GO | --- | --- | 3 | --- | --- | --- | --- | 3 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1979-80

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-----------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|--------|
| JUSTICE | | | | | | | | |
| JUST | 2 | 14 | 9 | 1 | 23 | --- | --- | 49 |
| JUST-ADM | --- | 14 | 4 | 1 | 17 | --- | --- | 36 |
| JUST-CUIO | 2 | --- | 5 | --- | 6 | --- | --- | 13 |
| CHRC | --- | 1 | 2 | --- | 2 | --- | --- | 5 |
| LRC | 3 | 1 | 4 | --- | 29 | --- | --- | 37 |
| LABOUR | | | | | | | | |
| LAB | 1 | 24 | 28 | 19 | 36 | --- | --- | 107 |
| NATIONAL DEFENCE | | | | | | | | |
| NDEF | 12 | 541 | 102 | 502 | 274 | 271 | 193 | 1,895 |
| NDEF-SER | 12 | 541 | 102 | 502 | 274 | 271 | 193 | 1,895 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | |
| NHW | 13 | 566 | 53 | 273 | 253 | 29 | --- | 1,186 |
| NHW-ADM | 5 | 47 | 15 | 16 | 28 | --- | --- | 111 |
| NHW-HSS | 2 | 20 | 12 | 1 | 17 | --- | --- | 51 |
| NHW-MS | --- | 2 | --- | --- | 1 | --- | --- | 3 |
| NHW-HP | 5 | 492 | 21 | 252 | 205 | 29 | --- | 1,004 |
| NHW-IS | 1 | 6 | 5 | 4 | 3 | --- | --- | 17 |
| MRC | 6 | 2 | 8 | --- | 24 | --- | --- | 40 |
| NATIONAL REVENUE | | | | | | | | |
| NREV | 2 | 27 | 68 | 2 | 71 | --- | --- | 170 |
| NREV-TAX | 2 | 27 | 68 | 2 | 71 | --- | --- | 170 |
| POST OFFICE | | | | | | | | |
| PO | 2 | 10 | 2 | 6 | 5 | --- | --- | 25 |
| PRIVY COUNCIL | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | 1 | --- | 24 | --- | 5 | --- | --- | 30 |
| ECC | 4 | 94 | 37 | 14 | 79 | --- | --- | 228 |
| PUBLIC WORKS | | | | | | | | |
| PW | --- | 41 | 7 | 9 | 1 | --- | --- | 58 |
| PW-PTS | --- | 41 | 7 | 9 | 1 | --- | --- | 58 |
| CMHC | 10 | 59 | 2 | 51 | 25 | --- | --- | 147 |
| NCC | 3 | 18 | 1 | 14 | 4 | 6 | --- | 46 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | |
| REE | 1 | 12 | 1 | 3 | 7 | --- | --- | 23 |
| SCIENCE AND TECHNOLOGY | | | | | | | | |
| ST | 21 | 11 | 76 | 5 | 47 | 2 | --- | 162 |
| NRC | 5 | 1,092 | 208 | 981 | 582 | 292 | --- | 3,160 |
| NRC-SIR | 5 | 1,040 | 170 | 980 | 462 | 288 | --- | 2,945 |
| NRC-STI | --- | 52 | 38 | 1 | 120 | 4 | --- | 215 |
| NSERC | 4 | 2 | 23 | --- | 32 | --- | --- | 61 |
| SC | 3 | 13 | 12 | 13 | 22 | --- | --- | 63 |
| SECRETARY OF STATE | | | | | | | | |
| SECS | --- | 3 | 143 | 2 | 57 | --- | --- | 205 |
| SECS-OL | --- | 1 | --- | --- | --- | --- | --- | 1 |
| SECS-ES | --- | 2 | 1 | --- | 1 | --- | --- | 4 |
| SECS-TRA | --- | --- | 141 | --- | 56 | --- | --- | 197 |
| SECS-CIT | --- | --- | 1 | 2 | --- | --- | --- | 3 |
| PSC | --- | 4 | 1 | --- | 1 | --- | --- | 6 |
| SOLICITOR GENERAL | | | | | | | | |
| SGEN | --- | 30 | 3 | --- | 10 | 1 | --- | 44 |
| SGEN-ADM | --- | 30 | 3 | --- | 10 | 1 | --- | 44 |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | |
| SS | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| SS-SUPP | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| STCAN | 28 | 763 | 668 | 725 | 2,311 | 39 | --- | 4,534 |
| TRANSPORT | | | | | | | | |
| TPT | 2 | 179 | 0 | 12 | 3 | 12 | --- | 207 |
| TPT-ADM | 0 | 54 | --- | 0 | 0 | 0 | --- | 55 |
| TPT-MAR | 1 | 6 | --- | 7 | 2 | 12 | --- | 28 |
| TPT-AIR | 1 | 116 | 0 | 4 | 1 | --- | --- | 122 |
| TPT-SUR | --- | 2 | --- | --- | --- | --- | --- | 2 |
| CTC | 2 | 50 | 1 | 12 | 16 | --- | --- | 81 |
| TREASURY BOARD | | | | | | | | |
| TB | 19 | 18 | 135 | 2 | 45 | --- | --- | 219 |
| TB-ADM | 19 | 18 | 135 | 2 | 45 | --- | --- | 219 |
| TOTAL | 283 | 10,053 | 3,023 | 8,945 | 7,136 | 3,491 | 193 | 33,124 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1980-81

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|---------------------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| AGRICULTURE | | | | | | | | |
| AGR | 5 | 1,057 | 130 | 1,057 | 439 | 1,365 | --- | 4,053 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | 38 | 28 | 4 | 49 | --- | --- | 119 |
| AGR-RI | 5 | 949 | 100 | 938 | 377 | 1,327 | --- | 3,696 |
| AGR-CGC | --- | 50 | 1 | 56 | 4 | 35 | --- | 146 |
| CDC | --- | 20 | 1 | 59 | 9 | 3 | --- | 92 |
| CLFR | 0 | 1 | --- | --- | 1 | --- | --- | 2 |
| COMMUNICATIONS | | | | | | | | |
| COMM | 17 | 246 | 75 | 152 | 115 | 66 | --- | 671 |
| COMM-COMM | 17 | 239 | 74 | 152 | 113 | 66 | --- | 661 |
| COMM-AC | --- | 7 | 1 | --- | 2 | --- | --- | 10 |
| CBC | 4 | 19 | 1 | 31 | 2 | --- | --- | 57 |
| CRTC | --- | 2 | 5 | 4 | 6 | --- | --- | 17 |
| NFB | --- | 3 | --- | 8 | 1 | --- | --- | 12 |
| NLIB | 2 | 192 | 38 | 46 | 220 | 2 | --- | 500 |
| NMUS | 8 | 102 | 204 | 281 | 161 | 250 | --- | 1,006 |
| PA | --- | 113 | 3 | 68 | 82 | --- | --- | 266 |
| SSHRC | 4 | 2 | 50 | --- | 49 | --- | --- | 105 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | |
| CCA | 5 | 213 | 19 | 26 | 173 | 3 | --- | 439 |
| CCA-ADM | 3 | 5 | 2 | --- | 3 | --- | --- | 13 |
| CCA-CON | 1 | 25 | 10 | 26 | 10 | 3 | --- | 75 |
| CCA-COR | 1 | 172 | 7 | --- | 157 | --- | --- | 337 |
| CCA-CICP | --- | 11 | --- | --- | 3 | --- | --- | 14 |
| ECONOMIC DEVELOPMENT | | | | | | | | |
| ED | 14 | 14 | 3 | 1 | 10 | --- | --- | 42 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | |
| EI | 6 | 79 | 9 | 26 | 61 | --- | --- | 181 |
| EI-ADM | 6 | 79 | 9 | 26 | 61 | --- | --- | 181 |
| CEIC | --- | 86 | 9 | 11 | 58 | --- | --- | 164 |
| ENERGY MINES & RESOURCES | | | | | | | | |
| EMR | 10 | 972 | 62 | 871 | 309 | 168 | --- | 2,392 |
| EMR-ENER | 3 | 45 | --- | --- | 1 | --- | --- | 49 |
| EMR-MES | 7 | 927 | 62 | 871 | 308 | 168 | --- | 2,343 |
| AECB | --- | 6 | --- | --- | 1 | --- | --- | 7 |
| AECL | 17 | 643 | --- | 818 | 325 | 569 | --- | 2,372 |
| NEB | 1 | 38 | 1 | 7 | 10 | --- | --- | 57 |
| ENVIRONMENT | | | | | | | | |
| ENV | 28 | 1,636 | 385 | 2,030 | 703 | 131 | --- | 4,913 |
| ENV-ADM | --- | 15 | 13 | --- | 24 | --- | --- | 51 |
| ENV-ES | 28 | 1,547 | 366 | 1,956 | 646 | 126 | --- | 4,668 |
| ENV-EPS | 2 | 78 | 3 | 55 | 15 | 10 | --- | 162 |
| ENV-AES | 5 | 650 | 164 | 1,136 | 339 | 39 | --- | 2,333 |
| ENV-ECS | 8 | 354 | 167 | 256 | 286 | 77 | --- | 1,148 |
| ENV-FOR | 13 | 465 | 32 | 509 | 6 | --- | --- | 1,025 |
| ENV-PC | --- | 75 | 7 | 74 | 33 | 5 | --- | 194 |
| EXTERNAL AFFAIRS | | | | | | | | |
| EA | --- | 7 | 75 | --- | 36 | --- | --- | 118 |
| EA-CIA | --- | 7 | 75 | --- | 36 | --- | --- | 118 |
| CIDA | 1 | 8 | 26 | 3 | 18 | --- | --- | 56 |
| IDRC | 7 | 69 | 17 | 54 | 81 | --- | --- | 227 |
| FINANCE | | | | | | | | |
| FIN | 10 | 135 | 19 | 21 | 38 | --- | --- | 223 |
| FIN-FEP | 10 | 135 | 19 | 21 | 38 | --- | --- | 223 |
| FISHERIES AND OCEANS | | | | | | | | |
| F&O | 5 | 868 | 90 | 784 | 147 | 249 | --- | 2,143 |
| F&O-FM | 5 | 868 | 90 | 784 | 147 | 249 | --- | 2,143 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | |
| IAND | 1 | 68 | 10 | 11 | 5 | 4 | --- | 97 |
| IAND-IIA | --- | 2 | 2 | 1 | 0 | --- | --- | 5 |
| IAND-NA | 1 | 67 | 8 | 10 | 5 | 4 | --- | 93 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | |
| ITC | --- | 5 | 226 | 1 | 111 | 1 | --- | 344 |
| ITC-TI | --- | 5 | 220 | 1 | 111 | --- | --- | 337 |
| ITC-TOUR | --- | --- | 3 | --- | --- | 1 | --- | 4 |
| ITC-GO | --- | --- | 3 | --- | --- | --- | --- | 3 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1980-81

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-----------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|--------|
| JUSTICE | | | | | | | | |
| JUST | 1 | 15 | 10 | --- | 21 | --- | --- | 47 |
| JUST-ADM | --- | 15 | 4 | --- | 16 | --- | --- | 35 |
| JUST-CUIO | 1 | --- | 6 | --- | 5 | --- | --- | 12 |
| CMRC | --- | 1 | 2 | --- | 2 | --- | --- | 5 |
| LRC | 3 | 1 | 4 | --- | 28 | --- | --- | 36 |
| LABOUR | | | | | | | | |
| LMB | 3 | 24 | 30 | 20 | 36 | --- | --- | 112 |
| NATIONAL DEFENCE | | | | | | | | |
| NDEF | 12 | 577 | 102 | 504 | 273 | 268 | 198 | 1,934 |
| NDEF-SER | 12 | 577 | 102 | 504 | 273 | 268 | 198 | 1,934 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | |
| NHM | 13 | 671 | 56 | 359 | 252 | 30 | --- | 1,380 |
| NHW-ADM | 5 | 47 | 15 | 16 | 28 | --- | --- | 111 |
| NHW-HSS | 3 | 24 | 14 | 1 | 18 | --- | --- | 59 |
| NHW-MS | --- | 25 | --- | --- | 6 | --- | --- | 31 |
| NHW-HP | 5 | 570 | 22 | 338 | 197 | 30 | --- | 1,162 |
| NHW-IS | 1 | 6 | 5 | 4 | 3 | --- | --- | 17 |
| NRC | 5 | 2 | 8 | --- | 24 | --- | --- | 39 |
| NATIONAL REVENUE | | | | | | | | |
| NREV | 2 | 31 | 65 | 4 | 88 | --- | --- | 190 |
| NREV-TAX | 2 | 31 | 65 | 4 | 88 | --- | --- | 190 |
| POST OFFICE | | | | | | | | |
| PO | 2 | 11 | 2 | 3 | 8 | --- | --- | 26 |
| PRIVY COUNCIL | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | 1 | --- | 25 | --- | 4 | --- | --- | 30 |
| DOC | 3 | 66 | 20 | 11 | 57 | --- | --- | 157 |
| PUBLIC WORKS | | | | | | | | |
| PW | --- | 45 | 7 | 9 | 1 | --- | --- | 63 |
| PW-PTS | --- | 45 | 7 | 9 | 1 | --- | --- | 63 |
| CMHC | 10 | 61 | 2 | 61 | 25 | --- | --- | 159 |
| NRC | 2 | 14 | 1 | 12 | 3 | 5 | --- | 37 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | |
| REE | 1 | 12 | 3 | 3 | 8 | --- | --- | 26 |
| SCIENCE AND TECHNOLOGY | | | | | | | | |
| ST | 21 | 11 | 69 | 5 | 48 | 2 | --- | 156 |
| NRC | 5 | 1,095 | 206 | 981 | 551 | 287 | --- | 3,125 |
| NRC-SIR | 5 | 1,036 | 174 | 980 | 435 | 283 | --- | 2,913 |
| NRC-STI | --- | 59 | 32 | 1 | 116 | 4 | --- | 212 |
| NSERC | 4 | 1 | 29 | --- | 41 | --- | --- | 75 |
| ST | 3 | 16 | 19 | 5 | 21 | --- | --- | 64 |
| SECRETARY OF STATE | | | | | | | | |
| SECS | --- | 3 | 133 | 2 | 54 | --- | --- | 192 |
| SECS-OL | --- | 1 | --- | --- | --- | --- | --- | 1 |
| SECS-ES | --- | 2 | 1 | --- | 1 | --- | --- | 4 |
| SECS-TRA | --- | --- | 131 | --- | 53 | --- | --- | 184 |
| SECS-CIT | --- | --- | 1 | 2 | --- | --- | --- | 3 |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | |
| SGEN | --- | 30 | 3 | --- | 10 | 1 | --- | 44 |
| SGEN-ADM | --- | 30 | 3 | --- | 10 | 1 | --- | 44 |
| SCMP | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | |
| SS | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| SS-SUPP | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| STCAN | 29 | 739 | 769 | 720 | 2,303 | 59 | --- | 4,619 |
| TRANSPORT | | | | | | | | |
| TPT | 5 | 141 | 8 | 49 | 9 | 29 | --- | 241 |
| TPT-ADM | 0 | 47 | --- | 0 | 0 | 0 | --- | 48 |
| TPT-MAR | 1 | 5 | --- | 7 | 3 | 12 | --- | 27 |
| TPT-AIR | 4 | 88 | 7 | 42 | 7 | 17 | --- | 164 |
| TPT-SUR | --- | 1 | 0 | 0 | --- | --- | --- | 2 |
| CTC | 2 | 40 | 1 | 10 | 15 | --- | --- | 68 |
| TREASURY BOARD | | | | | | | | |
| TB | 27 | 23 | 139 | 3 | 40 | --- | --- | 232 |
| TB-ADM | 27 | 23 | 139 | 3 | 40 | --- | --- | 232 |
| TOTAL | 298 | 10,214 | 3,171 | 9,070 | 7,084 | 3,489 | 198 | 33,524 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1981-82

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|---------------------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| AGRICULTURE | | | | | | | | |
| AGR | 6 | 1,073 | 132 | 1,047 | 440 | 1,377 | --- | 4,075 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | 37 | 28 | 7 | 47 | --- | --- | 119 |
| AGR-RI | 6 | 965 | 102 | 924 | 379 | 1,339 | --- | 3,715 |
| AGR-CGC | --- | 51 | 1 | 58 | 4 | 35 | --- | 149 |
| CDC | --- | 20 | 1 | 58 | 10 | 3 | --- | 92 |
| CLFB | 0 | 1 | --- | --- | 1 | --- | --- | 2 |
| COMMUNICATIONS | | | | | | | | |
| COMM | 17 | 235 | 75 | 149 | 109 | 66 | --- | 651 |
| COMM-COMM | 17 | 228 | 74 | 149 | 108 | 66 | --- | 642 |
| COMM-AC | --- | 7 | 1 | --- | 1 | --- | --- | 9 |
| CBC | 4 | 19 | 1 | 30 | 2 | --- | --- | 56 |
| ERTC | --- | 2 | 5 | 4 | 5 | --- | --- | 16 |
| NFB | --- | 2 | --- | 7 | 1 | --- | --- | 10 |
| NLIB | 2 | 199 | 41 | 39 | 234 | 2 | --- | 517 |
| NMUS | 9 | 103 | 195 | 270 | 176 | 222 | --- | 975 |
| PA | --- | 117 | 3 | 76 | 81 | 2 | --- | 279 |
| PSHRC | 4 | 2 | 50 | --- | 49 | --- | --- | 105 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | |
| CCA | 6 | 194 | 35 | 29 | 186 | 3 | --- | 453 |
| CCA-ADM | 3 | 5 | 6 | --- | 3 | --- | --- | 17 |
| CCA-COM | 2 | 20 | 10 | 29 | 13 | 3 | --- | 77 |
| CCA-COR | 1 | 158 | 19 | --- | 167 | --- | --- | 345 |
| CCA-CICP | --- | 11 | --- | --- | 3 | --- | --- | 14 |
| ECONOMIC DEVELOPMENT | | | | | | | | |
| ED | 14 | 14 | 3 | 1 | 10 | --- | --- | 42 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | |
| EI | 6 | 79 | 9 | 26 | 61 | --- | --- | 181 |
| EI-ADM | 6 | 79 | 9 | 26 | 61 | --- | --- | 181 |
| CEIC | --- | 86 | 9 | 11 | 58 | --- | --- | 164 |
| ENERGY MINES & RESOURCES | | | | | | | | |
| EMR | 11 | 1,071 | 66 | 822 | 302 | 169 | --- | 2,441 |
| EMR-ENER | 4 | 129 | --- | --- | 1 | --- | --- | 134 |
| EMR-MES | 7 | 942 | 66 | 822 | 301 | 169 | --- | 2,307 |
| RECB | --- | 6 | --- | --- | 1 | --- | --- | 7 |
| RECL | 17 | 666 | --- | 834 | 334 | 576 | --- | 2,427 |
| REB | 1 | 39 | 1 | 7 | 10 | --- | --- | 58 |
| ENVIRONMENT | | | | | | | | |
| ENV | 42 | 1,643 | 381 | 2,045 | 692 | 133 | --- | 4,935 |
| ENV-ADM | 13 | 15 | --- | 16 | 4 | --- | --- | 47 |
| ENV-ES | 29 | 1,551 | 374 | 1,955 | 655 | 127 | --- | 4,691 |
| ENV-EPS | 2 | 77 | 3 | 55 | 15 | 10 | --- | 161 |
| ENV-AES | 5 | 651 | 171 | 1,130 | 348 | 40 | --- | 2,345 |
| ENV-ECS | 8 | 354 | 167 | 256 | 286 | 77 | --- | 1,148 |
| ENV-FOR | 14 | 469 | 33 | 514 | 6 | --- | --- | 1,037 |
| ENV-PC | --- | 77 | 7 | 74 | 33 | 6 | --- | 197 |
| EXTERNAL AFFAIRS | | | | | | | | |
| EA | --- | 7 | 72 | --- | 38 | --- | --- | 117 |
| EA-CIA | --- | 7 | 72 | --- | 38 | --- | --- | 117 |
| CIDA | 1 | 8 | 27 | 3 | 18 | --- | --- | 57 |
| IBRC | 7 | 76 | 17 | 53 | 86 | --- | --- | 238 |
| FINANCE | | | | | | | | |
| FIN | 11 | 145 | 21 | 24 | 35 | --- | --- | 236 |
| FIN-FEP | 11 | 145 | 21 | 24 | 35 | --- | --- | 236 |
| FISHERIES AND OCEANS | | | | | | | | |
| F&O | 4 | 867 | 89 | 784 | 157 | 310 | --- | 2,211 |
| F&O-FM | 4 | 867 | 89 | 784 | 157 | 310 | --- | 2,211 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | |
| IAND | 2 | 69 | 9 | 10 | 5 | 4 | --- | 97 |
| IAND-IJA | 2 | 2 | 1 | 0 | --- | --- | --- | 5 |
| IAND-NA | 1 | 67 | 8 | 10 | 5 | 4 | --- | 93 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | |
| ITC | --- | 5 | 226 | 1 | 111 | 1 | --- | 344 |
| ITC-TI | --- | 5 | 220 | 1 | 111 | --- | --- | 337 |
| ITC-TOUR | --- | --- | 3 | --- | --- | 1 | --- | 4 |
| ITC-BO | --- | --- | 3 | --- | --- | --- | --- | 3 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1981-82

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-----------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|--------|
| JUSTICE | | | | | | | | |
| JUST | 1 | 21 | 9 | --- | 20 | --- | --- | 51 |
| JUST-ADM | --- | 21 | 3 | --- | 14 | --- | --- | 38 |
| JUST-CUIO | 1 | --- | 6 | --- | 6 | --- | --- | 13 |
| CHOC | --- | 1 | 2 | --- | 2 | --- | --- | 5 |
| LSC | 4 | 1 | 4 | --- | 29 | --- | --- | 38 |
| LABOUR | | | | | | | | |
| LAD | 3 | 24 | 31 | 20 | 37 | --- | --- | 116 |
| NATIONAL DEFENCE | | | | | | | | |
| NDAF | 12 | 577 | 102 | 504 | 274 | 267 | 199 | 1,935 |
| NDAF-SER | 12 | 577 | 102 | 504 | 274 | 267 | 199 | 1,935 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | |
| NHM | 14 | 691 | 58 | 373 | 251 | 30 | --- | 1,416 |
| NHM-ADM | 5 | 47 | 15 | 16 | 28 | --- | --- | 111 |
| NHM-HSS | 3 | 23 | 15 | 2 | 15 | --- | --- | 58 |
| NHM-MS | --- | 27 | --- | --- | 6 | --- | --- | 33 |
| NHM-HP | 5 | 589 | 23 | 351 | 199 | 30 | --- | 1,197 |
| NHM-IS | 1 | 6 | 5 | 4 | 3 | --- | --- | 17 |
| NRC | 5 | 2 | 8 | --- | 24 | --- | --- | 39 |
| NATIONAL REVENUE | | | | | | | | |
| NREV | 1 | 39 | 73 | 2 | 101 | --- | --- | 216 |
| NREV-TAX | 1 | 39 | 73 | 2 | 101 | --- | --- | 216 |
| POST OFFICE | | | | | | | | |
| PO | 2 | 11 | 2 | 3 | 9 | --- | --- | 27 |
| PRIVY COUNCIL | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | 1 | --- | 25 | --- | 4 | --- | --- | 30 |
| ECC | 3 | 63 | 25 | 17 | 35 | --- | --- | 143 |
| PUBLIC WORKS | | | | | | | | |
| PA | --- | 42 | 9 | 9 | 2 | --- | --- | 63 |
| PA-PTS | --- | 42 | 9 | 9 | 2 | --- | --- | 63 |
| CMAC | 10 | 61 | 2 | 61 | 25 | --- | --- | 159 |
| HCC | 2 | 14 | 1 | 12 | 3 | 5 | --- | 37 |
| NATIONAL ECONOMIC EXPANSION | | | | | | | | |
| REE | 1 | 14 | 1 | 3 | 10 | --- | --- | 28 |
| SCIENCE AND TECHNOLOGY | | | | | | | | |
| ST | 23 | 11 | 67 | 5 | 53 | 2 | --- | 161 |
| NRC | 5 | 1,115 | 215 | 982 | 565 | 290 | --- | 3,172 |
| NRC-SIR | 5 | 1,051 | 180 | 981 | 443 | 286 | --- | 2,946 |
| NRC-STI | --- | 64 | 35 | 1 | 122 | 4 | --- | 226 |
| NSERC | 4 | 1 | 31 | --- | 45 | --- | --- | 81 |
| SC | 5 | 16 | 18 | 5 | 21 | --- | --- | 65 |
| SECRETARY OF STATE | | | | | | | | |
| SECS | --- | 3 | 122 | 3 | 50 | --- | --- | 178 |
| SECS-OL | --- | 1 | --- | 1 | --- | --- | --- | 2 |
| SECS-ES | --- | 2 | 1 | --- | 1 | --- | --- | 4 |
| SECS-TRA | --- | --- | 120 | --- | 49 | --- | --- | 169 |
| SECS-CIT | --- | --- | 1 | 2 | --- | --- | --- | 3 |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | |
| SGEN | --- | 29 | 3 | --- | 10 | 1 | --- | 43 |
| SGEN-ADM | --- | 29 | 3 | --- | 10 | 1 | --- | 43 |
| ACMP | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | |
| SS | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| SS-SUPP | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| STCAN | 31 | 767 | 832 | 766 | 3,011 | 82 | --- | 5,489 |
| TRANSPORT | | | | | | | | |
| TPT | 5 | 135 | 3 | 36 | 5 | 26 | --- | 210 |
| TPT-ADM | 0 | 48 | --- | 1 | 0 | 0 | --- | 49 |
| TPT-MAR | 1 | 5 | --- | 7 | 3 | 12 | --- | 27 |
| TPT-AIR | 4 | 83 | 2 | 29 | 2 | 14 | --- | 133 |
| TPT-SUR | --- | 0 | 0 | 0 | --- | --- | --- | 1 |
| CTC | 2 | 40 | 1 | 10 | 15 | --- | --- | 68 |
| TREASURY BOARD | | | | | | | | |
| TB | 25 | 17 | 146 | 2 | 42 | --- | --- | 232 |
| TB-ADM | 25 | 17 | 146 | 2 | 42 | --- | --- | 232 |
| TOTAL | 322 | 10,424 | 3,258 | 9,085 | 7,844 | 3,568 | 199 | 34,699 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY, 1979-82

(FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------------|-----------|------------------------------|-------------------------------|-----------|-----------------------|-------------|----------|--------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 81 | 5,960 | 710 | 4,785 | 1,855 | 2,670 | 172 | 16,233 |
| INTRAMURAL RSA | 174 | 3,782 | 1,928 | 4,115 | 4,914 | 796 | 11 | 15,719 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 28 | 311 | 386 | 45 | 367 | 26 | 10 | 1,173 |
| TOTAL | 283 | 10,053 | 3,023 | 8,945 | 7,136 | 3,491 | 193 | 33,124 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 83 | 6,006 | 708 | 4,809 | 1,806 | 2,664 | 177 | 16,253 |
| INTRAMURAL RSA | 187 | 3,895 | 2,019 | 4,221 | 4,879 | 799 | 11 | 16,010 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 28 | 313 | 444 | 41 | 400 | 26 | 10 | 1,261 |
| TOTAL | 298 | 10,214 | 3,171 | 9,070 | 7,084 | 3,489 | 198 | 33,524 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 93 | 6,202 | 707 | 4,807 | 1,807 | 2,685 | 178 | 16,478 |
| INTRAMURAL RSA | 199 | 3,906 | 2,105 | 4,235 | 5,627 | 857 | 11 | 16,940 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 30 | 316 | 446 | 43 | 411 | 26 | 10 | 1,282 |
| TOTAL | 322 | 10,424 | 3,258 | 9,085 | 7,844 | 3,568 | 199 | 34,699 |

2

Natural Sciences

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY PERFORMER, 1979-1982

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|-----------|---------|-----------|---------|-----------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 901,113 | (60.3) | 1,005,732 | (58.1) | 1,149,091 | (58.0) |
| INDUSTRY | 259,161 | (17.3) | 312,204 | (18.0) | 361,530 | (18.3) |
| UNIVERSITIES | 215,578 | (14.4) | 273,320 | (15.8) | 299,717 | (15.1) |
| NON-PROFIT INSTITUTIONS | 11,518 | (0.8) | 14,019 | (0.8) | 15,126 | (0.8) |
| PROVINCIAL & MUNICIPAL | 61,196 | (4.1) | 77,073 | (4.4) | 103,834 | (5.2) |
| FOREIGN | 34,542 | (2.3) | 39,457 | (2.3) | 42,218 | (2.1) |
| OTHER CANADIAN | 11,426 | (0.8) | 10,614 | (0.6) | 9,206 | (0.5) |
| TOTAL | 1,494,534 | (100.0) | 1,732,419 | (100.0) | 1,980,722 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
TOTAL ALL COMPONENTS

FISCAL YEAR 1979-80

(\$ THOUSANDS)

| | INTRAMRL | CANADIAN INDUSTRY | CANADIAN UNIVERSITY | CANADIAN N-P INST | PROV. MUN. GOVERNMENTS | FOREIGN PERFORMERS | OTHER PERFORMERS | TOTAL |
|---------------------------|----------|----------------------|------------------------|----------------------|---------------------------|-----------------------|---------------------|-----------|
| IN-HOUSE R&D | 471,156 | 0 | 0 | 0 | 0 | 0 | 0 | 471,156 |
| R&D CONTRACTS | 722 | 99,864 | 12,634 | 3,700 | 608 | 1,862 | 3,083 | 121,673 |
| SUPPORTING CONTRACTS | 17,922 | 0 | 0 | 0 | 0 | 0 | 0 | 17,922 |
| R&D GRANTS | 0 | 112,812 | 184,416 | 5,156 | 53,173 | 26,007 | 1,066 | 382,630 |
| RESEARCH FELLOWSHIPS | 1,150 | 1,493 | 3,507 | 34 | 0 | 3,866 | 102 | 10,152 |
| ADMIN. EXTRAMURAL R&D | 22,119 | 0 | 0 | 0 | 0 | 0 | 0 | 22,119 |
| CAPITAL - R&D | 74,656 | 0 | 0 | 0 | 0 | 0 | 0 | 74,656 |
| SUB TOTAL R&D | 587,725 | 213,369 | 200,557 | 8,890 | 53,781 | 31,735 | 4,251 | 1,100,308 |
| DATA COLLECTION | 182,766 | 10,859 | 2,114 | 927 | 3,616 | 27 | 2,189 | 202,498 |
| INFORMATION SERVICES | 60,253 | 826 | 251 | 922 | 1,225 | 903 | 1,391 | 65,771 |
| TESTING & STANDARDIZATION | 26,677 | 540 | 620 | 11 | 0 | 70 | 112 | 28,030 |
| FEASIBILITY STUDIES | 2,216 | 33,403 | 527 | 186 | 46 | 104 | 64 | 36,546 |
| EDUCATION SUPPORT | 918 | 10 | 11,248 | 144 | 0 | 1,703 | 2,955 | 16,978 |
| MUSEUM SERVICES | 11,805 | 154 | 261 | 438 | 2,528 | 0 | 464 | 15,650 |
| ADMIN. EXTRAMURAL RSA | 4,269 | 0 | 0 | 0 | 0 | 0 | 0 | 4,269 |
| CAPITAL - RSA | 24,484 | 0 | 0 | 0 | 0 | 0 | 0 | 24,484 |
| SUB TOTAL RSA | 313,388 | 45,792 | 15,021 | 2,620 | 7,415 | 2,807 | 7,175 | 394,226 |
| TOTAL | 901,113 | 259,161 | 215,570 | 11,518 | 61,196 | 34,542 | 11,426 | 1,494,534 |

FISCAL YEAR 1980-81

(\$ THOUSANDS)

| | INTRAMRL | CANADIAN INDUSTRY | CANADIAN UNIVERSITY | CANADIAN N-P INST | PROV. MUN. GOVERNMENTS | FOREIGN PERFORMERS | OTHER PERFORMERS | TOTAL |
|---------------------------|-----------|----------------------|------------------------|----------------------|---------------------------|-----------------------|---------------------|-----------|
| IN-HOUSE R&D | 528,987 | 0 | 0 | 0 | 0 | 0 | 0 | 528,987 |
| R&D CONTRACTS | 865 | 122,342 | 15,374 | 5,020 | 727 | 2,035 | 3,240 | 149,611 |
| SUPPORTING CONTRACTS | 24,171 | 0 | 0 | 0 | 0 | 0 | 0 | 24,171 |
| R&D GRANTS | 0 | 135,815 | 232,331 | 5,722 | 67,408 | 29,390 | 1,032 | 471,680 |
| RESEARCH FELLOWSHIPS | 1,294 | 2,346 | 5,081 | 0 | 0 | 4,445 | 93 | 14,059 |
| ADMIN. EXTRAMURAL R&D | 28,930 | 0 | 0 | 0 | 0 | 0 | 0 | 28,930 |
| CAPITAL - R&D | 80,318 | 0 | 0 | 0 | 0 | 0 | 0 | 80,318 |
| SUB TOTAL R&D | 664,565 | 260,503 | 253,586 | 10,742 | 68,135 | 35,860 | 4,373 | 1,297,764 |
| DATA COLLECTION | 198,844 | 12,418 | 2,071 | 1,108 | 4,009 | 23 | 1,974 | 220,527 |
| INFORMATION SERVICES | 63,964 | 1,372 | 283 | 1,194 | 2,278 | 855 | 1,497 | 71,443 |
| TESTING & STANDARDIZATION | 27,193 | 1,177 | 570 | 71 | 0 | 110 | 89 | 29,210 |
| FEASIBILITY STUDIES | 2,588 | 36,089 | 271 | 260 | 0 | 479 | 421 | 40,108 |
| EDUCATION SUPPORT | 1,067 | 270 | 16,230 | 75 | 10 | 2,130 | 1,954 | 21,736 |
| MUSEUM SERVICES | 14,720 | 375 | 389 | 569 | 2,561 | 0 | 306 | 18,840 |
| ADMIN. EXTRAMURAL RSA | 4,994 | 0 | 0 | 0 | 0 | 0 | 0 | 4,994 |
| CAPITAL - RSA | 27,797 | 0 | 0 | 0 | 0 | 0 | 0 | 27,797 |
| SUB TOTAL RSA | 341,167 | 51,701 | 19,734 | 3,277 | 8,938 | 3,597 | 6,241 | 434,655 |
| TOTAL | 1,005,732 | 312,204 | 273,320 | 14,019 | 77,073 | 39,457 | 10,614 | 1,732,419 |

FISCAL YEAR 1981-82

(\$ THOUSANDS)

| | INTRAMRL | CANADIAN INDUSTRY | CANADIAN UNIVERSITY | CANADIAN N-P INST | PROV. MUN. GOVERNMENTS | FOREIGN PERFORMERS | OTHER PERFORMERS | TOTAL |
|---------------------------|-----------|----------------------|------------------------|----------------------|---------------------------|-----------------------|---------------------|-----------|
| IN-HOUSE R&D | 610,000 | 0 | 0 | 0 | 0 | 0 | 0 | 610,000 |
| R&D CONTRACTS | 996 | 139,616 | 16,081 | 5,417 | 1,390 | 2,195 | 3,233 | 168,928 |
| SUPPORTING CONTRACTS | 27,575 | 0 | 0 | 0 | 0 | 0 | 0 | 27,575 |
| R&D GRANTS | 0 | 161,093 | 249,226 | 6,600 | 89,390 | 30,663 | 950 | 537,922 |
| RESEARCH FELLOWSHIPS | 1,500 | 2,732 | 9,089 | 0 | 0 | 4,870 | 89 | 18,200 |
| ADMIN. EXTRAMURAL R&D | 32,850 | 0 | 0 | 0 | 0 | 0 | 0 | 32,850 |
| CAPITAL - R&D | 91,509 | 0 | 0 | 0 | 0 | 0 | 0 | 91,509 |
| SUB TOTAL R&D | 772,510 | 303,441 | 274,316 | 12,017 | 90,780 | 37,728 | 4,272 | 1,495,064 |
| DATA COLLECTION | 220,254 | 13,327 | 2,285 | 758 | 4,439 | 26 | 2,819 | 243,908 |
| INFORMATION SERVICES | 75,360 | 1,583 | 304 | 1,378 | 6,034 | 914 | 1,336 | 86,909 |
| TESTING & STANDARDIZATION | 29,968 | 1,470 | 792 | 76 | 0 | 115 | 10 | 32,431 |
| FEASIBILITY STUDIES | 3,456 | 41,094 | 353 | 200 | 50 | 471 | 430 | 46,134 |
| EDUCATION SUPPORT | 1,112 | 240 | 21,355 | 55 | 11 | 2,964 | 37 | 25,774 |
| MUSEUM SERVICES | 13,163 | 375 | 312 | 562 | 2,520 | 0 | 302 | 17,234 |
| ADMIN. EXTRAMURAL RSA | 5,985 | 0 | 0 | 0 | 0 | 0 | 0 | 5,985 |
| CAPITAL - RSA | 27,283 | 0 | 0 | 0 | 0 | 0 | 0 | 27,283 |
| SUB TOTAL RSA | 376,581 | 50,089 | 25,401 | 3,109 | 13,054 | 4,490 | 4,934 | 485,658 |
| TOTAL | 1,149,091 | 361,530 | 299,717 | 15,126 | 103,834 | 42,218 | 9,206 | 1,980,722 |

TABLE 23

NATURAL SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 133,991 | 8,409 | 142,400 | 143,486 | 7,539 | 151,025 | 161,465 | 6,409 | 167,874 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | 3,134 | 3,134 | --- | 3,212 | 3,212 | --- | 3,729 | 3,729 |
| AGR-R1 | 127,969 | 3,776 | 131,745 | 136,310 | 2,637 | 138,947 | 152,256 | 818 | 153,074 |
| AGR-CGC | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| CDC | 1,336 | 1,499 | 2,835 | 1,503 | 1,690 | 3,193 | 1,653 | 1,862 | 3,515 |
| CLFB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 53,483 | 6 | 53,489 | 65,573 | 29 | 65,602 | 50,477 | 34 | 50,511 |
| COMM-COMM | 53,483 | 6 | 53,489 | 65,573 | 29 | 65,602 | 50,477 | 34 | 50,511 |
| COMM-AC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CRTC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NFB | 298 | 201 | 499 | 412 | 224 | 636 | 456 | 242 | 698 |
| NLIB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NMUS | 1,251 | 16,828 | 18,079 | 1,082 | 20,011 | 21,093 | 2,173 | 18,659 | 20,832 |
| PA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | --- | 9,613 | 9,613 | --- | 11,205 | 11,205 | --- | 12,088 | 12,088 |
| CCA-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CON | --- | 1,504 | 1,504 | --- | 1,678 | 1,678 | --- | 1,850 | 1,850 |
| CCA-COR | --- | 8,109 | 8,109 | --- | 9,527 | 9,527 | --- | 10,238 | 10,238 |
| CCA-CICP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 123,028 | 34,078 | 157,106 | 160,696 | 34,756 | 195,452 | 229,163 | 41,772 | 270,935 |
| EMR-ENER | 58,639 | 387 | 59,026 | 87,652 | 468 | 88,120 | 147,487 | 1,566 | 149,053 |
| EMR-MES | 64,389 | 33,691 | 98,080 | 73,044 | 34,288 | 107,332 | 81,676 | 40,206 | 121,882 |
| AECB | 575 | --- | 575 | 768 | --- | 768 | 851 | --- | 851 |
| AECL | 75,410 | 13,536 | 88,946 | 83,084 | 15,471 | 98,555 | 93,267 | 18,249 | 111,516 |
| NEB | --- | 1,336 | 1,336 | --- | 1,425 | 1,425 | --- | 1,571 | 1,571 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 69,773 | 135,910 | 205,683 | 80,972 | 152,577 | 233,549 | 94,173 | 175,040 | 269,213 |
| ENV-ADM | 417 | 898 | 1,315 | 399 | 1,180 | 1,579 | 432 | 1,189 | 1,621 |
| ENV-ES | 69,039 | 133,904 | 202,943 | 80,224 | 150,180 | 230,404 | 93,359 | 172,510 | 265,869 |
| ENV-EPS | 4,316 | 2,759 | 7,075 | 5,163 | 2,971 | 8,134 | 5,348 | 2,822 | 8,170 |
| ENV-AES | 11,657 | 91,180 | 102,837 | 12,114 | 105,589 | 117,703 | 13,876 | 120,060 | 133,936 |
| ENV-ECS | 16,946 | 36,299 | 53,245 | 17,122 | 37,120 | 54,242 | 20,430 | 45,040 | 65,470 |
| ENV-FOR | 36,120 | 3,666 | 39,786 | 45,825 | 4,500 | 50,325 | 53,705 | 4,588 | 58,293 |
| ENV-PC | 317 | 1,108 | 1,425 | 349 | 1,217 | 1,566 | 382 | 1,341 | 1,723 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CIDA | 8,500 | 23,687 | 32,187 | 8,595 | 24,158 | 32,753 | 9,620 | 27,043 | 36,663 |
| IDRC | 17,822 | 775 | 18,597 | 19,590 | 1,223 | 20,813 | 23,037 | 1,370 | 24,407 |
| FINANCE | | | | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 54,511 | 54,804 | 109,315 | 56,684 | 56,219 | 112,903 | 63,205 | 53,200 | 116,405 |
| F&O-FM | 54,511 | 54,804 | 109,315 | 56,684 | 56,219 | 112,903 | 63,205 | 53,200 | 116,405 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 1,734 | 613 | 2,347 | 1,895 | 692 | 2,587 | 1,857 | 783 | 2,640 |
| IAND-IIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| IAND-NA | 1,734 | 613 | 2,347 | 1,895 | 692 | 2,587 | 1,857 | 783 | 2,640 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 81,701 | 483 | 82,184 | 97,158 | 650 | 97,808 | 123,077 | 650 | 123,727 |
| ITC-TI | 79,909 | 483 | 80,392 | 96,218 | 650 | 96,868 | 122,547 | 650 | 123,197 |
| ITC-TOUR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ITC-GO | 1,792 | --- | 1,792 | 940 | --- | 940 | 530 | --- | 530 |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | | | | |
| LAB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 84,758 | 750 | 85,508 | 95,916 | 780 | 96,696 | 107,415 | 834 | 108,249 |
| NDEF-SER | 84,758 | 750 | 85,508 | 95,916 | 780 | 96,696 | 107,415 | 834 | 108,249 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 13,565 | 29,043 | 42,608 | 19,555 | 30,233 | 49,788 | 21,720 | 34,672 | 56,392 |
| NHW-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HSS | 5,176 | 1,728 | 6,904 | 6,559 | 2,176 | 8,735 | 5,708 | 2,183 | 7,891 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 8,254 | 27,315 | 35,569 | 11,556 | 28,057 | 39,613 | 14,391 | 32,489 | 46,880 |
| NHW-IS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MRC | 67,835 | 2,222 | 70,057 | 79,467 | 2,564 | 82,031 | 85,785 | 2,805 | 88,590 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | | | | |
| PO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ECC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PUBLIC WORKS | | | | | | | | | |
| PW | 3,551 | 2,196 | 5,747 | 4,260 | 4,050 | 8,310 | 1,408 | 6,249 | 7,657 |
| PW-PTS | 3,551 | 2,196 | 5,747 | 4,260 | 4,050 | 8,310 | 1,408 | 6,249 | 7,657 |
| CMHC | 2,116 | 879 | 2,995 | 2,068 | 1,701 | 3,769 | 2,275 | 1,871 | 4,146 |
| NCC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | --- | 1,589 | 1,589 | --- | 3,021 | 3,021 | --- | 6,427 | 6,427 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | 170,607 | 30,802 | 201,409 | 201,107 | 36,284 | 237,391 | 232,072 | 42,076 | 274,148 |
| NRC-SIR | 170,607 | 17,234 | 187,841 | 201,107 | 20,077 | 221,184 | 232,072 | 22,850 | 254,922 |
| NRC-STI | --- | 13,568 | 13,568 | --- | 16,207 | 16,207 | --- | 19,226 | 19,226 |
| NSERC | 110,300 | 10,748 | 121,048 | 147,028 | 16,176 | 163,204 | 159,908 | 22,108 | 182,016 |
| SC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-CIT | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SGEN-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RCMP | 31 | --- | 31 | 130 | --- | 130 | 342 | 50 | 392 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 11,823 | 2,230 | 14,053 | 11,825 | 2,252 | 14,077 | 12,072 | 2,131 | 14,203 |
| SS-SUPP | 11,823 | 2,230 | 14,053 | 11,825 | 2,252 | 14,077 | 12,072 | 2,131 | 14,203 |
| STCAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | | | | |
| TPT | 13,645 | 13,488 | 27,133 | 16,413 | 11,415 | 27,828 | 19,246 | 9,325 | 28,571 |
| TPT-ADM | 6,908 | 1,066 | 7,974 | 7,993 | 1,183 | 9,176 | 10,311 | 1,128 | 11,439 |
| TPT-MAR | 3,518 | 6,412 | 9,930 | 5,363 | 5,593 | 10,956 | 5,838 | 5,354 | 11,192 |
| TPT-AIR | 3,164 | 2,491 | 5,655 | 3,002 | 4,220 | 7,222 | 3,042 | 2,842 | 5,884 |
| TPT-SUR | 55 | 3,519 | 3,574 | 55 | 419 | 474 | 55 | 1 | 56 |
| CTC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TREASURY BOARD | | | | | | | | | |
| TB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL | 1,100,308 | 394,226 | 1,494,534 | 1,297,764 | 434,655 | 1,732,419 | 1,495,064 | 485,658 | 1,980,722 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|-----------------|-----------------|---------|-----------------|-----------------|---------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 132,755 | 9,645 | 142,400 | 140,487 | 10,538 | 151,025 | 159,743 | 8,131 | 167,874 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | 3,134 | --- | 3,134 | 3,212 | --- | 3,212 | 3,729 | --- | 3,729 |
| AGR-RI | 122,103 | 9,642 | 131,745 | 128,413 | 10,534 | 138,947 | 144,946 | 8,128 | 153,074 |
| AGR-CGC | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| CDC | 2,832 | 3 | 2,835 | 3,189 | 4 | 3,193 | 3,512 | 3 | 3,515 |
| CLFB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 38,717 | 14,772 | 53,489 | 43,452 | 22,150 | 65,602 | 37,762 | 12,749 | 50,511 |
| COMM-COMM | 38,717 | 14,772 | 53,489 | 43,452 | 22,150 | 65,602 | 37,762 | 12,749 | 50,511 |
| COMM-AC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CRTC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NFB | 490 | 9 | 499 | 623 | 13 | 636 | 683 | 15 | 698 |
| NLIB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NMUS | 14,129 | 3,950 | 18,079 | 16,864 | 4,229 | 21,093 | 16,636 | 4,196 | 20,832 |
| PA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 9,613 | --- | 9,613 | 11,205 | --- | 11,205 | 12,088 | --- | 12,088 |
| CCA-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CON | 1,504 | --- | 1,504 | 1,678 | --- | 1,678 | 1,850 | --- | 1,850 |
| CCA-COR | 8,109 | --- | 8,109 | 9,527 | --- | 9,527 | 10,238 | --- | 10,238 |
| CCA-CICP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 85,888 | 71,218 | 157,106 | 97,322 | 98,130 | 195,452 | 143,228 | 127,707 | 270,935 |
| EMR-ENER | 1,145 | 57,881 | 59,026 | 4,509 | 83,611 | 88,120 | 37,129 | 111,924 | 149,053 |
| EMR-MES | 84,743 | 13,337 | 98,080 | 92,813 | 14,519 | 107,332 | 106,099 | 15,783 | 121,882 |
| AECB | 159 | 416 | 575 | 200 | 568 | 768 | 226 | 625 | 851 |
| AACL | 67,410 | 21,536 | 88,946 | 74,720 | 23,835 | 98,555 | 86,005 | 25,511 | 111,516 |
| NEB | 1,336 | --- | 1,336 | 1,425 | --- | 1,425 | 1,571 | --- | 1,571 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 181,281 | 24,402 | 205,683 | 204,838 | 28,711 | 233,549 | 236,579 | 32,634 | 269,213 |
| ENV-ADM | 1,315 | --- | 1,315 | 1,579 | --- | 1,579 | 1,621 | --- | 1,621 |
| ENV-ES | 178,974 | 23,969 | 202,943 | 202,168 | 28,236 | 230,404 | 233,758 | 32,111 | 265,869 |
| ENV-EPS | 4,392 | 2,683 | 7,075 | 4,816 | 3,318 | 8,134 | 4,933 | 3,237 | 8,170 |
| ENV-AES | 99,050 | 3,787 | 102,837 | 113,534 | 4,169 | 117,703 | 129,130 | 4,806 | 133,936 |
| ENV-ECS | 47,424 | 5,821 | 53,245 | 48,275 | 5,967 | 54,242 | 58,268 | 7,202 | 65,470 |
| ENV-FOR | 28,108 | 11,678 | 39,786 | 35,543 | 14,782 | 50,325 | 41,427 | 16,866 | 58,293 |
| ENV-PC | 992 | 433 | 1,425 | 1,091 | 475 | 1,566 | 1,200 | 523 | 1,723 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CIDA | 494 | 31,693 | 32,187 | 556 | 32,197 | 32,753 | 629 | 36,034 | 36,663 |
| IDRC | 2,996 | 15,601 | 18,597 | 3,515 | 17,298 | 20,813 | 4,070 | 20,337 | 24,407 |
| FINANCE | | | | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 99,838 | 9,477 | 109,315 | 103,887 | 9,016 | 112,903 | 103,959 | 12,446 | 116,405 |
| F&O-FM | 99,838 | 9,477 | 109,315 | 103,887 | 9,016 | 112,903 | 103,959 | 12,446 | 116,405 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 1,529 | 818 | 2,347 | 1,746 | 841 | 2,587 | 1,858 | 782 | 2,640 |
| IAND-11A | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| IAND-NA | 1,529 | 818 | 2,347 | 1,746 | 841 | 2,587 | 1,858 | 782 | 2,640 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 6,432 | 75,752 | 82,184 | 9,413 | 88,395 | 97,808 | 10,351 | 113,376 | 123,727 |
| ITC-TI | 6,360 | 74,032 | 80,392 | 9,363 | 87,505 | 96,868 | 10,296 | 112,901 | 123,197 |
| ITC-TOUR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ITC-GO | 72 | 1,720 | 1,792 | 50 | 890 | 940 | 55 | 475 | 530 |

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------------|-----------------|-----------|-----------------|-----------------|-----------|-----------------|-----------------|-----------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LDC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | | | | |
| LDB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 58,706 | 26,802 | 85,508 | 63,238 | 33,458 | 96,696 | 68,700 | 39,549 | 108,249 |
| NDEF-SER | 58,706 | 26,802 | 85,508 | 63,238 | 33,458 | 96,696 | 68,700 | 39,549 | 108,249 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 35,119 | 7,489 | 42,608 | 40,171 | 9,617 | 49,788 | 47,627 | 8,765 | 56,392 |
| NHW-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HSS | 560 | 6,344 | 6,904 | 670 | 8,065 | 8,735 | 745 | 7,146 | 7,891 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 34,424 | 1,145 | 35,569 | 38,061 | 1,552 | 39,613 | 45,261 | 1,619 | 46,880 |
| NHW-IS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | 1,381 | 68,676 | 70,057 | 1,556 | 80,475 | 82,031 | 1,747 | 86,843 | 88,590 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | | | | |
| PO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| BCC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PUBLIC WORKS | | | | | | | | | |
| PM | 3,077 | 2,670 | 5,747 | 3,944 | 4,366 | 8,310 | 5,511 | 2,146 | 7,657 |
| PM-PTS | 3,077 | 2,670 | 5,747 | 3,944 | 4,366 | 8,310 | 5,511 | 2,146 | 7,657 |
| CMHC | 1,658 | 1,337 | 2,995 | 1,980 | 1,789 | 3,769 | 2,178 | 1,968 | 4,146 |
| NCC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | --- | 1,589 | 1,589 | --- | 3,021 | 3,021 | --- | 6,427 | 6,427 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | 138,353 | 63,056 | 201,409 | 163,522 | 73,869 | 237,391 | 187,614 | 86,534 | 274,148 |
| NRC-SIR | 124,785 | 63,056 | 187,841 | 147,315 | 73,869 | 221,184 | 168,454 | 86,468 | 254,922 |
| NRC-STI | 13,568 | --- | 13,568 | 16,207 | --- | 16,207 | 19,160 | 66 | 19,226 |
| NSERC | 2,273 | 118,775 | 121,048 | 3,697 | 159,507 | 163,204 | 4,312 | 177,704 | 182,016 |
| SC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-CIT | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SGEN-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SCMP | --- | 31 | 31 | --- | 130 | 130 | 264 | 128 | 392 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 86 | 13,967 | 14,053 | 94 | 13,983 | 14,077 | 103 | 14,100 | 14,203 |
| SS-SUPP | 86 | 13,967 | 14,053 | 94 | 13,983 | 14,077 | 103 | 14,100 | 14,203 |
| STCAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | | | | |
| TPT | 17,393 | 9,740 | 27,133 | 17,277 | 10,551 | 27,828 | 15,647 | 12,924 | 28,571 |
| TPT-ADM | 683 | 7,291 | 7,974 | 1,377 | 7,799 | 9,176 | 1,215 | 10,224 | 11,439 |
| TPT-MAR | 9,930 | --- | 9,930 | 10,956 | --- | 10,956 | 11,142 | 50 | 11,192 |
| TPT-AIR | 3,256 | 2,399 | 5,655 | 4,520 | 2,702 | 7,222 | 3,284 | 2,600 | 5,884 |
| TPT-SUR | 3,524 | 50 | 3,574 | 424 | 50 | 474 | 6 | 50 | 56 |
| CTC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TREASURY BOARD | | | | | | | | | |
| TB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL | 901,113 | 593,421 | 1,494,534 | 1,005,732 | 726,687 | 1,732,419 | 1,149,091 | 831,631 | 1,980,722 |

* INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 25

NATURAL SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

INTRAMURAL, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGE | 127,274 | 5,481 | 132,755 | 134,880 | 5,607 | 140,487 | 153,343 | 6,400 | 159,743 |
| AGE-DEV | --- | 3,134 | 3,134 | --- | 3,212 | 3,212 | --- | 3,729 | 3,729 |
| AGE-RI | 121,252 | 851 | 122,103 | 127,704 | 709 | 128,413 | 144,134 | 812 | 144,946 |
| AGE-CGC | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| CDC | 1,336 | 1,496 | 2,832 | 1,503 | 1,686 | 3,189 | 1,653 | 1,859 | 3,512 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 38,711 | 6 | 38,717 | 43,423 | 29 | 43,452 | 37,728 | 34 | 37,762 |
| COMM-COMM | 38,711 | 6 | 38,717 | 43,423 | 29 | 43,452 | 37,728 | 34 | 37,762 |
| WFO | 298 | 192 | 490 | 412 | 211 | 623 | 456 | 227 | 683 |
| HAUS | 1,146 | 12,983 | 14,129 | 973 | 15,891 | 16,864 | 2,048 | 14,588 | 16,636 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | --- | 9,613 | 9,613 | --- | 11,205 | 11,205 | --- | 12,088 | 12,088 |
| CCA-CON | --- | 1,504 | 1,504 | --- | 1,678 | 1,678 | --- | 1,850 | 1,850 |
| CCA-COR | --- | 8,109 | 8,109 | --- | 9,527 | 9,527 | --- | 10,238 | 10,238 |
| ECONOMIC DEVELOPMENT EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EME | 55,516 | 30,372 | 85,888 | 66,934 | 30,388 | 97,322 | 105,751 | 37,477 | 143,228 |
| EME-ENER | 798 | 347 | 1,145 | 4,081 | 428 | 4,509 | 35,683 | 1,446 | 37,129 |
| EME-MES | 54,718 | 30,025 | 84,743 | 62,853 | 29,960 | 92,813 | 70,068 | 36,031 | 106,099 |
| RECB | 159 | --- | 159 | 200 | --- | 200 | 226 | --- | 226 |
| RECL | 63,909 | 3,501 | 67,410 | 70,898 | 3,822 | 74,720 | 81,676 | 4,329 | 86,005 |
| NEB | --- | 1,336 | 1,336 | --- | 1,425 | 1,425 | --- | 1,571 | 1,571 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 53,674 | 127,607 | 181,281 | 61,183 | 143,655 | 204,838 | 71,811 | 164,768 | 236,579 |
| ENV-ADM | 417 | 898 | 1,315 | 399 | 1,180 | 1,579 | 432 | 1,189 | 1,621 |
| ENV-ES | 53,158 | 125,816 | 178,974 | 60,675 | 141,493 | 202,168 | 71,260 | 162,498 | 233,758 |
| ENV-EPS | 1,923 | 2,469 | 4,392 | 2,148 | 2,668 | 4,816 | 2,398 | 2,535 | 4,933 |
| ENV-AES | 11,101 | 87,949 | 99,050 | 11,604 | 101,930 | 113,534 | 13,045 | 116,085 | 129,130 |
| ENV-ECS | 15,692 | 31,732 | 47,424 | 15,880 | 32,395 | 48,275 | 18,978 | 39,290 | 58,268 |
| ENV-FOR | 24,442 | 3,666 | 28,108 | 31,043 | 4,500 | 35,543 | 36,839 | 4,588 | 41,427 |
| ENV-PC | 99 | 893 | 992 | 109 | 982 | 1,091 | 119 | 1,081 | 1,200 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| CIDA | 128 | 366 | 494 | 145 | 411 | 556 | 164 | 465 | 629 |
| IDRC | 2,777 | 219 | 2,996 | 3,225 | 290 | 3,515 | 3,748 | 322 | 4,070 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 48,210 | 51,628 | 99,838 | 50,209 | 53,678 | 103,887 | 54,919 | 49,040 | 103,959 |
| F&O-FM | 48,210 | 51,628 | 99,838 | 50,209 | 53,678 | 103,887 | 54,919 | 49,040 | 103,959 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 937 | 592 | 1,529 | 1,075 | 671 | 1,746 | 1,096 | 762 | 1,858 |
| IAND-NA | 937 | 592 | 1,529 | 1,075 | 671 | 1,746 | 1,096 | 762 | 1,858 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 6,432 | --- | 6,432 | 9,413 | --- | 9,413 | 10,351 | --- | 10,351 |
| ITC-TI | 6,360 | --- | 6,360 | 9,363 | --- | 9,363 | 10,296 | --- | 10,296 |
| ITC-GO | 72 | --- | 72 | 50 | --- | 50 | 55 | --- | 55 |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

INTRAMURAL, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|---------|---------|---------|---------|---------|-----------|---------|---------|-----------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| JUSTICE | | | | | | | | | |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 57,956 | 750 | 58,706 | 62,458 | 780 | 63,238 | 67,866 | 834 | 68,700 |
| NDEF-SER | 57,956 | 750 | 58,706 | 62,458 | 780 | 63,238 | 67,866 | 834 | 68,700 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 8,475 | 26,644 | 35,119 | 12,933 | 27,238 | 40,171 | 15,959 | 31,668 | 47,627 |
| NHW-HSS | 410 | 150 | 560 | 479 | 191 | 670 | 513 | 232 | 745 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 7,930 | 26,494 | 34,424 | 11,014 | 27,047 | 38,061 | 13,825 | 31,436 | 45,261 |
| MRC | 1,272 | 109 | 1,381 | 1,435 | 121 | 1,556 | 1,608 | 139 | 1,747 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PUBLIC WORKS | | | | | | | | | |
| PW | 1,641 | 1,436 | 3,077 | 1,318 | 2,626 | 3,944 | 353 | 5,158 | 5,511 |
| PW-PTS | 1,641 | 1,436 | 3,077 | 1,318 | 2,626 | 3,944 | 353 | 5,158 | 5,511 |
| CMHC | 1,080 | 578 | 1,658 | 1,350 | 630 | 1,980 | 1,485 | 693 | 2,178 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 109,092 | 29,261 | 138,353 | 129,508 | 34,014 | 163,522 | 148,355 | 39,259 | 187,614 |
| NRC-SIR | 109,092 | 15,693 | 124,785 | 129,508 | 17,807 | 147,315 | 148,355 | 20,099 | 168,454 |
| NRC-STI | --- | 13,568 | 13,568 | --- | 16,207 | 16,207 | --- | 19,160 | 19,160 |
| NSERC | 1,818 | 455 | 2,273 | 2,957 | 740 | 3,697 | 3,451 | 861 | 4,312 |
| SECRETARY OF STATE | | | | | | | | | |
| SOLICITOR GENERAL | | | | | | | | | |
| RCMP | --- | --- | 0 | --- | --- | 0 | 214 | 50 | 264 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 72 | 14 | 86 | 79 | 15 | 94 | 87 | 16 | 103 |
| SS-SUPP | 72 | 14 | 86 | 79 | 15 | 94 | 87 | 16 | 103 |
| TRANSPORT | | | | | | | | | |
| TPT | 7,148 | 10,245 | 17,393 | 9,557 | 7,720 | 17,277 | 9,815 | 5,832 | 15,647 |
| TPT-ADM | 591 | 92 | 683 | 1,287 | 90 | 1,377 | 1,130 | 85 | 1,215 |
| TPT-MAR | 3,518 | 6,412 | 9,930 | 5,363 | 5,593 | 10,956 | 5,788 | 5,354 | 11,142 |
| TPT-AIR | 3,034 | 222 | 3,256 | 2,902 | 1,618 | 4,520 | 2,892 | 392 | 3,284 |
| TPT-SUR | 5 | 3,519 | 3,524 | 5 | 419 | 424 | 5 | 1 | 6 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 587,725 | 313,388 | 901,113 | 664,565 | 341,167 | 1,005,732 | 772,510 | 376,581 | 1,149,091 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
INDUSTRY, BY DEPARTMENT OR AGENCY
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|--------|---------|---------|--------|---------|---------|--------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 2,122 | --- | 2,122 | 2,390 | --- | 2,390 | 2,278 | --- | 2,278 |
| AGR-RI | 2,122 | --- | 2,122 | 2,390 | --- | 2,390 | 2,278 | --- | 2,278 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 12,530 | --- | 12,530 | 18,666 | --- | 18,666 | 11,774 | --- | 11,774 |
| COMM-COMM | 12,530 | --- | 12,530 | 18,666 | --- | 18,666 | 11,774 | --- | 11,774 |
| NFB | --- | 9 | 9 | --- | 13 | 13 | --- | 10 | 10 |
| NMUS | --- | 154 | 154 | --- | 375 | 375 | --- | 375 | 375 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 9,878 | 3,226 | 13,104 | 22,338 | 4,088 | 26,426 | 30,305 | 4,003 | 34,308 |
| EMR-ENER | 3,398 | 40 | 3,438 | 15,731 | 40 | 15,771 | 21,800 | 120 | 21,920 |
| EMR-MES | 6,480 | 3,186 | 9,666 | 6,607 | 4,048 | 10,655 | 8,505 | 3,883 | 12,388 |
| AECB | 116 | --- | 116 | 181 | --- | 181 | 199 | --- | 199 |
| AECI | 9,777 | 9,980 | 19,757 | 10,409 | 11,611 | 22,020 | 9,818 | 13,893 | 23,711 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 10,341 | 1,741 | 12,082 | 12,326 | 2,150 | 14,476 | 13,136 | 2,415 | 15,551 |
| ENV-ES | 10,224 | 1,683 | 11,907 | 12,198 | 2,086 | 14,284 | 12,995 | 2,345 | 15,340 |
| ENV-EPS | 1,750 | 225 | 1,975 | 2,265 | 245 | 2,510 | 2,200 | 240 | 2,440 |
| ENV-AES | --- | 466 | 466 | --- | 814 | 814 | --- | 855 | 855 |
| ENV-ECS | 518 | 992 | 1,510 | 509 | 1,027 | 1,536 | 620 | 1,250 | 1,870 |
| ENV-FOR | 7,956 | --- | 7,956 | 9,424 | --- | 9,424 | 10,175 | --- | 10,175 |
| ENV-PC | 117 | 58 | 175 | 128 | 64 | 192 | 141 | 70 | 211 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| CIDA | --- | 22,341 | 22,341 | --- | 22,788 | 22,788 | --- | 25,523 | 25,523 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 3,286 | 1,952 | 5,238 | 3,350 | 1,965 | 5,315 | 5,238 | 3,423 | 8,661 |
| F&O-FM | 3,286 | 1,952 | 5,238 | 3,350 | 1,965 | 5,315 | 5,238 | 3,423 | 8,661 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 153 | 21 | 174 | 208 | 21 | 229 | 200 | 21 | 221 |
| IAND-NA | 153 | 21 | 174 | 208 | 21 | 229 | 200 | 21 | 221 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 73,972 | --- | 73,972 | 85,612 | --- | 85,612 | 110,486 | --- | 110,486 |
| ITC-TI | 72,702 | --- | 72,702 | 85,162 | --- | 85,162 | 110,386 | --- | 110,386 |
| ITC-GO | 1,270 | --- | 1,270 | 450 | --- | 450 | 100 | --- | 100 |
| JUSTICE | | | | | | | | | |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 23,250 | --- | 23,250 | 28,819 | --- | 28,819 | 34,640 | --- | 34,640 |
| NDEF-SER | 23,250 | --- | 23,250 | 28,819 | --- | 28,819 | 34,640 | --- | 34,640 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 58 | 380 | 438 | 256 | 637 | 893 | 300 | 610 | 910 |
| NHW-HSS | 18 | --- | 18 | 50 | 93 | 143 | 85 | 56 | 141 |
| NHW-HP | 40 | 380 | 420 | 206 | 544 | 750 | 215 | 554 | 769 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PUBLIC WORKS | | | | | | | | | |
| PW | 1,815 | 545 | 2,360 | 2,937 | 1,125 | 4,062 | 1,045 | 908 | 1,953 |
| PW-PTS | 1,815 | 545 | 2,360 | 2,937 | 1,125 | 4,062 | 1,045 | 908 | 1,953 |
| CMHC | 665 | 197 | 862 | 543 | 960 | 1,503 | 597 | 1,057 | 1,654 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 48,409 | 353 | 48,762 | 53,332 | 964 | 54,296 | 61,022 | 1,152 | 62,174 |
| NRC-SIR | 48,409 | 353 | 48,762 | 53,332 | 964 | 54,296 | 61,022 | 1,152 | 62,174 |
| NSERC | 1,493 | --- | 1,493 | 2,346 | --- | 2,346 | 2,732 | --- | 2,732 |
| SECRETARY OF STATE | | | | | | | | | |
| SOLICITOR GENERAL | | | | | | | | | |
| RCMP | 25 | --- | 25 | 95 | --- | 95 | 103 | --- | 103 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 10,035 | 1,663 | 11,698 | 9,984 | 1,677 | 11,661 | 10,187 | 1,586 | 11,773 |
| SS-SUPP | 10,035 | 1,663 | 11,698 | 9,984 | 1,677 | 11,661 | 10,187 | 1,586 | 11,773 |
| TRANSPORT | | | | | | | | | |
| TPT | 5,444 | 3,230 | 8,674 | 6,711 | 3,327 | 10,038 | 9,381 | 3,113 | 12,494 |
| TPT-ADM | 5,334 | 974 | 6,308 | 6,706 | 1,093 | 7,799 | 9,181 | 1,043 | 10,224 |
| TPT-MAR | --- | --- | 0 | --- | --- | 0 | 50 | --- | 50 |
| TPT-AIR | 110 | 2,256 | 2,366 | 5 | 2,234 | 2,239 | 150 | 2,070 | 2,220 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 213,369 | 45,792 | 259,161 | 260,503 | 51,701 | 312,204 | 303,441 | 58,089 | 361,530 |

INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 27

NATURAL SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

UNIVERSITY, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|--------|---------|---------|--------|---------|---------|--------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 3,479 | --- | 3,479 | 3,751 | --- | 3,751 | 3,637 | --- | 3,637 |
| AGR-RI | 3,479 | --- | 3,479 | 3,751 | --- | 3,751 | 3,637 | --- | 3,637 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 800 | --- | 800 | 975 | --- | 975 | 975 | --- | 975 |
| COMM-COMM | 800 | --- | 800 | 975 | --- | 975 | 975 | --- | 975 |
| NFB | --- | --- | 0 | --- | --- | 0 | --- | 5 | 5 |
| NMUS | --- | 261 | 261 | --- | 309 | 309 | --- | 312 | 312 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 1,372 | 356 | 1,728 | 1,686 | 97 | 1,783 | 1,382 | 93 | 1,475 |
| EMR-ENER | 5 | --- | 5 | 130 | --- | 130 | 130 | --- | 130 |
| EMR-MES | 1,367 | 356 | 1,723 | 1,556 | 97 | 1,653 | 1,252 | 93 | 1,345 |
| AECD | 175 | --- | 175 | 302 | --- | 302 | 332 | --- | 332 |
| AECL | 1,320 | 55 | 1,375 | 1,309 | 38 | 1,347 | 1,518 | 27 | 1,545 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 2,210 | 737 | 2,947 | 2,541 | 611 | 3,152 | 3,060 | 844 | 3,904 |
| ENV-ES | 2,141 | 729 | 2,870 | 2,464 | 603 | 3,067 | 2,976 | 834 | 3,810 |
| ENV-EPS | 312 | --- | 312 | 315 | --- | 315 | 315 | --- | 315 |
| ENV-AES | 413 | 483 | 896 | 413 | 320 | 733 | 732 | 490 | 1,222 |
| ENV-ECS | 463 | 246 | 709 | 461 | 283 | 744 | 511 | 344 | 855 |
| ENV-FOR | 953 | --- | 953 | 1,275 | --- | 1,275 | 1,418 | --- | 1,418 |
| ENV-PC | 69 | 8 | 77 | 77 | 8 | 85 | 84 | 10 | 94 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| CIDA | --- | 776 | 776 | --- | 854 | 854 | --- | 940 | 940 |
| IDRC | 379 | --- | 379 | 437 | --- | 437 | 694 | 90 | 784 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 1,193 | 8 | 1,201 | 1,220 | 8 | 1,228 | 1,197 | 9 | 1,206 |
| F&O-FM | 1,193 | 8 | 1,201 | 1,220 | 8 | 1,228 | 1,197 | 9 | 1,206 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 591 | --- | 591 | 557 | --- | 557 | 506 | --- | 506 |
| IAND-NA | 591 | --- | 591 | 557 | --- | 557 | 506 | --- | 506 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 847 | 453 | 1,300 | 1,658 | 595 | 2,253 | 1,765 | 595 | 2,360 |
| ITC-TI | 747 | 453 | 1,200 | 1,593 | 595 | 2,188 | 1,765 | 595 | 2,360 |
| ITC-GO | 100 | --- | 100 | 65 | --- | 65 | --- | --- | 0 |
| JUSTICE | | | | | | | | | |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 1,987 | --- | 1,987 | 2,995 | --- | 2,995 | 3,164 | --- | 3,164 |
| NDEF-SER | 1,987 | --- | 1,987 | 2,995 | --- | 2,995 | 3,164 | --- | 3,164 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 3,958 | 1,443 | 5,401 | 5,342 | 1,466 | 6,808 | 4,396 | 1,501 | 5,897 |
| NHW-HSS | 3,928 | 1,157 | 5,085 | 5,099 | 1,088 | 6,187 | 4,141 | 1,087 | 5,228 |
| NHW-HP | 30 | 286 | 316 | 243 | 378 | 621 | 255 | 414 | 669 |
| MRC | 63,980 | 1,968 | 65,948 | 75,203 | 2,291 | 77,494 | 81,091 | 2,500 | 83,591 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PUBLIC WORKS | | | | | | | | | |
| PW | 60 | 11 | 71 | --- | 43 | 43 | 10 | 5 | 15 |
| PW-PTS | 60 | 11 | 71 | --- | 43 | 43 | 10 | 5 | 15 |
| CMHC | 55 | 22 | 77 | 43 | 2 | 45 | 47 | 2 | 49 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 10,843 | 407 | 11,250 | 15,349 | 454 | 15,803 | 18,753 | 653 | 19,406 |
| NRC-SIR | 10,843 | 407 | 11,250 | 15,349 | 454 | 15,803 | 18,753 | 653 | 19,406 |
| NSERC | 104,917 | 8,230 | 113,147 | 138,891 | 12,675 | 151,566 | 150,435 | 17,551 | 167,986 |
| SECRETARY OF STATE | | | | | | | | | |
| SOLICITOR GENERAL | | | | | | | | | |
| RCMP | 6 | --- | 6 | 35 | --- | 35 | 25 | --- | 25 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 1,402 | 281 | 1,683 | 1,292 | 291 | 1,583 | 1,329 | 274 | 1,603 |
| SS-SUPP | 1,402 | 281 | 1,683 | 1,292 | 291 | 1,583 | 1,329 | 274 | 1,603 |
| TRANSPORT | | | | | | | | | |
| TPT | 983 | 13 | 996 | --- | --- | 0 | --- | --- | 0 |
| TPT-ADM | 963 | --- | 963 | --- | --- | 0 | --- | --- | 0 |
| TPT-AIR | 20 | 13 | 33 | --- | --- | 0 | --- | --- | 0 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 200,557 | 15,021 | 215,578 | 253,586 | 19,734 | 273,320 | 274,316 | 25,401 | 299,717 |

*** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 28

NATURAL SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
NON-PROFIT INSTITUTIONS, BY DEPARTMENT OR AGENCY
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|--------|---------|-------|--------|---------|-------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 423 | --- | 423 | 485 | --- | 485 | 465 | --- | 465 |
| AGR-RI | 423 | --- | 423 | 485 | --- | 485 | 465 | --- | 465 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 2 | --- | 2 | --- | --- | 0 | --- | --- | 0 |
| COMM-COMM | 2 | --- | 2 | --- | --- | 0 | --- | --- | 0 |
| NMUS | --- | 438 | 438 | --- | 569 | 569 | --- | 562 | 562 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 1,449 | 41 | 1,490 | 1,591 | 32 | 1,623 | 1,480 | 32 | 1,512 |
| EMR-ENER | 1,299 | --- | 1,299 | 1,351 | --- | 1,351 | 1,351 | --- | 1,351 |
| EMR-MES | 150 | 41 | 191 | 240 | 32 | 272 | 129 | 32 | 161 |
| AECEB | 84 | --- | 84 | 10 | --- | 10 | 11 | --- | 11 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 2,698 | 181 | 2,879 | 3,935 | 229 | 4,164 | 5,045 | 224 | 5,269 |
| ENV-ES | 2,698 | 37 | 2,735 | 3,935 | 71 | 4,006 | 5,045 | 50 | 5,095 |
| ENV-EPS | 75 | --- | 75 | 75 | --- | 75 | 75 | --- | 75 |
| ENV-AES | 73 | 19 | 92 | --- | 53 | 53 | --- | 32 | 32 |
| ENV-ECS | 10 | 18 | 28 | 9 | 18 | 27 | 9 | 18 | 27 |
| ENV-FOR | 2,540 | --- | 2,540 | 3,851 | --- | 3,851 | 4,961 | --- | 4,961 |
| ENV-FC | --- | 144 | 144 | --- | 158 | 158 | --- | 174 | 174 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| CIDA | --- | 109 | 109 | --- | --- | 0 | --- | --- | 0 |
| IDRC | --- | --- | 0 | --- | --- | 0 | 50 | --- | 50 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 1,432 | 325 | 1,757 | 1,485 | 325 | 1,810 | 1,479 | --- | 1,479 |
| F&O-FM | 1,432 | 325 | 1,757 | 1,485 | 325 | 1,810 | 1,479 | --- | 1,479 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 53 | --- | 53 | 53 | --- | 53 | 53 | --- | 53 |
| IAND-NA | 53 | --- | 53 | 53 | --- | 53 | 53 | --- | 53 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 350 | 30 | 380 | 375 | 55 | 430 | 375 | 55 | 430 |
| ITC-TI | --- | 30 | 30 | --- | 55 | 55 | --- | 55 | 55 |
| ITC-GO | 350 | --- | 350 | 375 | --- | 375 | 375 | --- | 375 |
| JUSTICE | | | | | | | | | |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 23 | --- | 23 | --- | --- | 0 | --- | --- | 0 |
| NDEF-SER | 23 | --- | 23 | --- | --- | 0 | --- | --- | 0 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 909 | 526 | 1,435 | 851 | 762 | 1,613 | 816 | 763 | 1,579 |
| NHW-HSS | 745 | 421 | 1,166 | 807 | 762 | 1,569 | 772 | 763 | 1,535 |
| NHW-HP | 164 | 105 | 269 | 44 | --- | 44 | 44 | --- | 44 |
| MRC | --- | 121 | 121 | --- | 121 | 121 | --- | 132 | 132 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PUBLIC WORKS | | | | | | | | | |
| PW | --- | 33 | 33 | --- | 49 | 49 | --- | 34 | 34 |
| PW-PTS | --- | 33 | 33 | --- | 49 | 49 | --- | 34 | 34 |
| CMHC | 233 | 18 | 251 | 73 | 45 | 118 | 81 | 49 | 130 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 155 | --- | 155 | 140 | --- | 140 | 140 | 66 | 206 |
| NRC-SIR | 155 | --- | 155 | 140 | --- | 140 | 140 | --- | 140 |
| NRC-STI | --- | --- | 0 | --- | --- | 0 | --- | 66 | 66 |
| NSERC | 972 | 638 | 1,610 | 1,342 | 912 | 2,254 | 1,613 | 1,022 | 2,635 |
| SECRETARY OF STATE | | | | | | | | | |
| SOLICITOR GENERAL | | | | | | | | | |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 57 | 168 | 225 | 352 | 178 | 530 | 359 | 170 | 529 |
| SS-SUPP | 57 | 168 | 225 | 352 | 178 | 530 | 359 | 170 | 529 |
| TRANSPORT | | | | | | | | | |
| TPT | 50 | --- | 50 | 50 | --- | 50 | 50 | --- | 50 |
| TPT-SUR | 50 | --- | 50 | 50 | --- | 50 | 50 | --- | 50 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 8,890 | 2,628 | 11,518 | 10,742 | 3,277 | 14,019 | 12,017 | 3,109 | 15,126 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 23

NATURAL SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
PROVINCIAL & MUNICIPAL GOVERNMENTS, BY DEPARTMENT OR AGENCY
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|--------|---------|-------|--------|---------|--------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 4 | --- | 4 | 1,095 | --- | 1,095 | 905 | --- | 905 |
| AGR-RI | 4 | --- | 4 | 1,095 | --- | 1,095 | 905 | --- | 905 |
| COMMUNICATIONS | | | | | | | | | |
| CMUS | --- | 2,528 | 2,528 | --- | 2,561 | 2,561 | --- | 2,520 | 2,520 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMS | 53,082 | --- | 53,082 | 66,259 | --- | 66,259 | 88,423 | --- | 88,423 |
| EMR-ENER | 53,039 | --- | 53,039 | 66,259 | --- | 66,259 | 88,423 | --- | 88,423 |
| EMR-MES | 43 | --- | 43 | --- | --- | 0 | --- | --- | 0 |
| RECB | 41 | --- | 41 | 58 | --- | 58 | 64 | --- | 64 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 240 | 3,206 | 3,446 | 238 | 3,276 | 3,514 | 270 | 3,972 | 4,242 |
| ENV-ES | 239 | 3,206 | 3,445 | 237 | 3,276 | 3,513 | 269 | 3,972 | 4,241 |
| ENV-EPS | 60 | --- | 60 | 60 | --- | 60 | 60 | --- | 60 |
| ENV-AES | --- | 140 | 140 | --- | 168 | 168 | --- | 184 | 184 |
| ENV-ECS | 76 | 3,066 | 3,142 | 57 | 3,108 | 3,165 | 69 | 3,788 | 3,857 |
| ENV-FOR | 103 | --- | 103 | 120 | --- | 120 | 140 | --- | 140 |
| ENV-PC | 1 | --- | 1 | 1 | --- | 1 | 1 | --- | 1 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | --- | 68 | 68 | --- | 20 | 20 | --- | 74 | 74 |
| F&O-FM | --- | 68 | 68 | --- | 20 | 20 | --- | 74 | 74 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| JUSTICE | | | | | | | | | |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 11 | --- | 11 | 100 | --- | 100 | --- | --- | 0 |
| NDEF-SER | 11 | --- | 11 | 100 | --- | 100 | --- | --- | 0 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 41 | 12 | 53 | 56 | 53 | 109 | 93 | 53 | 146 |
| NHW-HSS | 41 | --- | 41 | 56 | 42 | 98 | 93 | 40 | 133 |
| NHW-HP | --- | 12 | 12 | --- | 11 | 11 | --- | 13 | 13 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PUBLIC WORKS | | | | | | | | | |
| PM | --- | 5 | 5 | --- | --- | 0 | --- | --- | 0 |
| PM-PTS | --- | 5 | 5 | --- | --- | 0 | --- | --- | 0 |
| PMHC | 61 | 7 | 68 | 49 | 7 | 56 | 54 | 8 | 62 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | --- | 1,589 | 1,589 | --- | 3,021 | 3,021 | --- | 6,427 | 6,427 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| MRC | 266 | --- | 266 | 280 | --- | 280 | 971 | --- | 971 |
| MRC-SIR | 266 | --- | 266 | 280 | --- | 280 | 971 | --- | 971 |
| SECRETARY OF STATE | | | | | | | | | |
| SOLICITOR GENERAL | | | | | | | | | |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 15 | --- | 15 | --- | --- | 0 | --- | --- | 0 |
| SS-SUPP | 15 | --- | 15 | --- | --- | 0 | --- | --- | 0 |
| TRANSPORT | | | | | | | | | |
| TPT | 20 | --- | 20 | --- | --- | 0 | --- | --- | 0 |
| TPT-ADM | 20 | --- | 20 | --- | --- | 0 | --- | --- | 0 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 53,781 | 7,415 | 61,196 | 68,135 | 8,938 | 77,073 | 90,780 | 13,054 | 103,834 |

INTERANNUAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

FOREIGN, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|--------|---------|-------|--------|---------|-------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 12 | 7 | 19 | 53 | 9 | 62 | 33 | 9 | 42 |
| AGR-RI | 12 | 4 | 16 | 53 | 5 | 58 | 33 | 6 | 39 |
| CDC | --- | 3 | 3 | --- | 4 | 4 | --- | 3 | 3 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 1,440 | --- | 1,440 | 2,509 | --- | 2,509 | --- | --- | 0 |
| COMM-COMM | 1,440 | --- | 1,440 | 2,509 | --- | 2,509 | --- | --- | 0 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 1,013 | 16 | 1,029 | 970 | 17 | 987 | 993 | 20 | 1,013 |
| EMR-ENER | 100 | --- | 100 | 100 | --- | 100 | 100 | --- | 100 |
| EMR-MES | 913 | 16 | 929 | 870 | 17 | 887 | 893 | 20 | 913 |
| AECL | 61 | --- | 61 | 100 | --- | 100 | 125 | --- | 125 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 157 | 646 | 803 | 165 | 569 | 734 | 199 | 596 | 795 |
| ENV-ES | 157 | 646 | 803 | 165 | 569 | 734 | 199 | 596 | 795 |
| ENV-EPS | 16 | --- | 16 | 10 | --- | 10 | 15 | --- | 15 |
| ENV-AES | --- | 640 | 640 | 21 | 563 | 584 | --- | 590 | 590 |
| ENV-ECS | 27 | 6 | 33 | 26 | 6 | 32 | 26 | 6 | 32 |
| ENV-FOR | 114 | --- | 114 | 108 | --- | 108 | 158 | --- | 158 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| CIDA | 8,372 | 95 | 8,467 | 8,450 | 105 | 8,555 | 9,456 | 115 | 9,571 |
| IDRC | 14,564 | 522 | 15,086 | 15,835 | 902 | 16,737 | 18,456 | 922 | 19,378 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 75 | --- | 75 | 90 | --- | 90 | 29 | --- | 29 |
| F&O-FM | 75 | --- | 75 | 90 | --- | 90 | 29 | --- | 29 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| JUSTICE | | | | | | | | | |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 1,240 | --- | 1,240 | 1,363 | --- | 1,363 | 1,470 | --- | 1,470 |
| NDEF-SER | 1,240 | --- | 1,240 | 1,363 | --- | 1,363 | 1,470 | --- | 1,470 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 34 | 2 | 36 | 58 | --- | 58 | 25 | --- | 25 |
| NHW-HSS | 34 | --- | 34 | 58 | --- | 58 | 25 | --- | 25 |
| NHW-HP | --- | 2 | 2 | --- | --- | 0 | --- | --- | 0 |
| MRC | 2,583 | 24 | 2,607 | 2,829 | 31 | 2,860 | 3,086 | 34 | 3,120 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PUBLIC WORKS | | | | | | | | | |
| PW | 35 | 70 | 105 | 5 | 110 | 115 | --- | 115 | 115 |
| PW-PTS | 35 | 70 | 105 | 5 | 110 | 115 | --- | 115 | 115 |
| CMHC | 12 | --- | 12 | --- | 5 | 5 | --- | 5 | 5 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 1,037 | --- | 1,037 | 1,941 | --- | 1,941 | 2,179 | --- | 2,179 |
| NRC-SIR | 1,037 | --- | 1,037 | 1,941 | --- | 1,941 | 2,179 | --- | 2,179 |
| NSERC | 1,100 | 1,425 | 2,525 | 1,492 | 1,849 | 3,341 | 1,677 | 2,674 | 4,351 |
| SECRETARY OF STATE | | | | | | | | | |
| SOLICITOR GENERAL | | | | | | | | | |
| SUPPLY AND SERVICES | | | | | | | | | |
| TRANSPORT | | | | | | | | | |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 31,735 | 2,807 | 34,542 | 35,860 | 3,597 | 39,457 | 37,728 | 4,490 | 42,218 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 31

NATURAL SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

OTHER, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|--------|---------|-------|--------|---------|-------|-------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 677 | 2,921 | 3,598 | 832 | 1,923 | 2,755 | 804 | --- | 804 |
| AGR-RI | 677 | 2,921 | 3,598 | 832 | 1,923 | 2,755 | 804 | --- | 804 |
| COMMUNICATIONS | | | | | | | | | |
| NMUS | 105 | 464 | 569 | 109 | 306 | 415 | 125 | 302 | 427 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| ENR | 718 | 67 | 785 | 918 | 134 | 1,052 | 829 | 147 | 976 |
| ENR-MES | 718 | 67 | 785 | 918 | 134 | 1,052 | 829 | 147 | 976 |
| RECB | --- | --- | 0 | 17 | --- | 17 | 19 | --- | 19 |
| RECL | 343 | --- | 343 | 368 | --- | 368 | 130 | --- | 130 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 453 | 1,792 | 2,245 | 584 | 2,087 | 2,671 | 652 | 2,221 | 2,873 |
| ENV-ES | 422 | 1,787 | 2,209 | 550 | 2,082 | 2,632 | 615 | 2,215 | 2,830 |
| ENV-EPS | 180 | 65 | 245 | 290 | 58 | 348 | 285 | 47 | 332 |
| ENV-AES | 70 | 1,483 | 1,553 | 76 | 1,741 | 1,817 | 99 | 1,824 | 1,923 |
| ENV-ECS | 160 | 239 | 399 | 180 | 283 | 463 | 217 | 344 | 561 |
| ENV-FOR | 12 | --- | 12 | 4 | --- | 4 | 14 | --- | 14 |
| ENV-PC | 31 | 5 | 36 | 34 | 5 | 39 | 37 | 6 | 43 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| IOEC | 102 | 34 | 136 | 93 | 31 | 124 | 89 | 36 | 125 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| FAO | 315 | 823 | 1,138 | 330 | 223 | 553 | 343 | 654 | 997 |
| FAO-FM | 315 | 823 | 1,138 | 330 | 223 | 553 | 343 | 654 | 997 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IND | --- | --- | 0 | 2 | --- | 2 | 2 | --- | 2 |
| IND-NA | --- | --- | 0 | 2 | --- | 2 | 2 | --- | 2 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 100 | --- | 100 | 100 | --- | 100 | 100 | --- | 100 |
| ITC-TI | 100 | --- | 100 | 100 | --- | 100 | 100 | --- | 100 |
| JUSTICE | | | | | | | | | |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 291 | --- | 291 | 181 | --- | 181 | 275 | --- | 275 |
| NDEF-SER | 291 | --- | 291 | 181 | --- | 181 | 275 | --- | 275 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHM | 90 | 36 | 126 | 59 | 77 | 136 | 131 | 77 | 208 |
| NHM-HSS | --- | --- | 0 | 10 | --- | 10 | 79 | 5 | 84 |
| NHM-HP | 90 | 36 | 126 | 49 | 77 | 126 | 52 | 72 | 124 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PUBLIC WORKS | | | | | | | | | |
| PM | --- | 96 | 96 | --- | 97 | 97 | --- | 29 | 29 |
| PM-PTS | --- | 96 | 96 | --- | 97 | 97 | --- | 29 | 29 |
| PMAC | 10 | 57 | 67 | 10 | 52 | 62 | 11 | 57 | 68 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| NRC | 805 | 781 | 1,586 | 557 | 852 | 1,409 | 652 | 946 | 1,598 |
| NRC-SIR | 805 | 781 | 1,586 | 557 | 852 | 1,409 | 652 | 946 | 1,598 |
| SECRETARY OF STATE | | | | | | | | | |
| SOLICITOR GENERAL | | | | | | | | | |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 242 | 104 | 346 | 118 | 91 | 209 | 110 | 85 | 195 |
| SS-SUPP | 242 | 104 | 346 | 118 | 91 | 209 | 110 | 85 | 195 |
| TRANSPORT | | | | | | | | | |
| TPT | --- | --- | 0 | 95 | 368 | 463 | --- | 380 | 380 |
| TPT-AIR | --- | --- | 0 | 95 | 368 | 463 | --- | 380 | 380 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 4,251 | 7,175 | 11,426 | 4,373 | 6,241 | 10,614 | 4,272 | 4,934 | 9,206 |

* INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON RESEARCH AND DEVELOPMENT
BY PERFORMER, 1979-1982

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|-----------|---------|-----------|---------|-----------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 587,725 | (53.4) | 664,565 | (51.2) | 772,510 | (51.7) |
| INDUSTRY | 213,369 | (19.4) | 260,503 | (20.1) | 303,441 | (20.3) |
| UNIVERSITIES | 200,557 | (18.2) | 253,586 | (19.5) | 274,316 | (18.3) |
| NON-PROFIT INSTITUTIONS | 8,890 | (0.8) | 10,742 | (0.8) | 12,017 | (0.8) |
| PROVINCIAL & MUNICIPAL | 53,781 | (4.9) | 68,135 | (5.3) | 90,780 | (6.1) |
| FOREIGN | 31,735 | (2.9) | 35,860 | (2.8) | 37,728 | (2.5) |
| OTHER CANADIAN | 4,251 | (0.4) | 4,373 | (0.3) | 4,272 | (0.3) |
| TOTAL | 1,100,308 | (100.0) | 1,297,764 | (100.0) | 1,495,064 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON RELATED SCIENTIFIC ACTIVITIES

BY PERFORMER, 1979-1982

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|---------|---------|---------|---------|---------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 313,388 | (79.5) | 341,167 | (78.5) | 376,581 | (77.5) |
| INDUSTRY | 45,792 | (11.6) | 51,701 | (11.9) | 58,089 | (12.0) |
| UNIVERSITIES | 15,021 | (3.8) | 19,734 | (4.5) | 25,401 | (5.2) |
| NON-PROFIT INSTITUTIONS | 2,628 | (0.7) | 3,277 | (0.8) | 3,109 | (0.6) |
| PROVINCIAL & MUNICIPAL | 7,415 | (1.9) | 8,938 | (2.1) | 13,054 | (2.7) |
| FOREIGN | 2,807 | (0.7) | 3,597 | (0.8) | 4,490 | (0.9) |
| OTHER CANADIAN | 7,175 | (1.8) | 6,241 | (1.4) | 4,934 | (1.0) |
| TOTAL | 394,226 | (100.0) | 434,655 | (100.0) | 485,658 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 34

NATURAL SCIENCES

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RESEARCH AND DEVELOPMENT

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|-----------------|-----------------|---------|-----------------|-----------------|---------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 127,274 | 6,717 | 133,991 | 134,880 | 8,606 | 143,486 | 153,343 | 8,122 | 161,465 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-RI | 121,252 | 6,717 | 127,969 | 127,704 | 8,606 | 136,310 | 144,134 | 8,122 | 152,256 |
| AGR-CGC | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| CDC | 1,336 | --- | 1,336 | 1,503 | --- | 1,503 | 1,653 | --- | 1,653 |
| CLFB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 38,711 | 14,772 | 53,483 | 43,423 | 22,150 | 65,573 | 37,728 | 12,749 | 50,477 |
| COMM-COMM | 38,711 | 14,772 | 53,483 | 43,423 | 22,150 | 65,573 | 37,728 | 12,749 | 50,477 |
| COMM-AC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CRTC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NFB | 298 | --- | 298 | 412 | --- | 412 | 456 | --- | 456 |
| NLIB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NMUS | 1,146 | 105 | 1,251 | 973 | 109 | 1,082 | 2,048 | 125 | 2,173 |
| PA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CON | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-COR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CICP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 55,516 | 67,512 | 123,028 | 66,934 | 93,762 | 160,696 | 105,751 | 123,412 | 229,163 |
| EMR-ENER | 798 | 57,841 | 58,639 | 4,081 | 83,571 | 87,652 | 35,683 | 111,804 | 147,487 |
| EMR-MES | 54,718 | 9,671 | 64,389 | 62,853 | 10,191 | 73,044 | 70,068 | 11,608 | 81,676 |
| AECB | 159 | 416 | 575 | 200 | 568 | 768 | 226 | 625 | 851 |
| AECI | 63,909 | 11,501 | 75,410 | 70,898 | 12,186 | 83,084 | 81,676 | 11,591 | 93,267 |
| NEB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENVIRONMENT | | | | | | | | | |
| ENV | 53,674 | 16,099 | 69,773 | 61,183 | 19,789 | 80,972 | 71,811 | 22,362 | 94,173 |
| ENV-ADM | 417 | --- | 417 | 399 | --- | 399 | 432 | --- | 432 |
| ENV-ES | 53,158 | 15,881 | 69,039 | 60,675 | 19,549 | 80,224 | 71,260 | 22,099 | 93,359 |
| ENV-EPS | 1,923 | 2,393 | 4,316 | 2,148 | 3,015 | 5,163 | 2,398 | 2,950 | 5,348 |
| ENV-AES | 11,101 | 556 | 11,657 | 11,604 | 510 | 12,114 | 13,045 | 831 | 13,876 |
| ENV-ECS | 15,692 | 1,254 | 16,946 | 15,880 | 1,242 | 17,122 | 18,978 | 1,452 | 20,430 |
| ENV-FOR | 24,442 | 11,678 | 36,120 | 31,043 | 14,782 | 45,825 | 36,839 | 16,866 | 53,705 |
| ENV-PC | 99 | 218 | 317 | 109 | 240 | 349 | 119 | 263 | 382 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CIDA | 128 | 8,372 | 8,500 | 145 | 8,450 | 8,595 | 164 | 9,456 | 9,620 |
| IDRC | 2,777 | 15,045 | 17,822 | 3,225 | 16,365 | 19,590 | 3,748 | 19,289 | 23,037 |
| FINANCE | | | | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 48,210 | 6,301 | 54,511 | 50,209 | 6,475 | 56,684 | 54,919 | 8,286 | 63,205 |
| F&O-FM | 48,210 | 6,301 | 54,511 | 50,209 | 6,475 | 56,684 | 54,919 | 8,286 | 63,205 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 937 | 797 | 1,734 | 1,075 | 820 | 1,895 | 1,096 | 761 | 1,857 |
| IAND-IIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| IAND-NA | 937 | 797 | 1,734 | 1,075 | 820 | 1,895 | 1,096 | 761 | 1,857 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 6,432 | 75,269 | 81,701 | 9,413 | 87,745 | 97,158 | 10,351 | 112,726 | 123,077 |
| ITC-TI | 6,360 | 73,549 | 79,909 | 9,363 | 86,855 | 96,218 | 10,296 | 112,251 | 122,547 |
| ITC-TOUR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ITC-GO | 72 | 1,720 | 1,792 | 50 | 890 | 940 | 55 | 475 | 530 |

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RESEARCH AND DEVELOPMENT

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------------|-----------------|-----------|-----------------|-----------------|-----------|-----------------|-----------------|-----------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | | | | |
| LAB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 57,956 | 26,802 | 84,758 | 62,458 | 33,458 | 95,916 | 67,866 | 39,549 | 107,415 |
| NDEF-SER | 57,956 | 26,802 | 84,758 | 62,458 | 33,458 | 95,916 | 67,866 | 39,549 | 107,415 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 8,475 | 5,090 | 13,565 | 12,933 | 6,622 | 19,555 | 15,959 | 5,761 | 21,720 |
| NHW-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-MSS | 410 | 4,766 | 5,176 | 479 | 6,080 | 6,559 | 513 | 5,195 | 5,708 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 7,930 | 324 | 8,254 | 11,014 | 542 | 11,556 | 13,825 | 566 | 14,391 |
| NHW-IS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MRC | 1,272 | 66,563 | 67,835 | 1,435 | 78,032 | 79,467 | 1,608 | 84,177 | 85,785 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | | | | |
| PO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ECC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PUBLIC WORKS | | | | | | | | | |
| PW | 1,641 | 1,910 | 3,551 | 1,318 | 2,942 | 4,260 | 353 | 1,055 | 1,408 |
| PW-PTS | 1,641 | 1,910 | 3,551 | 1,318 | 2,942 | 4,260 | 353 | 1,055 | 1,408 |
| CMHC | 1,080 | 1,036 | 2,116 | 1,350 | 718 | 2,068 | 1,485 | 790 | 2,275 |
| NCC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | 109,092 | 61,515 | 170,607 | 129,508 | 71,599 | 201,107 | 148,355 | 83,717 | 232,072 |
| NRC-SIP | 109,092 | 61,515 | 170,607 | 129,508 | 71,599 | 201,107 | 148,355 | 83,717 | 232,072 |
| NRC-STI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NSERC | 1,818 | 108,482 | 110,300 | 2,957 | 144,071 | 147,028 | 3,451 | 156,457 | 159,908 |
| SC | | | | | | | | | |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-CIT | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SGEN-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RCP | --- | 31 | 31 | --- | 130 | 130 | 214 | 128 | 342 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 72 | 11,751 | 11,823 | 79 | 11,746 | 11,825 | 87 | 11,985 | 12,072 |
| SS-SUPP | 72 | 11,751 | 11,823 | 79 | 11,746 | 11,825 | 87 | 11,985 | 12,072 |
| STCAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | | | | |
| TPT | 7,148 | 6,497 | 13,645 | 9,557 | 6,856 | 16,413 | 9,815 | 9,431 | 19,246 |
| TPT-ADM | 591 | 6,317 | 6,908 | 1,287 | 6,706 | 7,993 | 1,130 | 9,181 | 10,311 |
| TPT-MAR | 3,518 | --- | 3,518 | 5,363 | --- | 5,363 | 5,788 | 50 | 5,838 |
| TPT-AIR | 3,034 | 130 | 3,164 | 2,902 | 100 | 3,002 | 2,892 | 150 | 3,042 |
| TPT-SUR | 5 | 50 | 55 | 5 | 50 | 55 | 5 | 50 | 55 |
| CTC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TREASURY BOARD | | | | | | | | | |
| TB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL | 587,725 | 512,583 | 1,100,308 | 664,565 | 633,199 | 1,297,764 | 772,510 | 722,554 | 1,495,064 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN INDUSTRY

BY DEPARTMENT OR AGENCY, 1979-1982

(\\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|---------------------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| AGRICULTURE | | | | | | |
| AGR | --- | 2,122 | --- | 2,390 | --- | 2,278 |
| AGR-ADM | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- |
| AGR-RI | --- | 2,122 | --- | 2,390 | --- | 2,278 |
| AGR-CGC | --- | --- | --- | --- | --- | --- |
| CDC | --- | --- | --- | --- | --- | --- |
| CLFB | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | |
| COMM | 8,045 | 4,485 | 10,406 | 8,260 | 2,488 | 9,286 |
| COMM-COMM | 8,045 | 4,485 | 10,406 | 8,260 | 2,488 | 9,286 |
| COMM-AC | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- |
| CRTC | --- | --- | --- | --- | --- | --- |
| NFB | --- | --- | --- | --- | --- | --- |
| NLIB | --- | --- | --- | --- | --- | --- |
| NMUS | --- | --- | --- | --- | --- | --- |
| PA | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | |
| CCA | --- | --- | --- | --- | --- | --- |
| CCA-ADM | --- | --- | --- | --- | --- | --- |
| CCA-CON | --- | --- | --- | --- | --- | --- |
| CCA-COR | --- | --- | --- | --- | --- | --- |
| CCA-CICP | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | |
| ED | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | |
| EI | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | |
| EMR | 2,865 | 7,013 | 15,101 | 7,237 | 18,370 | 11,935 |
| EMR-ENER | 2,865 | 533 | 15,101 | 630 | 18,370 | 3,430 |
| EMR-MES | --- | 6,480 | --- | 6,607 | --- | 8,505 |
| AECB | --- | 116 | --- | 181 | --- | 199 |
| AECL | --- | 9,777 | --- | 10,409 | --- | 9,818 |
| NEB | --- | --- | --- | --- | --- | --- |
| ENVIRONMENT | | | | | | |
| ENV | 2,300 | 8,041 | 2,300 | 10,026 | 2,300 | 10,836 |
| ENV-ADM | --- | --- | --- | --- | --- | --- |
| ENV-ES | 2,300 | 7,924 | 2,300 | 9,898 | 2,300 | 10,695 |
| ENV-EPS | --- | 1,750 | --- | 2,265 | --- | 2,200 |
| ENV-AES | --- | --- | --- | --- | --- | --- |
| ENV-ECS | --- | 518 | --- | 509 | --- | 620 |
| ENV-FOR | 2,300 | 5,656 | 2,300 | 7,124 | 2,300 | 7,875 |
| ENV-PC | --- | 117 | --- | 128 | --- | 141 |
| EXTERNAL AFFAIRS | | | | | | |
| EA | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- |
| CIDA | --- | --- | --- | --- | --- | --- |
| IDRC | --- | --- | --- | --- | --- | --- |
| FINANCE | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | |
| F&O | --- | 3,286 | --- | 3,350 | --- | 5,238 |
| F&O-FM | --- | 3,286 | --- | 3,350 | --- | 5,238 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | |
| IAND | --- | 153 | --- | 208 | --- | 200 |
| IAND-IIA | --- | --- | --- | --- | --- | --- |
| IAND-NA | --- | 153 | --- | 208 | --- | 200 |
| INDUSTRY TRADE AND COMMERCE | | | | | | |
| ITC | 73,972 | --- | 85,612 | --- | 110,486 | --- |
| ITC-TI | 72,702 | --- | 85,162 | --- | 110,386 | --- |
| ITC-TOUR | --- | --- | --- | --- | --- | --- |
| ITC-GO | 1,270 | --- | 450 | --- | 100 | --- |

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN INDUSTRY
BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|-----------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| JUSTICE | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | |
| LAB | --- | --- | --- | --- | --- | --- |
| NATIONAL DEFENCE | | | | | | |
| NDEF | --- | 23,250 | --- | 28,819 | --- | 34,640 |
| NDEF-SER | --- | 23,250 | --- | 28,819 | --- | 34,640 |
| NATIONAL HEALTH AND WELFARE | | | | | | |
| NHW | 15 | 43 | 15 | 241 | 15 | 285 |
| NHW-ADM | --- | --- | --- | --- | --- | --- |
| NHW-HSS | --- | 18 | --- | 50 | --- | 85 |
| NHW-MS | --- | --- | --- | --- | --- | --- |
| NHW-HP | 15 | 25 | 15 | 191 | 15 | 200 |
| NHW-IS | --- | --- | --- | --- | --- | --- |
| MRC | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | |
| PO | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | |
| PC | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- |
| ECC | --- | --- | --- | --- | --- | --- |
| PUBLIC WORKS | | | | | | |
| PW | --- | 1,815 | --- | 2,937 | --- | 1,045 |
| PW-PTS | --- | 1,815 | --- | 2,937 | --- | 1,045 |
| CMHC | 32 | 633 | --- | 543 | --- | 597 |
| NCC | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | |
| REE | --- | --- | --- | --- | --- | --- |
| SCIENCE AND TECHNOLOGY | | | | | | |
| ST | --- | --- | --- | --- | --- | --- |
| NRC | 25,583 | 22,826 | 22,381 | 30,951 | 27,434 | 33,588 |
| NRC-SIR | 25,583 | 22,826 | 22,381 | 30,951 | 27,434 | 33,588 |
| NRC-STI | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- |
| SC | --- | --- | --- | --- | --- | --- |
| SECRETARY OF STATE | | | | | | |
| SECS | --- | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- |
| SECS-CIT | --- | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | |
| SGEN | --- | --- | --- | --- | --- | --- |
| SGEN-ADM | --- | --- | --- | --- | --- | --- |
| RCMP | --- | 25 | --- | 95 | --- | 103 |
| SUPPLY AND SERVICES | | | | | | |
| SS | --- | 10,035 | --- | 9,984 | --- | 10,187 |
| SS-SUPP | --- | 10,035 | --- | 9,984 | --- | 10,187 |
| STCAN | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | |
| TPT | --- | 5,444 | --- | 6,711 | --- | 9,381 |
| TPT-ADM | --- | 5,334 | --- | 6,706 | --- | 9,181 |
| TPT-MAR | --- | --- | --- | --- | --- | 50 |
| TPT-AIR | --- | 110 | --- | 5 | --- | 150 |
| TPT-SUR | --- | --- | --- | --- | --- | --- |
| CTC | --- | --- | --- | --- | --- | --- |
| TREASURY BOARD | | | | | | |
| TB | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- |
| TOTAL | 112,812 | 99,064 | 135,815 | 122,342 | 161,093 | 139,616 |

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN UNIVERSITIES AND NON-PROFIT INSTITUTIONS
BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|---------------------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| AGRICULTURE | | | | | | |
| AGR | 1,372 | 2,530 | 1,386 | 2,850 | 1,386 | 2,716 |
| AGR-ADM | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- |
| AGR-RI | 1,372 | 2,530 | 1,386 | 2,850 | 1,386 | 2,716 |
| AGR-CGC | --- | --- | --- | --- | --- | --- |
| CDC | --- | --- | --- | --- | --- | --- |
| CLFB | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | |
| COMM | 2 | 800 | 25 | 950 | 25 | 950 |
| COMM-COMM | 2 | 800 | 25 | 950 | 25 | 950 |
| COMM-AC | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- |
| CRTC | --- | --- | --- | --- | --- | --- |
| NFB | --- | --- | --- | --- | --- | --- |
| NLIB | --- | --- | --- | --- | --- | --- |
| NMUS | --- | --- | --- | --- | --- | --- |
| PA | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | |
| CCA | --- | --- | --- | --- | --- | --- |
| CCA-ADM | --- | --- | --- | --- | --- | --- |
| CCA-CON | --- | --- | --- | --- | --- | --- |
| CCA-COR | --- | --- | --- | --- | --- | --- |
| CCA-CICP | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | |
| ED | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | |
| EI | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | |
| EMR | 1,769 | 1,052 | 1,859 | 1,418 | 1,728 | 1,134 |
| EMR-ENER | 1,304 | --- | 1,481 | --- | 1,481 | --- |
| EMR-MES | 465 | 1,052 | 378 | 1,418 | 247 | 1,134 |
| AECB | --- | 259 | --- | 312 | --- | 343 |
| AECL | --- | 1,320 | --- | 1,309 | --- | 1,518 |
| NEB | --- | --- | --- | --- | --- | --- |
| ENVIRONMENT | | | | | | |
| ENV | 2,196 | 2,712 | 2,182 | 4,294 | 2,895 | 5,210 |
| ENV-ADM | --- | --- | --- | --- | --- | --- |
| ENV-ES | 2,196 | 2,643 | 2,182 | 4,217 | 2,895 | 5,126 |
| ENV-EPS | --- | 387 | --- | 390 | --- | 390 |
| ENV-AES | 266 | 220 | 283 | 130 | 300 | 432 |
| ENV-ECS | 238 | 235 | 237 | 233 | 237 | 283 |
| ENV-FOR | 1,692 | 1,801 | 1,662 | 3,464 | 2,358 | 4,021 |
| ENV-PC | --- | 69 | --- | 77 | --- | 84 |
| EXTERNAL AFFAIRS | | | | | | |
| EA | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- |
| CIDA | --- | --- | --- | --- | --- | --- |
| IDRC | 379 | --- | 437 | --- | 744 | --- |
| FINANCE | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | |
| F&O | 585 | 1,987 | 585 | 2,060 | 510 | 2,166 |
| F&O-FM | 585 | 1,987 | 585 | 2,060 | 510 | 2,166 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | |
| IAND | 294 | 350 | 294 | 316 | 294 | 265 |
| IAND-IIA | --- | --- | --- | --- | --- | --- |
| IAND-NA | 294 | 350 | 294 | 316 | 294 | 265 |
| INDUSTRY TRADE AND COMMERCE | | | | | | |
| ITC | 1,197 | --- | 2,033 | --- | 2,140 | --- |
| ITC-TI | 747 | --- | 1,593 | --- | 1,765 | --- |
| ITC-TOUR | --- | --- | --- | --- | --- | --- |
| ITC-GO | 450 | --- | 440 | --- | 375 | --- |

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN UNIVERSITIES AND NON-PROFIT INSTITUTIONS
BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|-----------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| JUSTICE | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | |
| LAB | --- | --- | --- | --- | --- | --- |
| NATIONAL DEFENCE | | | | | | |
| NDEF | --- | 2,010 | --- | 2,995 | --- | 3,164 |
| NDEF-SER | --- | 2,010 | --- | 2,995 | --- | 3,164 |
| NATIONAL HEALTH AND WELFARE | | | | | | |
| NHW | 4,703 | 164 | 5,926 | 267 | 4,918 | 294 |
| NHW-ADM | --- | --- | --- | --- | --- | --- |
| NHW-HSS | 4,673 | --- | 5,896 | 10 | 4,888 | 25 |
| NHW-MS | --- | --- | --- | --- | --- | --- |
| NHW-HP | 30 | 164 | 30 | 257 | 30 | 269 |
| NHW-IS | --- | --- | --- | --- | --- | --- |
| MRC | 61,563 | --- | 72,143 | --- | 77,753 | --- |
| NATIONAL REVENUE | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | |
| PO | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | |
| PC | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- |
| DOC | --- | --- | --- | --- | --- | --- |
| PUBLIC WORKS | | | | | | |
| PM | --- | 60 | --- | --- | --- | 10 |
| PM-PTS | --- | 60 | --- | --- | --- | 10 |
| PMHC | --- | 288 | 19 | 97 | 21 | 107 |
| MCC | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | |
| REE | --- | --- | --- | --- | --- | --- |
| SCIENCE AND TECHNOLOGY | | | | | | |
| ST | --- | --- | --- | --- | --- | --- |
| MRC | 9,681 | 1,317 | 13,642 | 1,847 | 16,985 | 1,908 |
| MRC-SIR | 9,681 | 1,317 | 13,642 | 1,847 | 16,985 | 1,908 |
| MRC-STI | --- | --- | --- | --- | --- | --- |
| MSERC | 105,065 | --- | 137,472 | --- | 146,377 | --- |
| SC | --- | --- | --- | --- | --- | --- |
| SECRETARY OF STATE | | | | | | |
| SECS | --- | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- |
| SECS-CIT | --- | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | |
| SGEN | --- | --- | --- | --- | --- | --- |
| SGEN-ADM | --- | --- | --- | --- | --- | --- |
| ACMP | --- | 6 | --- | 35 | --- | 25 |
| SUPPLY AND SERVICES | | | | | | |
| SS | --- | 1,459 | --- | 1,644 | --- | 1,688 |
| SS-SUPP | --- | 1,459 | --- | 1,644 | --- | 1,688 |
| STCAN | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | |
| TPT | 766 | 20 | 50 | --- | 50 | --- |
| TPT-ADM | 716 | --- | --- | --- | --- | --- |
| TPT-MAR | --- | --- | --- | --- | --- | --- |
| TPT-AIR | --- | 20 | --- | --- | --- | --- |
| TPT-SUR | 50 | --- | 50 | --- | 50 | --- |
| CTC | --- | --- | --- | --- | --- | --- |
| TREASURY BOARD | | | | | | |
| TB | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- |
| TOTAL | 189,572 | 16,334 | 238,053 | 20,394 | 255,826 | 21,498 |

TABLE 37

NATURAL SCIENCES

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RELATED SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|-----------------|-----------------|---------|-----------------|-----------------|---------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 5,481 | 2,928 | 8,409 | 5,607 | 1,932 | 7,539 | 6,400 | 9 | 6,409 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | 3,134 | --- | 3,134 | 3,212 | --- | 3,212 | 3,729 | --- | 3,729 |
| AGR-RI | 851 | 2,925 | 3,776 | 709 | 1,928 | 2,637 | 812 | 6 | 818 |
| AGR-CGC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CDC | 1,496 | 3 | 1,499 | 1,686 | 4 | 1,690 | 1,859 | 3 | 1,862 |
| CLFB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 6 | --- | 6 | 29 | --- | 29 | 34 | --- | 34 |
| COMM-COMM | 6 | --- | 6 | 29 | --- | 29 | 34 | --- | 34 |
| COMM-AC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CRTC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NFB | 192 | 9 | 201 | 211 | 13 | 224 | 227 | 15 | 242 |
| NLIB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NMUS | 12,983 | 3,845 | 16,828 | 15,891 | 4,120 | 20,011 | 14,588 | 4,071 | 18,659 |
| PA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 9,613 | --- | 9,613 | 11,205 | --- | 11,205 | 12,088 | --- | 12,088 |
| CCA-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CON | 1,504 | --- | 1,504 | 1,678 | --- | 1,678 | 1,850 | --- | 1,850 |
| CCA-COR | 8,109 | --- | 8,109 | 9,527 | --- | 9,527 | 10,238 | --- | 10,238 |
| CCA-CICP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 30,372 | 3,706 | 34,078 | 30,388 | 4,368 | 34,756 | 37,477 | 4,295 | 41,772 |
| EMR-ENER | 347 | 40 | 387 | 428 | 40 | 468 | 1,446 | 120 | 1,566 |
| EMR-MES | 30,025 | 3,666 | 33,691 | 29,960 | 4,328 | 34,288 | 36,031 | 4,175 | 40,206 |
| AECB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AECI | 3,501 | 10,035 | 13,536 | 3,822 | 11,649 | 15,471 | 4,329 | 13,920 | 18,249 |
| NEB | 1,336 | --- | 1,336 | 1,425 | --- | 1,425 | 1,571 | --- | 1,571 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 127,607 | 8,303 | 135,910 | 143,655 | 8,922 | 152,577 | 164,768 | 10,272 | 175,040 |
| ENV-ADM | 898 | --- | 898 | 1,180 | --- | 1,180 | 1,189 | --- | 1,189 |
| ENV-ES | 125,816 | 8,088 | 133,904 | 141,493 | 8,687 | 150,180 | 162,498 | 10,012 | 172,510 |
| ENV-EPS | 2,469 | 290 | 2,759 | 2,668 | 303 | 2,971 | 2,535 | 287 | 2,822 |
| ENV-AES | 87,949 | 3,231 | 91,180 | 101,930 | 3,659 | 105,589 | 116,085 | 3,975 | 120,060 |
| ENV-ECS | 31,732 | 4,567 | 36,299 | 32,395 | 4,725 | 37,120 | 39,290 | 5,750 | 45,040 |
| ENV-FOR | 3,666 | --- | 3,666 | 4,500 | --- | 4,500 | 4,588 | --- | 4,588 |
| ENV-PC | 893 | 215 | 1,108 | 982 | 235 | 1,217 | 1,081 | 260 | 1,341 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CIDA | 366 | 23,321 | 23,687 | 411 | 23,747 | 24,158 | 465 | 26,578 | 27,043 |
| IDRC | 219 | 556 | 775 | 290 | 933 | 1,223 | 322 | 1,048 | 1,370 |
| FINANCE | | | | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 51,628 | 3,176 | 54,804 | 53,678 | 2,541 | 56,219 | 49,040 | 4,160 | 53,200 |
| F&O-FM | 51,628 | 3,176 | 54,804 | 53,678 | 2,541 | 56,219 | 49,040 | 4,160 | 53,200 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 592 | 21 | 613 | 671 | 21 | 692 | 762 | 21 | 783 |
| IAND-IIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| IAND-NA | 592 | 21 | 613 | 671 | 21 | 692 | 762 | 21 | 783 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | --- | 483 | 483 | --- | 650 | 650 | --- | 650 | 650 |
| ITC-TI | --- | 483 | 483 | --- | 650 | 650 | --- | 650 | 650 |
| ITC-TOUR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ITC-GO | --- | --- | --- | --- | --- | --- | --- | --- | --- |

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RELATED SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------------|-----------------|---------|-----------------|-----------------|---------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | | | | |
| LAB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 750 | --- | 750 | 780 | --- | 780 | 834 | --- | 834 |
| NDEF-SER | 750 | --- | 750 | 780 | --- | 780 | 834 | --- | 834 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 26,644 | 2,399 | 29,043 | 27,238 | 2,995 | 30,233 | 31,668 | 3,004 | 34,672 |
| NHW-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HSS | 150 | 1,578 | 1,728 | 191 | 1,985 | 2,176 | 232 | 1,951 | 2,183 |
| NHW-MS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HP | 26,494 | 821 | 27,315 | 27,047 | 1,010 | 28,057 | 31,436 | 1,053 | 32,489 |
| NHW-IS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MRC | 109 | 2,113 | 2,222 | 121 | 2,443 | 2,564 | 139 | 2,666 | 2,805 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | | | | |
| PO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ECC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PUBLIC WORKS | | | | | | | | | |
| PW | 1,436 | 760 | 2,196 | 2,626 | 1,424 | 4,050 | 5,158 | 1,091 | 6,249 |
| PW-PTS | 1,436 | 760 | 2,196 | 2,626 | 1,424 | 4,050 | 5,158 | 1,091 | 6,249 |
| CMHC | 578 | 301 | 879 | 630 | 1,071 | 1,701 | 693 | 1,178 | 1,871 |
| NCC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | --- | 1,589 | 1,589 | --- | 3,021 | 3,021 | --- | 6,427 | 6,427 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | 29,261 | 1,541 | 30,802 | 34,014 | 2,270 | 36,284 | 39,259 | 2,817 | 42,076 |
| NRC-SIR | 15,693 | 1,541 | 17,234 | 17,807 | 2,270 | 20,077 | 20,099 | 2,751 | 22,850 |
| NRC-STI | 13,568 | --- | 13,568 | 16,207 | --- | 16,207 | 19,160 | 66 | 19,226 |
| NSERC | 455 | 10,293 | 10,748 | 740 | 15,436 | 16,176 | 861 | 21,247 | 22,108 |
| SC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-CIT | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SGEN-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RCMP | --- | --- | --- | --- | --- | --- | 50 | --- | 50 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 14 | 2,216 | 2,230 | 15 | 2,237 | 2,252 | 16 | 2,115 | 2,131 |
| SS-SUPP | 14 | 2,216 | 2,230 | 15 | 2,237 | 2,252 | 16 | 2,115 | 2,131 |
| STCAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | | | | |
| TPT | 10,245 | 3,243 | 13,488 | 7,720 | 3,695 | 11,415 | 5,832 | 3,493 | 9,325 |
| TPT-ADM | 92 | 974 | 1,066 | 90 | 1,093 | 1,183 | 85 | 1,043 | 1,128 |
| TPT-MAR | 6,412 | --- | 6,412 | 5,593 | --- | 5,593 | 5,354 | --- | 5,354 |
| TPT-AIR | 222 | 2,269 | 2,491 | 1,618 | 2,602 | 4,220 | 392 | 2,450 | 2,842 |
| TPT-SUR | 3,519 | --- | 3,519 | 419 | --- | 419 | 1 | --- | 1 |
| CTC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TREASURY BOARD | | | | | | | | | |
| TB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL | 313,388 | 80,838 | 394,226 | 341,167 | 93,488 | 434,655 | 376,581 | 109,077 | 485,658 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1979-80

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|---------------------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| AGRICULTURE | | | | | | | | |
| AGR | 5 | 1,008 | 127 | 1,066 | 456 | 1,368 | --- | 4,030 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | 32 | 26 | 7 | 52 | --- | --- | 117 |
| AGR-RI | 5 | 905 | 99 | 943 | 391 | 1,330 | --- | 3,673 |
| AGR-CGC | --- | 51 | 1 | 57 | 4 | 35 | --- | 148 |
| CDC | --- | 20 | 1 | 59 | 9 | 3 | --- | 92 |
| CLFB | --- | --- | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | | | |
| COMM | 9 | 195 | 41 | 146 | 81 | 66 | --- | 538 |
| COMM-COMM | 9 | 195 | 41 | 146 | 81 | 66 | --- | 538 |
| COMM-AC | --- | --- | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- | --- | --- |
| CRTC | --- | --- | --- | --- | --- | --- | --- | --- |
| NFB | --- | 3 | --- | 9 | 1 | --- | --- | 13 |
| NLIB | --- | --- | --- | --- | --- | --- | --- | --- |
| NMUS | 3 | 29 | 67 | 93 | 45 | 92 | --- | 329 |
| PA | --- | --- | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | |
| CCA | 2 | 187 | 21 | 23 | 164 | 3 | --- | 400 |
| CCA-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-COM | 1 | 10 | 8 | 23 | 4 | 3 | --- | 49 |
| CCA-COR | 1 | 177 | 13 | --- | 160 | --- | --- | 351 |
| CCA-CICP | --- | --- | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | | | |
| ED | --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | | | |
| EI | --- | --- | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | | | |
| EMR | 6 | 869 | 53 | 866 | 291 | 189 | --- | 2,274 |
| EMR-ENER | 2 | 13 | --- | --- | 1 | --- | --- | 16 |
| EMR-MES | 4 | 856 | 53 | 866 | 290 | 189 | --- | 2,258 |
| AECB | --- | 6 | --- | --- | 1 | --- | --- | 7 |
| AECI | 16 | 613 | --- | 800 | 324 | 569 | --- | 2,322 |
| NEB | 1 | 27 | 1 | 7 | 11 | --- | --- | 47 |
| ENVIRONMENT | | | | | | | | |
| ENV | 24 | 1,545 | 373 | 1,959 | 649 | 128 | --- | 4,679 |
| ENV-ADM | --- | 12 | 12 | --- | 12 | --- | --- | 36 |
| ENV-ES | 24 | 1,514 | 361 | 1,959 | 636 | 125 | --- | 4,620 |
| ENV-EPS | 2 | 78 | 3 | 55 | 15 | 10 | --- | 162 |
| ENV-AES | 5 | 656 | 165 | 1,145 | 342 | 39 | --- | 2,352 |
| ENV-ECS | 7 | 316 | 160 | 248 | 274 | 76 | --- | 1,081 |
| ENV-FOR | 11 | 465 | 33 | 511 | 5 | --- | --- | 1,025 |
| ENV-PC | --- | 19 | --- | --- | 1 | 3 | --- | 23 |
| EXTERNAL AFFAIRS | | | | | | | | |
| EA | --- | --- | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- | --- | --- |
| CIDA | --- | --- | 9 | --- | 7 | --- | --- | 16 |
| IDRC | 2 | 32 | 1 | 1 | 24 | --- | --- | 60 |
| FINANCE | | | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | | | |
| F&O | 5 | 822 | 77 | 752 | 117 | 249 | --- | 2,022 |
| F&O-PM | 5 | 822 | 77 | 752 | 117 | 249 | --- | 2,022 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | |
| IAND | --- | 39 | 3 | 7 | 3 | 1 | --- | 53 |
| IAND-IIA | --- | --- | --- | --- | --- | --- | --- | --- |
| IAND-NA | --- | 39 | 3 | 7 | 3 | 1 | --- | 53 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | |
| ITC | --- | --- | 177 | --- | 87 | --- | --- | 264 |
| ITC-TI | --- | --- | 174 | --- | 87 | --- | --- | 261 |
| ITC-TOUR | --- | --- | --- | --- | --- | --- | --- | --- |
| ITC-GO | --- | --- | 3 | --- | --- | --- | --- | 3 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1979-80

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-----------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|--------|
| JUSTICE | | | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | | | |
| LAB | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL DEFENCE | | | | | | | | |
| NDEF | 12 | 524 | 100 | 502 | 258 | 271 | 164 | 1,831 |
| NDEF-SER | 12 | 524 | 100 | 502 | 258 | 271 | 164 | 1,831 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | |
| NHW | 6 | 499 | 25 | 253 | 211 | 29 | --- | 1,023 |
| NHW-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HSS | 1 | 6 | 4 | 1 | 5 | --- | --- | 17 |
| NHW-MS | --- | 2 | --- | --- | 1 | --- | --- | 3 |
| NHW-HP | 5 | 492 | 21 | 252 | 205 | 29 | --- | 1,004 |
| NHW-IS | --- | --- | --- | --- | --- | --- | --- | --- |
| MRC | 6 | 2 | 8 | --- | 24 | --- | --- | 40 |
| NATIONAL REVENUE | | | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | | | |
| PO | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- | --- | --- |
| ECC | --- | --- | --- | --- | --- | --- | --- | --- |
| PUBLIC WORKS | | | | | | | | |
| PW | --- | 41 | 7 | 9 | 1 | --- | --- | 58 |
| PW-PTS | --- | 41 | 7 | 9 | 1 | --- | --- | 58 |
| CMHC | 2 | 19 | 1 | 10 | 7 | --- | --- | 39 |
| NCC | --- | --- | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | |
| REE | --- | --- | --- | --- | --- | --- | --- | --- |
| SCIENCE AND TECHNOLOGY | | | | | | | | |
| ST | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | 5 | 1,092 | 208 | 981 | 582 | 292 | --- | 3,160 |
| NRC-SIR | 5 | 1,040 | 170 | 980 | 462 | 288 | --- | 2,945 |
| NRC-STI | --- | 52 | 38 | 1 | 120 | 4 | --- | 215 |
| NSERC | 4 | 2 | 23 | --- | 32 | --- | --- | 61 |
| SC | --- | --- | --- | --- | --- | --- | --- | --- |
| SECRETARY OF STATE | | | | | | | | |
| SECS | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-CIT | --- | --- | --- | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | |
| SGEN | --- | --- | --- | --- | --- | --- | --- | --- |
| SGEN-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | |
| SS | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| SS-SUPP | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| STCAN | --- | --- | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | | | |
| TPT | 1 | 176 | --- | 7 | 2 | 12 | --- | 199 |
| TPT-ADM | 0 | 54 | --- | 0 | 0 | 0 | --- | 55 |
| TPT-MAR | 1 | 6 | --- | 7 | 2 | 12 | --- | 28 |
| TPT-AIR | --- | 116 | --- | --- | --- | --- | --- | 116 |
| TPT-SUR | --- | --- | --- | --- | --- | --- | --- | --- |
| CTC | --- | --- | --- | --- | --- | --- | --- | --- |
| TREASURY BOARD | | | | | | | | |
| TB | --- | --- | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL | 110 | 7,730 | 1,323 | 7,491 | 3,380 | 3,269 | 164 | 23,468 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1980-81

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|---------------------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| AGRICULTURE | | | | | | | | |
| AGR | 5 | 1,027 | 130 | 1,057 | 437 | 1,365 | --- | 4,021 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | 38 | 28 | 4 | 49 | --- | --- | 119 |
| AGR-RI | 5 | 919 | 100 | 938 | 375 | 1,327 | --- | 3,664 |
| AGR-CGC | --- | 50 | 1 | 56 | 4 | 35 | --- | 146 |
| CDC | --- | 20 | 1 | 59 | 9 | 3 | --- | 92 |
| CLEB | --- | --- | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | | | |
| COMM | 9 | 207 | 42 | 149 | 86 | 66 | --- | 559 |
| COMM-COMM | 9 | 207 | 42 | 149 | 86 | 66 | --- | 559 |
| COMM-AC | --- | --- | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- | --- | --- |
| CATC | --- | --- | --- | --- | --- | --- | --- | --- |
| IFB | --- | 3 | --- | 8 | 1 | --- | --- | 12 |
| MLIB | --- | --- | --- | --- | --- | --- | --- | --- |
| MMUS | 3 | 29 | 67 | 93 | 45 | 90 | --- | 327 |
| PA | --- | --- | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | |
| CCA | 2 | 181 | 15 | 24 | 161 | 3 | --- | 386 |
| CCA-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CON | 1 | 11 | 8 | 24 | 6 | 3 | --- | 53 |
| CCA-COR | 1 | 170 | 7 | --- | 155 | --- | --- | 333 |
| CCA-CICP | --- | --- | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | | | |
| ED | --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | | | |
| EI | --- | --- | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | | | |
| EMR | 6 | 886 | 55 | 857 | 287 | 168 | --- | 2,259 |
| EMR-ENER | 2 | 13 | --- | --- | 1 | --- | --- | 16 |
| EMR-MES | 4 | 873 | 55 | 857 | 286 | 168 | --- | 2,243 |
| MECB | --- | 6 | --- | --- | 1 | --- | --- | 7 |
| MECL | 17 | 643 | --- | 818 | 325 | 569 | --- | 2,372 |
| MES | 1 | 28 | 1 | 5 | 8 | --- | --- | 43 |
| ENVIRONMENT | | | | | | | | |
| ENV | 27 | 1,541 | 371 | 1,948 | 655 | 128 | --- | 4,670 |
| ENV-ADM | --- | 12 | 13 | --- | 20 | --- | --- | 45 |
| ENV-ES | 27 | 1,508 | 359 | 1,948 | 634 | 125 | --- | 4,600 |
| ENV-EPS | 2 | 78 | 3 | 55 | 15 | 10 | --- | 162 |
| ENV-AES | 5 | 650 | 164 | 1,136 | 339 | 39 | --- | 2,333 |
| ENV-ECS | 7 | 315 | 160 | 248 | 274 | 76 | --- | 1,080 |
| ENV-FOR | 13 | 465 | 32 | 509 | 6 | --- | --- | 1,025 |
| ENV-PC | --- | 21 | --- | --- | 1 | 3 | --- | 25 |
| EXTERNAL AFFAIRS | | | | | | | | |
| EA | --- | --- | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- | --- | --- |
| ECDA | --- | --- | 9 | --- | 7 | --- | --- | 16 |
| EDRC | 2 | 32 | 3 | --- | 26 | --- | --- | 62 |
| FINANCE | | | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | | | |
| FO | 5 | 822 | 77 | 773 | 117 | 249 | --- | 2,043 |
| FO-FM | 5 | 822 | 77 | 773 | 117 | 249 | --- | 2,043 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | |
| IAND | --- | 37 | 3 | 6 | 1 | 1 | --- | 48 |
| IAND-IIA | --- | --- | --- | --- | --- | --- | --- | --- |
| IAND-NA | --- | 37 | 3 | 6 | 1 | 1 | --- | 48 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | |
| ITC | --- | --- | 223 | --- | 110 | --- | --- | 333 |
| ITC-TI | --- | --- | 220 | --- | 110 | --- | --- | 330 |
| ITC-TOUR | --- | --- | --- | --- | --- | --- | --- | --- |
| ITC-GO | --- | --- | 3 | --- | --- | --- | --- | 3 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1980-81

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-----------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|--------|
| JUSTICE | | | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | | | |
| LAB | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL DEFENCE | | | | | | | | |
| NDEF | 12 | 560 | 100 | 504 | 257 | 268 | 168 | 1,869 |
| NDEF-SER | 12 | 560 | 100 | 504 | 257 | 268 | 168 | 1,869 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | |
| NHW | 6 | 600 | 28 | 339 | 208 | 30 | --- | 1,210 |
| NHW-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HSS | 1 | 5 | 6 | 1 | 5 | --- | --- | 17 |
| NHW-MS | --- | 25 | --- | --- | 6 | --- | --- | 31 |
| NHW-HP | 5 | 570 | 22 | 338 | 197 | 30 | --- | 1,162 |
| NHW-IS | --- | --- | --- | --- | --- | --- | --- | --- |
| MRC | 5 | 2 | 8 | --- | 24 | --- | --- | 39 |
| NATIONAL REVENUE | | | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | | | |
| PO | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- | --- | --- |
| ECC | --- | --- | --- | --- | --- | --- | --- | --- |
| PUBLIC WORKS | | | | | | | | |
| PN | --- | 45 | 7 | 9 | 1 | --- | --- | 63 |
| PN-PTS | --- | 45 | 7 | 9 | 1 | --- | --- | 63 |
| PMHC | 2 | 19 | 1 | 10 | 7 | --- | --- | 39 |
| NCC | --- | --- | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | |
| REE | --- | --- | --- | --- | --- | --- | --- | --- |
| SCIENCE AND TECHNOLOGY | | | | | | | | |
| ST | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | 5 | 1,095 | 206 | 981 | 551 | 287 | --- | 3,125 |
| NRC-SIR | 5 | 1,036 | 174 | 980 | 435 | 283 | --- | 2,913 |
| NRC-STI | --- | 59 | 32 | 1 | 116 | 4 | --- | 212 |
| NSERC | 4 | 1 | 29 | --- | 41 | --- | --- | 75 |
| SC | --- | --- | --- | --- | --- | --- | --- | --- |
| SECRETARY OF STATE | | | | | | | | |
| SECS | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-CIT | --- | --- | --- | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | |
| SGEN | --- | --- | --- | --- | --- | --- | --- | --- |
| SGEN-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | |
| SS | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| SS-SUPP | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| STCAN | --- | --- | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | | | |
| TPT | 3 | 137 | 6 | 32 | 7 | 29 | --- | 213 |
| TPT-ADM | 0 | 45 | --- | 0 | 0 | 0 | --- | 46 |
| TPT-MAR | 1 | 5 | --- | 7 | 3 | 12 | --- | 27 |
| TPT-AIR | 2 | 86 | 6 | 25 | 4 | 17 | --- | 140 |
| TPT-SUR | --- | --- | --- | --- | --- | --- | --- | --- |
| CTC | --- | --- | --- | --- | --- | --- | --- | --- |
| TREASURY BOARD | | | | | | | | |
| TB | --- | --- | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL | 114 | 7,900 | 1,383 | 7,613 | 3,365 | 3,253 | 168 | 23,794 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
 BY DEPARTMENT OR AGENCY, BY CATEGORY, 1981-82
 (FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|---------------------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| AGRICULTURE | | | | | | | | |
| AGR | 6 | 1,033 | 132 | 1,047 | 438 | 1,377 | --- | 4,033 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEL | --- | 37 | 28 | 7 | 47 | --- | --- | 119 |
| AGR-RI | 6 | 925 | 102 | 924 | 377 | 1,339 | --- | 3,673 |
| AGR-CGC | --- | 51 | 1 | 58 | 4 | 35 | --- | 149 |
| CDC | --- | 20 | 1 | 58 | 10 | 3 | --- | 92 |
| CLFB | --- | --- | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | | | |
| COMM | 9 | 196 | 42 | 146 | 81 | 66 | --- | 540 |
| COMM-COMM | 9 | 196 | 42 | 146 | 81 | 66 | --- | 540 |
| COMM-AC | --- | --- | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- | --- | --- |
| CRTC | --- | --- | --- | --- | --- | --- | --- | --- |
| NFB | --- | 2 | --- | 7 | 1 | --- | --- | 10 |
| NLIB | --- | --- | --- | --- | --- | --- | --- | --- |
| NMUS | 3 | 29 | 65 | 93 | 50 | 80 | --- | 320 |
| PA | --- | --- | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | |
| CCA | 2 | 168 | 27 | 26 | 174 | 3 | --- | 400 |
| CCA-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CON | 1 | 10 | 8 | 26 | 7 | 3 | --- | 55 |
| CCA-COR | 1 | 158 | 19 | --- | 167 | --- | --- | 345 |
| CCA-CICP | --- | --- | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | | | |
| ED | --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | | | |
| EI | --- | --- | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | | | |
| EMR | 7 | 983 | 59 | 808 | 280 | 169 | --- | 2,305 |
| EMR-ENER | 3 | 95 | --- | --- | 1 | --- | --- | 98 |
| EMR-MES | 4 | 888 | 59 | 808 | 279 | 169 | --- | 2,207 |
| AECE | --- | 6 | --- | --- | 1 | --- | --- | 7 |
| AECL | 17 | 666 | --- | 834 | 334 | 576 | --- | 2,427 |
| NEB | 1 | 29 | 1 | 5 | 8 | --- | --- | 44 |
| ENVIRONMENT | | | | | | | | |
| ENV | 41 | 1,548 | 367 | 1,963 | 644 | 130 | --- | 4,692 |
| ENV-ADM | 13 | 13 | --- | 16 | --- | --- | --- | 41 |
| ENV-ES | 28 | 1,512 | 367 | 1,947 | 643 | 126 | --- | 4,623 |
| ENV-EPS | 2 | 77 | 3 | 55 | 15 | 10 | --- | 161 |
| ENV-AES | 5 | 651 | 171 | 1,130 | 348 | 40 | --- | 2,345 |
| ENV-ECS | 7 | 315 | 160 | 248 | 274 | 76 | --- | 1,080 |
| ENV-FOR | 14 | 469 | 33 | 514 | 6 | --- | --- | 1,037 |
| ENV-PC | --- | 23 | --- | --- | 1 | 4 | --- | 28 |
| EXTERNAL AFFAIRS | | | | | | | | |
| EA | --- | --- | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- | --- | --- |
| CIDA | --- | --- | 9 | --- | 7 | --- | --- | 16 |
| IDRC | 3 | 38 | 2 | --- | 28 | --- | --- | 70 |
| FINANCE | | | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | | | |
| F&O | 4 | 822 | 77 | 773 | 127 | 310 | --- | 2,113 |
| F&O-FM | 4 | 822 | 77 | 773 | 127 | 310 | --- | 2,113 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | |
| IAND | --- | 36 | 3 | 6 | 1 | 1 | --- | 47 |
| IAND-IIA | --- | --- | --- | --- | --- | --- | --- | --- |
| IAND-NA | --- | 36 | 3 | 6 | 1 | 1 | --- | 47 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | |
| ITC | --- | --- | 223 | --- | 110 | --- | --- | 333 |
| ITC-TI | --- | --- | 220 | --- | 110 | --- | --- | 330 |
| ITC-TOUR | --- | --- | --- | --- | --- | --- | --- | --- |
| ITC-GO | --- | --- | 3 | --- | --- | --- | --- | 3 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1981-82

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-----------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|--------|
| JUSTICE | | | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-CUO | --- | --- | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | | | |
| LAB | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL DEFENCE | | | | | | | | |
| NDEF | 12 | 560 | 100 | 504 | 258 | 267 | 169 | 1,870 |
| NDEF-SER | 12 | 560 | 100 | 504 | 258 | 267 | 169 | 1,870 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | |
| NHW | 6 | 621 | 29 | 353 | 210 | 30 | --- | 1,248 |
| NHW-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HSS | 1 | 5 | 6 | 2 | 5 | --- | --- | 18 |
| NHW-MS | --- | 27 | --- | --- | 6 | --- | --- | 33 |
| NHW-HP | 5 | 589 | 23 | 351 | 199 | 30 | --- | 1,197 |
| NHW-IS | --- | --- | --- | --- | --- | --- | --- | --- |
| MRC | 5 | 2 | 8 | --- | 24 | --- | --- | 39 |
| NATIONAL REVENUE | | | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | | | |
| PO | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- | --- | --- |
| ECC | --- | --- | --- | --- | --- | --- | --- | --- |
| PUBLIC WORKS | | | | | | | | |
| PW | --- | 42 | 9 | 9 | 2 | --- | --- | 63 |
| PW-PTS | --- | 42 | 9 | 9 | --- | --- | --- | 63 |
| CMHC | 2 | 19 | 1 | 10 | 7 | --- | --- | 39 |
| NCC | --- | --- | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | |
| REE | --- | --- | --- | --- | --- | --- | --- | --- |
| SCIENCE AND TECHNOLOGY | | | | | | | | |
| ST | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | 5 | 1,115 | 215 | 982 | 565 | 290 | --- | 3,172 |
| NRC-SIR | 5 | 1,051 | 180 | 981 | 443 | 286 | --- | 2,946 |
| NRC-STI | --- | 64 | 35 | 1 | 122 | 4 | --- | 226 |
| NSERC | 4 | 1 | 31 | --- | 45 | --- | --- | 81 |
| SC | --- | --- | --- | --- | --- | --- | --- | --- |
| SECRETARY OF STATE | | | | | | | | |
| SECS | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-CIT | --- | --- | --- | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | |
| SGEN | --- | --- | --- | --- | --- | --- | --- | --- |
| SGEN-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | |
| SS | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| SS-SUPP | 0 | --- | 2 | --- | 2 | --- | --- | 4 |
| STCAN | --- | --- | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | | | |
| TPT | 3 | 131 | --- | 21 | 3 | 26 | --- | 184 |
| TPT-ADM | 0 | 46 | --- | 1 | 0 | 0 | --- | 47 |
| TPT-MAR | 1 | 5 | --- | 7 | 3 | 12 | --- | 27 |
| TPT-AIR | 2 | 81 | --- | 14 | --- | 14 | --- | 110 |
| TPT-SUR | --- | --- | --- | --- | --- | --- | --- | --- |
| CTC | --- | --- | --- | --- | --- | --- | --- | --- |
| TREASURY BOARD | | | | | | | | |
| TB | --- | --- | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL | 129 | 8,046 | 1,401 | 7,587 | 3,399 | 3,325 | 169 | 24,056 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY, 1979-82
(FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------------|-----------|------------------------------|-------------------------------|-----------|-----------------------|-------------|----------|--------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 59 | 5,569 | 552 | 4,676 | 1,639 | 2,664 | 154 | 15,312 |
| INTRAMURAL RSA | 35 | 1,944 | 488 | 2,785 | 1,494 | 579 | 0 | 7,324 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 16 | 218 | 283 | 31 | 248 | 26 | 10 | 832 |
| TOTAL | 110 | 7,730 | 1,323 | 7,491 | 3,380 | 3,269 | 164 | 23,468 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 62 | 5,654 | 555 | 4,708 | 1,607 | 2,658 | 158 | 15,401 |
| INTRAMURAL RSA | 37 | 2,026 | 487 | 2,877 | 1,472 | 569 | 0 | 7,468 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 15 | 219 | 341 | 28 | 286 | 26 | 10 | 925 |
| TOTAL | 114 | 7,900 | 1,383 | 7,613 | 3,365 | 3,253 | 168 | 23,794 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 67 | 5,798 | 551 | 4,697 | 1,621 | 2,679 | 159 | 15,571 |
| INTRAMURAL RSA | 45 | 2,025 | 509 | 2,860 | 1,485 | 620 | 0 | 7,544 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 17 | 222 | 341 | 31 | 293 | 26 | 10 | 941 |
| TOTAL | 129 | 8,046 | 1,401 | 7,587 | 3,399 | 3,325 | 169 | 24,056 |

3

Human Sciences

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY PERFORMER, 1979-1982

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|---------|---------|---------|---------|---------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 301,095 | (75.8) | 345,768 | (77.4) | 452,605 | (79.8) |
| INDUSTRY | 14,234 | (3.6) | 15,712 | (3.5) | 18,833 | (3.3) |
| UNIVERSITIES | 40,483 | (10.2) | 46,452 | (10.4) | 51,520 | (9.1) |
| NON-PROFIT INSTITUTIONS | 14,214 | (3.6) | 12,192 | (2.7) | 13,286 | (2.3) |
| PROVINCIAL & MUNICIPAL | 7,602 | (1.9) | 7,076 | (1.6) | 7,840 | (1.4) |
| FOREIGN | 14,929 | (3.8) | 14,050 | (3.1) | 16,996 | (3.0) |
| OTHER CANADIAN | 4,708 | (1.2) | 5,642 | (1.3) | 6,318 | (1.1) |
| TOTAL | 397,265 | (100.0) | 446,892 | (100.0) | 567,398 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
TOTAL ALL COMPONENTS

FISCAL YEAR 1979-80

(\$ THOUSANDS)

| | INTRAMRL | CANADIAN INDUSTRY | CANADIAN UNIVERSITY | CANADIAN N-P INST | PROV. MUN. GOVERNMENTS | FOREIGN PERFORMERS | OTHER PERFORMERS | TOTAL |
|--------------------------|----------|----------------------|------------------------|----------------------|---------------------------|-----------------------|---------------------|---------|
| IN-HOUSE R&D | 25,606 | 0 | 0 | 0 | 0 | 0 | 0 | 25,606 |
| R&D CONTRACTS | 1,432 | 3,047 | 1,987 | 592 | 73 | 227 | 1,824 | 9,182 |
| SUPPORTING CONTRACTS | 1,485 | 0 | 0 | 0 | 0 | 0 | 0 | 1,485 |
| R&D GRANTS | 0 | 1,618 | 19,127 | 7,494 | 2,204 | 9,239 | 270 | 39,952 |
| RESEARCH FELLOWSHIPS | 0 | 0 | 5,789 | 10 | 0 | 632 | 169 | 6,600 |
| ADMIN. EXTRAMURAL R&D | 7,702 | 0 | 0 | 0 | 0 | 0 | 0 | 7,702 |
| CAPITAL - R&D | 151 | 0 | 0 | 0 | 0 | 0 | 0 | 151 |
| SUB TOTAL R&D | 36,376 | 4,665 | 26,903 | 8,096 | 2,277 | 10,098 | 2,263 | 90,678 |
| DATA COLLECTION | 119,480 | 2,872 | 645 | 71 | 365 | 0 | 254 | 123,687 |
| INFORMATION SERVICES | 42,577 | 623 | 1,747 | 3,860 | 1,104 | 1,221 | 223 | 51,355 |
| ECONOMIC & FEAS. STUDIES | 17,731 | 2,537 | 194 | 752 | 14 | 204 | 140 | 21,572 |
| OPERN'S & POLICY STUDIES | 45,170 | 2,755 | 374 | 713 | 0 | 7 | 556 | 49,575 |
| EDUCATION SUPPORT | 0 | 491 | 10,328 | 184 | 0 | 3,399 | 481 | 14,963 |
| MUSEUM SERVICES | 27,376 | 291 | 292 | 538 | 3,642 | 0 | 791 | 33,130 |
| ADMIN. EXTRAMURAL RSA | 5,601 | 0 | 0 | 0 | 0 | 0 | 0 | 5,601 |
| CAPITAL - RSA | 6,704 | 0 | 0 | 0 | 0 | 0 | 0 | 6,704 |
| SUB TOTAL RSA | 264,719 | 9,569 | 13,580 | 6,118 | 5,325 | 4,831 | 2,445 | 306,587 |
| TOTAL | 301,095 | 14,234 | 40,483 | 14,214 | 7,602 | 14,929 | 4,708 | 397,265 |

FISCAL YEAR 1980-81

(\$ THOUSANDS)

| | INTRAMRL | CANADIAN INDUSTRY | CANADIAN UNIVERSITY | CANADIAN N-P INST | PROV. MUN. GOVERNMENTS | FOREIGN PERFORMERS | OTHER PERFORMERS | TOTAL |
|--------------------------|----------|----------------------|------------------------|----------------------|---------------------------|-----------------------|---------------------|---------|
| IN-HOUSE R&D | 28,325 | 0 | 0 | 0 | 0 | 0 | 0 | 28,325 |
| R&D CONTRACTS | 1,598 | 2,854 | 1,700 | 176 | 259 | 181 | 2,191 | 8,959 |
| SUPPORTING CONTRACTS | 1,615 | 0 | 0 | 0 | 0 | 0 | 0 | 1,615 |
| R&D GRANTS | 0 | 799 | 22,113 | 6,196 | 1,936 | 7,799 | 612 | 39,455 |
| RESEARCH FELLOWSHIPS | 0 | 0 | 6,747 | 16 | 0 | 567 | 154 | 7,484 |
| ADMIN. EXTRAMURAL R&D | 7,780 | 0 | 0 | 0 | 0 | 0 | 0 | 7,780 |
| CAPITAL - R&D | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 84 |
| SUB TOTAL R&D | 39,402 | 3,653 | 30,560 | 6,388 | 2,195 | 8,547 | 2,957 | 93,702 |
| DATA COLLECTION | 144,842 | 3,633 | 400 | 238 | 257 | 0 | 490 | 149,860 |
| INFORMATION SERVICES | 47,522 | 743 | 2,514 | 3,179 | 1,570 | 1,412 | 236 | 57,176 |
| ECONOMIC & FEAS. STUDIES | 27,850 | 2,655 | 412 | 906 | 0 | 325 | 198 | 32,346 |
| OPERN'S & POLICY STUDIES | 44,285 | 4,127 | 360 | 875 | 0 | 42 | 480 | 50,169 |
| EDUCATION SUPPORT | 104 | 610 | 11,818 | 0 | 0 | 3,724 | 489 | 16,745 |
| MUSEUM SERVICES | 28,662 | 291 | 388 | 606 | 3,054 | 0 | 792 | 33,993 |
| ADMIN. EXTRAMURAL RSA | 6,485 | 0 | 0 | 0 | 0 | 0 | 0 | 6,485 |
| CAPITAL - RSA | 6,416 | 0 | 0 | 0 | 0 | 0 | 0 | 6,416 |
| SUB TOTAL RSA | 306,366 | 12,059 | 15,892 | 5,804 | 4,881 | 5,503 | 2,685 | 353,190 |
| TOTAL | 345,768 | 15,712 | 46,452 | 12,192 | 7,076 | 14,050 | 5,642 | 446,892 |

FISCAL YEAR 1981-82

(\$ THOUSANDS)

| | INTRAMRL | CANADIAN INDUSTRY | CANADIAN UNIVERSITY | CANADIAN N-P INST | PROV. MUN. GOVERNMENTS | FOREIGN PERFORMERS | OTHER PERFORMERS | TOTAL |
|--------------------------|----------|----------------------|------------------------|----------------------|---------------------------|-----------------------|---------------------|---------|
| IN-HOUSE R&D | 33,903 | 0 | 0 | 0 | 0 | 0 | 0 | 33,903 |
| R&D CONTRACTS | 1,153 | 3,411 | 1,942 | 256 | 261 | 112 | 2,758 | 9,893 |
| SUPPORTING CONTRACTS | 1,779 | 0 | 0 | 0 | 0 | 0 | 0 | 1,779 |
| R&D GRANTS | 0 | 1,525 | 22,853 | 6,573 | 1,812 | 8,818 | 666 | 42,247 |
| RESEARCH FELLOWSHIPS | 0 | 0 | 9,170 | 0 | 0 | 575 | 153 | 9,898 |
| ADMIN. EXTRAMURAL R&D | 8,723 | 0 | 0 | 0 | 0 | 0 | 0 | 8,723 |
| CAPITAL - R&D | 637 | 0 | 0 | 0 | 0 | 0 | 0 | 637 |
| SUB TOTAL R&D | 46,195 | 4,936 | 33,965 | 6,829 | 2,073 | 9,505 | 3,577 | 107,080 |
| DATA COLLECTION | 214,821 | 4,167 | 434 | 440 | 281 | 0 | 250 | 220,393 |
| INFORMATION SERVICES | 60,893 | 815 | 3,055 | 3,173 | 2,070 | 3,223 | 277 | 72,706 |
| ECONOMIC & FEAS. STUDIES | 28,388 | 3,666 | 687 | 1,584 | 0 | 312 | 285 | 34,682 |
| OPERN'S & POLICY STUDIES | 58,577 | 4,347 | 527 | 695 | 0 | 41 | 649 | 64,836 |
| EDUCATION SUPPORT | 126 | 583 | 12,508 | 0 | 63 | 3,915 | 496 | 17,691 |
| MUSEUM SERVICES | 30,146 | 319 | 424 | 645 | 3,353 | 0 | 864 | 35,751 |
| ADMIN. EXTRAMURAL RSA | 7,272 | 0 | 0 | 0 | 0 | 0 | 0 | 7,272 |
| CAPITAL - RSA | 6,987 | 0 | 0 | 0 | 0 | 0 | 0 | 6,987 |
| SUB TOTAL RSA | 406,410 | 13,897 | 17,555 | 6,457 | 5,767 | 7,491 | 2,741 | 460,318 |
| TOTAL | 452,605 | 18,833 | 51,520 | 13,286 | 7,840 | 16,996 | 6,318 | 567,398 |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|--------|--------|---------|--------|--------|---------|--------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 50 | 1,491 | 1,541 | 50 | 1,807 | 1,857 | 50 | 2,221 | 2,271 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | 491 | 491 | --- | 607 | 607 | --- | 583 | 583 |
| AGR-RI | 50 | 1,000 | 1,050 | 50 | 1,200 | 1,250 | 50 | 1,638 | 1,688 |
| AGR-CGC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CDC | 67 | 412 | 479 | --- | 600 | 600 | --- | 1,000 | 1,000 |
| CLFB | 62 | 17 | 79 | 96 | 23 | 119 | 110 | 26 | 136 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 1,491 | 4,228 | 5,719 | 752 | 5,222 | 5,974 | 1,474 | 5,559 | 7,033 |
| COMM-COMM | 1,491 | 3,646 | 5,137 | 752 | 4,559 | 5,311 | 1,474 | 4,800 | 6,274 |
| COMM-AC | --- | 582 | 582 | --- | 663 | 663 | --- | 759 | 759 |
| CBC | --- | 3,348 | 3,348 | --- | 3,654 | 3,654 | --- | 3,974 | 3,974 |
| CRTC | 542 | --- | 542 | 776 | --- | 776 | 679 | --- | 679 |
| NFB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NLIB | --- | 14,730 | 14,730 | --- | 17,179 | 17,179 | --- | 21,572 | 21,572 |
| NMUS | 1,586 | 30,397 | 31,983 | 1,809 | 30,436 | 32,245 | 3,586 | 31,712 | 35,298 |
| PA | --- | 9,320 | 9,320 | --- | 9,900 | 9,900 | --- | 12,009 | 12,009 |
| SSHRC | 21,293 | 15,288 | 36,581 | 24,857 | 17,784 | 42,641 | 27,033 | 18,568 | 45,601 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 1,822 | 753 | 2,575 | 2,067 | 712 | 2,779 | 1,893 | 1,069 | 2,962 |
| CCA-ADM | --- | 433 | 433 | --- | 489 | 489 | --- | 649 | 649 |
| CCA-CON | 1,163 | --- | 1,163 | 1,439 | --- | 1,439 | 1,551 | --- | 1,551 |
| CCA-COR | 332 | --- | 332 | 272 | --- | 272 | --- | --- | --- |
| CCA-CICP | 327 | 320 | 647 | 356 | 223 | 579 | 342 | 420 | 762 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | 1,600 | 1,600 | --- | 1,806 | 1,806 | --- | 2,199 | 2,199 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 1,292 | 7,911 | 9,203 | 1,528 | 8,001 | 9,529 | 1,571 | 8,479 | 10,050 |
| EI-ADM | 1,292 | 7,911 | 9,203 | 1,528 | 8,001 | 9,529 | 1,571 | 8,479 | 10,050 |
| CEIC | --- | 5,800 | 5,800 | --- | 7,758 | 7,758 | --- | 8,371 | 8,371 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 1,869 | 3,705 | 5,574 | 1,646 | 3,096 | 4,742 | 1,424 | 3,388 | 4,812 |
| EMR-ENER | --- | 1,465 | 1,465 | --- | 1,900 | 1,900 | --- | 2,070 | 2,070 |
| EMR-MES | 1,869 | 2,240 | 4,109 | 1,646 | 1,196 | 2,842 | 1,424 | 1,318 | 2,742 |
| AECB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AECCL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NEB | --- | 445 | 445 | --- | 465 | 465 | --- | 518 | 518 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 810 | 13,587 | 14,397 | 821 | 14,726 | 15,547 | 976 | 16,600 | 17,576 |
| ENV-ADM | --- | 192 | 192 | --- | 261 | 261 | --- | 308 | 308 |
| ENV-ES | 704 | 3,460 | 4,164 | 704 | 3,536 | 4,240 | 847 | 4,271 | 5,118 |
| ENV-EPS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-AES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-ECS | 704 | 3,460 | 4,164 | 704 | 3,536 | 4,240 | 847 | 4,271 | 5,118 |
| ENV-FOR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-PC | 106 | 9,935 | 10,041 | 117 | 10,929 | 11,046 | 129 | 12,021 | 12,150 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| EA-CIA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| CIDA | 2,460 | 2,798 | 5,258 | 1,485 | 2,879 | 4,364 | 1,625 | 3,248 | 4,873 |
| IDRC | 12,689 | 5,193 | 17,882 | 11,836 | 6,385 | 18,221 | 13,714 | 7,329 | 21,043 |
| FINANCE | | | | | | | | | |
| FIN | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FIN-FEP | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 790 | 2,560 | 3,350 | 825 | 2,675 | 3,500 | 854 | 2,576 | 3,430 |
| F&O-FM | 790 | 2,560 | 3,350 | 825 | 2,675 | 3,500 | 854 | 2,576 | 3,430 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 1,123 | 2,546 | 3,669 | 1,254 | 2,665 | 3,919 | 1,319 | 3,071 | 4,390 |
| IAND-IIA | 260 | 1,428 | 1,688 | 267 | 1,438 | 1,705 | 286 | 1,526 | 1,812 |
| IAND-NA | 863 | 1,118 | 1,981 | 987 | 1,227 | 2,214 | 1,033 | 1,545 | 2,578 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 1,050 | 227 | 1,277 | 1,719 | 387 | 2,106 | 2,931 | 394 | 3,325 |
| ITC-TI | 803 | 129 | 932 | 1,472 | 289 | 1,761 | 2,660 | 286 | 2,946 |
| ITC-TOUR | 247 | 98 | 345 | 247 | 98 | 345 | 271 | 108 | 379 |
| ITC-GO | --- | --- | --- | --- | --- | --- | --- | --- | --- |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | 2,126 | 2,042 | 4,168 | 2,381 | 2,413 | 4,794 | 3,208 | 3,107 | 6,315 |
| JUST-ADM | 2,126 | 713 | 2,839 | 2,381 | 861 | 3,242 | 3,208 | 1,007 | 4,215 |
| JUST-CUIO | --- | 1,329 | 1,329 | --- | 1,552 | 1,552 | --- | 2,100 | 2,100 |
| CHRC | --- | 202 | 202 | --- | 230 | 230 | --- | 255 | 255 |
| LRC | 1,729 | 599 | 2,328 | 1,777 | 845 | 2,622 | 2,166 | 1,136 | 3,302 |
| LABOUR | | | | | | | | | |
| LAB | 468 | 2,757 | 3,225 | 603 | 3,210 | 3,813 | 662 | 3,529 | 4,191 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 616 | 1,011 | 1,627 | 675 | 1,121 | 1,796 | 731 | 1,253 | 1,984 |
| NDEF-SER | 616 | 1,011 | 1,627 | 675 | 1,121 | 1,796 | 731 | 1,253 | 1,984 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 8,679 | 6,713 | 15,392 | 8,792 | 7,655 | 16,447 | 9,320 | 8,363 | 17,683 |
| NHW-ADM | 1,410 | 3,877 | 5,287 | 1,635 | 4,805 | 6,440 | 1,660 | 5,610 | 7,270 |
| NHW-HSS | 7,269 | 2,349 | 9,618 | 7,157 | 2,319 | 9,476 | 7,660 | 2,223 | 9,883 |
| NHW-MS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-IS | --- | 487 | 487 | --- | 531 | 531 | --- | 530 | 530 |
| MRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| NREV-TAX | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| POST OFFICE | | | | | | | | | |
| PO | 243 | 389 | 632 | 258 | 300 | 558 | 573 | 574 | 1,147 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | 1,796 | 6 | 1,802 | 549 | --- | 549 | 549 | --- | 549 |
| COL | --- | 859 | 859 | --- | 975 | 975 | --- | 1,172 | 1,172 |
| ECC | 7,325 | 1,516 | 8,841 | 7,019 | 1,011 | 8,030 | 6,440 | 952 | 7,392 |
| PUBLIC WORKS | | | | | | | | | |
| PW | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PW-PTS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CMHC | 2,314 | 5,673 | 7,987 | 2,212 | 5,920 | 8,132 | 2,433 | 6,879 | 9,312 |
| NCC | 638 | 495 | 1,133 | 661 | 430 | 1,091 | 1,331 | 582 | 1,913 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 790 | 638 | 1,428 | 800 | 845 | 1,645 | 972 | 1,434 | 2,406 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | 5,692 | 5,692 | --- | 6,543 | 6,543 | --- | 9,699 | 9,699 |
| NRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-SIR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-STI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SC | 1,245 | 1,236 | 2,481 | 1,494 | 1,511 | 3,005 | 1,830 | 1,712 | 3,542 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 4,995 | 2,790 | 7,785 | 5,831 | 3,362 | 9,193 | 5,899 | 3,532 | 9,431 |
| SECS-OL | 246 | 71 | 317 | 480 | 373 | 853 | 509 | 307 | 816 |
| SECS-ES | --- | 129 | 129 | --- | 155 | 155 | --- | 177 | 177 |
| SECS-TRA | 2,660 | 2,189 | 4,849 | 2,854 | 2,371 | 5,225 | 3,107 | 2,226 | 5,333 |
| SECS-CIT | 2,089 | 401 | 2,490 | 2,497 | 463 | 2,960 | 2,283 | 822 | 3,105 |
| PSC | 212 | --- | 212 | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 1,771 | 714 | 2,485 | 1,725 | 966 | 2,691 | 1,957 | 795 | 2,752 |
| SGEN-ADM | 1,771 | 714 | 2,485 | 1,725 | 966 | 2,691 | 1,957 | 795 | 2,752 |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 323 | 540 | 863 | 341 | 557 | 898 | 345 | 562 | 907 |
| SS-SUPP | 323 | 540 | 863 | 341 | 557 | 898 | 345 | 562 | 907 |
| STCAN | 3,499 | 118,657 | 122,156 | 4,284 | 143,987 | 148,271 | 6,463 | 223,490 | 229,953 |
| TRANSPORT | | | | | | | | | |
| TPT | 216 | 325 | 541 | 170 | 1,240 | 1,410 | 170 | 1,220 | 1,390 |
| TPT-ADM | 90 | 120 | 210 | 100 | 135 | 235 | 100 | 135 | 235 |
| TPT-MAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TPT-AIR | 24 | 205 | 229 | --- | 1,105 | 1,105 | --- | 1,085 | 1,085 |
| TPT-SUR | 102 | --- | 102 | 70 | --- | 70 | 70 | --- | 70 |
| CTC | 1,095 | 1,623 | 2,718 | 1,060 | 1,396 | 2,456 | 1,095 | 1,650 | 2,745 |
| TREASURY BOARD | | | | | | | | | |
| TB | 113 | 9,933 | 10,046 | 113 | 11,673 | 11,786 | 113 | 12,814 | 12,927 |
| TB-ADM | 113 | 9,933 | 10,046 | 113 | 11,673 | 11,786 | 113 | 12,814 | 12,927 |
| TOTAL | 90,678 | 306,587 | 397,265 | 93,702 | 353,190 | 446,892 | 107,080 | 460,318 | 567,398 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 43

HUMAN SCIENCES

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|-----------------|-----------------|--------|-----------------|-----------------|--------|-----------------|-----------------|--------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 1,050 | 491 | 1,541 | 1,250 | 607 | 1,857 | 1,650 | 621 | 2,271 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | 491 | 491 | --- | 607 | 607 | --- | 583 | 583 |
| AGR-RI | 1,050 | --- | 1,050 | 1,250 | --- | 1,250 | 1,650 | 38 | 1,688 |
| AGR-CGC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CDC | --- | 479 | 479 | --- | 600 | 600 | --- | 1,000 | 1,000 |
| CLFB | 72 | 7 | 79 | 77 | 42 | 119 | 91 | 45 | 136 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 3,451 | 2,268 | 5,719 | 4,028 | 1,946 | 5,974 | 4,476 | 2,557 | 7,033 |
| COMM-COMM | 3,062 | 2,075 | 5,137 | 3,695 | 1,616 | 5,311 | 3,977 | 2,297 | 6,274 |
| COMM-AC | 389 | 193 | 582 | 333 | 330 | 663 | 499 | 260 | 759 |
| CBC | 1,597 | 1,751 | 3,348 | 1,647 | 2,007 | 3,654 | 1,753 | 2,221 | 3,974 |
| CRTC | 477 | 65 | 542 | 666 | 110 | 776 | 519 | 160 | 679 |
| NFB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NLIB | 14,712 | 18 | 14,730 | 17,156 | 23 | 17,179 | 21,536 | 36 | 21,572 |
| NMUS | 26,094 | 5,889 | 31,983 | 26,972 | 5,273 | 32,245 | 29,545 | 5,753 | 35,298 |
| PA | 9,320 | --- | 9,320 | 9,900 | --- | 9,900 | 12,009 | --- | 12,009 |
| SSHRC | 3,615 | 32,966 | 36,581 | 4,001 | 38,640 | 42,641 | 4,376 | 41,225 | 45,601 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 1,506 | 1,069 | 2,575 | 1,741 | 1,038 | 2,779 | 1,771 | 1,191 | 2,962 |
| CCA-ADM | 409 | 24 | 433 | 489 | --- | 489 | 584 | 65 | 649 |
| CCA-CON | 617 | 546 | 1,163 | 749 | 690 | 1,439 | 810 | 741 | 1,551 |
| CCA-COR | 121 | 211 | 332 | 112 | 160 | 272 | --- | --- | --- |
| CCA-CICP | 359 | 288 | 647 | 391 | 188 | 579 | 377 | 385 | 762 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | 1,400 | 200 | 1,600 | 1,656 | 150 | 1,806 | 2,049 | 150 | 2,199 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 8,372 | 831 | 9,203 | 8,638 | 891 | 9,529 | 9,161 | 889 | 10,050 |
| EI-ADM | 8,372 | 831 | 9,203 | 8,638 | 891 | 9,529 | 9,161 | 889 | 10,050 |
| CEIC | 4,280 | 1,520 | 5,800 | 4,573 | 3,185 | 7,758 | 4,995 | 3,376 | 8,371 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 3,406 | 2,168 | 5,574 | 2,599 | 2,143 | 4,742 | 2,846 | 1,966 | 4,812 |
| EMR-ENER | 1,065 | 400 | 1,465 | 1,350 | 550 | 1,900 | 1,470 | 600 | 2,070 |
| EMR-MES | 2,341 | 1,768 | 4,109 | 1,249 | 1,593 | 2,842 | 1,376 | 1,366 | 2,742 |
| AECB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AECI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NEB | 445 | --- | 445 | 465 | --- | 465 | 518 | --- | 518 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 13,848 | 549 | 14,397 | 14,983 | 564 | 15,547 | 16,915 | 661 | 17,576 |
| ENV-ADM | 192 | --- | 192 | 261 | --- | 261 | 308 | --- | 308 |
| ENV-ES | 3,780 | 384 | 4,164 | 3,858 | 382 | 4,240 | 4,657 | 461 | 5,118 |
| ENV-EPS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-AES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-ECS | 3,780 | 384 | 4,164 | 3,858 | 382 | 4,240 | 4,657 | 461 | 5,118 |
| ENV-FOR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-PC | 9,876 | 165 | 10,041 | 10,864 | 182 | 11,046 | 11,950 | 200 | 12,150 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | 3,618 | 1,410 | 5,028 | 3,900 | 1,612 | 5,512 | 4,414 | 1,762 | 6,176 |
| EA-CIA | 3,618 | 1,410 | 5,028 | 3,900 | 1,612 | 5,512 | 4,414 | 1,762 | 6,176 |
| CIDA | 1,470 | 3,788 | 5,258 | 1,517 | 2,847 | 4,364 | 1,749 | 3,124 | 4,873 |
| IDEC | 8,062 | 9,820 | 17,882 | 8,991 | 9,230 | 18,221 | 10,403 | 10,640 | 21,043 |
| FINANCE | | | | | | | | | |
| FIN | 8,114 | --- | 8,114 | 9,507 | --- | 9,507 | 11,001 | --- | 11,001 |
| FIN-FEP | 8,114 | --- | 8,114 | 9,507 | --- | 9,507 | 11,001 | --- | 11,001 |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 3,050 | 300 | 3,350 | 3,200 | 300 | 3,500 | 3,130 | 300 | 3,430 |
| F&O-FM | 3,050 | 300 | 3,350 | 3,200 | 300 | 3,500 | 3,130 | 300 | 3,430 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 1,544 | 2,125 | 3,669 | 1,671 | 2,248 | 3,919 | 1,804 | 2,586 | 4,390 |
| IAND-IIA | 100 | 1,588 | 1,688 | 105 | 1,600 | 1,705 | 112 | 1,700 | 1,812 |
| IAND-NA | 1,444 | 537 | 1,981 | 1,566 | 648 | 2,214 | 1,692 | 886 | 2,578 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 466 | 811 | 1,277 | 478 | 1,628 | 2,106 | 529 | 2,796 | 3,325 |
| ITC-TI | 277 | 655 | 932 | 289 | 1,472 | 1,761 | 321 | 2,625 | 2,946 |
| ITC-TOUR | 189 | 156 | 345 | 189 | 156 | 345 | 208 | 171 | 379 |
| ITC-GO | --- | --- | --- | --- | --- | --- | --- | --- | --- |

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------------|-----------------|---------|-----------------|-----------------|---------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | 2,242 | 1,926 | 4,168 | 2,747 | 2,047 | 4,794 | 3,629 | 2,686 | 6,315 |
| JUST-ADM | 913 | 1,926 | 2,839 | 1,195 | 2,047 | 3,242 | 1,529 | 2,686 | 4,215 |
| JUST-CUIO | 1,329 | --- | 1,329 | 1,552 | --- | 1,552 | 2,100 | --- | 2,100 |
| CHRC | 202 | --- | 202 | 230 | --- | 230 | 255 | --- | 255 |
| LRC | 1,863 | 465 | 2,328 | 1,962 | 660 | 2,622 | 2,434 | 868 | 3,302 |
| LABOUR | | | | | | | | | |
| LAB | 3,015 | 210 | 3,225 | 3,446 | 367 | 3,813 | 3,790 | 401 | 4,191 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 1,540 | 87 | 1,627 | 1,671 | 125 | 1,796 | 1,821 | 163 | 1,984 |
| NDEF-SER | 1,540 | 87 | 1,627 | 1,671 | 125 | 1,796 | 1,821 | 163 | 1,984 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 5,698 | 9,694 | 15,392 | 6,845 | 9,602 | 16,447 | 7,011 | 10,672 | 17,683 |
| NHW-ADM | 4,217 | 1,070 | 5,287 | 4,870 | 1,570 | 6,440 | 5,200 | 2,070 | 7,270 |
| NHW-HSS | 994 | 8,624 | 9,618 | 1,444 | 8,032 | 9,476 | 1,281 | 8,602 | 9,883 |
| NHW-MS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-IS | 487 | --- | 487 | 531 | --- | 531 | 530 | --- | 530 |
| MPC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | 4,168 | --- | 4,168 | 5,257 | --- | 5,257 | 6,132 | --- | 6,132 |
| NREV-TAX | 4,168 | --- | 4,168 | 5,257 | --- | 5,257 | 6,132 | --- | 6,132 |
| POST OFFICE | | | | | | | | | |
| PO | 566 | 66 | 632 | 484 | 74 | 558 | 797 | 350 | 1,147 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | 6 | 1,796 | 1,802 | --- | 549 | 549 | --- | 549 | 549 |
| COL | 859 | --- | 859 | 975 | --- | 975 | 1,172 | --- | 1,172 |
| ECC | 6,952 | 1,889 | 8,841 | 7,497 | 533 | 8,030 | 6,902 | 490 | 7,392 |
| PUBLIC WORKS | | | | | | | | | |
| PW | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PW-PTS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CMHC | 4,728 | 3,259 | 7,987 | 5,640 | 2,492 | 8,132 | 6,204 | 3,108 | 9,312 |
| NCC | 1,133 | --- | 1,133 | 1,091 | --- | 1,091 | 1,913 | --- | 1,913 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 759 | 669 | 1,428 | 748 | 897 | 1,645 | 912 | 1,494 | 2,406 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | 5,156 | 536 | 5,692 | 5,973 | 570 | 6,543 | 7,410 | 2,289 | 9,699 |
| NRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-SIR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-STI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SC | 2,113 | 368 | 2,481 | 2,545 | 460 | 3,005 | 2,934 | 608 | 3,542 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 4,317 | 3,468 | 7,785 | 4,758 | 4,435 | 9,193 | 4,888 | 4,543 | 9,431 |
| SECS-OL | 36 | 281 | 317 | 71 | 782 | 853 | 91 | 725 | 816 |
| SECS-ES | 129 | --- | 129 | 155 | --- | 155 | 177 | --- | 177 |
| SECS-TRA | 4,083 | 766 | 4,849 | 4,459 | 766 | 5,225 | 4,543 | 790 | 5,333 |
| SECS-CIT | 69 | 2,421 | 2,490 | 73 | 2,887 | 2,960 | 77 | 3,028 | 3,105 |
| PSC | 212 | --- | 212 | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 873 | 1,612 | 2,485 | 1,114 | 1,577 | 2,691 | 870 | 1,882 | 2,752 |
| SGEN-ADM | 873 | 1,612 | 2,485 | 1,114 | 1,577 | 2,691 | 870 | 1,882 | 2,752 |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 5 | 858 | 863 | 6 | 892 | 898 | 7 | 900 | 907 |
| SS-SUPP | 5 | 858 | 863 | 6 | 892 | 898 | 7 | 900 | 907 |
| STCAN | 122,125 | 31 | 122,156 | 148,240 | 31 | 148,271 | 229,919 | 34 | 229,953 |
| TRANSPORT | | | | | | | | | |
| TPT | 427 | 114 | 541 | 1,310 | 100 | 1,410 | 1,290 | 100 | 1,390 |
| TPT-ADM | 120 | 90 | 210 | 135 | 100 | 235 | 135 | 100 | 235 |
| TPT-MAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TPT-AIR | 205 | 24 | 229 | 1,105 | --- | 1,105 | 1,085 | --- | 1,085 |
| TPT-SUR | 102 | --- | 102 | 70 | --- | 70 | 70 | --- | 70 |
| CTC | 2,234 | 484 | 2,718 | 1,940 | 516 | 2,456 | 2,261 | 484 | 2,745 |
| TREASURY BOARD | | | | | | | | | |
| TB | 9,933 | 113 | 10,046 | 11,673 | 113 | 11,786 | 12,814 | 113 | 12,927 |
| TB-ADM | 9,933 | 113 | 10,046 | 11,673 | 113 | 11,786 | 12,814 | 113 | 12,927 |
| TOTAL | 301,095 | 96,170 | 397,265 | 345,768 | 101,124 | 446,892 | 452,605 | 114,793 | 567,398 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
INTRAMURAL, BY DEPARTMENT OR AGENCY
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|--------|--------|---------|--------|--------|---------|--------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 50 | 1,000 | 1,050 | 50 | 1,200 | 1,250 | 50 | 1,600 | 1,650 |
| AGR-RI | 50 | 1,000 | 1,050 | 50 | 1,200 | 1,250 | 50 | 1,600 | 1,650 |
| CLFB | 55 | 17 | 72 | 59 | 18 | 77 | 70 | 21 | 91 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | --- | 3,451 | 3,451 | --- | 4,028 | 4,028 | --- | 4,476 | 4,476 |
| COMM-COMM | --- | 3,062 | 3,062 | --- | 3,695 | 3,695 | --- | 3,977 | 3,977 |
| COMM-AC | --- | 389 | 389 | --- | 333 | 333 | --- | 499 | 499 |
| CBC | --- | 1,597 | 1,597 | --- | 1,647 | 1,647 | --- | 1,753 | 1,753 |
| CRTC | 477 | --- | 477 | 666 | --- | 666 | 519 | --- | 519 |
| NLIB | --- | 14,712 | 14,712 | --- | 17,156 | 17,156 | --- | 21,536 | 21,536 |
| NMUS | 1,425 | 24,669 | 26,094 | 1,640 | 25,332 | 26,972 | 3,410 | 26,135 | 29,545 |
| PA | --- | 9,320 | 9,320 | --- | 9,900 | 9,900 | --- | 12,009 | 12,009 |
| SSHRC | 1,869 | 1,746 | 3,615 | 2,042 | 1,959 | 4,001 | 2,253 | 2,123 | 4,376 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 1,065 | 441 | 1,506 | 1,217 | 524 | 1,741 | 1,152 | 619 | 1,771 |
| CCA-ADM | --- | 409 | 409 | --- | 489 | 489 | --- | 584 | 584 |
| CCA-CON | 617 | --- | 617 | 749 | --- | 749 | 810 | --- | 810 |
| CCA-COR | 121 | --- | 121 | 112 | --- | 112 | --- | --- | 0 |
| CCA-CICP | 327 | 32 | 359 | 356 | 35 | 391 | 342 | 35 | 377 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | 1,400 | 1,400 | --- | 1,656 | 1,656 | --- | 2,049 | 2,049 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 1,231 | 7,141 | 8,372 | 1,465 | 7,173 | 8,638 | 1,560 | 7,601 | 9,161 |
| EI-ADM | 1,231 | 7,141 | 8,372 | 1,465 | 7,173 | 8,638 | 1,560 | 7,601 | 9,161 |
| CEIC | --- | 4,280 | 4,280 | --- | 4,573 | 4,573 | --- | 4,995 | 4,995 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 109 | 3,297 | 3,406 | 53 | 2,546 | 2,599 | 58 | 2,788 | 2,846 |
| EMR-ENER | --- | 1,065 | 1,065 | --- | 1,350 | 1,350 | --- | 1,470 | 1,470 |
| EMR-MES | 109 | 2,232 | 2,341 | 53 | 1,196 | 1,249 | 58 | 1,318 | 1,376 |
| NEB | --- | 445 | 445 | --- | 465 | 465 | --- | 518 | 518 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 657 | 13,191 | 13,848 | 656 | 14,327 | 14,983 | 792 | 16,123 | 16,915 |
| ENV-ADM | --- | 192 | 192 | --- | 261 | 261 | --- | 308 | 308 |
| ENV-ES | 657 | 3,123 | 3,780 | 656 | 3,202 | 3,858 | 792 | 3,865 | 4,657 |
| ENV-ECS | 657 | 3,123 | 3,780 | 656 | 3,202 | 3,858 | 792 | 3,865 | 4,657 |
| ENV-FC | --- | 9,876 | 9,876 | --- | 10,864 | 10,864 | --- | 11,950 | 11,950 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | 3,618 | 3,618 | --- | 3,900 | 3,900 | --- | 4,414 | 4,414 |
| EA-CIA | --- | 3,618 | 3,618 | --- | 3,900 | 3,900 | --- | 4,414 | 4,414 |
| CIDA | 330 | 1,140 | 1,470 | 260 | 1,257 | 1,517 | 285 | 1,464 | 1,749 |
| IDRC | 4,064 | 3,998 | 8,062 | 3,908 | 5,083 | 8,991 | 4,576 | 5,827 | 10,403 |
| FINANCE | | | | | | | | | |
| FIN | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FIN-FEP | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 790 | 2,260 | 3,050 | 825 | 2,375 | 3,200 | 854 | 2,276 | 3,130 |
| F&O-FM | 790 | 2,260 | 3,050 | 825 | 2,375 | 3,200 | 854 | 2,276 | 3,130 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 561 | 983 | 1,544 | 548 | 1,123 | 1,671 | 596 | 1,208 | 1,804 |
| IAND-IIA | 25 | 75 | 100 | 25 | 80 | 105 | 27 | 85 | 112 |
| IAND-NA | 536 | 908 | 1,444 | 523 | 1,043 | 1,566 | 569 | 1,123 | 1,692 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 353 | 113 | 466 | 360 | 118 | 478 | 396 | 133 | 529 |
| ITC-TI | 262 | 15 | 277 | 269 | 20 | 289 | 296 | 25 | 321 |
| ITC-TOUR | 91 | 98 | 189 | 91 | 98 | 189 | 100 | 108 | 208 |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

INTRAMURAL, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | 586 | 1,656 | 2,242 | 833 | 1,914 | 2,747 | 1,048 | 2,581 | 3,629 |
| JUST-ADM | 586 | 327 | 913 | 833 | 362 | 1,195 | 1,048 | 481 | 1,529 |
| JUST-CUIO | --- | 1,329 | 1,329 | --- | 1,552 | 1,552 | --- | 2,100 | 2,100 |
| CHRC | --- | 202 | 202 | --- | 230 | 230 | --- | 255 | 255 |
| LRC | 1,552 | 311 | 1,863 | 1,588 | 374 | 1,962 | 1,975 | 459 | 2,434 |
| LABOUR | | | | | | | | | |
| LAB | 354 | 2,661 | 3,015 | 411 | 3,035 | 3,446 | 452 | 3,338 | 3,790 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 616 | 924 | 1,540 | 675 | 996 | 1,671 | 731 | 1,090 | 1,821 |
| NDEF-SER | 616 | 924 | 1,540 | 675 | 996 | 1,671 | 731 | 1,090 | 1,821 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 2,047 | 3,651 | 5,698 | 2,353 | 4,492 | 6,845 | 2,418 | 4,593 | 7,011 |
| NHW-ADM | 1,410 | 2,807 | 4,217 | 1,635 | 3,235 | 4,870 | 1,660 | 3,540 | 5,200 |
| NHW-HSS | 637 | 357 | 994 | 718 | 726 | 1,444 | 758 | 523 | 1,281 |
| NHW-IS | --- | 487 | 487 | --- | 531 | 531 | --- | 530 | 530 |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| NREV-TAX | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| POST OFFICE | | | | | | | | | |
| PO | 180 | 386 | 566 | 210 | 274 | 484 | 223 | 574 | 797 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | --- | 6 | 6 | --- | --- | 0 | --- | --- | 0 |
| COL | --- | 859 | 859 | --- | 975 | 975 | --- | 1,172 | 1,172 |
| ECC | 6,108 | 844 | 6,952 | 6,486 | 1,011 | 7,497 | 5,950 | 952 | 6,902 |
| PUBLIC WORKS | | | | | | | | | |
| CMHC | 1,083 | 3,645 | 4,728 | 1,440 | 4,200 | 5,640 | 1,584 | 4,620 | 6,204 |
| NCC | 638 | 495 | 1,133 | 661 | 430 | 1,091 | 1,331 | 582 | 1,913 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 759 | --- | 759 | 748 | --- | 748 | 912 | --- | 912 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | 5,156 | 5,156 | --- | 5,973 | 5,973 | --- | 7,410 | 7,410 |
| SC | 877 | 1,236 | 2,113 | 1,034 | 1,511 | 2,545 | 1,222 | 1,712 | 2,934 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 2,184 | 2,133 | 4,317 | 2,378 | 2,380 | 4,758 | 2,607 | 2,281 | 4,888 |
| SECS-OL | --- | 36 | 36 | --- | 71 | 71 | --- | 91 | 91 |
| SECS-ES | --- | 129 | 129 | --- | 155 | 155 | --- | 177 | 177 |
| SECS-TRA | 2,184 | 1,899 | 4,083 | 2,378 | 2,081 | 4,459 | 2,607 | 1,936 | 4,543 |
| SECS-CIT | --- | 69 | 69 | --- | 73 | 73 | --- | 77 | 77 |
| PSC | 212 | --- | 212 | --- | --- | 0 | --- | --- | 0 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 323 | 550 | 873 | 404 | 710 | 1,114 | 322 | 548 | 870 |
| SGEN-ADM | 323 | 550 | 873 | 404 | 710 | 1,114 | 322 | 548 | 870 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 2 | 3 | 5 | 2 | 4 | 6 | 3 | 4 | 7 |
| SS-SUPP | 2 | 3 | 5 | 2 | 4 | 6 | 3 | 4 | 7 |
| STCAN | 3,499 | 118,626 | 122,125 | 4,284 | 143,956 | 148,240 | 6,463 | 223,456 | 229,919 |
| TRANSPORT | | | | | | | | | |
| TPT | 102 | 325 | 427 | 70 | 1,240 | 1,310 | 70 | 1,220 | 1,290 |
| TPT-ADM | --- | 120 | 120 | --- | 135 | 135 | --- | 135 | 135 |
| TPT-AIR | --- | 205 | 205 | --- | 1,105 | 1,105 | --- | 1,085 | 1,085 |
| TPT-SUR | 102 | --- | 102 | 70 | --- | 70 | 70 | --- | 70 |
| CTC | 729 | 1,505 | 2,234 | 640 | 1,300 | 1,940 | 729 | 1,532 | 2,261 |
| TREASURY BOARD | | | | | | | | | |
| TB | --- | 9,933 | 9,933 | --- | 11,673 | 11,673 | --- | 12,814 | 12,814 |
| TB-ADM | --- | 9,933 | 9,933 | --- | 11,673 | 11,673 | --- | 12,814 | 12,814 |
| TOTAL | 36,376 | 264,719 | 301,095 | 39,402 | 306,366 | 345,768 | 46,195 | 406,410 | 452,605 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

INDUSTRY, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|--------|---------|--------|--------|---------|--------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | --- | 491 | 491 | --- | 607 | 607 | --- | 583 | 583 |
| AGR-DEV | --- | 491 | 491 | --- | 607 | 607 | --- | 583 | 583 |
| CDC | --- | 44 | 44 | --- | 200 | 200 | --- | 300 | 300 |
| CLFB | --- | --- | 0 | --- | 5 | 5 | --- | 5 | 5 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 1,491 | 669 | 2,160 | 752 | 1,104 | 1,856 | 1,474 | 965 | 2,439 |
| COMM-COMM | 1,491 | 529 | 2,020 | 752 | 809 | 1,561 | 1,474 | 755 | 2,229 |
| COMM-AC | --- | 140 | 140 | --- | 295 | 295 | --- | 210 | 210 |
| CRC | --- | 1,751 | 1,751 | --- | 2,007 | 2,007 | --- | 2,221 | 2,221 |
| CRTC | 16 | --- | 16 | 15 | --- | 15 | --- | --- | 0 |
| NIUS | --- | 290 | 290 | --- | 290 | 290 | --- | 318 | 318 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 230 | 95 | 325 | 204 | 90 | 294 | 134 | 135 | 269 |
| CCA-CON | 97 | --- | 97 | 124 | --- | 124 | 134 | --- | 134 |
| CCA-COR | 133 | --- | 133 | 80 | --- | 80 | --- | --- | 0 |
| CCA-CICP | --- | 95 | 95 | --- | 90 | 90 | --- | 135 | 135 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 58 | 770 | 828 | 7 | 718 | 725 | 7 | 878 | 885 |
| EI-ADM | 58 | 770 | 828 | 7 | 718 | 725 | 7 | 878 | 885 |
| CEIC | --- | 1,520 | 1,520 | --- | 3,128 | 3,128 | --- | 3,315 | 3,315 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | --- | 408 | 408 | --- | 550 | 550 | --- | 600 | 600 |
| EMR-ENER | --- | 408 | 408 | --- | 550 | 550 | --- | 600 | 600 |
| EMR-MES | --- | 8 | 8 | --- | --- | 0 | --- | --- | 0 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 53 | 298 | 351 | 57 | 298 | 355 | 66 | 362 | 428 |
| ENV-ES | 28 | 297 | 325 | 29 | 297 | 326 | 35 | 361 | 396 |
| ENV-ECS | 28 | 297 | 325 | 29 | 297 | 326 | 35 | 361 | 396 |
| ENV-PC | 25 | 1 | 26 | 28 | 1 | 29 | 31 | 1 | 32 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 67 | 317 | 384 | 74 | 286 | 360 | 79 | 402 | 481 |
| IAND-IIA | 67 | 117 | 184 | 74 | 122 | 196 | 79 | 130 | 209 |
| IAND-NA | --- | 200 | 200 | --- | 164 | 164 | --- | 272 | 272 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 236 | 11 | 247 | 206 | 12 | 218 | 216 | 13 | 229 |
| ITC-TI | 80 | 11 | 91 | 50 | 12 | 62 | 45 | 13 | 58 |
| ITC-TOUR | 156 | --- | 156 | 156 | --- | 156 | 171 | --- | 171 |
| JUSTICE | | | | | | | | | |
| LRC | --- | 245 | 245 | --- | 400 | 400 | --- | 575 | 575 |
| LABOUR | | | | | | | | | |
| LAB | 30 | 10 | 40 | 45 | 75 | 120 | 49 | 82 | 131 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | --- | 52 | 52 | --- | 72 | 72 | --- | 85 | 85 |
| NDEF-SER | --- | 52 | 52 | --- | 72 | 72 | --- | 85 | 85 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 1 | 79 | 80 | 200 | 45 | 245 | 370 | --- | 370 |
| NHW-HSS | 1 | 79 | 80 | 200 | 45 | 245 | 370 | --- | 370 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PO | 48 | --- | 48 | 33 | 23 | 56 | 345 | --- | 345 |
| PRIVY COUNCIL | | | | | | | | | |
| PCC | 412 | 645 | 1,057 | 296 | --- | 296 | 300 | --- | 300 |
| PUBLIC WORKS | | | | | | | | | |
| PMHC | 898 | 641 | 1,539 | 719 | 482 | 1,201 | 791 | 530 | 1,321 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 31 | 302 | 333 | 52 | 650 | 702 | 60 | 1,245 | 1,305 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| SC | 72 | --- | 72 | 30 | --- | 30 | 77 | --- | 77 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 27 | 249 | 276 | --- | 302 | 302 | --- | 550 | 550 |
| SECS-OL | --- | 4 | 4 | --- | 302 | 302 | --- | 200 | 200 |
| SECS-CIT | 27 | 245 | 272 | --- | --- | 0 | --- | 350 | 350 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 418 | 61 | 479 | 342 | 66 | 408 | 378 | 57 | 435 |
| SGEN-ADM | 418 | 61 | 479 | 342 | 66 | 408 | 378 | 57 | 435 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 288 | 503 | 791 | 290 | 553 | 843 | 291 | 558 | 849 |
| SS-SUPP | 288 | 503 | 791 | 290 | 553 | 843 | 291 | 558 | 849 |
| TRANSPORT | | | | | | | | | |
| TPT | 90 | --- | 90 | 100 | --- | 100 | 100 | --- | 100 |
| TPT-ADM | 90 | --- | 90 | 100 | --- | 100 | 100 | --- | 100 |
| CTC | 199 | 118 | 317 | 231 | 96 | 327 | 199 | 118 | 317 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 4,665 | 9,569 | 14,234 | 3,653 | 12,059 | 15,712 | 4,936 | 13,897 | 18,833 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

UNIVERSITY, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|--------|--------|---------|--------|--------|---------|--------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | --- | --- | 0 | --- | --- | 0 | --- | 25 | 25 |
| AGR-RI | --- | --- | 0 | --- | --- | 0 | --- | 25 | 25 |
| CDC | --- | --- | 0 | --- | 100 | 100 | --- | 300 | 300 |
| CLFB | 5 | --- | 5 | 17 | --- | 17 | 20 | --- | 20 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | --- | 49 | 49 | --- | 58 | 58 | --- | 98 | 98 |
| COMM-COMM | --- | 32 | 32 | --- | 33 | 33 | --- | 58 | 58 |
| COMM-AC | --- | 17 | 17 | --- | 25 | 25 | --- | 40 | 40 |
| CRIC | --- | --- | 0 | 40 | --- | 40 | 40 | --- | 40 |
| HMUS | --- | 292 | 292 | --- | 388 | 388 | --- | 424 | 424 |
| SSHRC | 19,424 | 8,689 | 28,113 | 22,815 | 10,649 | 33,464 | 24,780 | 11,075 | 35,855 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 91 | 6 | 97 | 65 | 8 | 73 | 27 | 100 | 127 |
| CCA-CON | 20 | --- | 20 | 25 | --- | 25 | 27 | --- | 27 |
| CCA-COR | 71 | --- | 71 | 40 | --- | 40 | --- | --- | 0 |
| CCA-CICP | --- | 6 | 6 | --- | 8 | 8 | --- | 100 | 100 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | --- | 0 | --- | 10 | 10 | --- | --- | 0 |
| EI-ADM | --- | --- | 0 | --- | 10 | 10 | --- | --- | 0 |
| CEIC | --- | --- | 0 | --- | 18 | 18 | --- | 20 | 20 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 125 | --- | 125 | 125 | --- | 125 | 125 | --- | 125 |
| EMR-MES | 125 | --- | 125 | 125 | --- | 125 | 125 | --- | 125 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 15 | 5 | 20 | 15 | 4 | 19 | 15 | 4 | 19 |
| ENV-ES | 15 | 5 | 20 | 15 | 4 | 19 | 15 | 4 | 19 |
| ENV-ECS | 15 | 5 | 20 | 15 | 4 | 19 | 15 | 4 | 19 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | 1,300 | 1,300 | --- | 1,480 | 1,480 | --- | 1,620 | 1,620 |
| EA-CIA | --- | 1,300 | 1,300 | --- | 1,480 | 1,480 | --- | 1,620 | 1,620 |
| CIDA | 275 | 1,313 | 1,588 | 350 | 1,445 | 1,795 | 400 | 1,589 | 1,989 |
| IDRC | --- | 8 | 8 | --- | --- | 0 | 200 | 25 | 225 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | --- | 100 | 100 | --- | 100 | 100 | --- | 100 | 100 |
| F&O-FM | --- | 100 | 100 | --- | 100 | 100 | --- | 100 | 100 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 260 | 10 | 270 | 228 | 20 | 248 | 231 | 25 | 256 |
| IAND-IIA | 44 | --- | 44 | 44 | --- | 44 | 47 | --- | 47 |
| IAND-NA | 216 | 10 | 226 | 184 | 20 | 204 | 184 | 25 | 209 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 407 | 5 | 412 | 1,137 | 41 | 1,178 | 2,276 | 62 | 2,338 |
| ITC-TI | 407 | 5 | 412 | 1,137 | 41 | 1,178 | 2,276 | 62 | 2,338 |
| JUSTICE | | | | | | | | | |
| JUST | --- | 25 | 25 | --- | 41 | 41 | --- | 48 | 48 |
| JUST-ADM | --- | 25 | 25 | --- | 41 | 41 | --- | 48 | 48 |
| LABOUR | | | | | | | | | |
| LAB | 84 | 20 | 104 | 125 | 45 | 170 | 137 | 49 | 186 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | --- | 35 | 35 | --- | 53 | 53 | --- | 78 | 78 |
| NDEF-SER | --- | 35 | 35 | --- | 53 | 53 | --- | 78 | 78 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHN | 3,925 | 1,002 | 4,927 | 3,967 | 837 | 4,804 | 3,805 | 904 | 4,709 |
| NHN-HSS | 3,925 | 1,002 | 4,927 | 3,967 | 837 | 4,804 | 3,805 | 904 | 4,709 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PRC | 581 | --- | 581 | 197 | --- | 197 | 150 | --- | 150 |
| PUBLIC WORKS | | | | | | | | | |
| PMHC | 20 | 636 | 656 | 2 | 595 | 597 | 2 | 954 | 956 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| SC | 77 | --- | 77 | 77 | --- | 77 | 116 | --- | 116 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 713 | 39 | 752 | 476 | --- | 476 | 500 | 55 | 555 |
| SECS-OL | --- | 22 | 22 | --- | --- | 0 | --- | --- | 0 |
| SECS-TRA | 476 | --- | 476 | 476 | --- | 476 | 500 | --- | 500 |
| SECS-CIT | 237 | 17 | 254 | --- | --- | 0 | --- | 55 | 55 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 759 | 23 | 782 | 760 | --- | 760 | 999 | --- | 999 |
| SGEN-ADM | 759 | 23 | 782 | 760 | --- | 760 | 999 | --- | 999 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | --- | 23 | 23 | --- | --- | 0 | --- | --- | 0 |
| SS-SUPP | --- | 23 | 23 | --- | --- | 0 | --- | --- | 0 |
| TRANSPORT | | | | | | | | | |
| UTC | 142 | --- | 142 | 164 | --- | 164 | 142 | --- | 142 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 26,903 | 13,580 | 40,483 | 30,560 | 15,892 | 46,452 | 33,965 | 17,555 | 51,520 |

* INTERMEDIATE EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 47

HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
NON-PROFIT INSTITUTIONS, BY DEPARTMENT OR AGENCY
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|--------|---------|-------|--------|---------|-------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | --- | --- | 0 | --- | --- | 0 | --- | 13 | 13 |
| AGR-RI | --- | --- | 0 | --- | --- | 0 | --- | 13 | 13 |
| CDC | --- | 368 | 368 | --- | 300 | 300 | --- | 400 | 400 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | --- | 45 | 45 | --- | 18 | 18 | --- | 20 | 20 |
| COMM-COMM | --- | 9 | 9 | --- | 8 | 8 | --- | 10 | 10 |
| COMM-AC | --- | 36 | 36 | --- | 10 | 10 | --- | 10 | 10 |
| CRTC | 37 | --- | 37 | 35 | --- | 35 | 35 | --- | 35 |
| NMUS | --- | 528 | 528 | --- | 596 | 596 | --- | 635 | 635 |
| SSHRC | --- | 2,291 | 2,291 | --- | 2,200 | 2,200 | --- | 2,300 | 2,300 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 11 | --- | 11 | 14 | --- | 14 | 15 | --- | 15 |
| CCA-CON | 11 | --- | 11 | 14 | --- | 14 | 15 | --- | 15 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | 200 | 200 | --- | 150 | 150 | --- | 150 | 150 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | --- | 0 | --- | 100 | 100 | --- | --- | 0 |
| EI-ADM | --- | --- | 0 | --- | 100 | 100 | --- | --- | 0 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| ENVIRONMENT | | | | | | | | | |
| EXTERNAL AFFAIRS | | | | | | | | | |
| CIDA | --- | 184 | 184 | --- | --- | 0 | --- | --- | 0 |
| IDRC | 608 | --- | 608 | 370 | --- | 370 | 425 | 80 | 505 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 93 | 1,030 | 1,123 | 193 | 1,030 | 1,223 | 200 | 1,192 | 1,392 |
| IAND-IIA | 93 | 1,030 | 1,123 | 93 | 1,030 | 1,123 | 100 | 1,092 | 1,192 |
| IAND-NA | --- | --- | 0 | 100 | --- | 100 | 100 | 100 | 200 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 29 | 40 | 69 | 16 | 8 | 24 | 43 | --- | 43 |
| ITC-TI | 29 | 40 | 69 | 16 | 8 | 24 | 43 | --- | 43 |
| JUSTICE | | | | | | | | | |
| JUST | 973 | 225 | 1,198 | 694 | 300 | 994 | 700 | 300 | 1,000 |
| JUST-ADM | 973 | 225 | 1,198 | 694 | 300 | 994 | 700 | 300 | 1,000 |
| LABOUR | | | | | | | | | |
| LAB | --- | 15 | 15 | 15 | --- | 15 | 16 | --- | 16 |
| NATIONAL DEFENCE | | | | | | | | | |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 2,161 | 804 | 2,965 | 1,924 | 641 | 2,565 | 2,432 | 674 | 3,106 |
| NHW-HSS | 2,161 | 804 | 2,965 | 1,924 | 641 | 2,565 | 2,432 | 674 | 3,106 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PC | 1,796 | --- | 1,796 | 549 | --- | 549 | 549 | --- | 549 |
| ECC | 136 | --- | 136 | 10 | --- | 10 | 15 | --- | 15 |
| PUBLIC WORKS | | | | | | | | | |
| CMHC | 10 | 388 | 398 | 2 | 321 | 323 | 2 | 353 | 355 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| SC | 28 | --- | 28 | 25 | --- | 25 | 40 | --- | 40 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 2,064 | --- | 2,064 | 2,409 | 140 | 2,549 | 2,224 | 340 | 2,564 |
| SECS-OL | 246 | --- | 246 | 480 | --- | 480 | 509 | --- | 509 |
| SECS-CIT | 1,818 | --- | 1,818 | 1,929 | 140 | 2,069 | 1,715 | 340 | 2,055 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 37 | --- | 37 | --- | --- | 0 | --- | --- | 0 |
| SGEN-ADM | 37 | --- | 37 | --- | --- | 0 | --- | --- | 0 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | --- | --- | 0 | 19 | --- | 19 | 20 | --- | 20 |
| SS-SUPP | --- | --- | 0 | 19 | --- | 19 | 20 | --- | 20 |
| TRANSPORT | | | | | | | | | |
| TREASURY BOARD | | | | | | | | | |
| TB | 113 | --- | 113 | 113 | --- | 113 | 113 | --- | 113 |
| TB-ADM | 113 | --- | 113 | 113 | --- | 113 | 113 | --- | 113 |
| TOTAL | 8,096 | 6,118 | 14,214 | 6,388 | 5,804 | 12,192 | 6,829 | 6,457 | 13,286 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
PROVINCIAL & MUNICIPAL GOVERNMENTS, BY DEPARTMENT OR AGENCY
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|-------|---------|-------|-------|---------|-------|-------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| COMMUNICATIONS | | | | | | | | | |
| NMUS | --- | 3,842 | 3,842 | --- | 3,054 | 3,054 | --- | 3,353 | 3,353 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 16 | --- | 16 | 20 | --- | 20 | 21 | --- | 21 |
| CCA-CON | 16 | --- | 16 | 20 | --- | 20 | 21 | --- | 21 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | --- | --- | 0 | 36 | --- | 36 | --- | --- | 0 |
| EI-ADM | --- | --- | 0 | 36 | --- | 36 | --- | --- | 0 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 1,632 | --- | 1,632 | 1,468 | --- | 1,468 | 1,241 | --- | 1,241 |
| EMR-MES | 1,632 | --- | 1,632 | 1,468 | --- | 1,468 | 1,241 | --- | 1,241 |
| ENVIRONMENT | | | | | | | | | |
| ENV | --- | 22 | 22 | --- | 22 | 22 | --- | 27 | 27 |
| ENV-ES | --- | 22 | 22 | --- | 22 | 22 | --- | 27 | 27 |
| ENV-ECS | --- | 22 | 22 | --- | 22 | 22 | --- | 27 | 27 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | --- | --- | 0 | --- | --- | 0 | --- | 25 | 25 |
| IAND-NA | --- | --- | 0 | --- | --- | 0 | --- | 25 | 25 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| JUSTICE | | | | | | | | | |
| JUST | 149 | --- | 149 | 207 | --- | 207 | 418 | --- | 418 |
| JUST-ADM | 149 | --- | 149 | 207 | --- | 207 | 418 | --- | 418 |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 355 | 1,084 | 1,439 | 261 | 1,570 | 1,831 | 153 | 2,133 | 2,286 |
| NHW-ADM | --- | 1,070 | 1,070 | --- | 1,570 | 1,570 | --- | 2,070 | 2,070 |
| NHW-HSS | 355 | 14 | 369 | 261 | --- | 261 | 153 | 63 | 216 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| PUBLIC WORKS | | | | | | | | | |
| CMHC | 25 | 41 | 66 | 11 | --- | 11 | 12 | --- | 12 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | --- | 336 | 336 | --- | 195 | 195 | --- | 189 | 189 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 7 | --- | 7 | --- | --- | 0 | --- | --- | 0 |
| SECS-CIT | 7 | --- | 7 | --- | --- | 0 | --- | --- | 0 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 93 | --- | 93 | 192 | 40 | 232 | 228 | 40 | 268 |
| SGEN-ADM | 93 | --- | 93 | 192 | 40 | 232 | 228 | 40 | 268 |
| SUPPLY AND SERVICES | | | | | | | | | |
| TRANSPORT | | | | | | | | | |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 2,277 | 5,325 | 7,602 | 2,195 | 4,881 | 7,076 | 2,073 | 5,767 | 7,840 |

*** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 49

HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

FOREIGN, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|--------|---------|-------|--------|---------|-------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| COMMUNICATIONS | | | | | | | | | |
| NLIB | --- | 18 | 18 | --- | 23 | 23 | --- | 36 | 36 |
| SSHRC | --- | 2,562 | 2,562 | --- | 2,976 | 2,976 | --- | 3,070 | 3,070 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 43 | 4 | 47 | 85 | --- | 85 | 48 | --- | 48 |
| CCA-COM | 36 | --- | 36 | 45 | --- | 45 | 48 | --- | 48 |
| CCA-COP | 7 | --- | 7 | 40 | --- | 40 | --- | --- | 0 |
| CCA-CICP | --- | 4 | 4 | --- | --- | 0 | --- | --- | 0 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 3 | --- | 3 | 20 | --- | 20 | 4 | --- | 4 |
| EI-ADM | 3 | --- | 3 | 20 | --- | 20 | 4 | --- | 4 |
| CEIC | --- | --- | 0 | --- | 39 | 39 | --- | 41 | 41 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 3 | --- | 3 | --- | --- | 0 | --- | --- | 0 |
| EMR-MES | 3 | --- | 3 | --- | --- | 0 | --- | --- | 0 |
| ENVIRONMENT | | | | | | | | | |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | 110 | 110 | --- | 132 | 132 | --- | 142 | 142 |
| EA-CIA | --- | 110 | 110 | --- | 132 | 132 | --- | 142 | 142 |
| CIDA | 1,855 | 161 | 2,016 | 875 | 177 | 1,052 | 940 | 195 | 1,135 |
| IDRC | 7,848 | 1,104 | 8,952 | 7,404 | 1,227 | 8,631 | 8,360 | 1,319 | 9,679 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 25 | 10 | 35 | --- | 75 | 75 | --- | 40 | 40 |
| ITC-TI | 25 | 10 | 35 | --- | 75 | 75 | --- | 40 | 40 |
| JUSTICE | | | | | | | | | |
| LABOUR | | | | | | | | | |
| NATIONAL DEFENCE | | | | | | | | | |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 168 | 93 | 261 | 87 | 70 | 157 | 93 | 59 | 152 |
| NHW-HSS | 168 | 93 | 261 | 87 | 70 | 157 | 93 | 59 | 152 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PO | 15 | 3 | 18 | 15 | 3 | 18 | 5 | --- | 5 |
| PRIVY COUNCIL | | | | | | | | | |
| ECC | 88 | --- | 88 | 30 | --- | 30 | 25 | --- | 25 |
| PUBLIC WORKS | | | | | | | | | |
| CMHC | --- | 199 | 199 | --- | 180 | 180 | --- | 266 | 266 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | 536 | 536 | --- | 570 | 570 | --- | 2,289 | 2,289 |
| SC | 1 | --- | 1 | 6 | --- | 6 | 5 | --- | 5 |
| SECRETARY OF STATE | | | | | | | | | |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 24 | --- | 24 | --- | --- | 0 | --- | --- | 0 |
| SGEN-ADM | 24 | --- | 24 | --- | --- | 0 | --- | --- | 0 |
| SUPPLY AND SERVICES | | | | | | | | | |
| STCAN | --- | 31 | 31 | --- | 31 | 31 | --- | 34 | 34 |
| TRANSPORT | | | | | | | | | |
| CTC | 25 | --- | 25 | 25 | --- | 25 | 25 | --- | 25 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 10,098 | 4,831 | 14,929 | 8,547 | 5,503 | 14,050 | 9,505 | 7,491 | 16,996 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

OTHER, BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|---------|-------|-------|---------|-------|-------|---------|-------|-------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| AGRICULTURE | | | | | | | | | |
| CDC | 67 | --- | 67 | --- | --- | 0 | --- | --- | 0 |
| CLFB | 2 | --- | 2 | 20 | --- | 20 | 20 | --- | 20 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | --- | 14 | 14 | --- | 14 | 14 | --- | --- | 0 |
| COMM-COMM | --- | 14 | 14 | --- | 14 | 14 | --- | --- | 0 |
| CRTC | 12 | --- | 12 | 20 | --- | 20 | 85 | --- | 85 |
| NMUS | 161 | 776 | 937 | 169 | 776 | 945 | 176 | 847 | 1,023 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 366 | 207 | 573 | 462 | 90 | 552 | 496 | 215 | 711 |
| CCA-ADM | --- | 24 | 24 | --- | --- | 0 | --- | 65 | 65 |
| CCA-CON | 366 | --- | 366 | 462 | --- | 462 | 496 | --- | 496 |
| CCA-CICP | --- | 183 | 183 | --- | 90 | 90 | --- | 150 | 150 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| ENVIRONMENT | | | | | | | | | |
| ENV | 85 | 71 | 156 | 93 | 75 | 168 | 103 | 84 | 187 |
| ENV-ES | 4 | 13 | 17 | 4 | 11 | 15 | 5 | 14 | 19 |
| ENV-ECS | 4 | 13 | 17 | 4 | 11 | 15 | 5 | 14 | 19 |
| ENV-PC | 81 | 58 | 139 | 89 | 64 | 153 | 98 | 70 | 168 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| IDRC | 169 | 83 | 252 | 154 | 75 | 229 | 153 | 78 | 231 |
| FINANCE | | | | | | | | | |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | --- | 200 | 200 | --- | 200 | 200 | --- | 200 | 200 |
| F&O-FM | --- | 200 | 200 | --- | 200 | 200 | --- | 200 | 200 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 142 | 206 | 348 | 211 | 206 | 417 | 213 | 219 | 432 |
| IAND-IIA | 31 | 206 | 237 | 31 | 206 | 237 | 33 | 219 | 252 |
| IAND-NA | 111 | --- | 111 | 180 | --- | 180 | 180 | --- | 180 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | --- | 48 | 48 | --- | 133 | 133 | --- | 146 | 146 |
| ITC-TI | --- | 48 | 48 | --- | 133 | 133 | --- | 146 | 146 |
| JUSTICE | | | | | | | | | |
| JUST | 418 | 136 | 554 | 647 | 158 | 805 | 1,042 | 178 | 1,220 |
| JUST-ADM | 418 | 136 | 554 | 647 | 158 | 805 | 1,042 | 178 | 1,220 |
| LRC | 177 | 43 | 220 | 189 | 71 | 260 | 191 | 102 | 293 |
| LABOUR | | | | | | | | | |
| LAB | --- | 51 | 51 | 7 | 55 | 62 | 8 | 60 | 68 |
| NATIONAL DEFENCE | | | | | | | | | |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 22 | --- | 22 | --- | --- | 0 | 49 | --- | 49 |
| NHW-HSS | 22 | --- | 22 | --- | --- | 0 | 49 | --- | 49 |
| NATIONAL REVENUE | | | | | | | | | |
| POST OFFICE | | | | | | | | | |
| PRIVY COUNCIL | | | | | | | | | |
| ECC | --- | 27 | 27 | --- | --- | 0 | --- | --- | 0 |
| PUBLIC WORKS | | | | | | | | | |
| CMHC | 278 | 123 | 401 | 38 | 142 | 180 | 42 | 156 | 198 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| SC | 190 | --- | 190 | 322 | --- | 322 | 370 | --- | 370 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | --- | 369 | 369 | 568 | 540 | 1,108 | 568 | 306 | 874 |
| SECS-OL | --- | 9 | 9 | --- | --- | 0 | --- | 16 | 16 |
| SECS-TRA | --- | 290 | 290 | --- | 290 | 290 | --- | 290 | 290 |
| SECS-CIT | --- | 70 | 70 | 568 | 250 | 818 | 568 | --- | 568 |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 117 | 80 | 197 | 27 | 150 | 177 | 30 | 150 | 180 |
| SGEN-ADM | 117 | 80 | 197 | 27 | 150 | 177 | 30 | 150 | 180 |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 33 | 11 | 44 | 30 | --- | 30 | 31 | --- | 31 |
| SS-SUPP | 33 | 11 | 44 | 30 | --- | 30 | 31 | --- | 31 |
| TRANSPORT | | | | | | | | | |
| TPT | 24 | --- | 24 | --- | --- | 0 | --- | --- | 0 |
| TPT-AIR | 24 | --- | 24 | --- | --- | 0 | --- | --- | 0 |
| TREASURY BOARD | | | | | | | | | |
| TOTAL | 2,263 | 2,445 | 4,708 | 2,957 | 2,685 | 5,642 | 3,577 | 2,741 | 6,318 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON RESEARCH AND DEVELOPMENT
BY PERFORMER, 1979-1982

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|---------|---------|---------|---------|---------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 36,376 | (40.1) | 39,402 | (42.1) | 46,195 | (43.1) |
| INDUSTRY | 4,665 | (5.1) | 3,653 | (3.9) | 4,936 | (4.6) |
| UNIVERSITIES | 26,903 | (29.7) | 30,560 | (32.6) | 33,965 | (31.7) |
| NON-PROFIT INSTITUTIONS | 8,096 | (8.9) | 6,388 | (6.8) | 6,829 | (6.4) |
| PROVINCIAL & MUNICIPAL | 2,277 | (2.5) | 2,195 | (2.3) | 2,073 | (1.9) |
| FOREIGN | 10,098 | (11.1) | 8,547 | (9.1) | 9,505 | (8.9) |
| OTHER CANADIAN | 2,263 | (2.5) | 2,957 | (3.2) | 3,577 | (3.3) |
| TOTAL | 90,678 | (100.0) | 93,702 | (100.0) | 107,080 | (100.0) |

*** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON RELATED SCIENTIFIC ACTIVITIES
BY PERFORMER, 1979-1982

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|---------|---------|---------|---------|---------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 264,719 | (86.3) | 306,366 | (86.7) | 406,410 | (88.3) |
| INDUSTRY | 9,569 | (3.1) | 12,059 | (3.4) | 13,897 | (3.0) |
| UNIVERSITIES | 13,580 | (4.4) | 15,892 | (4.5) | 17,555 | (3.8) |
| NON-PROFIT INSTITUTIONS | 6,118 | (2.0) | 5,804 | (1.6) | 6,457 | (1.4) |
| PROVINCIAL & MUNICIPAL | 5,325 | (1.7) | 4,881 | (1.4) | 5,767 | (1.3) |
| FOREIGN | 4,831 | (1.6) | 5,503 | (1.6) | 7,491 | (1.6) |
| OTHER CANADIAN | 2,445 | (0.8) | 2,685 | (0.8) | 2,741 | (0.6) |
| TOTAL | 306,587 | (100.0) | 353,190 | (100.0) | 460,318 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 53

HUMAN SCIENCES

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RESEARCH AND DEVELOPMENT

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|-----------------|-----------------|--------|-----------------|-----------------|--------|-----------------|-----------------|--------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 50 | --- | 50 | 50 | --- | 50 | 50 | --- | 50 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-RI | 50 | --- | 50 | 50 | --- | 50 | 50 | --- | 50 |
| AGR-CGC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CDC | --- | 67 | 67 | --- | --- | --- | --- | --- | --- |
| CLFB | 55 | 7 | 62 | 59 | 37 | 96 | 70 | 40 | 110 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | --- | 1,491 | 1,491 | --- | 752 | 752 | --- | 1,474 | 1,474 |
| COMM-COMM | --- | 1,491 | 1,491 | --- | 752 | 752 | --- | 1,474 | 1,474 |
| COMM-AC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CRTC | 477 | 65 | 542 | 666 | 110 | 776 | 519 | 160 | 679 |
| NFB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NLIB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NMUS | 1,425 | 161 | 1,586 | 1,640 | 169 | 1,809 | 3,410 | 176 | 3,586 |
| PA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSHRC | 1,869 | 19,424 | 21,293 | 2,042 | 22,815 | 24,857 | 2,253 | 24,780 | 27,033 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 1,065 | 757 | 1,822 | 1,217 | 850 | 2,067 | 1,152 | 741 | 1,893 |
| CCA-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CON | 617 | 546 | 1,163 | 749 | 690 | 1,439 | 810 | 741 | 1,551 |
| CCA-COR | 121 | 211 | 332 | 112 | 160 | 272 | --- | --- | --- |
| CCA-CICP | 327 | --- | 327 | 356 | --- | 356 | 342 | --- | 342 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 1,231 | 61 | 1,292 | 1,465 | 63 | 1,528 | 1,560 | 11 | 1,571 |
| EI-ADM | 1,231 | 61 | 1,292 | 1,465 | 63 | 1,528 | 1,560 | 11 | 1,571 |
| CEIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 109 | 1,760 | 1,869 | 53 | 1,593 | 1,646 | 58 | 1,366 | 1,424 |
| EMR-ENER | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EMR-MES | 109 | 1,760 | 1,869 | 53 | 1,593 | 1,646 | 58 | 1,366 | 1,424 |
| AECB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AECI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NEB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENVIRONMENT | | | | | | | | | |
| ENV | 657 | 153 | 810 | 656 | 165 | 821 | 792 | 184 | 976 |
| ENV-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-ES | 657 | 47 | 704 | 656 | 48 | 704 | 792 | 55 | 847 |
| ENV-EPS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-AES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-ECS | 657 | 47 | 704 | 656 | 48 | 704 | 792 | 55 | 847 |
| ENV-FOR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-PC | --- | 106 | 106 | --- | 117 | 117 | --- | 129 | 129 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CIDA | 330 | 2,130 | 2,460 | 260 | 1,225 | 1,485 | 285 | 1,340 | 1,625 |
| IDRC | 4,064 | 8,625 | 12,689 | 3,908 | 7,928 | 11,836 | 4,576 | 9,138 | 13,714 |
| FINANCE | | | | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 790 | --- | 790 | 825 | --- | 825 | 854 | --- | 854 |
| F&O-FM | 790 | --- | 790 | 825 | --- | 825 | 854 | --- | 854 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 561 | 562 | 1,123 | 548 | 706 | 1,254 | 596 | 723 | 1,319 |
| IAND-IIA | 25 | 235 | 260 | 25 | 242 | 267 | 27 | 259 | 286 |
| IAND-NA | 536 | 327 | 863 | 523 | 464 | 987 | 569 | 464 | 1,033 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 353 | 697 | 1,050 | 360 | 1,359 | 1,719 | 396 | 2,535 | 2,931 |
| ITC-TI | 262 | 541 | 803 | 269 | 1,203 | 1,472 | 296 | 2,364 | 2,660 |
| ITC-TOUR | 91 | 156 | 247 | 91 | 156 | 247 | 100 | 171 | 271 |
| ITC-GO | --- | --- | --- | --- | --- | --- | --- | --- | --- |

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RESEARCH AND DEVELOPMENT

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------------|-----------------|--------|-----------------|-----------------|--------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | 586 | 1,540 | 2,126 | 833 | 1,548 | 2,381 | 1,048 | 2,160 | 3,208 |
| JUST-ADM | 586 | 1,540 | 2,126 | 833 | 1,548 | 2,381 | 1,048 | 2,160 | 3,208 |
| JUST-CUIO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JCRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JRC | 1,552 | 177 | 1,729 | 1,588 | 189 | 1,777 | 1,975 | 191 | 2,166 |
| LABOUR | | | | | | | | | |
| LAB | 354 | 114 | 468 | 411 | 192 | 603 | 452 | 210 | 662 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 616 | --- | 616 | 675 | --- | 675 | 731 | --- | 731 |
| NDEF-SER | 616 | --- | 616 | 675 | --- | 675 | 731 | --- | 731 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 2,047 | 6,632 | 8,679 | 2,353 | 6,439 | 8,792 | 2,418 | 6,902 | 9,320 |
| NHW-ADM | 1,410 | --- | 1,410 | 1,635 | --- | 1,635 | 1,660 | --- | 1,660 |
| NHW-HSS | 637 | 6,632 | 7,269 | 718 | 6,439 | 7,157 | 758 | 6,902 | 7,660 |
| NHW-MS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-IS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | 1,489 | --- | 1,489 | 1,436 | --- | 1,436 | 1,584 | --- | 1,584 |
| NREV-TAX | 1,489 | --- | 1,489 | 1,436 | --- | 1,436 | 1,584 | --- | 1,584 |
| POST OFFICE | | | | | | | | | |
| PO | 180 | 63 | 243 | 210 | 48 | 258 | 223 | 350 | 573 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | --- | 1,796 | 1,796 | --- | 549 | 549 | --- | 549 | 549 |
| COL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCO | 6,108 | 1,217 | 7,325 | 6,486 | 533 | 7,019 | 5,950 | 490 | 6,440 |
| PUBLIC WORKS | | | | | | | | | |
| PH | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PH-PTS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CMHC | 1,083 | 1,231 | 2,314 | 1,440 | 772 | 2,212 | 1,584 | 849 | 2,433 |
| NCC | 638 | --- | 638 | 661 | --- | 661 | 1,331 | --- | 1,331 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | 759 | 31 | 790 | 748 | 52 | 800 | 912 | 60 | 972 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-SIR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-STI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SC | 877 | 368 | 1,245 | 1,034 | 460 | 1,494 | 1,222 | 608 | 1,830 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 2,184 | 2,811 | 4,995 | 2,378 | 3,453 | 5,831 | 2,607 | 3,292 | 5,899 |
| SECS-OL | --- | 246 | 246 | --- | 480 | 480 | --- | 509 | 509 |
| SECS-ES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-TRA | 2,184 | 476 | 2,660 | 2,378 | 476 | 2,854 | 2,607 | 500 | 3,107 |
| SECS-CIT | --- | 2,089 | 2,089 | --- | 2,497 | 2,497 | --- | 2,283 | 2,283 |
| PSC | 212 | --- | 212 | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 323 | 1,448 | 1,771 | 404 | 1,321 | 1,725 | 322 | 1,635 | 1,957 |
| SGEN-ADM | 323 | 1,448 | 1,771 | 404 | 1,321 | 1,725 | 322 | 1,635 | 1,957 |
| SCMP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 2 | 321 | 323 | 2 | 339 | 341 | 3 | 342 | 345 |
| SS-SUPP | 2 | 321 | 323 | 2 | 339 | 341 | 3 | 342 | 345 |
| STCAN | 3,499 | --- | 3,499 | 4,284 | --- | 4,284 | 6,463 | --- | 6,463 |
| TRANSPORT | | | | | | | | | |
| TPT | 102 | 114 | 216 | 70 | 100 | 170 | 70 | 100 | 170 |
| TPT-ADM | --- | 90 | 90 | --- | 100 | 100 | --- | 100 | 100 |
| TPT-MAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TPT-AIR | --- | 24 | 24 | --- | --- | --- | --- | --- | --- |
| TPT-SUR | 102 | --- | 102 | 70 | --- | 70 | 70 | --- | 70 |
| CTC | 729 | 366 | 1,095 | 640 | 420 | 1,060 | 729 | 366 | 1,095 |
| TREASURY BOARD | | | | | | | | | |
| TB | --- | 113 | 113 | --- | 113 | 113 | --- | 113 | 113 |
| TB-ADM | --- | 113 | 113 | --- | 113 | 113 | --- | 113 | 113 |
| TOTAL | 36,376 | 54,302 | 90,678 | 39,402 | 54,300 | 93,702 | 46,195 | 60,885 | 107,080 |

INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN INDUSTRY
BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|---------------------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| AGRICULTURE | | | | | | |
| AGR | --- | --- | --- | --- | --- | --- |
| AGR-ADM | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- |
| AGR-RI | --- | --- | --- | --- | --- | --- |
| AGR-CGC | --- | --- | --- | --- | --- | --- |
| CDC | --- | --- | --- | --- | --- | --- |
| CLFB | --- | --- | --- | --- | --- | --- |
| COMMUNICATIONS | | | | | | |
| COMM | 1,491 | --- | 752 | --- | 1,474 | --- |
| COMM-COMM | 1,491 | --- | 752 | --- | 1,474 | --- |
| COMM-AC | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- |
| CRTC | 3 | 13 | --- | 15 | --- | --- |
| NFB | --- | --- | --- | --- | --- | --- |
| NLIB | --- | --- | --- | --- | --- | --- |
| NMUS | --- | --- | --- | --- | --- | --- |
| PA | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | |
| CCA | --- | 230 | --- | 204 | --- | 134 |
| CCA-ADM | --- | --- | --- | --- | --- | --- |
| CCA-CON | --- | 97 | --- | 124 | --- | 134 |
| CCA-COR | --- | 133 | --- | 80 | --- | --- |
| CCA-CICP | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | |
| ED | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | |
| EI | --- | 58 | --- | 7 | --- | 7 |
| EI-ADM | --- | 58 | --- | 7 | --- | 7 |
| CEIC | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | |
| EMR | --- | --- | --- | --- | --- | --- |
| EMR-ENER | --- | --- | --- | --- | --- | --- |
| EMR-MES | --- | --- | --- | --- | --- | --- |
| AECB | --- | --- | --- | --- | --- | --- |
| AECI | --- | --- | --- | --- | --- | --- |
| NEB | --- | --- | --- | --- | --- | --- |
| ENVIRONMENT | | | | | | |
| ENV | --- | 53 | --- | 57 | --- | 66 |
| ENV-ADM | --- | --- | --- | --- | --- | --- |
| ENV-ES | --- | 28 | --- | 29 | --- | 35 |
| ENV-EPS | --- | --- | --- | --- | --- | --- |
| ENV-AES | --- | --- | --- | --- | --- | --- |
| ENV-ECS | --- | 28 | --- | 29 | --- | 35 |
| ENV-FOR | --- | --- | --- | --- | --- | --- |
| ENV-PC | --- | 25 | --- | 28 | --- | 31 |
| EXTERNAL AFFAIRS | | | | | | |
| EA | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- |
| CIDA | --- | --- | --- | --- | --- | --- |
| IDRC | --- | --- | --- | --- | --- | --- |
| FINANCE | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | |
| F&O | --- | --- | --- | --- | --- | --- |
| F&O-FM | --- | --- | --- | --- | --- | --- |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | |
| IAND | --- | 67 | --- | 74 | --- | 79 |
| IAND-IIA | --- | 67 | --- | 74 | --- | 79 |
| IAND-NA | --- | --- | --- | --- | --- | --- |
| INDUSTRY TRADE AND COMMERCE | | | | | | |
| ITC | 50 | 186 | --- | 206 | --- | 216 |
| ITC-TI | 50 | 30 | --- | 50 | --- | 45 |
| ITC-TOUR | --- | 156 | --- | 156 | --- | 171 |
| ITC-GO | --- | --- | --- | --- | --- | --- |

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN INDUSTRY
BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|-----------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| JUSTICE | | | | | | |
| JUST | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | |
| LAB | --- | 30 | 35 | 10 | 38 | 11 |
| NATIONAL DEFENCE | | | | | | |
| NDEF | --- | --- | --- | --- | --- | --- |
| NDEF-SER | --- | --- | --- | --- | --- | --- |
| NATIONAL HEALTH AND WELFARE | | | | | | |
| NHW | --- | 1 | --- | 200 | --- | 370 |
| NHW-ADM | --- | --- | --- | --- | --- | --- |
| NHW-HSS | --- | 1 | --- | 200 | --- | 370 |
| NHW-MS | --- | --- | --- | --- | --- | --- |
| NHW-HP | --- | --- | --- | --- | --- | --- |
| NHW-IS | --- | --- | --- | --- | --- | --- |
| MRC | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | |
| PO | --- | 48 | --- | 33 | --- | 345 |
| PRIVY COUNCIL | | | | | | |
| PC | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- |
| ECC | --- | 412 | --- | 296 | --- | 300 |
| PUBLIC WORKS | | | | | | |
| PW | --- | --- | --- | --- | --- | --- |
| PW-PTS | --- | --- | --- | --- | --- | --- |
| CMHC | 47 | 851 | 12 | 707 | 13 | 778 |
| NCC | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | |
| REE | --- | 31 | --- | 52 | --- | 60 |
| SCIENCE AND TECHNOLOGY | | | | | | |
| ST | --- | --- | --- | --- | --- | --- |
| NRC | --- | --- | --- | --- | --- | --- |
| NRC-SIR | --- | --- | --- | --- | --- | --- |
| NRC-STI | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- |
| SC | --- | 72 | --- | 30 | --- | 77 |
| SECRETARY OF STATE | | | | | | |
| SECS | 27 | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- |
| SECS-CIT | 27 | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | |
| SGEN | --- | 418 | --- | 342 | --- | 378 |
| SGEN-ADM | --- | 418 | --- | 342 | --- | 378 |
| RCMP | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | |
| SS | --- | 288 | --- | 290 | --- | 291 |
| SS-SUPP | --- | 288 | --- | 290 | --- | 291 |
| STCAN | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | |
| TPT | --- | 90 | --- | 100 | --- | 100 |
| TPT-ADM | --- | 90 | --- | 100 | --- | 100 |
| TPT-MAR | --- | --- | --- | --- | --- | --- |
| TPT-AIR | --- | --- | --- | --- | --- | --- |
| TPT-SUR | --- | --- | --- | --- | --- | --- |
| CTC | --- | 199 | --- | 231 | --- | 199 |
| TREASURY BOARD | | | | | | |
| TB | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- |
| TOTAL | 1,618 | 3,047 | 799 | 2,854 | 1,525 | 3,411 |

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN UNIVERSITIES AND NON-PROFIT INSTITUTIONS
BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|---------------------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| AGRICULTURE | | | | | | |
| AGR | --- | --- | --- | --- | --- | --- |
| AGR-ADM | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- |
| AGR-RI | --- | --- | --- | --- | --- | --- |
| AGR-CGC | --- | --- | --- | --- | --- | --- |
| CDC | --- | --- | --- | --- | --- | --- |
| CLFB | --- | 5 | --- | 17 | --- | 20 |
| COMMUNICATIONS | | | | | | |
| COMM | --- | --- | --- | --- | --- | --- |
| COMM-COMM | --- | --- | --- | --- | --- | --- |
| COMM-AC | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- |
| CRTC | 33 | 4 | 75 | --- | 75 | --- |
| NFB | --- | --- | --- | --- | --- | --- |
| NLIB | --- | --- | --- | --- | --- | --- |
| NMUS | --- | --- | --- | --- | --- | --- |
| PA | --- | --- | --- | --- | --- | --- |
| SSHRC | 14,637 | --- | 17,010 | --- | 18,375 | --- |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | |
| CCA | --- | 102 | --- | 79 | --- | 42 |
| CCA-ADM | --- | --- | --- | --- | --- | --- |
| CCA-CON | --- | 31 | --- | 39 | --- | 42 |
| CCA-COR | --- | 71 | --- | 40 | --- | --- |
| CCA-CICP | --- | --- | --- | --- | --- | --- |
| ECONOMIC DEVELOPMENT | | | | | | |
| ED | --- | --- | --- | --- | --- | --- |
| EMPLOYMENT & IMMIGRATION | | | | | | |
| EI | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- |
| ENERGY MINES & RESOURCES | | | | | | |
| EMR | 125 | --- | 125 | --- | 125 | --- |
| EMR-ENER | --- | --- | --- | --- | --- | --- |
| EMR-MES | 125 | --- | 125 | --- | 125 | --- |
| AECB | --- | --- | --- | --- | --- | --- |
| AECL | --- | --- | --- | --- | --- | --- |
| NEB | --- | --- | --- | --- | --- | --- |
| ENVIRONMENT | | | | | | |
| ENV | 15 | --- | 15 | --- | 15 | --- |
| ENV-ADM | --- | --- | --- | --- | --- | --- |
| ENV-ES | 15 | --- | 15 | --- | 15 | --- |
| ENV-EPS | --- | --- | --- | --- | --- | --- |
| ENV-AES | --- | --- | --- | --- | --- | --- |
| ENV-ECS | 15 | --- | 15 | --- | 15 | --- |
| ENV-FOR | --- | --- | --- | --- | --- | --- |
| ENV-PC | --- | --- | --- | --- | --- | --- |
| EXTERNAL AFFAIRS | | | | | | |
| EA | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- |
| CIDA | --- | --- | --- | --- | --- | --- |
| IDRC | 608 | --- | 370 | --- | 625 | --- |
| FINANCE | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- |
| FISHERIES AND OCEANS | | | | | | |
| F&O | --- | --- | --- | --- | --- | --- |
| F&O-FM | --- | --- | --- | --- | --- | --- |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | |
| IAND | 216 | 137 | 284 | 137 | 284 | 147 |
| IAND-IIA | --- | 137 | --- | 137 | --- | 147 |
| IAND-NA | 216 | --- | 284 | --- | 284 | --- |
| INDUSTRY TRADE AND COMMERCE | | | | | | |
| ITC | 171 | 5 | 900 | 10 | 243 | 76 |
| ITC-TI | 171 | 5 | 900 | 10 | 243 | 76 |
| ITC-TOUR | --- | --- | --- | --- | --- | --- |
| ITC-GO | --- | --- | --- | --- | --- | --- |

FEDERAL SUPPORT OF RESEARCH AND DEVELOPMENT
IN CANADIAN UNIVERSITIES AND NON-PROFIT INSTITUTIONS
BY DEPARTMENT OR AGENCY, 1979-1982

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | 1980-81 | | 1981-82 | |
|-----------------------------|---------|-----------|---------|-----------|---------|-----------|
| | GRANTS | CONTRACTS | GRANTS | CONTRACTS | GRANTS | CONTRACTS |
| JUSTICE | | | | | | |
| JUST | 973 | --- | 694 | --- | 700 | --- |
| JUST-ADM | 973 | --- | 694 | --- | 700 | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- |
| LABOUR | | | | | | |
| LAB | 74 | 10 | 75 | 65 | 82 | 71 |
| NATIONAL DEFENCE | | | | | | |
| NDEF | --- | --- | --- | --- | --- | --- |
| NDEF-SER | --- | --- | --- | --- | --- | --- |
| NATIONAL HEALTH AND WELFARE | | | | | | |
| NHW | 5,528 | 81 | 5,336 | 190 | 5,662 | 210 |
| NHW-ADM | --- | --- | --- | --- | --- | --- |
| NHW-HSS | 5,528 | 81 | 5,336 | 190 | 5,662 | 210 |
| NHW-MS | --- | --- | --- | --- | --- | --- |
| NHW-HP | --- | --- | --- | --- | --- | --- |
| NHW-IS | --- | --- | --- | --- | --- | --- |
| MRC | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | |
| NREV | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- |
| POST OFFICE | | | | | | |
| PO | --- | --- | --- | --- | --- | --- |
| PRIVY COUNCIL | | | | | | |
| PC | 1,522 | 274 | 549 | --- | 549 | --- |
| COL | --- | --- | --- | --- | --- | --- |
| ECC | --- | 717 | --- | 207 | --- | 165 |
| PUBLIC WORKS | | | | | | |
| PW | --- | --- | --- | --- | --- | --- |
| PW-PTS | --- | --- | --- | --- | --- | --- |
| CMHC | 5 | 25 | 4 | --- | 4 | --- |
| NCC | --- | --- | --- | --- | --- | --- |
| REGIONAL ECONOMIC EXPANSION | | | | | | |
| REE | --- | --- | --- | --- | --- | --- |
| SCIENCE AND TECHNOLOGY | | | | | | |
| ST | --- | --- | --- | --- | --- | --- |
| NRC | --- | --- | --- | --- | --- | --- |
| NRC-SIR | --- | --- | --- | --- | --- | --- |
| NRC-STI | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- |
| SC | --- | 105 | --- | 102 | --- | 156 |
| SECRETARY OF STATE | | | | | | |
| SECS | 2,301 | 476 | 2,409 | 476 | 2,224 | 500 |
| SECS-OL | 246 | --- | 480 | --- | 509 | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | 476 | --- | 476 | --- | 500 |
| SECS-CIT | 2,055 | --- | 1,929 | --- | 1,715 | --- |
| PSC | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | |
| SGEN | 300 | 496 | 350 | 410 | 350 | 649 |
| SGEN-ADM | 300 | 496 | 350 | 410 | 350 | 649 |
| RCMP | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | |
| SS | --- | --- | --- | 19 | --- | 20 |
| SS-SUPP | --- | --- | --- | 19 | --- | 20 |
| STCAN | --- | --- | --- | --- | --- | --- |
| TRANSPORT | | | | | | |
| TPT | --- | --- | --- | --- | --- | --- |
| TPT-ADM | --- | --- | --- | --- | --- | --- |
| TPT-MAR | --- | --- | --- | --- | --- | --- |
| TPT-AIR | --- | --- | --- | --- | --- | --- |
| TPT-SUR | --- | --- | --- | --- | --- | --- |
| CTC | --- | 142 | --- | 164 | --- | 142 |
| TREASURY BOARD | | | | | | |
| TB | 113 | --- | 113 | --- | 113 | --- |
| TB-ADM | 113 | --- | 113 | --- | 113 | --- |
| TOTAL | 26,621 | 2,579 | 28,309 | 1,876 | 29,426 | 2,198 |

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RELATED SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|---------------------------------------|-----------------|-----------------|--------|-----------------|-----------------|--------|-----------------|-----------------|--------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| AGRICULTURE | | | | | | | | | |
| AGR | 1,000 | 491 | 1,491 | 1,200 | 607 | 1,807 | 1,600 | 621 | 2,221 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | 491 | 491 | --- | 607 | 607 | --- | 583 | 583 |
| AGR-RI | 1,000 | --- | 1,000 | 1,200 | --- | 1,200 | 1,600 | 38 | 1,638 |
| AGR-CGC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CDC | --- | 412 | 412 | --- | 600 | 600 | --- | 1,000 | 1,000 |
| CLFB | 17 | --- | 17 | 18 | 5 | 23 | 21 | 5 | 26 |
| COMMUNICATIONS | | | | | | | | | |
| COMM | 3,451 | 777 | 4,228 | 4,028 | 1,194 | 5,222 | 4,476 | 1,083 | 5,559 |
| COMM-COMM | 3,062 | 584 | 3,646 | 3,695 | 864 | 4,559 | 3,977 | 823 | 4,800 |
| COMM-AC | 389 | 193 | 582 | 333 | 330 | 663 | 499 | 266 | 759 |
| CBC | 1,597 | 1,751 | 3,348 | 1,647 | 2,007 | 3,654 | 1,753 | 2,221 | 3,974 |
| CETC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NFB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NLIB | 14,712 | 18 | 14,730 | 17,156 | 23 | 17,179 | 21,536 | 36 | 21,572 |
| NMUS | 24,669 | 5,728 | 30,397 | 25,332 | 5,104 | 30,436 | 26,135 | 5,577 | 31,712 |
| PA | 9,320 | --- | 9,320 | 9,900 | --- | 9,900 | 12,009 | --- | 12,009 |
| SSHRC | 1,746 | 13,542 | 15,288 | 1,959 | 15,825 | 17,784 | 2,123 | 16,445 | 18,568 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | | |
| CCA | 441 | 312 | 753 | 524 | 188 | 712 | 619 | 450 | 1,069 |
| CCA-ADM | 489 | 24 | 433 | 489 | --- | 489 | 584 | 65 | 649 |
| CCA-CON | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-COR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CICP | 32 | 288 | 320 | 35 | 188 | 223 | 35 | 385 | 420 |
| ECONOMIC DEVELOPMENT | | | | | | | | | |
| ED | 1,400 | 200 | 1,600 | 1,656 | 150 | 1,806 | 2,049 | 150 | 2,199 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | | |
| EI | 7,141 | 770 | 7,911 | 7,173 | 828 | 8,001 | 7,601 | 878 | 8,479 |
| EI-ADM | 7,141 | 770 | 7,911 | 7,173 | 828 | 8,001 | 7,601 | 878 | 8,479 |
| CEIC | 4,280 | 1,520 | 5,800 | 4,573 | 3,185 | 7,758 | 4,995 | 3,376 | 8,371 |
| ENERGY MINES & RESOURCES | | | | | | | | | |
| EMR | 3,297 | 408 | 3,705 | 2,546 | 550 | 3,096 | 2,788 | 600 | 3,388 |
| EMR-ENER | 1,065 | 400 | 1,465 | 1,350 | 550 | 1,900 | 1,470 | 600 | 2,070 |
| EMR-MES | 2,232 | 8 | 2,240 | 1,196 | --- | 1,196 | 1,318 | --- | 1,318 |
| AECB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AECI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NEE | 445 | --- | 445 | 465 | --- | 465 | 518 | --- | 518 |
| ENVIRONMENT | | | | | | | | | |
| ENV | 13,191 | 396 | 13,587 | 14,327 | 399 | 14,726 | 16,123 | 477 | 16,600 |
| ENV-ADM | 192 | --- | 192 | 261 | --- | 261 | 308 | --- | 308 |
| ENV-ES | 3,123 | 337 | 3,460 | 3,202 | 334 | 3,536 | 3,865 | 406 | 4,271 |
| ENV-EPS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-AES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-ECS | 3,123 | 337 | 3,460 | 3,202 | 334 | 3,536 | 3,865 | 406 | 4,271 |
| ENV-FOR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-PC | 9,876 | 59 | 9,935 | 10,864 | 65 | 10,929 | 11,950 | 71 | 12,021 |
| EXTERNAL AFFAIRS | | | | | | | | | |
| EA | 3,618 | 1,410 | 5,028 | 3,900 | 1,612 | 5,512 | 4,414 | 1,762 | 6,176 |
| EA-CIA | 3,618 | 1,410 | 5,028 | 3,900 | 1,612 | 5,512 | 4,414 | 1,762 | 6,176 |
| CIDA | 1,140 | 1,658 | 2,798 | 1,257 | 1,622 | 2,879 | 1,464 | 1,784 | 3,248 |
| IDRC | 3,998 | 1,195 | 5,193 | 5,083 | 1,302 | 6,385 | 5,827 | 1,502 | 7,329 |
| FINANCE | | | | | | | | | |
| FIN | 8,114 | --- | 8,114 | 9,507 | --- | 9,507 | 11,001 | --- | 11,001 |
| FIN-FEP | 8,114 | --- | 8,114 | 9,507 | --- | 9,507 | 11,001 | --- | 11,001 |
| FISHERIES AND OCEANS | | | | | | | | | |
| F&O | 2,260 | 300 | 2,560 | 2,375 | 300 | 2,675 | 2,276 | 300 | 2,576 |
| F&O-FM | 2,260 | 300 | 2,560 | 2,375 | 300 | 2,675 | 2,276 | 300 | 2,576 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | | |
| IAND | 983 | 1,563 | 2,546 | 1,123 | 1,542 | 2,665 | 1,208 | 1,863 | 3,071 |
| IAND-IIA | 75 | 1,353 | 1,428 | 80 | 1,358 | 1,438 | 85 | 1,441 | 1,526 |
| IAND-NA | 908 | 210 | 1,118 | 1,043 | 184 | 1,227 | 1,123 | 422 | 1,545 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | | |
| ITC | 113 | 114 | 227 | 118 | 269 | 387 | 133 | 261 | 394 |
| ITC-TI | 15 | 11 | 129 | 20 | 269 | 289 | 25 | 261 | 286 |
| ITC-TOUR | 98 | --- | 98 | 98 | --- | 98 | 108 | --- | 108 |
| ITC-GO | --- | --- | --- | --- | --- | --- | --- | --- | --- |

FEDERAL INTRAMURAL AND EXTRAMURAL EXPENDITURES ON RELATED SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|-----------------------------|-----------------|-----------------|---------|-----------------|-----------------|---------|-----------------|-----------------|---------|
| | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL | INTRA- MURAL | EXTRA- MURAL | TOTAL |
| JUSTICE | | | | | | | | | |
| JUST | 1,656 | 386 | 2,042 | 1,914 | 499 | 2,413 | 2,581 | 526 | 3,107 |
| JUST-ADM | 327 | 386 | 713 | 362 | 499 | 861 | 481 | 526 | 1,007 |
| JUST-CU10 | 1,329 | --- | 1,329 | 1,552 | --- | 1,552 | 2,100 | --- | 2,100 |
| CHRC | 202 | --- | 202 | 230 | --- | 230 | 255 | --- | 255 |
| LRC | 311 | 288 | 599 | 374 | 471 | 845 | 459 | 677 | 1,136 |
| LABOUR | | | | | | | | | |
| LAB | 2,661 | 96 | 2,757 | 3,035 | 175 | 3,210 | 3,338 | 191 | 3,529 |
| NATIONAL DEFENCE | | | | | | | | | |
| NDEF | 924 | 87 | 1,011 | 996 | 125 | 1,121 | 1,090 | 163 | 1,253 |
| NDEF-SER | 924 | 87 | 1,011 | 996 | 125 | 1,121 | 1,090 | 163 | 1,253 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | | |
| NHW | 3,651 | 3,062 | 6,713 | 4,492 | 3,163 | 7,655 | 4,593 | 3,770 | 8,363 |
| NHW-ADM | 2,807 | 1,070 | 3,877 | 3,235 | 1,570 | 4,805 | 3,540 | 2,070 | 5,610 |
| NHW-HSS | 357 | 1,992 | 2,349 | 726 | 1,593 | 2,319 | 523 | 1,700 | 2,223 |
| NHW-MS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-IS | 487 | --- | 487 | 531 | --- | 531 | 530 | --- | 530 |
| MRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | | | | |
| NREV | 2,679 | --- | 2,679 | 3,821 | --- | 3,821 | 4,548 | --- | 4,548 |
| NREV-TAX | 2,679 | --- | 2,679 | 3,821 | --- | 3,821 | 4,548 | --- | 4,548 |
| POST OFFICE | | | | | | | | | |
| PO | 386 | 3 | 389 | 274 | 26 | 300 | 574 | --- | 574 |
| PRIVY COUNCIL | | | | | | | | | |
| PC | 6 | --- | 6 | --- | --- | --- | --- | --- | --- |
| COL | 859 | --- | 859 | 975 | --- | 975 | 1,172 | --- | 1,172 |
| ECC | 844 | 672 | 1,516 | 1,011 | --- | 1,011 | 952 | --- | 952 |
| PUBLIC WORKS | | | | | | | | | |
| PW | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PW-PTS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CMHC | 3,645 | 2,028 | 5,673 | 4,200 | 1,720 | 5,920 | 4,620 | 2,259 | 6,879 |
| NCC | 495 | --- | 495 | 430 | --- | 430 | 582 | --- | 582 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | | |
| REE | --- | 638 | 638 | --- | 845 | 845 | --- | 1,434 | 1,434 |
| SCIENCE AND TECHNOLOGY | | | | | | | | | |
| ST | 5,156 | 536 | 5,692 | 5,973 | 570 | 6,543 | 7,410 | 2,289 | 9,699 |
| NRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-SIR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-STI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SC | 1,236 | --- | 1,236 | 1,511 | --- | 1,511 | 1,712 | --- | 1,712 |
| SECRETARY OF STATE | | | | | | | | | |
| SECS | 2,133 | 657 | 2,790 | 2,380 | 982 | 3,362 | 2,281 | 1,251 | 3,532 |
| SECS-OL | 36 | 35 | 71 | 71 | 302 | 373 | 91 | 216 | 307 |
| SECS-ES | 129 | --- | 129 | 155 | --- | 155 | 177 | --- | 177 |
| SECS-TRA | 1,899 | 290 | 2,189 | 2,081 | 290 | 2,371 | 1,936 | 290 | 2,226 |
| SECS-CIT | 69 | 332 | 401 | 73 | 390 | 463 | 77 | 745 | 822 |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | | |
| SGEN | 550 | 164 | 714 | 710 | 256 | 966 | 548 | 247 | 795 |
| SGEN-ADM | 550 | 164 | 714 | 710 | 256 | 966 | 548 | 247 | 795 |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | | |
| SS | 3 | 537 | 540 | 4 | 553 | 557 | 4 | 558 | 562 |
| SS-SUPP | 3 | 537 | 540 | 4 | 553 | 557 | 4 | 558 | 562 |
| STCAN | 118,626 | 31 | 118,657 | 143,956 | 31 | 143,987 | 223,456 | 34 | 223,490 |
| TRANSPORT | | | | | | | | | |
| TPT | 325 | --- | 325 | 1,240 | --- | 1,240 | 1,220 | --- | 1,220 |
| TPT-ADM | 120 | --- | 120 | 135 | --- | 135 | 135 | --- | 135 |
| TPT-MAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TPT-AIR | 205 | --- | 205 | 1,105 | --- | 1,105 | 1,085 | --- | 1,085 |
| TPT-SUR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CTC | 1,505 | 118 | 1,623 | 1,300 | 96 | 1,396 | 1,532 | 118 | 1,650 |
| TREASURY BOARD | | | | | | | | | |
| TB | 9,933 | --- | 9,933 | 11,673 | --- | 11,673 | 12,814 | --- | 12,814 |
| TB-ADM | 9,933 | --- | 9,933 | 11,673 | --- | 11,673 | 12,814 | --- | 12,814 |
| TOTAL | 264,719 | 41,868 | 306,587 | 306,366 | 46,824 | 353,190 | 406,410 | 53,908 | 460,318 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1979-80

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|---------------------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| AGRICULTURE | | | | | | | | |
| AGR | --- | 25 | --- | --- | 2 | --- | --- | 27 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEP | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-FI | --- | 25 | --- | --- | 2 | --- | --- | 27 |
| AGR-CGC | --- | --- | --- | --- | --- | --- | --- | --- |
| CDC | --- | --- | --- | --- | --- | --- | --- | --- |
| CLFB | 0 | 1 | --- | --- | 1 | --- | --- | 2 |
| COMMUNICATIONS | | | | | | | | |
| COMM | 8 | 39 | 33 | 3 | 28 | --- | --- | 111 |
| COMM-COMM | 8 | 32 | 32 | 3 | 27 | --- | --- | 102 |
| COMM-AC | --- | 7 | 1 | --- | 1 | --- | --- | 9 |
| CBC | 4 | 19 | 1 | 31 | 2 | --- | --- | 57 |
| CRIC | --- | 2 | 5 | 4 | 5 | --- | --- | 16 |
| NEP | --- | --- | --- | --- | --- | --- | --- | --- |
| HLIB | 3 | 182 | 35 | 46 | 231 | 3 | --- | 500 |
| HMUS | 5 | 73 | 137 | 188 | 116 | 165 | --- | 684 |
| PA | --- | 114 | 7 | 72 | 78 | --- | --- | 271 |
| SSHRC | 4 | 1 | 48 | --- | 52 | --- | --- | 105 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | |
| CCA | 3 | 29 | 3 | 3 | 12 | --- | --- | 50 |
| CCA-ADM | 3 | 5 | 2 | 1 | 3 | --- | --- | 14 |
| CCA-CON | --- | 11 | 1 | 2 | 4 | --- | --- | 18 |
| CCA-COR | --- | 2 | --- | --- | 2 | --- | --- | 4 |
| CCA-CICP | --- | 11 | --- | --- | 3 | --- | --- | 14 |
| ECONOMIC DEVELOPMENT | | | | | | | | |
| ED | 13 | 8 | 5 | --- | 5 | --- | --- | 31 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | |
| EI | 6 | 85 | 9 | 26 | 61 | --- | --- | 187 |
| EI-ADM | 6 | 85 | 9 | 26 | 61 | --- | --- | 187 |
| CEIC | --- | 89 | 8 | 11 | 66 | --- | --- | 174 |
| ENERGY MINES & RESOURCES | | | | | | | | |
| EMR | 4 | 82 | 7 | 14 | 22 | --- | --- | 129 |
| EMR-ENER | 1 | 29 | --- | --- | --- | --- | --- | 30 |
| EMR-MES | 3 | 53 | 7 | 14 | 22 | --- | --- | 99 |
| RECB | --- | --- | --- | --- | --- | --- | --- | --- |
| RECL | --- | --- | --- | --- | --- | --- | --- | --- |
| NEB | --- | 10 | --- | 3 | 2 | --- | --- | 15 |
| ENVIRONMENT | | | | | | | | |
| ENV | 1 | 95 | 14 | 82 | 47 | 3 | --- | 242 |
| ENV-ADM | --- | 2 | --- | --- | 3 | --- | --- | 5 |
| ENV-ES | 1 | 39 | 7 | 8 | 12 | 1 | --- | 68 |
| ENV-EPS | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-AES | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-ECS | 1 | 39 | 7 | 8 | 12 | 1 | --- | 68 |
| ENV-FOR | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-PC | --- | 54 | 7 | 74 | 32 | 2 | --- | 169 |
| EXTERNAL AFFAIRS | | | | | | | | |
| EA | --- | 4 | 68 | --- | 38 | --- | --- | 110 |
| EA-CIA | --- | 4 | 68 | --- | 38 | --- | --- | 110 |
| CIDA | 1 | 9 | 17 | 3 | 10 | --- | --- | 40 |
| IDRC | 5 | 35 | 15 | 47 | 56 | --- | --- | 158 |
| FINANCE | | | | | | | | |
| FIN | 8 | 120 | 20 | 22 | 43 | --- | --- | 212 |
| FIN-FEP | 8 | 120 | 20 | 22 | 43 | --- | --- | 212 |
| FISHERIES AND OCEANS | | | | | | | | |
| FAO | --- | 46 | 13 | 11 | 30 | --- | --- | 100 |
| FAO-FM | --- | 46 | 13 | 11 | 30 | --- | --- | 100 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | |
| IAND | 1 | 30 | 7 | 5 | 4 | 2 | --- | 47 |
| IAND-IIA | --- | 2 | 2 | 1 | 0 | --- | --- | 5 |
| IAND-NA | 1 | 28 | 5 | 4 | 4 | 2 | --- | 43 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | |
| ITC | --- | 5 | 3 | 1 | 1 | 1 | --- | 11 |
| ITC-TI | --- | 5 | --- | 1 | 1 | --- | --- | 7 |
| ITC-TOUR | --- | --- | 3 | --- | --- | 1 | --- | 4 |
| ITC-GO | --- | --- | --- | --- | --- | --- | --- | --- |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1979-80

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-----------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| JUSTICE | | | | | | | | |
| JUST | 2 | 14 | 9 | 1 | 23 | --- | --- | 49 |
| JUST-ADM | --- | 14 | 4 | 1 | 17 | --- | --- | 36 |
| JUST-CUIO | 2 | --- | 5 | --- | 6 | --- | --- | 13 |
| CHRC | --- | 1 | 2 | --- | 2 | --- | --- | 5 |
| LRC | 3 | 1 | 4 | --- | 29 | --- | --- | 37 |
| LABOUR | | | | | | | | |
| LAB | 1 | 24 | 28 | 19 | 36 | --- | --- | 107 |
| NATIONAL DEFENCE | | | | | | | | |
| NDEF | --- | 17 | 2 | --- | 16 | 0 | 29 | 64 |
| NDEF-SER | --- | 17 | 2 | --- | 16 | 0 | 29 | 64 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | |
| NHW | 7 | 67 | 28 | 20 | 42 | --- | --- | 163 |
| NHW-ADM | 5 | 47 | 15 | 16 | 28 | --- | --- | 111 |
| NHW-HSS | 1 | 14 | 8 | --- | 12 | --- | --- | 35 |
| NHW-MS | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HP | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-IS | 1 | 6 | 5 | 4 | 3 | --- | --- | 17 |
| MRC | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | | | |
| NREV | 2 | 27 | 68 | 2 | 71 | --- | --- | 170 |
| NREV-TAX | 2 | 27 | 68 | 2 | 71 | --- | --- | 170 |
| POST OFFICE | | | | | | | | |
| PO | 2 | 10 | 2 | 6 | 5 | --- | --- | 25 |
| PRIVY COUNCIL | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | 1 | --- | 24 | --- | 5 | --- | --- | 30 |
| ECC | 4 | 94 | 37 | 14 | 79 | --- | --- | 228 |
| PUBLIC WORKS | | | | | | | | |
| PW | --- | --- | --- | --- | --- | --- | --- | --- |
| PW-PTS | --- | --- | --- | --- | --- | --- | --- | --- |
| CMHC | 8 | 40 | 1 | 41 | 18 | --- | --- | 108 |
| NCC | 3 | 18 | 1 | 14 | 4 | 6 | --- | 46 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | |
| REE | 1 | 12 | 1 | 3 | 7 | --- | --- | 23 |
| SCIENCE AND TECHNOLOGY | | | | | | | | |
| ST | 21 | 11 | 76 | 5 | 47 | 2 | --- | 162 |
| NRC | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-SIR | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-STI | --- | --- | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- | --- | --- |
| SC | 3 | 13 | 12 | 13 | 22 | --- | --- | 63 |
| SECRETARY OF STATE | | | | | | | | |
| SECS | --- | 3 | 143 | 2 | 57 | --- | --- | 205 |
| SECS-OL | --- | 1 | --- | --- | --- | --- | --- | 1 |
| SECS-ES | --- | 2 | 1 | --- | 1 | --- | --- | 4 |
| SECS-TRA | --- | --- | 141 | --- | 56 | --- | --- | 197 |
| SECS-CIT | --- | --- | 1 | 2 | --- | --- | --- | 3 |
| PSC | --- | 4 | 1 | --- | 1 | --- | --- | 6 |
| SOLICITOR GENERAL | | | | | | | | |
| SGEN | --- | 30 | 3 | --- | 10 | 1 | --- | 44 |
| SGEN-ADM | --- | 30 | 3 | --- | 10 | 1 | --- | 44 |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | |
| SS | --- | --- | 0 | --- | 0 | --- | --- | 0 |
| SS-SUPP | --- | --- | 0 | --- | 0 | --- | --- | 0 |
| STCAN | 28 | 763 | 668 | 725 | 2,311 | 39 | --- | 4,534 |
| TRANSPORT | | | | | | | | |
| TPT | 1 | 2 | 0 | 4 | 1 | --- | --- | 8 |
| TPT-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| TPT-MAR | --- | --- | --- | --- | --- | --- | --- | --- |
| TPT-AIR | 1 | 0 | 0 | 4 | 1 | --- | --- | 6 |
| TPT-SUR | --- | 2 | --- | --- | --- | --- | --- | 2 |
| CTC | 2 | 50 | 1 | 12 | 16 | --- | --- | 81 |
| TREASURY BOARD | | | | | | | | |
| TB | 19 | 18 | 135 | 2 | 45 | --- | --- | 219 |
| TB-ADM | 19 | 18 | 135 | 2 | 45 | --- | --- | 219 |
| TOTAL | 173 | 2,323 | 1,700 | 1,453 | 3,756 | 222 | 29 | 9,657 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1980-81

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|---------------------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| AGRICULTURE | | | | | | | | |
| AGR | --- | 30 | --- | --- | 2 | --- | --- | 32 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-RI | --- | 30 | --- | --- | 2 | --- | --- | 32 |
| AGR-CGC | --- | --- | --- | --- | --- | --- | --- | --- |
| CDC | --- | --- | --- | --- | --- | --- | --- | --- |
| CLFB | 0 | 1 | --- | --- | 1 | --- | --- | 2 |
| COMMUNICATIONS | | | | | | | | |
| COMM | 8 | 39 | 33 | 3 | 29 | --- | --- | 112 |
| COMM-COMM | 8 | 32 | 32 | 3 | 27 | --- | --- | 102 |
| COMM-AC | --- | 7 | 1 | --- | 2 | --- | --- | 10 |
| CBC | 4 | 19 | 1 | 31 | 2 | --- | --- | 57 |
| CRTC | --- | 2 | 5 | 4 | 6 | --- | --- | 17 |
| NFB | --- | --- | --- | --- | --- | --- | --- | --- |
| NLIB | 2 | 192 | 38 | 46 | 220 | 2 | --- | 500 |
| NMUS | 5 | 73 | 137 | 188 | 116 | 160 | --- | 679 |
| PA | --- | 113 | 3 | 68 | 82 | --- | --- | 266 |
| SSHRC | 4 | 2 | 50 | --- | 49 | --- | --- | 105 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | |
| CCA | 3 | 32 | 4 | 2 | 12 | --- | --- | 53 |
| CCA-ADM | 3 | 5 | 2 | --- | 3 | --- | --- | 13 |
| CCA-CON | --- | 14 | 2 | 2 | 4 | --- | --- | 22 |
| CCA-COR | --- | 2 | --- | --- | 2 | --- | --- | 4 |
| CCA-CICP | --- | 11 | --- | --- | 3 | --- | --- | 14 |
| ECONOMIC DEVELOPMENT | | | | | | | | |
| ED | 14 | 14 | 3 | 1 | 10 | --- | --- | 42 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | |
| EI | 6 | 79 | 9 | 26 | 61 | --- | --- | 181 |
| EI-ADM | 6 | 79 | 9 | 26 | 61 | --- | --- | 181 |
| CEIC | --- | 86 | 9 | 11 | 58 | --- | --- | 164 |
| ENERGY MINES & RESOURCES | | | | | | | | |
| EMR | 4 | 86 | 7 | 14 | 22 | --- | --- | 133 |
| EMR-ENER | 1 | 32 | --- | --- | --- | --- | --- | 33 |
| EMR-MES | 3 | 54 | 7 | 14 | 22 | --- | --- | 100 |
| AECB | --- | --- | --- | --- | --- | --- | --- | --- |
| AECI | --- | --- | --- | --- | --- | --- | --- | --- |
| NEB | --- | 10 | --- | 2 | 2 | --- | --- | 14 |
| ENVIRONMENT | | | | | | | | |
| ENV | 1 | 95 | 14 | 82 | 48 | 3 | --- | 243 |
| ENV-ADM | --- | 2 | --- | --- | 4 | --- | --- | 6 |
| ENV-ES | 1 | 39 | 7 | 8 | 12 | 1 | --- | 68 |
| ENV-EPS | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-RES | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-ECS | 1 | 39 | 7 | 8 | 12 | 1 | --- | 68 |
| ENV-FOR | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-PC | --- | 54 | 7 | 74 | 32 | 2 | --- | 169 |
| EXTERNAL AFFAIRS | | | | | | | | |
| EA | --- | 7 | 75 | --- | 36 | --- | --- | 118 |
| EA-CIA | --- | 7 | 75 | --- | 36 | --- | --- | 118 |
| CIDA | 1 | 8 | 17 | 3 | 11 | --- | --- | 40 |
| IDRC | 5 | 37 | 15 | 54 | 55 | --- | --- | 165 |
| FINANCE | | | | | | | | |
| FIN | 10 | 135 | 19 | 21 | 38 | --- | --- | 223 |
| FIN-FEP | 10 | 135 | 19 | 21 | 38 | --- | --- | 223 |
| FISHERIES AND OCEANS | | | | | | | | |
| F&O | --- | 46 | 13 | 11 | 30 | --- | --- | 100 |
| F&O-FM | --- | 46 | 13 | 11 | 30 | --- | --- | 100 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | |
| IAND | 1 | 31 | 7 | 5 | 4 | 3 | --- | 49 |
| IAND-IIA | --- | 2 | 2 | 1 | 0 | --- | --- | 5 |
| IAND-NA | 1 | 30 | 5 | 4 | 4 | 3 | --- | 45 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | |
| ITC | --- | 5 | 3 | 1 | 1 | 1 | --- | 11 |
| ITC-TI | --- | 5 | --- | 1 | 1 | --- | --- | 7 |
| ITC-TOUR | --- | --- | 3 | --- | --- | 1 | --- | 4 |
| ITC-SD | --- | --- | --- | --- | --- | --- | --- | --- |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1980-81

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-----------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| JUSTICE | | | | | | | | |
| JUST | 1 | 15 | 10 | --- | 21 | --- | --- | 47 |
| JUST-ADM | --- | 15 | 4 | --- | 16 | --- | --- | 35 |
| JUST-CUIO | 1 | --- | 6 | --- | 5 | --- | --- | 12 |
| CHRC | --- | 1 | 2 | --- | 2 | --- | --- | 5 |
| LRC | 3 | 1 | 4 | --- | 28 | --- | --- | 36 |
| LABOUR | | | | | | | | |
| LAB | 3 | 24 | 30 | 20 | 36 | --- | --- | 112 |
| NATIONAL DEFENCE | | | | | | | | |
| NDEF | --- | 17 | 2 | --- | 16 | 0 | 30 | 65 |
| NDEF-SER | --- | 17 | 2 | --- | 16 | 0 | 30 | 65 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | |
| NHW | 7 | 72 | 28 | 20 | 44 | --- | --- | 170 |
| NHW-ADM | 5 | 47 | 15 | 16 | 28 | --- | --- | 111 |
| NHW-HSS | 2 | 19 | 8 | --- | 14 | --- | --- | 42 |
| NHW-MS | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HP | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-IS | 1 | 6 | 5 | 4 | 3 | --- | --- | 17 |
| MRC | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | | | |
| NREV | 2 | 31 | 65 | 4 | 88 | --- | --- | 190 |
| NREV-TAX | 2 | 31 | 65 | 4 | 88 | --- | --- | 190 |
| POST OFFICE | | | | | | | | |
| PO | 2 | 11 | 2 | 3 | 8 | --- | --- | 26 |
| PRIVY COUNCIL | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | 1 | --- | 25 | --- | 4 | --- | --- | 30 |
| ECC | 3 | 66 | 20 | 11 | 57 | --- | --- | 157 |
| PUBLIC WORKS | | | | | | | | |
| PW | --- | --- | --- | --- | --- | --- | --- | --- |
| PW-PTS | --- | --- | --- | --- | --- | --- | --- | --- |
| CMHC | 8 | 42 | 1 | 51 | 18 | --- | --- | 120 |
| NCC | 2 | 14 | 1 | 12 | 3 | 5 | --- | 37 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | |
| REE | 1 | 12 | 3 | 3 | 8 | --- | --- | 26 |
| SCIENCE AND TECHNOLOGY | | | | | | | | |
| ST | 21 | 11 | 69 | 5 | 48 | 2 | --- | 156 |
| NRC | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-SIR | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-STI | --- | --- | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- | --- | --- |
| SC | 3 | 16 | 19 | 5 | 21 | --- | --- | 64 |
| SECRETARY OF STATE | | | | | | | | |
| SECS | --- | 3 | 133 | 2 | 54 | --- | --- | 192 |
| SECS-OL | --- | 1 | --- | --- | --- | --- | --- | 1 |
| SECS-ES | --- | 2 | 1 | --- | 1 | --- | --- | 4 |
| SECS-TRA | --- | --- | 131 | --- | 53 | --- | --- | 184 |
| SECS-CIT | --- | --- | 1 | 2 | --- | --- | --- | 3 |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | |
| SGEN | --- | 30 | 3 | --- | 10 | 1 | --- | 44 |
| SGEN-ADM | --- | 30 | 3 | --- | 10 | 1 | --- | 44 |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | |
| SS | --- | --- | 0 | --- | 0 | --- | --- | 0 |
| SS-SUPP | --- | --- | 0 | --- | 0 | --- | --- | 0 |
| STCAN | 29 | 739 | 769 | 720 | 2,303 | 59 | --- | 4,619 |
| TRANSPORT | | | | | | | | |
| TPT | 2 | 4 | 2 | 17 | 2 | --- | --- | 28 |
| TPT-ADM | --- | 2 | --- | --- | --- | --- | --- | 2 |
| TPT-MAR | --- | --- | --- | --- | --- | --- | --- | --- |
| TPT-AIR | 2 | 1 | 1 | 17 | 2 | --- | --- | 24 |
| TPT-SUR | --- | 1 | 0 | 0 | --- | --- | --- | 2 |
| CTC | 2 | 40 | 1 | 10 | 15 | --- | --- | 68 |
| TREASURY BOARD | | | | | | | | |
| TB | 27 | 23 | 139 | 3 | 40 | --- | --- | 232 |
| TB-ADM | 27 | 23 | 139 | 3 | 40 | --- | --- | 232 |
| TOTAL | 184 | 2,314 | 1,789 | 1,457 | 3,720 | 236 | 30 | 9,730 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1981-82

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|---------------------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|-------|
| AGRICULTURE | | | | | | | | |
| AGR | --- | 40 | --- | --- | 2 | --- | --- | 42 |
| AGR-ADM | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-DEV | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-RI | --- | 40 | --- | --- | 2 | --- | --- | 42 |
| AGR-CGC | --- | --- | --- | --- | --- | --- | --- | --- |
| CDC | --- | --- | --- | --- | --- | --- | --- | --- |
| CLFB | 0 | 1 | --- | --- | 1 | --- | --- | 2 |
| COMMUNICATIONS | | | | | | | | |
| COMM | 8 | 39 | 33 | 3 | 28 | --- | --- | 111 |
| COMM-COMM | 8 | 32 | 32 | 3 | 27 | --- | --- | 102 |
| COMM-AC | --- | 7 | 1 | --- | 1 | --- | --- | 9 |
| CBC | 4 | 19 | 1 | 30 | 2 | --- | --- | 56 |
| CRTC | --- | 2 | 5 | 4 | 5 | --- | --- | 16 |
| NFB | --- | --- | --- | --- | --- | --- | --- | --- |
| NLIB | 2 | 199 | 41 | 39 | 234 | 2 | --- | 517 |
| NMUS | 6 | 74 | 130 | 177 | 126 | 142 | --- | 655 |
| PA | --- | 117 | 3 | 76 | 81 | 2 | --- | 279 |
| SSHRC | 4 | 2 | 50 | --- | 49 | --- | --- | 105 |
| CONSUMER AND CORPORATE AFFAIRS | | | | | | | | |
| CCA | 4 | 26 | 8 | 3 | 12 | --- | --- | 53 |
| CCA-ADM | 3 | 5 | 6 | --- | 3 | --- | --- | 17 |
| CCA-CON | 1 | 10 | 2 | 3 | 6 | --- | --- | 22 |
| CCA-COR | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CICP | --- | 11 | --- | --- | 3 | --- | --- | 14 |
| ECONOMIC DEVELOPMENT | | | | | | | | |
| ED | 14 | 14 | 3 | 1 | 10 | --- | --- | 42 |
| EMPLOYMENT & IMMIGRATION | | | | | | | | |
| EI | 6 | 79 | 9 | 26 | 61 | --- | --- | 181 |
| EI-ADM | 6 | 79 | 9 | 26 | 61 | --- | --- | 181 |
| CEIC | --- | 86 | 9 | 11 | 58 | --- | --- | 164 |
| ENERGY MINES & RESOURCES | | | | | | | | |
| EMR | 5 | 89 | 7 | 14 | 22 | --- | --- | 136 |
| EMR-ENER | 2 | 35 | --- | --- | --- | --- | --- | 36 |
| EMR-MES | 3 | 54 | 7 | 14 | 22 | --- | --- | 100 |
| AECB | --- | --- | --- | --- | --- | --- | --- | --- |
| AECI | --- | --- | --- | --- | --- | --- | --- | --- |
| NEB | --- | 10 | --- | 2 | 2 | --- | --- | 14 |
| ENVIRONMENT | | | | | | | | |
| ENV | 1 | 95 | 14 | 82 | 48 | 3 | --- | 243 |
| ENV-ADM | --- | 2 | --- | --- | 4 | --- | --- | 6 |
| ENV-ES | 1 | 39 | 7 | 8 | 12 | 1 | --- | 68 |
| ENV-EPS | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-AES | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-ECS | 1 | 39 | 7 | 8 | 12 | 1 | --- | 68 |
| ENV-FOR | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-PC | --- | 54 | 7 | 74 | 32 | 2 | --- | 169 |
| EXTERNAL AFFAIRS | | | | | | | | |
| EA | --- | 7 | 72 | --- | 38 | --- | --- | 117 |
| EA-CIA | --- | 7 | 72 | --- | 38 | --- | --- | 117 |
| CIDA | 1 | 8 | 18 | 3 | 11 | --- | --- | 41 |
| IDRC | 5 | 39 | 16 | 53 | 58 | --- | --- | 169 |
| FINANCE | | | | | | | | |
| FIN | 11 | 145 | 21 | 24 | 35 | --- | --- | 236 |
| FIN-FEP | 11 | 145 | 21 | 24 | 35 | --- | --- | 236 |
| FISHERIES AND OCEANS | | | | | | | | |
| F&O | --- | 45 | 12 | 11 | 30 | --- | --- | 98 |
| F&O-FM | --- | 45 | 12 | 11 | 30 | --- | --- | 98 |
| INDIAN AFFAIRS & NORTHERN DEVELOPMENT | | | | | | | | |
| IAND | 2 | 33 | 6 | 4 | 4 | 3 | --- | 50 |
| IAND-IIA | 2 | 2 | 1 | 0 | --- | --- | --- | 5 |
| IAND-NA | 1 | 31 | 5 | 4 | 4 | 3 | --- | 46 |
| INDUSTRY TRADE AND COMMERCE | | | | | | | | |
| ITC | --- | 5 | 3 | 1 | 1 | 1 | --- | 11 |
| ITC-II | --- | 5 | --- | 1 | 1 | --- | --- | 7 |
| ITC-TOUR | --- | --- | 3 | --- | --- | 1 | --- | 4 |
| ITC-GO | --- | --- | --- | --- | --- | --- | --- | --- |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CATEGORY, 1981-82

(FULL-TIME EQUIVALENT PERSON-YEARS)

| DEPARTMENT OR AGENCY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMIN. & FOREIGN SERVICE | TECHNICAL | ADMINIS- TRATIVE SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-----------------------------|-----------|------------------------------|--------------------------------|-----------|--------------------------------|-------------|----------|--------|
| JUSTICE | | | | | | | | |
| JUST | 1 | 21 | 9 | --- | 20 | --- | --- | 51 |
| JUST-ADM | --- | 21 | 3 | --- | 14 | --- | --- | 38 |
| JUST-CUJO | 1 | --- | 6 | --- | 6 | --- | --- | 13 |
| CHRC | --- | 1 | 2 | --- | 2 | --- | --- | 5 |
| LRC | 4 | 1 | 4 | --- | 29 | --- | --- | 38 |
| LABOUR | | | | | | | | |
| LAB | 3 | 24 | 31 | 20 | 37 | --- | --- | 116 |
| NATIONAL DEFENCE | | | | | | | | |
| NDEF | --- | 17 | 2 | --- | 16 | --- | 30 | 65 |
| NDEF-SER | --- | 17 | 2 | --- | 16 | --- | 30 | 65 |
| NATIONAL HEALTH AND WELFARE | | | | | | | | |
| NHW | 8 | 71 | 29 | 20 | 41 | --- | --- | 168 |
| NHW-ADM | 5 | 47 | 15 | 16 | 28 | --- | --- | 111 |
| NHW-HSS | 2 | 18 | 9 | --- | 11 | --- | --- | 40 |
| NHW-MS | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HP | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-IS | 1 | 6 | 5 | 4 | 3 | --- | --- | 17 |
| MRC | --- | --- | --- | --- | --- | --- | --- | --- |
| NATIONAL REVENUE | | | | | | | | |
| NREV | 1 | 39 | 73 | 2 | 101 | --- | --- | 216 |
| NREV-TAX | 1 | 39 | 73 | 2 | 101 | --- | --- | 216 |
| POST OFFICE | | | | | | | | |
| PO | 2 | 11 | 2 | 3 | 9 | --- | --- | 27 |
| PRIVY COUNCIL | | | | | | | | |
| PC | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | 1 | --- | 25 | --- | 4 | --- | --- | 30 |
| ECC | 3 | 63 | 25 | 17 | 35 | --- | --- | 143 |
| PUBLIC WORKS | | | | | | | | |
| PW | --- | --- | --- | --- | --- | --- | --- | --- |
| PW-PTS | --- | --- | --- | --- | --- | --- | --- | --- |
| CMHC | 8 | 42 | 1 | 51 | 18 | --- | --- | 120 |
| NCC | 2 | 14 | 1 | 12 | 3 | 5 | --- | 37 |
| REGIONAL ECONOMIC EXPANSION | | | | | | | | |
| REE | 1 | 14 | 1 | 3 | 10 | --- | --- | 28 |
| SCIENCE AND TECHNOLOGY | | | | | | | | |
| ST | 23 | 11 | 67 | 5 | 53 | 2 | --- | 161 |
| NRC | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-SIR | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-STI | --- | --- | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- | --- | --- |
| SC | 5 | 16 | 18 | 5 | 21 | --- | --- | 65 |
| SECRETARY OF STATE | | | | | | | | |
| SECS | --- | 3 | 122 | 3 | 50 | --- | --- | 178 |
| SECS-OL | --- | 1 | --- | 1 | --- | --- | --- | 2 |
| SECS-ES | --- | 2 | 1 | --- | 1 | --- | --- | 4 |
| SECS-TRA | --- | --- | 120 | --- | 49 | --- | --- | 169 |
| SECS-CIT | --- | --- | 1 | 2 | --- | --- | --- | 3 |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- |
| SOLICITOR GENERAL | | | | | | | | |
| SGEN | --- | 29 | 3 | --- | 10 | 1 | --- | 43 |
| SGEN-ADM | --- | 29 | 3 | --- | 10 | 1 | --- | 43 |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPLY AND SERVICES | | | | | | | | |
| SS | --- | --- | 0 | --- | 0 | --- | --- | 0 |
| SS-SUPP | --- | --- | 0 | --- | 0 | --- | --- | 0 |
| STCAN | 31 | 767 | 832 | 766 | 3,011 | 82 | --- | 5,489 |
| TRANSPORT | | | | | | | | |
| TPT | 2 | 4 | 3 | 16 | 2 | --- | --- | 26 |
| TPT-ADM | --- | 2 | --- | --- | --- | --- | --- | 2 |
| TPT-MAR | --- | --- | --- | --- | --- | --- | --- | --- |
| TPT-AIR | 2 | 2 | 2 | 15 | 2 | --- | --- | 23 |
| TPT-SUR | --- | 0 | 0 | 0 | --- | --- | --- | 1 |
| CTC | 2 | 40 | 1 | 10 | 15 | --- | --- | 68 |
| TREASURY BOARD | | | | | | | | |
| TB | 25 | 17 | 146 | 2 | 42 | --- | --- | 232 |
| TB-ADM | 25 | 17 | 146 | 2 | 42 | --- | --- | 232 |
| TOTAL | 193 | 2,378 | 1,857 | 1,498 | 4,445 | 243 | 30 | 10,643 |

FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY, 1979-82

(FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------------|-----------|------------------------------|-------------------------------|-----------|-----------------------|-------------|----------|--------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 22 | 391 | 158 | 109 | 217 | 6 | 18 | 921 |
| INTRAMURAL RSA | 139 | 1,839 | 1,439 | 1,330 | 3,420 | 216 | 11 | 8,394 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 12 | 93 | 103 | 14 | 120 | 0 | 0 | 341 |
| TOTAL | 173 | 2,323 | 1,700 | 1,453 | 3,756 | 222 | 29 | 9,657 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 22 | 351 | 154 | 101 | 199 | 6 | 19 | 851 |
| INTRAMURAL RSA | 150 | 1,869 | 1,532 | 1,344 | 3,407 | 230 | 11 | 8,542 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 13 | 94 | 103 | 13 | 114 | 0 | 0 | 337 |
| TOTAL | 184 | 2,314 | 1,789 | 1,457 | 3,720 | 236 | 30 | 9,730 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 26 | 404 | 156 | 110 | 185 | 6 | 19 | 907 |
| INTRAMURAL RSA | 154 | 1,881 | 1,596 | 1,375 | 4,142 | 237 | 11 | 9,396 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 13 | 94 | 104 | 12 | 118 | 0 | 0 | 341 |
| TOTAL | 193 | 2,378 | 1,857 | 1,498 | 4,445 | 243 | 30 | 10,643 |

4

Distribution by Cabinet Committee

THE NEW YORK PUBLIC LIBRARY

TABLE 50

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY COMMITTEE, BY SCIENCE ACTIVITY

| (\$ THOUSANDS) | | | | | | | | | | | | | | |
|-----------------------|------------------|-------|---------|-------|----------------|-------|---------|-------|----------------------------|-------|---------|-------|-----------|-------|
| | NATURAL SCIENCES | | | | HUMAN SCIENCES | | | | NATURAL AND HUMAN SCIENCES | | | | TOTAL | S&T |
| | R&D | | RSA | | R&D | | RSA | | R&D | | RSA | | | |
| | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | | |
| 1975-80 | | | | | | | | | | | | | | |
| TOTAL | 1,100,308 | 100.0 | 394,226 | 100.0 | 90,678 | 100.0 | 306,587 | 100.0 | 1,190,986 | 100.0 | 700,813 | 100.0 | 1,891,799 | 100.0 |
| ECONOMIC DEVELOPMENT | 865,194 | 78.6 | 184,788 | 46.9 | 11,338 | 12.5 | 27,667 | 9.0 | 876,532 | 73.6 | 212,455 | 30.3 | 1,088,987 | 57.6 |
| SOCIAL DEVELOPMENT | 120,483 | 10.9 | 182,030 | 46.2 | 48,260 | 53.2 | 122,242 | 39.9 | 168,743 | 14.2 | 304,272 | 43.4 | 473,015 | 25.0 |
| EXTERNAL AFF. & DEF. | 111,080 | 10.1 | 25,212 | 6.4 | 15,765 | 17.4 | 14,030 | 4.6 | 126,845 | 10.7 | 39,242 | 5.6 | 166,087 | 8.8 |
| SERVICE TO GOVERNMENT | 3,551 | 0.3 | 2,196 | 0.6 | 15,315 | 16.9 | 142,648 | 46.5 | 18,866 | 1.6 | 144,844 | 20.7 | 163,710 | 8.7 |
| 1980-81 | | | | | | | | | | | | | | |
| TOTAL | 1,297,764 | 100.0 | 434,655 | 100.0 | 93,702 | 100.0 | 353,190 | 100.0 | 1,391,466 | 100.0 | 787,845 | 100.0 | 2,179,311 | 100.0 |
| ECONOMIC DEVELOPMENT | 1,029,647 | 79.3 | 200,942 | 46.2 | 11,623 | 12.4 | 31,432 | 8.9 | 1,041,270 | 74.8 | 232,374 | 29.5 | 1,273,644 | 58.4 |
| SOCIAL DEVELOPMENT | 139,756 | 10.8 | 203,502 | 46.8 | 53,763 | 57.4 | 134,157 | 38.0 | 193,519 | 13.9 | 337,659 | 42.9 | 531,178 | 24.4 |
| EXTERNAL AFF. & DEF. | 124,101 | 9.6 | 26,161 | 6.0 | 13,996 | 14.9 | 15,897 | 4.5 | 138,097 | 9.9 | 42,058 | 5.3 | 180,155 | 8.3 |
| SERVICE TO GOVERNMENT | 4,260 | 0.3 | 4,050 | 0.9 | 14,320 | 15.3 | 171,704 | 48.6 | 18,580 | 1.3 | 175,754 | 22.3 | 194,334 | 8.9 |
| 1981-82 | | | | | | | | | | | | | | |
| TOTAL | 1,495,064 | 100.0 | 485,658 | 100.0 | 107,080 | 100.0 | 460,318 | 100.0 | 1,602,144 | 100.0 | 945,976 | 100.0 | 2,548,120 | 100.0 |
| ECONOMIC DEVELOPMENT | 1,198,508 | 80.2 | 220,628 | 45.4 | 13,810 | 12.9 | 37,997 | 8.3 | 1,212,318 | 75.7 | 258,625 | 27.3 | 1,470,943 | 57.7 |
| SOCIAL DEVELOPMENT | 155,076 | 10.4 | 229,534 | 47.3 | 60,147 | 56.2 | 149,182 | 32.4 | 215,223 | 13.4 | 378,716 | 40.0 | 593,939 | 23.3 |
| EXTERNAL AFF. & DEF. | 140,072 | 9.4 | 29,247 | 6.0 | 16,070 | 15.0 | 18,006 | 3.9 | 156,142 | 9.7 | 47,253 | 5.0 | 203,395 | 8.0 |
| SERVICE TO GOVERNMENT | 1,408 | 0.1 | 6,249 | 1.3 | 17,053 | 15.9 | 255,133 | 55.4 | 18,461 | 1.2 | 261,382 | 27.6 | 279,841 | 11.0 |

TABLE 60

NATURAL AND HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY CABINET COMMITTEE
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|--|-----------|--------|-----------|-----------|--------|-----------|-----------|--------|-----------|
| | NATURAL | HUMAN | TOTAL | NATURAL | HUMAN | TOTAL | NATURAL | HUMAN | TOTAL |
| ECONOMIC DEVELOPMENT CABINET COMMITTEE | | | | | | | | | |
| AGR | 142,400 | 1,541 | 143,941 | 151,025 | 1,857 | 152,882 | 167,874 | 2,271 | 170,145 |
| AGR-ADM | 3,134 | 491 | 3,625 | 3,212 | 607 | 3,819 | 3,729 | 583 | 4,312 |
| AGR-DEV | 131,745 | 1,050 | 132,795 | 138,947 | 1,250 | 140,197 | 153,074 | 1,688 | 154,762 |
| AGR-RI | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| AGR-CGC | 2,835 | --- | 2,835 | 3,193 | --- | 3,193 | 3,515 | --- | 3,515 |
| CDC | --- | 479 | 479 | --- | 600 | 600 | --- | 1,000 | 1,000 |
| CLFB | --- | 79 | 79 | --- | 119 | 119 | --- | 136 | 136 |
| COMM-COMM | 53,489 | 5,137 | 58,626 | 65,602 | 5,311 | 70,913 | 50,511 | 6,274 | 56,785 |
| CCA | 9,613 | 2,575 | 12,188 | 11,205 | 2,779 | 13,984 | 12,008 | 2,962 | 15,050 |
| CCA-ADM | --- | 433 | 433 | --- | 489 | 489 | --- | 649 | 649 |
| CCA-CON | 1,504 | 1,163 | 2,667 | 1,678 | 1,439 | 3,117 | 1,050 | 1,551 | 3,401 |
| CCA-COR | 8,109 | 332 | 8,441 | 9,527 | 272 | 9,799 | 10,238 | --- | 10,238 |
| CCA-CICP | --- | 647 | 647 | --- | 579 | 579 | --- | 762 | 762 |
| ED | --- | 1,600 | 1,600 | --- | 1,806 | 1,806 | --- | 2,199 | 2,199 |
| EMR | 157,106 | 5,574 | 162,680 | 195,452 | 4,742 | 200,194 | 270,935 | 4,812 | 275,747 |
| EMR-ENER | 59,026 | 1,465 | 60,491 | 88,120 | 1,900 | 90,020 | 149,053 | 2,070 | 151,123 |
| EMR-MES | 98,080 | 4,109 | 102,189 | 107,332 | 2,842 | 110,174 | 121,882 | 2,742 | 124,624 |
| AECB | 575 | --- | 575 | 768 | --- | 768 | 851 | --- | 851 |
| AECI | 88,946 | --- | 88,946 | 98,555 | --- | 98,555 | 111,516 | --- | 111,516 |
| NEB | 1,336 | 445 | 1,781 | 1,425 | 465 | 1,890 | 1,571 | 518 | 2,089 |
| ENV-FOR | 39,786 | --- | 39,786 | 50,325 | --- | 50,325 | 58,293 | --- | 58,293 |
| F&O | 109,315 | 3,350 | 112,665 | 112,903 | 3,500 | 116,403 | 116,405 | 3,430 | 119,835 |
| F&O-FM | 109,315 | 3,350 | 112,665 | 112,903 | 3,500 | 116,403 | 116,405 | 3,430 | 119,835 |
| ITC | 82,184 | 1,277 | 83,461 | 97,808 | 2,106 | 99,914 | 123,727 | 3,325 | 127,052 |
| ITC-TI | 80,392 | 932 | 81,324 | 96,868 | 1,761 | 98,629 | 123,197 | 2,946 | 126,143 |
| ITC-TOUR | --- | 345 | 345 | --- | 345 | 345 | --- | 379 | 379 |
| ITC-GO | 1,792 | --- | 1,792 | 940 | --- | 940 | 530 | --- | 530 |
| LAB | --- | 3,225 | 3,225 | --- | 3,813 | 3,813 | --- | 4,191 | 4,191 |
| REL | 1,589 | 1,428 | 3,017 | 3,021 | 1,645 | 4,666 | 6,427 | 2,406 | 8,833 |
| ST | --- | 5,692 | 5,692 | --- | 6,543 | 6,543 | --- | 9,699 | 9,699 |
| NRC | 201,409 | --- | 201,409 | 237,391 | --- | 237,391 | 274,148 | --- | 274,148 |
| NRC-SIR | 187,841 | --- | 187,841 | 221,184 | --- | 221,184 | 254,922 | --- | 254,922 |
| NRC-STI | 13,568 | --- | 13,568 | 16,207 | --- | 16,207 | 19,226 | --- | 19,226 |
| NSERC | 121,048 | --- | 121,048 | 163,204 | --- | 163,204 | 182,016 | --- | 182,016 |
| SC | --- | 2,481 | 2,481 | --- | 3,005 | 3,005 | --- | 3,542 | 3,542 |
| SS | 14,053 | 863 | 14,916 | 14,077 | 898 | 14,975 | 14,203 | 907 | 15,110 |
| SS-SUPP | 14,053 | 863 | 14,916 | 14,077 | 898 | 14,975 | 14,203 | 907 | 15,110 |
| TPT | 27,133 | 541 | 27,674 | 27,828 | 1,410 | 29,238 | 28,571 | 1,390 | 29,961 |
| TPT-ADM | 7,974 | 210 | 8,184 | 9,176 | 235 | 9,411 | 11,429 | 235 | 11,674 |
| TPT-MAR | 9,930 | --- | 9,930 | 10,956 | --- | 10,956 | 11,192 | --- | 11,192 |
| TPT-AIR | 5,655 | 229 | 5,884 | 7,222 | 1,105 | 8,327 | 5,884 | 1,085 | 6,969 |
| TPT-SUR | 3,574 | 102 | 3,676 | 474 | 70 | 544 | 56 | 70 | 126 |
| CTC | --- | 2,718 | 2,718 | --- | 2,456 | 2,456 | --- | 2,745 | 2,745 |
| TOTAL CC | 1,049,982 | 39,005 | 1,088,987 | 1,230,589 | 43,055 | 1,273,644 | 1,419,136 | 51,807 | 1,470,943 |
| SOCIAL DEVELOPMENT CABINET COMMITTEE | | | | | | | | | |
| COMM-AC | --- | 582 | 582 | --- | 663 | 663 | --- | 759 | 759 |
| CBC | --- | 3,348 | 3,348 | --- | 3,654 | 3,654 | --- | 3,974 | 3,974 |
| CRIC | --- | 542 | 542 | --- | 776 | 776 | --- | 679 | 679 |
| NFB | 499 | --- | 499 | 636 | --- | 636 | 698 | --- | 698 |
| NLIB | --- | 14,730 | 14,730 | --- | 17,179 | 17,179 | --- | 21,572 | 21,572 |
| NMUS | 18,079 | 31,983 | 50,062 | 21,093 | 32,245 | 53,338 | 20,832 | 35,298 | 56,130 |
| PA | --- | 9,320 | 9,320 | --- | 9,900 | 9,900 | --- | 12,009 | 12,009 |
| SSHRC | --- | 36,581 | 36,581 | --- | 42,641 | 42,641 | --- | 45,601 | 45,601 |
| EI | --- | 9,203 | 9,203 | --- | 9,529 | 9,529 | --- | 10,050 | 10,050 |
| EI-ADM | --- | 9,203 | 9,203 | --- | 9,529 | 9,529 | --- | 10,050 | 10,050 |
| CEIC | --- | 5,800 | 5,800 | --- | 7,758 | 7,758 | --- | 8,371 | 8,371 |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY DEPARTMENT OR AGENCY, BY CABINET COMMITTEE

(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|--|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|
| | NATURAL | HUMAN | TOTAL | NATURAL | HUMAN | TOTAL | NATURAL | HUMAN | TOTAL |
| ENV | 165,897 | 14,397 | 180,294 | 183,224 | 15,547 | 198,771 | 210,920 | 17,576 | 228,496 |
| ENV-ADM | 1,315 | 192 | 1,507 | 1,579 | 261 | 1,840 | 1,621 | 308 | 1,929 |
| ENV-EPS | 7,075 | --- | 7,075 | 8,134 | --- | 8,134 | 8,170 | --- | 8,170 |
| ENV-AES | 102,837 | --- | 102,837 | 117,703 | --- | 117,703 | 133,936 | --- | 133,936 |
| ENV-ECS | 53,245 | 4,164 | 57,409 | 54,242 | 4,240 | 58,482 | 65,470 | 5,118 | 70,588 |
| ENV-PC | 1,425 | 10,041 | 11,466 | 1,566 | 11,046 | 12,612 | 1,723 | 12,150 | 13,873 |
| IAND | 2,347 | 3,669 | 6,016 | 2,587 | 3,919 | 6,506 | 2,640 | 4,390 | 7,030 |
| IAND-IIA | --- | 1,688 | 1,688 | --- | 1,705 | 1,705 | --- | 1,612 | 1,612 |
| IAND-NA | 2,347 | 1,981 | 4,328 | 2,587 | 2,214 | 4,801 | 2,640 | 2,578 | 5,218 |
| JUST | --- | 4,168 | 4,168 | --- | 4,794 | 4,794 | --- | 6,315 | 6,315 |
| JUST-ADM | --- | 2,839 | 2,839 | --- | 3,242 | 3,242 | --- | 4,215 | 4,215 |
| JUST-CUIO | --- | 1,329 | 1,329 | --- | 1,552 | 1,552 | --- | 2,100 | 2,100 |
| CHRC | --- | 202 | 202 | --- | 230 | 230 | --- | 255 | 255 |
| LRC | --- | 2,328 | 2,328 | --- | 2,622 | 2,622 | --- | 3,302 | 3,302 |
| NHW | 42,608 | 15,392 | 58,000 | 49,788 | 16,447 | 66,235 | 56,392 | 17,683 | 74,075 |
| NHW-ADM | --- | 5,287 | 5,287 | --- | 6,440 | 6,440 | --- | 7,270 | 7,270 |
| NHW-HSS | 6,904 | 9,618 | 16,522 | 8,735 | 9,476 | 18,211 | 7,891 | 9,883 | 17,774 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 35,569 | --- | 35,569 | 39,613 | --- | 39,613 | 46,880 | --- | 46,880 |
| NHW-IS | --- | 487 | 487 | --- | 531 | 531 | --- | 530 | 530 |
| MRC | 70,057 | --- | 70,057 | 82,031 | --- | 82,031 | 88,590 | --- | 88,590 |
| CMHC | 2,995 | 7,987 | 10,982 | 3,769 | 8,132 | 11,901 | 4,146 | 9,312 | 13,458 |
| SECS | --- | 7,785 | 7,785 | --- | 9,193 | 9,193 | --- | 9,431 | 9,431 |
| SECS-OL | --- | 317 | 317 | --- | 853 | 853 | --- | 816 | 816 |
| SECS-ES | --- | 129 | 129 | --- | 155 | 155 | --- | 177 | 177 |
| SECS-TRA | --- | 4,849 | 4,849 | --- | 5,225 | 5,225 | --- | 5,333 | 5,333 |
| SECS-CIT | --- | 2,490 | 2,490 | --- | 2,960 | 2,960 | --- | 3,105 | 3,105 |
| SGEN | --- | 2,485 | 2,485 | --- | 2,691 | 2,691 | --- | 2,752 | 2,752 |
| SGEN-ADM | --- | 2,485 | 2,485 | --- | 2,691 | 2,691 | --- | 2,752 | 2,752 |
| RCMP | 31 | --- | 31 | 130 | --- | 130 | 392 | --- | 392 |
| TOTAL CC | 302,513 | 170,502 | 473,015 | 343,258 | 187,920 | 531,178 | 384,610 | 209,329 | 593,939 |
| EXTERNAL AFFAIRS AND DEFENCE CABINET COMMITTEE | | | | | | | | | |
| EA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| EA-CIA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| CIDA | 32,187 | 5,258 | 37,445 | 32,753 | 4,364 | 37,117 | 36,663 | 4,873 | 41,536 |
| IDRC | 18,597 | 17,882 | 36,479 | 20,813 | 18,221 | 39,034 | 24,407 | 21,043 | 45,450 |
| NDEF | 85,508 | 1,627 | 87,135 | 96,696 | 1,796 | 98,492 | 108,249 | 1,984 | 110,233 |
| NDEF-SER | 85,508 | 1,627 | 87,135 | 96,696 | 1,796 | 98,492 | 108,249 | 1,984 | 110,233 |
| TOTAL CC | 136,292 | 29,795 | 166,087 | 150,262 | 29,893 | 180,155 | 169,319 | 34,076 | 203,395 |
| SERVICE TO GOVERNMENT CABINET COMMITTEE | | | | | | | | | |
| FIN | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FIN-FEP | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| NREI | --- | 4,168 | 4,168 | --- | 5,257 | 5,257 | --- | 6,132 | 6,132 |
| NREI-TAX | --- | 4,168 | 4,168 | --- | 5,257 | 5,257 | --- | 6,132 | 6,132 |
| PO | --- | 632 | 632 | --- | 558 | 558 | --- | 1,147 | 1,147 |
| PC | --- | 1,802 | 1,802 | --- | 549 | 549 | --- | 549 | 549 |
| COL | --- | 859 | 859 | --- | 975 | 975 | --- | 1,172 | 1,172 |
| ECC | --- | 8,841 | 8,841 | --- | 8,030 | 8,030 | --- | 7,392 | 7,392 |
| PW | 5,747 | --- | 5,747 | 8,310 | --- | 8,310 | 7,657 | --- | 7,657 |
| PW-PTS | 5,747 | --- | 5,747 | 8,310 | --- | 8,310 | 7,657 | --- | 7,657 |
| NCC | --- | 1,133 | 1,133 | --- | 1,091 | 1,091 | --- | 1,913 | 1,913 |
| PSC | --- | 212 | 212 | --- | --- | --- | --- | --- | --- |
| STCAN | --- | 122,156 | 122,156 | --- | 148,271 | 148,271 | --- | 229,953 | 229,953 |
| TB | --- | 10,046 | 10,046 | --- | 11,786 | 11,786 | --- | 12,927 | 12,927 |
| TB-ADM | --- | 10,046 | 10,046 | --- | 11,786 | 11,786 | --- | 12,927 | 12,927 |
| TOTAL CC | 5,747 | 157,963 | 163,710 | 8,310 | 186,024 | 194,334 | 7,657 | 272,186 | 279,843 |
| TOTAL | 1,494,534 | 397,265 | 1,891,799 | 1,732,419 | 446,892 | 2,179,311 | 1,980,722 | 567,398 | 2,548,120 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY PERFORMER, 1979-1982

ECONOMIC DEVELOPMENT CABINET COMMITTEE
(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|-----------|---------|-----------|---------|-----------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 656,527 | (60.3) | 733,373 | (57.6) | 839,201 | (57.1) |
| INDUSTRY | 210,600 | (19.3) | 253,932 | (19.9) | 297,759 | (20.2) |
| UNIVERSITIES | 139,204 | (12.8) | 183,903 | (14.4) | 205,480 | (14.0) |
| NON-PROFIT INSTITUTIONS | 9,416 | (0.9) | 11,738 | (0.9) | 12,985 | (0.9) |
| PROVINCIAL & MUNICIPAL | 57,172 | (5.3) | 72,536 | (5.7) | 98,455 | (6.7) |
| FOREIGN | 6,947 | (0.6) | 9,899 | (0.8) | 10,304 | (0.7) |
| OTHER CANADIAN | 9,121 | (0.8) | 8,263 | (0.6) | 6,759 | (0.5) |
| TOTAL | 1,088,987 | (100.0) | 1,273,644 | (100.0) | 1,470,943 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY PERFORMER, 1979-1982

SOCIAL DEVELOPMENT CABINET COMMITTEE

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|-------------------------|---------|---------|---------|---------|---------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 311,650 | (65.9) | 346,071 | (65.2) | 394,548 | (66.4) |
| INDUSTRY | 13,687 | (2.9) | 17,891 | (3.4) | 19,758 | (3.3) |
| UNIVERSITIES | 110,132 | (23.3) | 128,015 | (24.1) | 136,792 | (23.0) |
| NON-PROFIT INSTITUTIONS | 13,314 | (2.8) | 13,382 | (2.5) | 14,161 | (2.4) |
| PROVINCIAL & MUNICIPAL | 11,610 | (2.5) | 11,513 | (2.2) | 13,219 | (2.2) |
| FOREIGN | 6,411 | (1.4) | 6,944 | (1.3) | 7,356 | (1.2) |
| OTHER CANADIAN | 6,211 | (1.3) | 7,362 | (1.4) | 8,105 | (1.4) |
| TOTAL | 473,015 | (100.0) | 531,178 | (100.0) | 593,939 | (100.0) |

INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY PERFORMER, 1979-1982

EXTERNAL AFFAIRS AND DEFENCE CABINET COMMITTEE
(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|---------|---------|---------|---------|---------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 76,886 | (46.3) | 83,388 | (46.3) | 91,786 | (45.1) |
| INDUSTRY | 45,643 | (27.5) | 51,679 | (28.7) | 60,248 | (29.6) |
| UNIVERSITIES | 6,073 | (3.7) | 7,614 | (4.2) | 8,800 | (4.3) |
| NON-PROFIT INSTITUTIONS | 924 | (0.6) | 370 | (0.2) | 555 | (0.3) |
| PROVINCIAL & MUNICIPAL | 11 | (0.0) | 100 | (0.1) | 0 | (0.0) |
| FOREIGN | 35,871 | (21.6) | 36,470 | (20.2) | 41,375 | (20.3) |
| OTHER CANADIAN | 679 | (0.4) | 534 | (0.3) | 631 | (0.3) |
| TOTAL | 166,087 | (100.0) | 180,155 | (100.0) | 203,395 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES

BY PERFORMER, 1979-1982

SERVICE TO GOVERNMENT CABINET COMMITTEE

(\$ THOUSANDS)

| PERFORMER | 1979-80 | | 1980-81 | | 1981-82 | |
|----------------------------|---------|---------|---------|---------|---------|---------|
| | \$ | % | \$ | % | \$ | % |
| INTRAMURAL | 157,145 | (96.0) | 188,668 | (97.1) | 276,161 | (98.7) |
| INDUSTRY | 3,465 | (2.1) | 4,414 | (2.3) | 2,598 | (0.9) |
| UNIVERSITIES | 652 | (0.4) | 240 | (0.1) | 165 | (0.1) |
| NON-PROFIT INSTITUTIONS | 2,078 | (1.3) | 721 | (0.4) | 711 | (0.3) |
| PROVINCIAL & MUNICIPAL | 5 | (0.0) | 0 | (0.0) | 0 | (0.0) |
| FOREIGN | 242 | (0.1) | 194 | (0.1) | 179 | (0.1) |
| OTHER CANADIAN | 123 | (0.1) | 97 | (0.0) | 29 | (0.0) |
| TOTAL | 163,710 | (100.0) | 194,334 | (100.0) | 279,843 | (100.0) |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY CABINET COMMITTEE
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|--|---------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| ECONOMIC DEVELOPMENT CABINET COMMITTEE | | | | | | | | | |
| AGR | 134,841 | 9,900 | 143,941 | 143,536 | 9,346 | 152,882 | 161,515 | 8,630 | 170,145 |
| AGR-ADM | --- | 3,625 | 3,625 | --- | 3,819 | 3,819 | --- | 4,312 | 4,312 |
| AGR-DEV | 128,019 | 4,776 | 132,795 | 136,360 | 3,837 | 140,197 | 152,306 | 2,456 | 154,762 |
| AGR-RI | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| AGR-CGC | 1,336 | 1,499 | 2,835 | 1,503 | 1,690 | 3,193 | 1,653 | 1,862 | 3,515 |
| CDC | 67 | 412 | 479 | --- | 600 | 600 | --- | 1,000 | 1,000 |
| CLFB | 62 | 17 | 79 | 96 | 23 | 119 | 110 | 26 | 136 |
| COMM-COMM | 54,974 | 3,652 | 58,626 | 66,325 | 4,588 | 70,913 | 51,951 | 4,834 | 56,785 |
| CCA | 1,822 | 10,366 | 12,188 | 2,067 | 11,917 | 13,984 | 1,893 | 13,157 | 15,050 |
| CCA-ADM | --- | 433 | 433 | --- | 489 | 489 | --- | 649 | 649 |
| CCA-CON | 1,163 | 1,504 | 2,667 | 1,439 | 1,678 | 3,117 | 1,551 | 1,850 | 3,401 |
| CCA-COR | 332 | 8,109 | 8,441 | 272 | 9,527 | 9,799 | --- | 10,238 | 10,238 |
| CCA-CICP | 327 | 320 | 647 | 356 | 223 | 579 | 342 | 420 | 762 |
| ED | --- | 1,600 | 1,600 | --- | 1,806 | 1,806 | --- | 2,199 | 2,199 |
| EMR | 124,897 | 37,783 | 162,680 | 162,342 | 37,852 | 200,194 | 230,587 | 45,160 | 275,747 |
| EMR-ENER | 58,639 | 1,852 | 60,491 | 87,652 | 2,368 | 90,020 | 147,487 | 3,636 | 151,123 |
| EMR-MES | 66,258 | 35,931 | 102,189 | 74,690 | 35,484 | 110,174 | 83,100 | 41,524 | 124,624 |
| AECB | 575 | --- | 575 | 768 | --- | 768 | 851 | --- | 851 |
| AECL | 75,410 | 13,536 | 88,946 | 83,084 | 15,471 | 98,555 | 93,267 | 10,249 | 111,516 |
| NEB | --- | 1,781 | 1,781 | --- | 1,890 | 1,890 | --- | 2,089 | 2,089 |
| ENV-FOR | 36,120 | 3,666 | 39,786 | 45,825 | 4,500 | 50,325 | 53,705 | 4,588 | 58,293 |
| F&O | 55,301 | 57,364 | 112,665 | 57,509 | 58,894 | 116,403 | 64,059 | 55,776 | 119,835 |
| F&O-FM | 55,301 | 57,364 | 112,665 | 57,509 | 58,894 | 116,403 | 64,059 | 55,776 | 119,835 |
| ITC | 82,751 | 710 | 83,461 | 98,877 | 1,037 | 99,914 | 126,008 | 1,044 | 127,052 |
| ITC-TI | 80,712 | 612 | 81,324 | 97,690 | 939 | 98,629 | 125,207 | 936 | 126,143 |
| ITC-TOUR | 247 | 98 | 345 | 247 | 98 | 345 | 271 | 108 | 379 |
| ITC-GO | 1,792 | --- | 1,792 | 940 | --- | 940 | 530 | --- | 530 |
| LAB | 468 | 2,757 | 3,225 | 603 | 3,210 | 3,813 | 662 | 3,529 | 4,191 |
| REE | 790 | 2,227 | 3,017 | 800 | 3,866 | 4,666 | 972 | 7,861 | 8,833 |
| ST | --- | 5,692 | 5,692 | --- | 6,543 | 6,543 | --- | 9,699 | 9,699 |
| NRC | 170,607 | 30,802 | 201,409 | 201,107 | 36,284 | 237,391 | 232,072 | 42,076 | 274,148 |
| NRC-SIR | 170,607 | 17,234 | 187,841 | 201,107 | 20,077 | 221,184 | 232,072 | 22,850 | 254,922 |
| NRC-STI | --- | 13,568 | 13,568 | --- | 16,207 | 16,207 | --- | 19,226 | 19,226 |
| NSERC | 110,300 | 10,748 | 121,048 | 147,028 | 16,176 | 163,204 | 159,908 | 22,108 | 182,016 |
| SC | 1,245 | 1,236 | 2,481 | 1,494 | 1,511 | 3,005 | 1,830 | 1,712 | 3,542 |
| SS | 12,146 | 2,770 | 14,916 | 12,166 | 2,809 | 14,975 | 12,417 | 2,693 | 15,110 |
| SS-SUPP | 12,146 | 2,770 | 14,916 | 12,166 | 2,809 | 14,975 | 12,417 | 2,693 | 15,110 |
| TPT | 13,861 | 13,813 | 27,674 | 16,583 | 12,655 | 29,238 | 19,416 | 10,545 | 29,961 |
| TPT-ADM | 6,998 | 1,186 | 8,184 | 8,093 | 1,318 | 9,411 | 10,411 | 1,263 | 11,674 |
| TPT-MAR | 3,518 | 6,412 | 9,930 | 5,363 | 5,593 | 10,956 | 5,838 | 5,354 | 11,192 |
| TPT-AIR | 3,188 | 2,696 | 5,884 | 3,002 | 5,325 | 8,327 | 3,042 | 3,927 | 6,969 |
| TPT-SUR | 157 | 3,519 | 3,676 | 125 | 419 | 544 | 125 | 1 | 126 |
| CTC | 1,095 | 1,623 | 2,718 | 1,060 | 1,396 | 2,456 | 1,095 | 1,650 | 2,745 |
| TOTAL CC | 876,532 | 212,455 | 1,088,987 | 1,041,270 | 232,374 | 1,273,644 | 1,212,318 | 258,625 | 1,470,943 |
| SOCIAL DEVELOPMENT CABINET COMMITTEE | | | | | | | | | |
| COMM-AC | --- | 582 | 582 | --- | 663 | 663 | --- | 759 | 759 |
| CBC | --- | 3,348 | 3,348 | --- | 3,654 | 3,654 | --- | 3,974 | 3,974 |
| CRTC | 542 | --- | 542 | 776 | --- | 776 | 679 | --- | 679 |
| NFB | 298 | 201 | 499 | 412 | 224 | 636 | 456 | 242 | 698 |
| NLIB | --- | 14,730 | 14,730 | --- | 17,179 | 17,179 | --- | 21,572 | 21,572 |
| NMUS | 2,837 | 47,225 | 50,062 | 2,891 | 50,447 | 53,338 | 5,759 | 50,371 | 56,130 |
| PA | --- | 9,320 | 9,320 | --- | 9,900 | 9,900 | --- | 12,009 | 12,009 |
| SSHRC | 21,293 | 15,288 | 36,581 | 24,857 | 17,784 | 42,641 | 27,033 | 18,568 | 45,601 |
| EI | 1,292 | 7,911 | 9,203 | 1,528 | 8,001 | 9,529 | 1,571 | 8,479 | 10,050 |
| EI-ADM | 1,292 | 7,911 | 9,203 | 1,528 | 8,001 | 9,529 | 1,571 | 8,479 | 10,050 |
| CEIC | --- | 5,800 | 5,800 | --- | 7,758 | 7,758 | --- | 8,371 | 8,371 |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY CABINET COMMITTEE
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|--|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| ENV | 34,463 | 145,831 | 180,294 | 35,968 | 162,803 | 198,771 | 41,444 | 187,052 | 228,496 |
| ENV-ADM | 417 | 1,090 | 1,507 | 399 | 1,441 | 1,840 | 432 | 1,497 | 1,929 |
| ENV-EPS | 4,316 | 2,759 | 7,075 | 5,163 | 2,971 | 8,134 | 5,348 | 2,822 | 8,170 |
| ENV-AES | 11,657 | 91,180 | 102,837 | 12,114 | 105,589 | 117,703 | 13,876 | 120,060 | 133,936 |
| ENV-ECS | 17,650 | 39,759 | 57,409 | 17,826 | 40,656 | 58,482 | 21,277 | 49,311 | 70,588 |
| ENV-PC | 423 | 11,043 | 11,466 | 466 | 12,146 | 12,612 | 511 | 13,362 | 13,873 |
| IAND | 2,857 | 3,159 | 6,016 | 3,149 | 3,357 | 6,506 | 3,176 | 3,854 | 7,030 |
| IAND-IIA | 260 | 1,428 | 1,688 | 267 | 1,438 | 1,705 | 286 | 1,526 | 1,812 |
| IAND-NA | 2,597 | 1,731 | 4,328 | 2,882 | 1,919 | 4,801 | 2,890 | 2,328 | 5,218 |
| JUST | 2,126 | 2,042 | 4,168 | 2,381 | 2,413 | 4,794 | 3,208 | 3,107 | 6,315 |
| JUST-ADM | 2,126 | 713 | 2,839 | 2,381 | 861 | 3,242 | 3,208 | 1,007 | 4,215 |
| JUST-CUIO | --- | 1,329 | 1,329 | --- | 1,552 | 1,552 | --- | 2,100 | 2,100 |
| CHRC | --- | 202 | 202 | --- | 230 | 230 | --- | 255 | 255 |
| LRC | 1,729 | 599 | 2,328 | 1,777 | 845 | 2,622 | 2,166 | 1,136 | 3,302 |
| NHW | 22,244 | 35,756 | 58,000 | 28,347 | 37,888 | 66,235 | 31,040 | 43,035 | 74,075 |
| NHW-ADM | 1,410 | 3,877 | 5,287 | 1,635 | 4,805 | 6,440 | 1,660 | 5,610 | 7,270 |
| NHW-HSS | 12,445 | 4,077 | 16,522 | 13,716 | 4,495 | 18,211 | 13,368 | 4,406 | 17,774 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 8,254 | 27,315 | 35,569 | 11,556 | 28,057 | 39,613 | 14,391 | 32,489 | 46,880 |
| NHW-IS | --- | 487 | 487 | --- | 531 | 531 | --- | 530 | 530 |
| MRC | 67,835 | 2,222 | 70,057 | 79,467 | 2,564 | 82,031 | 85,785 | 2,805 | 88,590 |
| CMHC | 4,430 | 6,552 | 10,982 | 4,280 | 7,621 | 11,901 | 4,708 | 8,750 | 13,458 |
| SECS | 4,995 | 2,790 | 7,785 | 5,831 | 3,362 | 9,193 | 5,899 | 3,532 | 9,431 |
| SECS-OL | 246 | 71 | 317 | 480 | 373 | 853 | 509 | 307 | 816 |
| SECS-ES | --- | 129 | 129 | --- | 155 | 155 | --- | 177 | 177 |
| SECS-TRA | 2,660 | 2,189 | 4,849 | 2,854 | 2,371 | 5,225 | 3,107 | 2,226 | 5,333 |
| SECS-CIT | 2,089 | 401 | 2,490 | 2,497 | 463 | 2,960 | 2,283 | 822 | 3,105 |
| SGEN | 1,771 | 714 | 2,485 | 1,725 | 966 | 2,691 | 1,957 | 795 | 2,752 |
| SGEN-ADM | 1,771 | 714 | 2,485 | 1,725 | 966 | 2,691 | 1,957 | 795 | 2,752 |
| RCMP | 31 | --- | 31 | 130 | --- | 130 | 342 | 50 | 392 |
| TOTAL CC | 168,743 | 304,272 | 473,015 | 193,519 | 337,659 | 531,178 | 215,223 | 378,716 | 593,939 |
| EXTERNAL AFFAIRS AND DEFENCE CABINET COMMITTEE | | | | | | | | | |
| EA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| EA-CIA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| CIDA | 10,960 | 26,485 | 37,445 | 10,080 | 27,037 | 37,117 | 11,245 | 30,291 | 41,536 |
| IDRC | 30,511 | 5,968 | 36,479 | 31,426 | 7,608 | 39,034 | 36,751 | 8,699 | 45,450 |
| NDEF | 85,374 | 1,761 | 87,135 | 96,591 | 1,901 | 98,492 | 108,146 | 2,087 | 110,233 |
| NDEF-SER | 85,374 | 1,761 | 87,135 | 96,591 | 1,901 | 98,492 | 108,146 | 2,087 | 110,233 |
| TOTAL CC | 126,845 | 39,242 | 166,087 | 138,097 | 42,058 | 180,155 | 156,142 | 47,253 | 203,395 |
| SERVICE TO GOVERNMENT CABINET COMMITTEE | | | | | | | | | |
| FIN | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FIN-FEP | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| NREV | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| NREV-TAX | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| PO | 243 | 389 | 632 | 258 | 300 | 558 | 573 | 574 | 1,147 |
| PC | 1,796 | 6 | 1,802 | 549 | --- | 549 | 549 | --- | 549 |
| COL | --- | 859 | 859 | --- | 975 | 975 | --- | 1,172 | 1,172 |
| ECC | 7,325 | 1,516 | 8,841 | 7,019 | 1,011 | 8,030 | 6,440 | 952 | 7,392 |
| PW | 3,551 | 2,196 | 5,747 | 4,260 | 4,050 | 8,310 | 1,408 | 6,249 | 7,657 |
| PW-PTS | 3,551 | 2,196 | 5,747 | 4,260 | 4,050 | 8,310 | 1,408 | 6,249 | 7,657 |
| NCC | 638 | 495 | 1,133 | 661 | 430 | 1,091 | 1,331 | 582 | 1,913 |
| PSC | 212 | --- | 212 | --- | --- | --- | --- | --- | --- |
| STCAN | 3,499 | 118,657 | 122,156 | 4,284 | 143,987 | 148,271 | 6,463 | 223,490 | 229,953 |
| TB | 113 | 9,933 | 10,046 | 113 | 11,673 | 11,786 | 113 | 12,814 | 12,927 |
| TB-ADM | 113 | 9,933 | 10,046 | 113 | 11,673 | 11,786 | 113 | 12,814 | 12,927 |
| TOTAL CC | 18,866 | 144,844 | 163,710 | 18,580 | 175,754 | 194,334 | 18,461 | 261,382 | 279,843 |
| TOTAL | 1,190,986 | 700,813 | 1,891,799 | 1,391,466 | 787,845 | 2,179,311 | 1,602,144 | 945,976 | 2,548,120 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

TABLE 63

NATURAL SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY CABINET COMMITTEE
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|--|---------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| ECONOMIC DEVELOPMENT CABINET COMMITTEE | | | | | | | | | |
| AGR | 133,991 | 8,409 | 142,400 | 143,486 | 7,539 | 151,025 | 161,465 | 6,409 | 167,874 |
| AGR-ADM | --- | 3,134 | 3,134 | --- | 3,212 | 3,212 | --- | 3,729 | 3,729 |
| AGR-DEV | 127,969 | 3,776 | 131,745 | 136,310 | 2,637 | 138,947 | 152,256 | 818 | 153,074 |
| AGR-RI | 4,686 | --- | 4,686 | 5,673 | --- | 5,673 | 7,556 | --- | 7,556 |
| AGR-CGC | 1,336 | 1,499 | 2,835 | 1,503 | 1,690 | 3,193 | 1,653 | 1,862 | 3,515 |
| CDC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CLFB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COMM-COMM | 53,483 | 6 | 53,489 | 65,573 | 29 | 65,602 | 50,477 | 34 | 50,511 |
| CCA | --- | 9,613 | 9,613 | --- | 11,205 | 11,205 | --- | 12,088 | 12,088 |
| CCA-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CCA-CON | --- | 1,504 | 1,504 | --- | 1,678 | 1,678 | --- | 1,850 | 1,850 |
| CCA-COR | --- | 8,109 | 8,109 | --- | 9,527 | 9,527 | --- | 10,238 | 10,238 |
| CCA-CICP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ED | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EMR | 123,028 | 34,078 | 157,106 | 160,696 | 34,756 | 195,452 | 229,163 | 41,772 | 270,935 |
| EMR-ENER | 58,639 | 387 | 59,026 | 87,652 | 468 | 88,120 | 147,487 | 1,566 | 149,053 |
| EMR-MES | 64,389 | 33,691 | 98,080 | 73,044 | 34,288 | 107,332 | 81,676 | 40,206 | 121,882 |
| AEGB | 575 | --- | 575 | 768 | --- | 768 | 851 | --- | 851 |
| AECL | 75,410 | 13,536 | 88,946 | 83,084 | 15,471 | 98,555 | 93,267 | 18,249 | 111,516 |
| NEB | --- | 1,336 | 1,336 | --- | 1,425 | 1,425 | --- | 1,571 | 1,571 |
| ENV-FOR | 36,120 | 3,666 | 39,786 | 45,825 | 4,500 | 50,325 | 53,705 | 4,588 | 58,293 |
| F&O | 54,511 | 54,804 | 109,315 | 56,684 | 56,219 | 112,903 | 63,205 | 53,200 | 116,405 |
| F&O-FM | 54,511 | 54,804 | 109,315 | 56,684 | 56,219 | 112,903 | 63,205 | 53,200 | 116,405 |
| ITC | 81,701 | 483 | 82,184 | 97,158 | 650 | 97,808 | 123,077 | 650 | 123,727 |
| ITC-TI | 79,909 | 483 | 80,392 | 96,218 | 650 | 96,868 | 122,547 | 650 | 123,197 |
| ITC-TOUR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ITC-GO | 1,792 | --- | 1,792 | 940 | --- | 940 | 530 | --- | 530 |
| LOB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REE | --- | 1,589 | 1,589 | --- | 3,021 | 3,021 | --- | 6,427 | 6,427 |
| ST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC | 170,607 | 30,802 | 201,409 | 201,107 | 36,284 | 237,391 | 232,072 | 42,076 | 274,148 |
| NRC-SIR | 170,607 | 17,234 | 187,841 | 201,107 | 20,077 | 221,184 | 232,072 | 22,850 | 254,922 |
| NRC-STI | --- | 13,568 | 13,568 | --- | 16,207 | 16,207 | --- | 19,226 | 19,226 |
| NSERC | 110,300 | 10,748 | 121,048 | 147,028 | 16,176 | 163,204 | 159,908 | 22,108 | 182,016 |
| SC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SS | 11,823 | 2,230 | 14,053 | 11,825 | 2,252 | 14,077 | 12,072 | 2,131 | 14,203 |
| SS-SUPP | 11,823 | 2,230 | 14,053 | 11,825 | 2,252 | 14,077 | 12,072 | 2,131 | 14,203 |
| TPT | 13,645 | 13,488 | 27,133 | 16,413 | 11,415 | 27,828 | 19,246 | 9,325 | 28,571 |
| TPT-ADM | 6,908 | 1,066 | 7,974 | 7,993 | 1,183 | 9,176 | 10,311 | 1,128 | 11,439 |
| TPT-MAR | 3,518 | 6,412 | 9,930 | 5,363 | 5,593 | 10,956 | 5,838 | 5,354 | 11,192 |
| TPT-AIR | 3,164 | 2,491 | 5,655 | 3,002 | 4,220 | 7,222 | 3,042 | 2,842 | 5,884 |
| TPT-SUR | 55 | 3,519 | 3,574 | 55 | 419 | 474 | 55 | 1 | 56 |
| CTC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL CC | 865,194 | 184,788 | 1,049,982 | 1,029,647 | 200,942 | 1,230,589 | 1,198,508 | 220,628 | 1,419,136 |
| SOCIAL DEVELOPMENT CABINET COMMITTEE | | | | | | | | | |
| COMM-AC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CBC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CRIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NFB | 298 | 201 | 499 | 412 | 224 | 636 | 456 | 242 | 698 |
| NLIB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NMUS | 1,251 | 16,828 | 18,079 | 1,082 | 20,011 | 21,093 | 2,173 | 18,659 | 20,832 |
| PA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EI-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CEIC | --- | --- | --- | --- | --- | --- | --- | --- | --- |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY CABINET COMMITTEE
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|--|-----------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| ENV | 33,653 | 132,244 | 165,897 | 35,147 | 148,077 | 183,224 | 40,468 | 170,452 | 210,920 |
| ENV-ADM | 417 | 898 | 1,315 | 399 | 1,180 | 1,579 | 432 | 1,189 | 1,621 |
| ENV-EPS | 4,316 | 2,759 | 7,075 | 5,163 | 2,971 | 8,134 | 5,348 | 2,822 | 8,170 |
| ENV-AES | 11,657 | 91,180 | 102,837 | 12,114 | 105,589 | 117,703 | 13,876 | 120,060 | 133,936 |
| ENV-ECS | 16,946 | 36,299 | 53,245 | 17,122 | 37,120 | 54,242 | 20,430 | 45,040 | 65,470 |
| ENV-PC | 317 | 1,108 | 1,425 | 349 | 1,217 | 1,566 | 382 | 1,341 | 1,723 |
| IAND | 1,734 | 613 | 2,347 | 1,895 | 692 | 2,587 | 1,857 | 783 | 2,640 |
| IAND-IIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| IAND-NA | 1,734 | 613 | 2,347 | 1,895 | 692 | 2,587 | 1,857 | 783 | 2,640 |
| JUST | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| JUST-CUIO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CHRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW | 13,565 | 29,043 | 42,608 | 19,555 | 30,233 | 49,788 | 21,720 | 34,672 | 56,392 |
| NHW-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HSS | 5,176 | 1,728 | 6,904 | 6,559 | 2,176 | 8,735 | 5,708 | 2,183 | 7,891 |
| NHW-MS | 135 | --- | 135 | 1,440 | --- | 1,440 | 1,621 | --- | 1,621 |
| NHW-HP | 8,254 | 27,315 | 35,569 | 11,556 | 28,057 | 39,613 | 14,391 | 32,489 | 46,880 |
| NHW-IS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MRC | 67,835 | 2,222 | 70,057 | 79,467 | 2,564 | 82,031 | 85,785 | 2,805 | 88,590 |
| CMHC | 2,116 | 879 | 2,995 | 2,068 | 1,701 | 3,769 | 2,275 | 1,871 | 4,146 |
| SECS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-OL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-ES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-TRA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SECS-CIT | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SGEN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SGEN-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RCMF | 31 | --- | 31 | 130 | --- | 130 | 342 | 50 | 392 |
| TOTAL CC | 120,483 | 182,030 | 302,513 | 139,756 | 203,502 | 343,258 | 155,076 | 229,534 | 384,610 |
| EXTERNAL AFFAIRS AND DEFENCE CABINET COMMITTEE | | | | | | | | | |
| EA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EA-CIA | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CIDA | 8,500 | 23,687 | 32,187 | 8,595 | 24,158 | 32,753 | 9,620 | 27,043 | 36,663 |
| IDRC | 17,822 | 775 | 18,597 | 19,590 | 1,223 | 20,813 | 23,037 | 1,370 | 24,407 |
| NDEF | 84,758 | 750 | 85,508 | 95,916 | 780 | 96,696 | 107,415 | 834 | 108,249 |
| NDEF-SER | 84,758 | 750 | 85,508 | 95,916 | 780 | 96,696 | 107,415 | 834 | 108,249 |
| TOTAL CC | 111,080 | 25,212 | 136,292 | 124,101 | 26,161 | 150,262 | 140,072 | 29,247 | 169,319 |
| SERVICE TO GOVERNMENT CABINET COMMITTEE | | | | | | | | | |
| FIN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FIN-FEP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NREV | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NREV-TAX | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COL | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ECC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PW | 3,551 | 2,196 | 5,747 | 4,260 | 4,050 | 8,310 | 1,408 | 6,249 | 7,657 |
| PW-PTS | 3,551 | 2,196 | 5,747 | 4,260 | 4,050 | 8,310 | 1,408 | 6,249 | 7,657 |
| NCC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PSC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STCAN | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TB-ADM | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL CC | 3,551 | 2,196 | 5,747 | 4,260 | 4,050 | 8,310 | 1,408 | 6,249 | 7,657 |
| TOTAL | 1,100,308 | 394,226 | 1,494,534 | 1,297,764 | 434,655 | 1,732,419 | 1,495,064 | 485,658 | 1,980,722 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

ECONOMIC DEVELOPMENT CABINET COMMITTEE
FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY, 1979-82
(FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------------|-----------|------------------------------|-------------------------------|-----------|-----------------------|-------------|----------|--------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 42 | 4,543 | 294 | 3,993 | 1,286 | 2,336 | 0 | 12,494 |
| INTRAMURAL RSA | 16 | 778 | 219 | 1,149 | 694 | 386 | 0 | 3,243 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 7 | 142 | 249 | 18 | 175 | 26 | 0 | 616 |
| TOTAL | 65 | 5,462 | 763 | 5,159 | 2,155 | 2,748 | 0 | 16,353 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 45 | 4,578 | 296 | 4,022 | 1,251 | 2,333 | 0 | 12,524 |
| INTRAMURAL RSA | 19 | 776 | 218 | 1,166 | 675 | 377 | 0 | 3,231 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 7 | 144 | 303 | 17 | 213 | 26 | 0 | 709 |
| TOTAL | 70 | 5,498 | 817 | 5,205 | 2,139 | 2,736 | 0 | 16,465 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 46 | 4,702 | 299 | 4,008 | 1,265 | 2,355 | 0 | 12,675 |
| INTRAMURAL RSA | 18 | 776 | 238 | 1,129 | 691 | 436 | 0 | 3,288 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 8 | 141 | 305 | 19 | 218 | 26 | 0 | 718 |
| TOTAL | 72 | 5,619 | 841 | 5,156 | 2,174 | 2,817 | 0 | 16,680 |

SOCIAL DEVELOPMENT CABINET COMMITTEE
FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY, 1979-82

(FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------|-----------|---------------------------|----------------------------|-----------|--------------------|-------------|----------|-------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 5 | 517 | 165 | 187 | 120 | 57 | 0 | 1,051 |
| INTRAMURAL RSA | 19 | 1,131 | 259 | 1,632 | 776 | 193 | 0 | 4,010 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 7 | 23 | 20 | 2 | 39 | 0 | 0 | 90 |
| TOTAL | 31 | 1,672 | 444 | 1,820 | 935 | 250 | 0 | 5,151 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 5 | 533 | 165 | 189 | 125 | 57 | 0 | 1,074 |
| INTRAMURAL RSA | 19 | 1,211 | 259 | 1,705 | 773 | 192 | 0 | 4,158 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 6 | 21 | 23 | 2 | 37 | 0 | 0 | 88 |
| TOTAL | 30 | 1,765 | 447 | 1,895 | 935 | 249 | 0 | 5,321 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 9 | 554 | 158 | 192 | 125 | 57 | 0 | 1,095 |
| INTRAMURAL RSA | 28 | 1,212 | 259 | 1,725 | 769 | 184 | 0 | 4,176 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 6 | 21 | 23 | 2 | 37 | 0 | 0 | 88 |
| TOTAL | 42 | 1,787 | 440 | 1,918 | 931 | 241 | 0 | 5,359 |

EXTERNAL AFFAIRS AND DEFENCE CABINET COMMITTEE
 FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
 BY CATEGORY, BY ACTIVITY, 1979-82
 (FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------------|-----------|------------------------------|-------------------------------|-----------|-----------------------|-------------|----------|-------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 12 | 503 | 94 | 495 | 232 | 271 | 154 | 1,760 |
| INTRAMURAL RSA | 0 | 7 | 3 | 0 | 23 | 0 | 0 | 33 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 2 | 46 | 14 | 8 | 34 | 0 | 10 | 114 |
| TOTAL | 14 | 556 | 110 | 503 | 289 | 271 | 164 | 1,906 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 12 | 538 | 94 | 497 | 231 | 268 | 158 | 1,797 |
| INTRAMURAL RSA | 0 | 8 | 3 | 0 | 23 | 0 | 0 | 34 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 2 | 46 | 15 | 7 | 36 | 0 | 10 | 116 |
| TOTAL | 14 | 592 | 112 | 504 | 290 | 268 | 168 | 1,947 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 12 | 538 | 94 | 497 | 232 | 267 | 159 | 1,798 |
| INTRAMURAL RSA | 0 | 8 | 3 | 0 | 23 | 0 | 0 | 34 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 3 | 52 | 14 | 7 | 38 | 0 | 10 | 124 |
| TOTAL | 15 | 598 | 111 | 504 | 293 | 267 | 169 | 1,955 |

SERVICE TO GOVERNMENT CABINET COMMITTEE
 FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
 BY CATEGORY, BY ACTIVITY, 1979-82
 (FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------------|-----------|------------------------------|-------------------------------|-----------|-----------------------|-------------|----------|-------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 7 |
| INTRAMURAL RSA | 0 | 27 | 7 | 4 | 1 | 0 | 0 | 39 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 0 | 8 | 0 | 4 | 0 | 0 | 0 | 12 |
| TOTAL | 0 | 41 | 7 | 9 | 1 | 0 | 0 | 58 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 7 |
| INTRAMURAL RSA | 0 | 31 | 7 | 6 | 1 | 0 | 0 | 45 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 0 | 8 | 0 | 3 | 0 | 0 | 0 | 11 |
| TOTAL | 0 | 45 | 7 | 9 | 1 | 0 | 0 | 63 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| INTRAMURAL RSA | 0 | 29 | 9 | 6 | 2 | 0 | 0 | 47 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 0 | 9 | 0 | 3 | 0 | 0 | 0 | 12 |
| TOTAL | 0 | 42 | 9 | 9 | 2 | 0 | 0 | 63 |

TABLE 65

HUMAN SCIENCES

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY CABINET COMMITTEE
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|--|---------|--------|--------|---------|--------|--------|---------|--------|--------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| ECONOMIC DEVELOPMENT CABINET COMMITTEE | | | | | | | | | |
| AGR | 50 | 1,491 | 1,541 | 50 | 1,807 | 1,857 | 50 | 2,221 | 2,271 |
| AGR-ADM | --- | 491 | 491 | --- | 607 | 607 | --- | 583 | 583 |
| AGR-DEV | 50 | 1,000 | 1,050 | 50 | 1,200 | 1,250 | 50 | 1,638 | 1,688 |
| AGR-RI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AGR-CGC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CDC | 67 | 412 | 479 | --- | 600 | 600 | --- | 1,000 | 1,000 |
| CLFB | 62 | 17 | 79 | 96 | 23 | 119 | 110 | 26 | 136 |
| COMM-COMM | 1,491 | 3,646 | 5,137 | 752 | 4,559 | 5,311 | 1,474 | 4,800 | 6,274 |
| CCA | 1,822 | 753 | 2,575 | 2,067 | 712 | 2,779 | 1,893 | 1,069 | 2,962 |
| CCA-ADM | --- | 433 | 433 | --- | 489 | 489 | --- | 649 | 649 |
| CCA-CON | 1,163 | --- | 1,163 | 1,439 | --- | 1,439 | 1,551 | --- | 1,551 |
| CCA-COR | 332 | --- | 332 | 272 | --- | 272 | --- | --- | --- |
| CCA-CICP | 327 | 320 | 647 | 356 | 223 | 579 | 342 | 420 | 762 |
| ED | --- | 1,600 | 1,600 | --- | 1,806 | 1,806 | --- | 2,199 | 2,199 |
| EMR | 1,869 | 3,705 | 5,574 | 1,646 | 3,096 | 4,742 | 1,424 | 3,388 | 4,812 |
| EMR-ENER | --- | 1,465 | 1,465 | --- | 1,900 | 1,900 | --- | 2,070 | 2,070 |
| EMR-MES | 1,869 | 2,240 | 4,109 | 1,646 | 1,196 | 2,842 | 1,424 | 1,318 | 2,742 |
| AECB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AECI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NEB | --- | 445 | 445 | --- | 465 | 465 | --- | 518 | 518 |
| ENV-FOR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| F&O | 790 | 2,560 | 3,350 | 825 | 2,675 | 3,500 | 854 | 2,576 | 3,430 |
| F&O-FM | 790 | 2,560 | 3,350 | 825 | 2,675 | 3,500 | 854 | 2,576 | 3,430 |
| ITC | 1,050 | 227 | 1,277 | 1,719 | 387 | 2,106 | 2,931 | 394 | 3,325 |
| ITC-TI | 803 | 129 | 932 | 1,472 | 289 | 1,761 | 2,660 | 286 | 2,946 |
| ITC-TOUR | 247 | 98 | 345 | 247 | 98 | 345 | 271 | 108 | 379 |
| ITC-GO | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LAB | 468 | 2,757 | 3,225 | 603 | 3,210 | 3,813 | 662 | 3,529 | 4,191 |
| REE | 790 | 638 | 1,428 | 800 | 845 | 1,645 | 972 | 1,434 | 2,406 |
| ST | --- | 5,692 | 5,692 | --- | 6,543 | 6,543 | --- | 9,699 | 9,699 |
| NRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-SIR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NRC-STI | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NSERC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SC | 1,245 | 1,236 | 2,481 | 1,494 | 1,511 | 3,005 | 1,830 | 1,712 | 3,542 |
| SS | 323 | 540 | 863 | 341 | 557 | 898 | 345 | 562 | 907 |
| SS-SUPP | 323 | 540 | 863 | 341 | 557 | 898 | 345 | 562 | 907 |
| TPT | 216 | 325 | 541 | 170 | 1,240 | 1,410 | 170 | 1,220 | 1,390 |
| TPT-ADM | 90 | 120 | 210 | 100 | 135 | 235 | 100 | 135 | 235 |
| TPT-MAR | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TPT-AIR | 24 | 205 | 229 | --- | 1,105 | 1,105 | --- | 1,085 | 1,085 |
| TPT-SUR | 102 | --- | 102 | 70 | --- | 70 | 70 | --- | 70 |
| CTC | 1,095 | 1,623 | 2,718 | 1,060 | 1,396 | 2,456 | 1,095 | 1,650 | 2,745 |
| TOTAL CC | 11,338 | 27,667 | 39,005 | 11,623 | 31,432 | 43,055 | 13,810 | 37,997 | 51,807 |
| SOCIAL DEVELOPMENT CABINET COMMITTEE | | | | | | | | | |
| COMM-AC | --- | 582 | 582 | --- | 663 | 663 | --- | 759 | 759 |
| CBC | --- | 3,348 | 3,348 | --- | 3,654 | 3,654 | --- | 3,974 | 3,974 |
| CRTC | 542 | --- | 542 | 776 | --- | 776 | 679 | --- | 679 |
| NFB | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NLIB | --- | 14,730 | 14,730 | --- | 17,179 | 17,179 | --- | 21,572 | 21,572 |
| NMUS | 1,586 | 30,397 | 31,983 | 1,809 | 30,436 | 32,245 | 3,586 | 31,712 | 35,298 |
| PA | --- | 9,320 | 9,320 | --- | 9,900 | 9,900 | --- | 12,009 | 12,009 |
| SSHRC | 21,293 | 15,288 | 36,581 | 24,857 | 17,784 | 42,641 | 27,033 | 18,568 | 45,601 |
| EI | 1,292 | 7,911 | 9,203 | 1,528 | 8,001 | 9,529 | 1,571 | 8,479 | 10,050 |
| EI-ADM | 1,292 | 7,911 | 9,203 | 1,528 | 8,001 | 9,529 | 1,571 | 8,479 | 10,050 |
| CEIC | --- | 5,800 | 5,800 | --- | 7,758 | 7,758 | --- | 8,371 | 8,371 |

FEDERAL EXPENDITURES ON SCIENTIFIC ACTIVITIES
BY DEPARTMENT OR AGENCY, BY CABINET COMMITTEE
(\$ THOUSANDS)

| DEPARTMENT OR AGENCY | 1979-80 | | | 1980-81 | | | 1981-82 | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | R&D | RSA | TOTAL | R&D | RSA | TOTAL | R&D | RSA | TOTAL |
| ENV | 810 | 13,587 | 14,397 | 821 | 14,726 | 15,547 | 976 | 16,600 | 17,576 |
| ENV-ADM | --- | 192 | 192 | --- | 261 | 261 | --- | 308 | 308 |
| ENV-EPS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-AES | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ENV-ECS | 704 | 3,460 | 4,164 | 704 | 3,536 | 4,240 | 847 | 4,271 | 5,118 |
| ENV-PC | 106 | 9,935 | 10,041 | 117 | 10,929 | 11,046 | 129 | 12,021 | 12,150 |
| IAND | 1,123 | 2,546 | 3,669 | 1,254 | 2,665 | 3,919 | 1,319 | 3,071 | 4,390 |
| IAND-IIA | 260 | 1,428 | 1,688 | 267 | 1,438 | 1,705 | 286 | 1,526 | 1,812 |
| IAND-NA | 863 | 1,118 | 1,981 | 987 | 1,227 | 2,214 | 1,033 | 1,545 | 2,578 |
| JUST | 2,126 | 2,042 | 4,168 | 2,381 | 2,413 | 4,794 | 3,208 | 3,107 | 6,315 |
| JUST-ADM | 2,126 | 713 | 2,839 | 2,381 | 861 | 3,242 | 3,208 | 1,007 | 4,215 |
| JUST-CUIO | --- | 1,329 | 1,329 | --- | 1,552 | 1,552 | --- | 2,100 | 2,100 |
| CHRC | --- | 202 | 202 | --- | 230 | 230 | --- | 255 | 255 |
| LRC | 1,729 | 599 | 2,328 | 1,777 | 845 | 2,622 | 2,166 | 1,136 | 3,302 |
| NHW | 8,679 | 6,713 | 15,392 | 8,792 | 7,655 | 16,447 | 9,320 | 8,363 | 17,683 |
| NHW-ADM | 1,410 | 3,877 | 5,287 | 1,635 | 4,805 | 6,440 | 1,660 | 5,610 | 7,270 |
| NHW-HSS | 7,269 | 2,349 | 9,618 | 7,157 | 2,319 | 9,476 | 7,660 | 2,223 | 9,883 |
| NHW-MS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-HP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NHW-IS | --- | 487 | 487 | --- | 531 | 531 | --- | 530 | 530 |
| MRC | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CMHC | 2,314 | 5,673 | 7,987 | 2,212 | 5,920 | 8,132 | 2,433 | 6,879 | 9,312 |
| SECS | 4,995 | 2,790 | 7,785 | 5,831 | 3,362 | 9,193 | 5,899 | 3,532 | 9,431 |
| SECS-OL | 246 | 71 | 317 | 480 | 373 | 853 | 509 | 307 | 816 |
| SECS-ES | --- | 129 | 129 | --- | 155 | 155 | --- | 177 | 177 |
| SECS-TRA | 2,660 | 2,189 | 4,849 | 2,854 | 2,371 | 5,225 | 3,107 | 2,226 | 5,333 |
| SECS-CIT | 2,089 | 401 | 2,490 | 2,497 | 463 | 2,960 | 2,283 | 822 | 3,105 |
| SGEN | 1,771 | 714 | 2,485 | 1,725 | 966 | 2,691 | 1,957 | 795 | 2,752 |
| SGEN-ADM | 1,771 | 714 | 2,485 | 1,725 | 966 | 2,691 | 1,957 | 795 | 2,752 |
| RCMP | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL CC | 48,260 | 122,242 | 170,502 | 53,763 | 134,157 | 187,920 | 60,147 | 149,182 | 209,329 |
| EXTERNAL AFFAIRS AND DEFENCE CABINET COMMITTEE | | | | | | | | | |
| EA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| EA-CIA | --- | 5,028 | 5,028 | --- | 5,512 | 5,512 | --- | 6,176 | 6,176 |
| CIDA | 2,460 | 2,798 | 5,258 | 1,485 | 2,879 | 4,364 | 1,625 | 3,248 | 4,873 |
| IDRC | 12,689 | 5,193 | 17,882 | 11,836 | 6,385 | 18,221 | 13,714 | 7,329 | 21,043 |
| NDEF | 616 | 1,011 | 1,627 | 675 | 1,121 | 1,796 | 731 | 1,253 | 1,984 |
| NDEF-SER | 616 | 1,011 | 1,627 | 675 | 1,121 | 1,796 | 731 | 1,253 | 1,984 |
| TOTAL CC | 15,765 | 14,030 | 29,795 | 13,996 | 15,897 | 29,893 | 16,070 | 18,006 | 34,076 |
| SERVICE TO GOVERNMENT CABINET COMMITTEE | | | | | | | | | |
| FIN | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| FIN-FEP | --- | 8,114 | 8,114 | --- | 9,507 | 9,507 | --- | 11,001 | 11,001 |
| NREV | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| NREV-TAX | 1,489 | 2,679 | 4,168 | 1,436 | 3,821 | 5,257 | 1,584 | 4,548 | 6,132 |
| PO | 243 | 389 | 632 | 258 | 300 | 558 | 573 | 574 | 1,147 |
| PC | 1,796 | 6 | 1,802 | 549 | --- | 549 | 549 | --- | 549 |
| COL | --- | 859 | 859 | --- | 975 | 975 | --- | 1,172 | 1,172 |
| ECC | 7,325 | 1,516 | 8,841 | 7,019 | 1,011 | 8,030 | 6,440 | 952 | 7,392 |
| PW | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PW-PTS | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NCC | 638 | 495 | 1,133 | 661 | 430 | 1,091 | 1,331 | 582 | 1,913 |
| PSC | 212 | --- | 212 | --- | --- | --- | --- | --- | --- |
| STCAN | 3,499 | 118,657 | 122,156 | 4,284 | 143,987 | 148,271 | 6,463 | 223,490 | 229,953 |
| TB | 113 | 9,933 | 10,046 | 113 | 11,673 | 11,786 | 113 | 12,814 | 12,927 |
| TB-ADM | 113 | 9,933 | 10,046 | 113 | 11,673 | 11,786 | 113 | 12,814 | 12,927 |
| TOTAL CC | 15,315 | 142,648 | 157,963 | 14,320 | 171,704 | 186,024 | 17,053 | 255,133 | 272,186 |
| TOTAL | 90,678 | 306,587 | 397,265 | 93,702 | 353,190 | 446,892 | 107,000 | 460,318 | 567,398 |

** INTRAMURAL EXPENDITURES DO NOT INCLUDE NON-PROGRAM COSTS

ECONOMIC DEVELOPMENT CABINET COMMITTEE
FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY, 1979-82
(FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------------|-----------|------------------------------|-------------------------------|-----------|-----------------------|-------------|----------|-------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 5 | 77 | 12 | 22 | 26 | 1 | 0 | 142 |
| INTRAMURAL RSA | 51 | 264 | 169 | 69 | 283 | 2 | 0 | 758 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 0 | 11 | 0 | 0 | 1 | 0 | 0 | 13 |
| TOTAL | 57 | 351 | 181 | 91 | 230 | 3 | 0 | 913 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 6 | 76 | 19 | 17 | 27 | 1 | 0 | 146 |
| INTRAMURAL RSA | 55 | 276 | 166 | 77 | 209 | 2 | 0 | 785 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 0 | 11 | 0 | 0 | 1 | 0 | 0 | 12 |
| TOTAL | 61 | 363 | 186 | 94 | 237 | 3 | 0 | 943 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 8 | 122 | 18 | 18 | 28 | 1 | 0 | 194 |
| INTRAMURAL RSA | 58 | 243 | 167 | 76 | 216 | 2 | 0 | 762 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 8 |
| TOTAL | 66 | 371 | 186 | 94 | 244 | 3 | 0 | 964 |

SOCIAL DEVELOPMENT CABINET COMMITTEE
FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY, 1979-82
(FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------------|-----------|------------------------------|-------------------------------|-----------|-----------------------|-------------|----------|-------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 11 | 137 | 96 | 33 | 88 | 2 | 0 | 367 |
| INTRAMURAL RSA | 27 | 669 | 298 | 489 | 676 | 172 | 0 | 2,331 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 6 | 47 | 67 | 6 | 80 | 0 | 0 | 205 |
| TOTAL | 44 | 853 | 461 | 528 | 844 | 174 | 0 | 2,903 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 11 | 134 | 96 | 34 | 88 | 3 | 0 | 367 |
| INTRAMURAL RSA | 24 | 680 | 290 | 491 | 660 | 166 | 0 | 2,311 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 7 | 49 | 68 | 8 | 76 | 0 | 0 | 208 |
| TOTAL | 42 | 863 | 454 | 533 | 824 | 169 | 0 | 2,885 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 14 | 139 | 96 | 34 | 86 | 3 | 0 | 371 |
| INTRAMURAL RSA | 25 | 693 | 275 | 480 | 676 | 150 | 0 | 2,299 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 7 | 49 | 68 | 8 | 76 | 0 | 0 | 208 |
| TOTAL | 46 | 881 | 439 | 522 | 838 | 153 | 0 | 2,879 |

EXTERNAL AFFAIRS AND DEFENCE CABINET COMMITTEE
 FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
 BY CATEGORY, BY ACTIVITY, 1979-82
 (FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------|-----------|---------------------------|----------------------------|-----------|--------------------|-------------|----------|-------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 0 | 0 | 1 | 0 | 8 | 0 | 18 | 27 |
| INTRAMURAL RSA | 0 | 31 | 66 | 42 | 73 | 0 | 11 | 223 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 6 | 34 | 36 | 8 | 38 | 0 | 0 | 122 |
| TOTAL | 6 | 65 | 102 | 50 | 119 | 0 | 29 | 371 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 0 | 0 | 1 | 0 | 8 | 0 | 19 | 28 |
| INTRAMURAL RSA | 0 | 35 | 73 | 52 | 74 | 0 | 11 | 244 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 6 | 34 | 35 | 5 | 36 | 0 | 0 | 115 |
| TOTAL | 6 | 69 | 109 | 57 | 117 | 0 | 30 | 387 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 0 | 0 | 1 | 0 | 8 | 0 | 19 | 28 |
| INTRAMURAL RSA | 0 | 33 | 71 | 52 | 74 | 0 | 11 | 240 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 6 | 38 | 36 | 4 | 40 | 0 | 0 | 123 |
| TOTAL | 6 | 71 | 108 | 56 | 122 | 0 | 30 | 391 |

SERVICE TO GOVERNMENT CABINET COMMITTEE
FEDERAL PERSONNEL ENGAGED IN SCIENTIFIC ACTIVITIES
BY CATEGORY, BY ACTIVITY, 1979-82

(FULL-TIME EQUIVALENT PERSON-YEARS)

| ACTIVITY | EXECUTIVE | SCIENTIFIC & PROFESSIONAL | ADMINISTR. & FOREIGN SERV. | TECHNICAL | ADMINISTR. SUPPORT | OPERATIONAL | MILITARY | TOTAL |
|-------------------------------------|-----------|------------------------------|-------------------------------|-----------|-----------------------|-------------|----------|-------|
| 1979-80 | | | | | | | | |
| INTRAMURAL R&D | 6 | 178 | 49 | 54 | 95 | 3 | 0 | 385 |
| INTRAMURAL RSA | 61 | 875 | 907 | 731 | 2,468 | 42 | 0 | 5,083 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 |
| TOTAL | 67 | 1,054 | 956 | 785 | 2,564 | 45 | 0 | 5,470 |
| 1980-81 | | | | | | | | |
| INTRAMURAL R&D | 5 | 141 | 37 | 50 | 76 | 2 | 0 | 311 |
| INTRAMURAL RSA | 71 | 878 | 1,083 | 724 | 2,464 | 62 | 0 | 5,202 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 |
| TOTAL | 76 | 1,019 | 1,040 | 774 | 2,541 | 64 | 0 | 5,514 |
| 1981-82 | | | | | | | | |
| INTRAMURAL R&D | 5 | 144 | 42 | 58 | 63 | 2 | 0 | 314 |
| INTRAMURAL RSA | 71 | 912 | 1,083 | 768 | 3,176 | 85 | 0 | 6,095 |
| ADMIN. OF EXTRAMURAL PROGRAMS | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 |
| TOTAL | 76 | 1,056 | 1,125 | 826 | 3,240 | 87 | 0 | 6,410 |

I SCOPE AND LIMITATIONS OF DATA

The figures reported in this document are federal budgetary expenditures on scientific activities as reported by departments and agencies in surveys at the time submissions are made for Main Estimates. While it is known that there are other indirect or "non-program" costs incurred in the conduct of these activities they are not normally part of the specific departmental program to which the science expenditures refer. These "non-program" costs may be services provided by other departments, accommodation costs, or the portion of overall administration program costs that are attributable to scientific activities.

Depending on the purposes of one's analysis, these non-program costs can be included or not. Especially in the areas of budgetary analysis it may be preferable to deal with direct program expenditures only. This is necessary to provide a consistent base for the comparison of expenditures in scientific and technological (S&T) activities with other types of expenditures in the federal sector. The application of non-program costs from administration programs for example, if done for S&T activities, would necessitate parallel adjustments to the other areas as reported in the budgetary process. For the purpose of these sorts of analysis this publication presents expenditures that do not include non-program costs.

If one's purpose is to determine the magnitude of federal S&T activities and relate this information to that of other sectors or other countries, then it is preferable to include non-program costs. In this context the sum of direct expenditures plus non-program costs represents the "total" cost of the federal scientific and technological effort. With appropriate caution, this figure may be compared to the total spent in industry where all costs direct and indirect may be reported. For just such analyses, among others, Statistics Canada publishes, The Annual Review of Science Statistics (Cat. No. 13-212), and reports in various numbers of the Service Bulletin (Cat. No. 13-003). The intramural expenditures reported in these will thus be greater than in this publication by the amount of non-program costs. The extramural expenditures are not affected and will be the same in both sets of publications. The total figure for intramural plus extramural expenditures naturally will differ in these two series of publications by the amount of non-program costs.

II DEFINITIONS

Departments and agencies are requested to identify the resources reported in their Main Estimates submissions that are to be applied to scientific and technological activities in the natural and human sciences. The basic reporting unit is the budgetary program.

Definitions of, and explanatory notes on, natural sciences, human sciences, scientific and technological activities, performance sectors, and other terms used in the publication are given below.

The natural sciences consist of disciplines 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 involving the study of human actions and conditions and the social, economic and institutional mechanisms affecting humans. The human sciences include such disciplines as anthropology, business administration and commerce, communications, criminology, 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.

For some programs it will be difficult to distinguish between the natural and human sciences. However, some allocation must be made and in determining this allocation, the respondent was advised to consider the dominant orientation of the projects and the area of expertise of the personnel involved.

NATURAL SCIENCE ACTIVITIES

Actual and planned expenditures on scientific and technological activities are classified according to the type of scientific activity and the performance sector in which the activities were or will be conducted.

Scientific and technological activities involve the generation, dissemination and initial application of scientific and technological knowledge. The two main categories are research and experimental development (R&D) and related scientific activities (RSA). In the natural sciences, the RSA group includes scientific data collection, scientific information services, testing and standardization, feasibility studies, education support, and museum services. Such activities are related to research and generally complement and extend R&D.

Expenditures on construction, acquisition or preparation of land, buildings, machinery and equipment are capital expenditures. All other expenditures are current expenditures.

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. However, an R&D project 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.

In-house R&D - R&D performed by personnel of the reporting program. It may include R&D carried out on behalf of another program on a cost recovery basis.

R&D contracts - payments to organizations or individuals outside the federal government for the conduct of R&D by the recipient or to provide support for the federal government's in-house R&D program.

- a) R&D Contracts - contracts to an outside institution or individual to fund R&D performed by the institution or individual. The criterion is: would the performer report the contract as intramural government-funded R&D if asked?
- b) Supporting contracts - contracts to an outside institution or individual to provide goods or services necessary to support the in-house R&D program. Examples are contracts with data processing firms for computing services, maintenance contracts for R&D facilities, or procurement contracts for specialized equipment which is not considered capital.

Contracts for related scientific activities (RSA) are reported for the appropriate activity and performance sector.

R&D grants and contributions - awards to organizations or individuals for the conduct of R&D and intended to benefit the recipients rather than provide the program with goods, services or information. These funds are normally identical to that portion of the budgetary "grants and contributions" line object of expenditure which is devoted to R&D activities.

Grants and contributions for related scientific activities (RSA) are reported in the appropriate activity and performance sector.

Research fellowships - awards to individuals for advances in research training and experience. 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. General purpose grants to educational institutions are excluded. The activity includes the support of foreign students in their studies of S&T 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 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 is 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, e.g., R&D or RSA.

HUMAN SCIENCE ACTIVITIES

Actual and planned expenditures on scientific and technological activities are classified according to the type of scientific activity and the performance sector in which the activities were or will be conducted.

Scientific and technological activities involve the generation, dissemination and initial application of scientific and technological knowledge. The two main categories are research and experimental development (R&D) and related scientific activities (RSA). In the human sciences, the RSA group includes general purpose data collection, information services, economic and feasibility studies, operations and policy studies, education support, and museum services. Such activities are related to research and generally complement and extend R&D.

Expenditures on construction, acquisition or preparation of land, buildings, machinery and equipment are capital expenditures. All other expenditures are current expenditures.

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 the 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.

In-house R&D - R&D performed by personnel of the reporting program. It may include R&D carried out on behalf of another program on a cost recovery basis.

R&D contracts - payments to organizations or individuals outside the federal government for the conduct of R&D by the recipient or to provide support for the federal government's in-house R&D program.

- a) R&D Contracts - contracts to an outside institution or individual to fund R&D performed by the institution or individual. The criterion is: would the performer report the contract as intramural government-funded R&D if asked?
- b) Supporting contracts - contracts to an outside institution or individual to provide goods or services necessary to support the in-house R&D program. Examples are contracts with data processing firms for computing services, maintenance contracts for R&D facilities, or procurement contracts for specialized equipment which is not considered capital.

Contracts for related scientific activities (RSA) are reported for the appropriate activity and performance sector.

R&D grants and contributions - awards to organizations or individuals for the conduct of R&D and intended to benefit the recipients rather than provide the program with

goods, services or information. These funds are normally identical to that portion of the budgetary "grants and contributions" line object of expenditure which is devoted to R&D activities.

Grants and contributions for related scientific activities (RSA) are reported in the appropriate activity and performance sector.

Research fellowships - awards to individuals for advanced research training and experience. 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 human 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.

PERFORMERS

The performer is the sector in which the planned scientific activity will be conducted. The basic distinction is between intramural and extramural performance. Extramural payments are classified on the basis of the performance sectors to which they are made. The six extramural performers selected are Canadian industry, Canadian universities, Canadian non-profit institutions, provincial and municipal governments, foreign performers, 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 or municipal governments, provincial research councils and foundations.



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PERSONNEL CATEGORIES

Intramural expenditures are supported by data on the number of person-years devoted to scientific and technological activities by all the employees engaged in these activities.

Person-years - a measure of the time actually devoted to the conduct of scientific activities. An employee who is engaged in scientific activities for half a year has a person-year equivalence of 0.5.

Information on personnel appearing in this report is presented under the six occupational 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 specialised training.
5. Administrative Support: groups such as clerical and regulatory; communications; data processing; office equipment and close up 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.