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1987-88/079

FA 129-7

DESCRIPTION (SPECIFY TYPE (S))/DESCRIPTION (PRÉCISER GENRE(S))

This accession consists of documents created and collected during the course of a wide variety of studies conducted under the auspices of the Science Council. Includes is documentation from the following projects: the Aeronautics Study (Box 1); Proposal for Intense Neutron Generator (Box 2); Astronomy Study (Box 3); Background Study in Science Policy and Toward a National Science Policy for Canada (Box 4); Engineering Study (Boxes 5 - 9); Federal Support of Engineering Research in Universities (Boxes 10 - 15); Physics in Canada (Boxes 16 - 17B); Scientific and Technical Information (Boxes 18 - 19); Water Resources Study (Boxes 20 - 22); Upper Atmosphere and Space Program Study (Box 23).

(i)



RECORDS FINDING AID - L'AIDE DE RECHERCHE DES DOSSIERS

(1987 88/079)

72 H8 (AMENDED)

Outside Dates - Dates extrinsèques  
1966-1972

FA 129-7

Description, Arrangement and Locations of Records - Description, Classement et lieu des dossiers

SCIENCE COUNCIL OF CANADA - RECORDS

I - INDIVIDUAL STUDIES 1966-1972 arranged by type and then in numerically by file number:

A - AERONAUTIC'S STUDY

SPECIAL STUDY #12

10-2-8-4 (POCKET)

1

D-397

B - PROPOSAL FOR AN INTENSE NEUTRON GENERATOR

SPECIAL STUDY #4

10-2-29-4 (POCKET)

2

-397

- ASTRONOMY STUDY

ENGINEERING COPY

1035-2 VOL 3 (POCKET)

3

-397

- BACKGROUND STUDIES IN SCIENCE POLICY AND TOWARDS A NATIONAL

SCIENCE POLICY FOR CANADA

ENG. SPECIAL STUDY #6

1704-4 VOL.2 (POCKET)

4

D-397

E - ENGINEERING STUDY

1175-2

UNIVERSITY OF WINDSOR

5-9

-397

- FEDERAL SUPPORT OF RESEARCH IN UNIVERSITIES

ENG. SPECIAL STUDY #7

FOLDER #167

10-15

-397

G - PHYSICS IN CANADA - SURVEY AND OUTLOOK - CHEMISTRY AND

CHEMICAL

ENG. SPECIAL STUDY #2

10-2-28-5

16-17B

-397

(11)







1987-88/079

FA 129-7

Box I

(1987-88/079)

AERONAUTICS STUDY

- 1 eng. Special Study No. 12 - Aeronautics-Highway to the Future
- 1 fr. Etude Special no. 12 - L'aeronautique debouche sur l'avenir

(no reports issued)

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Files;

- 10-2-8 Aeronautics - Study vol. 1
- 10-2-8-2 Aeronautics - Publications vol. 1
- 10-2-8-3 Aeronautics - Committee - General vol. 1,2,
- 10-2-8-4 Aeronautics - Committee - Agenda & Minutes of Meetings vol. 1

- - - - -

1 pocket of loose material

1. Civil Aviation Research and Development - An Assessment of Federal Government Involvement
2. Canadian Aerospace capabilities and resources - Aerospace study - volume 2
3. Science Council of Canada Study on Aeronautical Research & Development in Canada Historical aspects
4. Ltr fr Dept. of Industry re; Industrial Research and Development Incentives Act Program for the Advancement of Industrial Technology & Defence Industry Productivity Program (Vote 5)
5. The Administration of Government sponsored aeronautical Research and Development in Canada - by D.H.E. Cross
6. Notes on Future Military Aeronautical Research and Development Policy
7. An abstract of statistics related to The Aerospace Industry
8. Study of Aeronautical Research & Development Activities in Canada
9. Dept. of National Defence - Inputs to the Science Council Study of Aeronautical Research & Development - Compiled by the Scientific Assistant to the CTS
10. National Research Council of Canada - Discussion of National Research Council Aeronautical Research and Development Work Programs (1962-1968) related to the "RCAF" Aeronautical Research requirements", brief dated Jan. 31 1961
11. NRC of Canada - Aeronautical Research and Development in the National Research Council of Canada - Compiled for the Science Council of Canada Aeronautical Research and Development Study - Jan. 1969
12. Aeronautical R & D Study = VOL 1
13. Aeronautical R & D Study = VOL 2
14. Aeronautical R & D Study = VOL 3
15. Aeronautical R & D Study = VOL 4



Box 4

TOWARDS A NATIONAL SCIENCE POLICY FOR CANADA

- 1 eng. report no. 4 - Towards a National Science Policy for Canada
- 1 fr. rapport no. 4 - Vers u ne politique nationale des sciences au Canada

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Files;

1704-4 Towards a National Science Policy for Canada vols. 1,2,

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1 pocket of loose material;

- 1. Science Council of Canada - First Policy Report - Draft 2
- 2. Science Policy for Canada - 1968 Review
- 3. Table of Contents
- 4. Science Council of Canada - First Policy Report (2 cps)
- 5. Science Council of Canada - Report No. 4 - Towards a National Science Policy for Canada Oct. 1968
- 6. Press clippings relating to Science Council Report No. 4



Box 4

BACKGROUND STUDIES IN SCIENCE POLICY

- 1 eng special study no. 6 - Background Studies in Science Policy;  
Projections of R&D Manpower and Expenditure
- 1 fr etude speciale no. 6 - Etudes de base relatives a la politique scientifique;  
Projections des effectifs et des depenses R&D

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Files;

1704-3 Background Studies in Science Policy - S. Studyx vol. 1

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1 file pocket of loose material;

1. The projected supply of Scientists and engineers in Canada - by  
R.W. Jackson D.W. Henderson and B.W.K. Leung
2. Gross expenditures on R&D in Canada projected to 1978
3. The Inflation/Sophistication Factor

3



ENGINEERING STUDY

Box 5

Box 5

P.S. (The Engineering Study which was undertaken by Messrs. Cass-Beggs and Sarault did not produce a publishable report. We have been struggling with it for sometime because some parts of the report were good but others were sufficiently below standard that the Council did not feel it reached the level set for our special studies.  
Dr. P.E. McTaggart-Cowan

Files;

1175-2	Engineering - Study	vols. 1,2,3,4,5	
1175-3	Engineering - Committee - General	vols. 1,2,	
1175-4	Engineering - Committee - Agenda & Minutes of Meetings		vol. 1

Box 6

Box 6

- 1 Report on Research in Engineering - Third Draft
- 1 Science Council Study on Research in Engineering - Second Draft
- 1 Science Council - Special Study No.....on Research in Engineering - Third Draft

1) 1 pocket of draft reports;

- 1. Report on Engineering Research - 1st Draft only - Nov. 1968
- 2. Science Council Study on Research in Engineering - Second Draft - Feb 1969

2) 1 pocket of loose material;

- 1. Engineering and Research in Canadian Universities
- 2. Opinions gathered in the course of interviews and from various articles and publications - G.E. Sarault - Aug 1968
- 3. Some tentative recommendations = G.E. Sarault - Aug 1968
- 4. Outline of interpretation
- 5. A summary of views about Industrial Research and Development activities in Canada - by Andrew H. Wilson - Jan. 1969
- 6. Increased government investments in technological research and industrial development. Comments by the IVA on a memorandum from the Dept. of Finance (trans. fr Swedish) Royal Swedish Academy of Engineering Sciences
- 7. A Pragmatic view of University-Industry relationships - Address by John Orr - Halifax N.S. May 30 1968
- 8. Continuing Education of Canadian Engineers - Programme Recommended by Stanley House Seminar
- 9. Research in Engineering - Notes on discussions with Mr. Bacmeier - Dec/67
- 10. Annual direct expenditures on Research in Engineering
- 11. Federal Expenditure on Engineering Research



(ENGINEERING STUDY cont'd)

12. Some procedures in reaching decisions on research projects
13. Depenses directes du gouvernement federal pour la recherche en genie
14. Main divisions of Research Topics fr. Questionnaires and number of universities - staff interested or involved
15. Books and articles dealing with foreign countries
16. A different approach to engineering training
17. loose miscelleaneous correspondents
18. A policy for engineering and science in Canada

3) 1 pocket of loose correspondence; on electric engineering

1. University of British Columbia
2. University of Toronto - Dept. of Electrical Engineering  
Continuing education programmes for power engineers  
G.R. Slemon
3. The Crisis in industrial research in Canada - D.M. Meyers & F. Noakes
4. Transactions Paper - AEEI
5. Engineering Research and Canada's Future - Dec 4/71 - F. Noakes

4) 1 pocket of loose correspondence;

1. National Seminar on the continuing education of engineers (covered by the Engineering Institute of Cda and sponsored by UNESCO  
4-8 July 1966
2. The Engineering Institute of Canada - Report of Council year ending Dec 31/68

5) 1 pocket of loose correspondence;

1. Proposal for a Fuel Cell Industry Project (ND)
2. Fuel Cell Industry Project - Presented by Dept. of Industry - Electrical Div.

087 Box 7

1 pocket of loose correspondence (Engineering Research Briefs)

Box 7

1. Engergy supply and demand forecase - Atlantic Provinces 1965-1985
2. A nation plans its engineering research - Panel discussion - Sept 23 / 68
3. Faculty of Eng. Univ. of Waterloo - Support of Engineering Research in Univ.
4. The "Inflation Factor" in R & D costs by K.F. Tupper
5. The Engineering Institute of Canada - EIC prepared brief on national technical objectives.  
Submitted by  
The Engineering Institute of Cda 1966
6. A brief on A Policy for Engineering and Science in Canada

?) 1 pocket of loose correspondence - engineering drafts

1. Research & Development expenditures and gross national product
2. Trends in industrial research and development expenditures
3. Industrial Engineering and Canadian Universities - by A Raouf



(ENGINEERING STUDY cont'd)

4. Submission to the Science Secretariat with respect to Industrial Research and Development in Canada by Canada Pulp & Paper Assé
5. Federal Grant Support of Engineering Research
6. Engineering Manpower in Canada - A.C. Gross
7. Trends in the Supply and demand of University Graduates - Dept. I & M
8. Chart Sheets
9. Engineering Research in Canada - Science Council Statement - Final Draft
10. Interpretation
11. Employment and Earnings in the Scientific and Technical Profession 1958-1961
12. Canada's Manpower with particular reference to engineering personnel -  
- by G.T. Cage M.E.I.C.
13. Chemical Institute of Canada - D.S. Scott & P.N. Keilly, J.M. Hay
14. Science Council Survey on Engineering Research in Canada
15. Preliminary - Criteria for selection of N.R.C. Research Projects
16. Summary of main conclusions and recommendations
17. Outline of suggested Science Council - Report on Engineering Research  
W.D. Bennett - Aug 1969
18. The Proposed Churchill River Diversion and Associated Problem  
Report to the Minister of Mines & Natural Resources -D Cass-Beggs
19. Engineering and Research in Canadian Universities - A report prepared for  
the Committee on Research in Engineering by J.H. Brown Mar 29/68

8) 1 pocket of loose correspondence; - (Dean Brown's Report)

9) 1 pocket of material in black hard covers;

1. Material by Cass-Beggs & G. Sarault, which was given to the Research in Engineering Committee Members (through Mr. Mullin)
2. Research in Engineering (Reports by Grassie, Rousseau & Coleman)
3. Research in Engineering - Reports by Cass-Beggs
4. Research in Engineering in Canada

10) 1 pocket of loose material;

1. Interviews & correspondence with Industry

11)c 1 pocket of loose material;

1. Quebec Hydro Proposal for Research Institute - Meeting

12) 2 pockets of press clippings

13) 1 pocket of original drafts of the Engineering Report

Box 8

88 Box 8



(ENGINEERING STUDY cont'd)

P.S. The following are folders containing loose correspondence regarding questionnaires on "Survey of Engineering Research in Universities in Canada for the Science Secretariat of the Privy Council Office".

1. University of Alberta
2. The University of British Columbia
3. University of Calgary - Staff questionnaires
4. Carleton University - Dept leaders questionnaires
5. Dalhousie University
6. Ecole Polytechnique
7. Guelph University
8. Laval University
9. University of Manitoba

- 
10. McGill University
  11. McMaster University
  12. Moncton University - Staff Questionnaires
  13. Nova Scotia Technical College
  14. University of New Brunswick - Staff Questionnaires
  15. University of Ottawa
  16. Queen's University
  17. Royal Military College
  18. University of Saskatchewan
  19. University of Sherbrooke
  20. University of Toronto
  21. University of Waterloo
  22. University of Western Ontario
  23. University of Windsor

2 Black hard covered book - Report on Research in engineering - Third Draft

Box 9

Box 9



Box 10

FEDERAL SUPPORT OF RESEARCH IN UNIVERSITIES

Box 10

- 1. eng. special study no. 7 The Role of the Federal Government in Support of Research in Canadian Universities
- 1. fr. etude speciale no. 7 Le gouvernement federal et l'aide a la recherche dans les universites canadiennes
- 1 eng. report no. 5 University Research and the Federal Government
- 1 fr. rapport no. 5 Le soutien de la recherche universitaire par le gouvernement federal

Files;

- 10-2-22 Federal Support of Research in Universities - Study vols 1,2,3,4,5
- 10-2-22-1 Federal Support of Research in Universities - Budget Vol. 1
- 10-2-22-2 Federal Support of Research in Universities - Publication vol. 1
- 10-2-22-3 Federal Support of Research in Universities - Committee Gen. Vol. 1,2,3,
- 10-2-22-4 Federal Support of Research in Universities - Committee - Agenda & Minutes of Meeting vol. 1

Seperate folders of loose material

- 1. Briefs - Academically Based Organizations
- 2. Alcoholism & Drug addiction Research Foundation
- 3. Arctic Institute of North America
- 4. Association of Cdn Medical Colleges
- 5. Association of Canadian Schools of Business
- 6. B. C. Research Council
- 7. Canadian Arthritis and Rheumatism Society
- 8. Canadian Association for the Advancement of Health Science (Canadian Heart Foundation)
- 9. Canadian Association of Geographers
- 10. Canadian Association of Graduate Schools
- 11. Canadian Council on Animal Care
- 12. Canadian Council on Urban and Regional Research
- 13. Canadian Economics Association
- 14. Canadian Institute of Onomastic Sciences
- 15. Canadian Medical Association
- 16. Canadian Mental Health Association
- 17. Canadian Nurses Association
- 18. Canadian Organization for Joint Research
- 19. Canadian Peace Research and Education Association
- 20. Canadian Psychological Association
- 21. Canadian Society for the Study of Religion
- 22. Canadian Sociology and Anthropology Association
- 23. CURC (Canadian Universities Research Commission)
- 24. Canadian Veterinary Medical Association
- 25. Education
- 26. Learned Societies
- 27. National Cancer Institute of Canada
- 28. National Science Foundation

Box 11

Box 11



(FEDERAL SUPPORT OF RESEARCH IN UNIVERSITIES - cont'd)

73. College Sainte-Anne
74. College Saint-Joseph
75. College Saint-Louis
76. Dalhousie
77. Guelph
78. Huntington College
79. Huron College
80. University of King's College
81. Lakehead
82. Laurentian
83. Laval
84. University of Lethbridge
85. Loyala College
86. Manitoba
87. McGill
88. McMaster
89. Memorial
90. Universite de Monston
91. Montreal
92. Mount Allison
93. Mount Saint Vincent University
94. New Brunswick
95. Notre Dame University
96. Nova Scotia Tehcnical College
97. Ottawa
98. Prince of Wales College
99. Queen's
100. Royal MilitarymCollege
101. St. Dunstan's University
102. St. Francis Xavier
103. St. Jerome's College
104. St. Mary's University
105. University of St. Michael's College
106. Universite Saint-Paul
107. St. Thomas University
108. University of Saskatchewan
109. Seminary of Christ The King
110. Universite dw Shebrooks
111. Simon Fraser University
112. Sir George Williams University
113. Universite de Sudbury
114. Thormeloe
115. Toronto
116. Trent
117. Trinity College



(FEDERAL SUPPORT OF RESEARCH IN UNIVERSITIES - cont'd)

Bot 14

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118. Universities Grants Commission
119. Victoria
120. Waterloo
121. Western
122. Windsor
123. University of Winnipeg
124. York
125. Dept. of Agriculture
126. Air Canada
127. Atomic Energy of Canada Ltd.
128. Atomic Energy Control Board
129. Atlantic Development Board
130. Bank of Canada
131. Canada Council
132. Canadian Arsenal Limited
133. Canadian Broadcasting Corporation
134. Canadian Dairy Commission
135. C.N.R. Canadian National Railways
136. Canadian Patent and Development Limited
137. Canadian Transport Commission
138. Central Mortgage and Housing Corporation
139. Defence Research Board
140. D.B.S.
141. Dominion Coal Board
142. Economic Council of Canada
143. Eldorado Mining and Refining Limited
144. Canada Emergency Measures Organization
145. Dept. of Mines, Energy and Resources

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146. Dept. of External Affairs
147. External Aid Office
148. Farm Credit Corporation
149. Dept. of Finance
150. Dept. of Fisheries
151. Fisheries Research Board of Canada
152. Dept of Forestry and Rural Development
153. Dept. of Indian Affairs & Northern Development
154. Dept. of Industry
155. Dept. of Justice
156. Dept. of Labour
157. Library of Parliament
158. Humanities Research Council
159. Medical Research Council
160. Dept. of Manpower and Immigration
161. National Capital Commission
162. National Defence
163. National Energy Board
164. National Film Board
165. National Gallery of Canada
166. National Harbours Board
167. Dept. of National Health and Welfare



16  
Box 16

Box 16

PHYSICS IN CANADA  
SURVEY & OUTLOOK - SPECIAL STUDY

1 eng. special study no. 2 - Physics in Canada - Survey and Outlook  
(published in english only)

(no report was prepared on the termination of this study, instead an  
"Open Letter to Physicists" from the Chairman of the Science Council of  
Canada was sent out entitled; Physics in Canada)

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Files;

10-2-28-7 ~~Physics~~; Survey & Outlook - Special Study vol. 1

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Pocket no. 1 containing loose correspondence on Physics in Canada - Draft  
Pocket no. 2 containing loose binder material

1. Applied Physics in Canada - A survey by the Industrial Physics Cttee of the Canadian Association of Physicists
2. Proposal for producing C.E.C. Tabulations - DCF System Limited
3. Chemistry R & D Survey.- Original Report (loose paper form)
4. A meeting of the cttee on Research and Development, Sponsored by the Science Secretariat of the Privy Council of Canada
5. Chemistry R & D Survey - Record Papers
6. Chemistry - R & D - Survey - original report in hard back cover
7. Chemistry in Canada Survey, Objective & outlook

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(over)



Box 17

CHEMISTRY AND CHEMICAL

Box 17

- 1 eng. special study no. 9 - Chemistry and Chemical Engineering; A Survey of Research and Development in Canada (published 1969)
- 1 fr. etude speciale no. 9 - La chimie et le genie chimique au Canada; Etude sur la recherche et le developpement technique (A.E.R. Westman)

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Pocket no. 1 containing loose material - chemistry questionnaires only

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The following is listed seperately;

- Survey of Chemical Research and Development in Canada (Analytical Chemistry) Cttee No 1
- Report of Committee No. 2 - Inorganic Chemistry
- Survey of chemical and chemical engineering research and development in Canada  
Report of Committee 03 Metallurgy
- Research and Development of Chemistry in Canada - General Organic and Physical-  
Organic Chemistry - Committee 4
- Committee 5 Report area 051 Fuels, etc., -Area 052 Coatings and Detergents-Area 053  
Dyestuffs
- C.I.C. Survey - Report of Committee 6 - Pharmaceuticals and Natural Products
- Report of Committee 7 - Polymers, etc.,
- Report of Committee 8 - Pulp and Paper
- Report of Committee 9 - Textiles and Natural Leather
- C.I.C. R & D Survey - Committee 10 - Chemical Kinetics etc., Final Report
- Report of Committee II Thermodynamics, Colloid Chemistry and Ion Exchange
- Nuclear and Radiation Chemistry - Report of Committee 12 on Survey of Chemical  
Research and Development in Canada
- Electrochemistry in Canada; Status and Opportunities - Report of Committee 13;  
Electrochemistry
- Report of Committee 14 - High Pressure and High Temperature Chemistry etc.,
- Report of Committee 16 - Agriculture and Food Chemistry
- Report of Committee 17 - Biochemistry
- Chemical Institute of Canada - Survey of Chemical Research and Development on  
behalf of the Science Secretariat Science Council of Cda
- Report of Committee 19 - Chemistry in the Earth Sciences and Related Fields
- Report of Committee 20 - A Study of Canadian Literature and Information Services  
in Chemistry and Chemical Engineering
- The Chemical Institute of Canada - C.I.C. Survey of Chemistry R & D in Canada 1966  
Section 18 - Questionnaire processing record and data  
tables

12

(over)



Listed separately, are the 20 committee reports;

1. Survey of Chemical Research and Development in Canada "Analytical Chemistry"  
Committee No. 1 Report
2. Report of Committee No. 2 - Inorganic Chemistry
3. Survey of Chemical and Chemical Engineering  
Research and Development - for the Scientific Secretariat  
by the Chemical Institute of Canada -  
Report of Committee 03 - Metallurgy
4. Research and Development of Chemistry in Canada  
General Organic and Physical Organic Chemistry - Committee 4
5. Committee 5 Report - Area 051 Fuels, etc., - Area 052 Coatings and detergents -  
Area 053 Dyestuffs
6. C.I.C. Survey - Report of Committee 06 Pharmaceuticals and Natural Products
7. Report of Committee 7 - Polymers, etc.,
8. Report of Committee 8 - Pulp and Paper
9. Report of Committee 9 - Textiles and Natural Leather
10. C.I.C. R & D Survey - Committee 10 - Chemical Kinetics etc., Final Report
11. Report of Committee 11 - Thermodynamics, Colloid, Chemistry and Ion Exchange
12. Nuclear and Radiation Chemistry - Report of Committee 12 on Survey of Chemical  
Research and Development in Canada
13. Electrochemistry in Canada; Status and opportunities - Report of Committee 13;  
Electrochemistry
14. Report of Committee 14 - High Pressure and High Temperature Chemistry etc.,
15. "Chemistry Research" - Molecular Structure and Theoretical Chemistry
16. Report of Committee 16 - Agriculture and Food Chemistry
17. Report of Committee 17 - Biochemistry - March 1968, Revised October 1968
18. Chemical Institute of Canada - Survey of Chemical Research and Development on  
behalf of the Science Secretariat Science Council in  
Canada - Research in Chemical Engineering in Canada  
Committee 18
19. Report of Committee 19 - Chemistry in the Earth Science and Related fields
20. A Study of Canadian Literature and Information Services in Chemistry and  
Chemical Engineering
21. The Chemical Institute of Canada - C.I.C. Survey of Chemistry & D in Canada 1966  
Section 18 - Questionnaire processing record and  
data tables

22. Committee Reports (Bound) # 1 to 20



Remaining material on loan to National Library  
see file 21-1 for further information Set 18

SCIENTIFIC & TECHNICAL INFORMATION

- Special Study No. 8 - Scientific & Technical Information in Canada - Part 1
- Étude spéciale no. 8 - L'information scientifique et technique au Canada - 1ère part:
- Part II - Chapter 1 (Government Depts. & Agencies)
- Chapter 2 (Industry)
- Chapter 3 (Universities)
- Chapter 4 (Intern. Agencies & Foreign Countries)
- Chapter 5 (Techniques and Sources)
- Chapter 6 (Libraries)
- Chapter 7 (Economics)
- Report no. 6 - A Policy for Scientific and Technical Information Dissemination
- Report no. 6 - Une Politique pour la diffusion de l'information scientifique et technique.

- Scientific & Technical Information - Study vols. 1,2,
- Scientific & Technical Information - Budget vol. 1,
- Scientific & Technical Information - Publications vol. 1
- Scientific & Technical Information - Committee-General vols, 1,2,
- Scientific & Technical Information - Committee - Agenda & Minutes of Meetings Vol..1,

of loose material:

- R.C. Science-Technology Literature Resources in Canada - Survey by S. Bonn
- Reference on Government Information System
- Ref submitted by the University of Toronto Library - docus. attached
  - Terms of reference for the Study
  - "Guidelines for Briefs" by Study Committee
  - Draft brief
- World Ministerial Meeting on Science of OECD countries - Scientific and Technical information systems and policies
- Documentation Centre of the University of Guelph Library
- Bibliographic Information Exchange - Some problem area
- Policy for scientific and technical information dissemination - Sept 1969
- Questionnaire on the recommendations contained in the report scientific & technical information in Canada - by J.P.I. Tyas et al.
- Policy for scientific and technical information dissemination final report
- Atomic Energy of Canada - negatives - Table 3 - Budgets for agencies 1967-68
- Table 4 - budgets for agencies projected 72-73
- Table 1 - personnel by number & training 67-68
- Table 2 - personnel by number & training projected for 1972-73



23

UPPER ATMOSPHERE AND SPACE PROGRAM STUDY

23

- 1 eng. special study no. 1 - Upper Atmosphere and Space Programs in Canada  
(no french special study)
- 1 eng. report no. 1 - A Space Program for Canada  
(no french report)

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Files;

- 10-2-27 Upper Atmosphere and Space Program - Study vol. 1
- 10-2-27-2 Upper Atmosphere and Space Program - Publication vol. 1
- 10-2-27-3 Upper Atmosphere and Space Program - Committee vol. 1
- 10-2-27-4 Upper Atmosphere and Space Program - Committee - Agenda & Minutes of Meetings vol. 1

1) 1 pocket of loose material;

- 1. Upper Atmosphere and Space Research in Canada - Prepared by M.P. Pachynski
- 2. Upper Atmosphere and Space Research in Canadian Industry - Replies to Questionnaires of May 20 1966 giving statistical information
- 3. Upper Atmosphere and Space Research in Canada - Part I of a Brief - presented to Science Secretariate Committee 27 - Sept 1966 Montreal
- 4. Proposal for Canadian TV Network Satellite System - Part II of a Brief present to Science Secretariate Committee - RCA Victor Company Ltd.
- 5. Upper Atmosphere and Space Research in Canadian Industry -
- 6. An Earth Natural Resources Satellite System
- 7. Space electronics at RCA Victor Company Ltd - 7-year summary 1960-66

1 pocket of loose material;

- 1. Upper Atmosphere and Space Programs in Canada - Part II - Canadian International Space Programs - Texts of Agreements, memoranda of understanding, and other international arrangement in force = 31 Oct 1966
- 2. Preliminary copy for distribution onl to Science Council Members; Special Study no. Part III - The Harp-McGill Program
- 3. Part 1 - Findings and Recommendations - Upper Atmosphere and Space Programs in Cda
- 4. Upper Atmosphere and Space Programs in Canada - Report of the Study Group Headed by Dr. J.H. Chapman

1 pocket of loose material;

- 1. II Findings and Recommendations
- 2. Harp Clippings
- 3. Trans-Canada Telephone System /CN-CP Telecommunications - Cdn Communication Satellite System
- 4. Development of Gun Launched vertical probes for Upper Atmosphere Studies
- 5. Inospheric Winds Measured by Gun-Launched Projectiles
- 6. Sporadic E. and the Wind Structure of the E Region



(UPPER ATMOSPHERE AND SPACE PROGRAM STUDY cont'd)

7. Appendix I, II, V, IV.
8. N-S Wind Component (meters/sec) 20-21 Sept 1965
9. Motions of an electron-Ion Cloud released at 100 Kilometers from a Gun-Launched Projectile
10. Profiles of winds in the lower thermosphere by the gun-launched probe technique and their relation to Ionospheric sporadic E
11. Comparison of ionospheric drift velocities by the spaced receiver technique with neutral winds from luminous rocket trails
12. A Review of Project Harp - The N.Y. Academy of Science 1917
13. Some considerations in the use of Black Brant Rocket Motors and of the McGill University Space Research Institute 16" Gun as Major Components in a Canadian Satellite Launch Vehicle Development Program
14. A Space program for Canada - report no. 1 - June 1967 - Final draft
15. Special report no. 1 - A space program for Canada - May 1967 - first draft
16. Pamphlets re; Defence Research telecommunications establishments
17. III Canadian activities in the Upper Atmosphere and Space
18. Privy Council Office - A Space Program for Canada
19. Consensus of opinions on the establishment of a National Advisory Committee on space research and development and an associated central coordinating and contracting agency - prepared by G.N. Patterson
20. Terms of reference for a National Space Agency extracted from the Briefs submitted to the Study Group on The Canadian Upper Atmosphere and Space Program
21. Summary of a Satellite program proposed for a Canadian Domestic Satellite System