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1978

THE FUTURE DEVELOPMENT OF
PUBLIC TELECOMMUNICATIONS IN CANADA:

1976-1991

PROJECT DELTA-2

FINAL REPORT ON
CONTRACT OSU77-00205

1 June, 1977 to 31 March, 1978.

With additional information
on Project Delta activities
after 31 March, 1978

by

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and
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Prepared for:

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1 AUGUST, 1978

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ACKNOWLEDGEMENTS

We would like to express our deep appreciation to the members of the Department of Communications' Project Delta Advisory Committee for their vital contributions to the development of Project Delta-2. They are J.W. Halina (Chairman), J.R. Aubin, W.L. Hatton, V. Hill, J.M. Bergman and M. Prentis. We would also like to thank Assistant Deputy Ministers Jean Fournier, Jean-Paul Lefebvre, and Douglas Parkhill for their interest in and encouragement of Project Delta.

Next we would like to thank the diverse members of the Project Delta network. Their active guidance in the development of the Project and their vigorous participation in the Project through preparation of working papers, discussions with Project staff, and, most important, debating the issues in Delta Dialogue Series Seminars, has been indispensable to achieving Project objectives.

Finally, we would like to thank Project Delta consultants, Professors D. Crowley, J.P. Lafrance, D. Latouche, A. Mear, R. Salisbury, and D. Theall, and staff members, Mme L. Lafrenière, Mlle M. Robert, and L. Roth, for the significant contributions they have made to the effective operation of the Project.



1. INTRODUCTION

This document is intended to be a brief summary report on the activities of Project Delta-2 to 31 March, 1978, with additional information on the Project's activities accomplished and planned as of 1 August, 1978. Since substantive reports are presently being prepared in English and French on the results of each Delta Dialogue Series Seminar, this report will focus on the development of the Delta network and will only describe briefly the seminars themselves. We also refer the reader to the Project documents prepared for each seminar, a list of which is appended. Since these working documents are already in the hands of all Project Delta participants the actual documents, amounting into to some 390 pages (199-English, 191-French), are not appended.

2. OBJECTIVES AND MODUS OPERANDI

The long range objective of Project Delta is to identify research priorities in the development of public telecommunications services and facilities and rank them. Given the complex and conflicting values, attitudes, perceptions, and trends (economic, technological, social, and political), which we described in the report on Project Delta-1, we suggested that Project Delta-2 should be a process oriented enterprise which would bring together appropriate people from the federal and provincial governments, the communications industry (including the Post Office, telephone and



telegraph, broadcasting, cable, programming, publishing, advertising, education, and data communications), labor and the general public. Building on and broadening the very productive work begun by the Communications Research Conference Board, Project Delta-2 could facilitate the dialogue, cooperation, and collaboration necessary to clarify research priorities vis-à-vis the future of communications in Canada, rank them, and expedite research on the priority issues. We suggested that such a project could contribute significantly to:

1. increased understanding and communication between the relevant governments, the various sectors of the industry, labor, researchers in the field, and the public,
2. a clear statement of shared goals, values and perceptions and irremediable differences among those participating in Project Delta,
3. a concrete specification of research problems which deserve immediate attention according to the majority of participants,
4. the organization of jointly funded research teams which reflect the interests and needs of all principal actors in the communications milieu in Canada and which draw on their various kinds of expertise,



5. the provision of a channel of communications between the government and the various constituencies served by it in the communications field.

The proposal which we have just outlined was accepted and resulted in the present contract.

Vis-à-vis modus operandi and end product, the work statement which provided guidance to us in fulfilling the contract stated:

It is desired that this program facilitate participation, communication and education amongst individuals, enterprises and collectivities concerned with its subject matter. The researcher is encouraged to utilize person-to-person meetings, seminars, colloquia, telecommunications, audio-visual devices, etc.. While certain reports are necessary for reference purposes, a voluminous book of paper - unreadable and potentially unread - is neither the sole nor the primary product expected of this undertaking. The



challenges are those of conceptual excellence, of rationalizing through conventional wisdoms and, above all, tracing bridges between the social, economic, political, cultural functions of telecommunications and the physical specifics of transmission lines, networks, broadcast transmitters, exchanges, terminal transducers, and property ownership.

The contractor is encouraged to invite and engage, in "kind" and financially, other institutions as subscribers to the program and co-researchers. The department will assist him in identifying and establishing contact with persons, institutions and governments. His attention is particularly drawn to the 1976 series of conferences and their participants, which made significant progress towards describing research priorities in Canadian telecommunications and in developing



some conceptual frameworks but required a more structured mechanism such as the present program to evolve a synthesis.

The department's principal condition with regard to any such extension of the project which the contractor may wish to promote is that the public dissemination of the product thereof not be restricted as a consequence.

In order to fulfil the mandate given to us our principal tasks were to:

- (1) Develop a network of people who were concerned with future oriented issues in Canadian communications and who could reflect the various active interests and actors on Canadian communications "scene".
- (2) Organize opportunities for constructive dialogue on these issues, and
- (3) Provide the working papers and other inputs, substantive and methodological, needed to facilitate progress in the



dialogue so that issues would be clarified, new insights achieved, and research priorities identified.

In the following section we describe how we accomplished these tasks.



3. THE DEVELOPMENT OF THE DELTA NETWORK AND THE DELTA DIALOGUE SERIES

3.1 The Development of the Delta Network

The group which met as the Communications Research Conference Board was focused geographically in Ottawa, Montreal, and Toronto and consisted principally of civil servants and planners from the Federal government, the private sector, and semi-public corporations and agencies. The Federal government's members included people from the Bank of Canada, the Canadian Radio-Television and Telecommunications Commission, the Department of Communications, the Post Office, and the Department of Transport, while from the semi-public sector the Canadian Broadcasting Company, the National Film Board, the Ontario Educational Communications Authority, and Radio Quebec were represented. From the private sector were executives from the broadcasting industry - CTV, the cable companies - Canadian Cablesystems Ltd., Rogers Cable Communications Ltd., and Télécâble Vidéotron Ltée, the press - La Presse Ltée, Torstar Ltd., the film world - Oro Films Ltd., the telephone enterprises - Bell Canada Ltd. Alphonse Ouimet, acting as an individual, chaired the Communications Research Conference Board. The individuals and groups comprising CORCOB served as the initial core of the Project Delta network.

Despite the wide range of interests well represented in CORCOB we felt that if Delta were to fulfil its mandate properly it would



have to broaden its coverage of the Canadian Communications scene in several ways - by involving the provincial governments and their agencies, by widening the geographical scope to include the Maritime provinces, the West, and the North, and by enlisting the participation of individuals and groups representing labour, the native peoples, and the general public. To this end the Project Coordinator, Mr. Sindell, consulted with respected individuals, groups, corporations, and government agencies active in the communications milieu in Canada to obtain their ideas on Project Delta's membership, mode of operation, activities, and objectives. After these consultations were completed a prospectus was written and distributed to individuals and entities from the public, semi-public, and private sectors including governments, business, labour, academia, and citizens' groups. The prospectus specified Project Delta's objectives and the team of staff and consultants who would implement the objectives while also describing the first three proposed Delta Dialogue Series Seminars.

Responding to the prospectus, face to face discussions, project working papers, and participation in the first four Delta Seminars, a Project Delta Network exists as of this date (1 August, 1978). This network is detailed in Table 1 according to sector: public, semi-public, private, labour, citizenry, and individuals. The total number of individuals who constitute the



Table 1

MEMBERS OF THE DELTA NETWORK

PUBLIC SECTOR

Canadian Radio-Television and
Telecommunications Commission

Department of Communications

M. R. B. Chiasson, Directeur général
de la recherche

M. Jean Fournier, Sous-ministre adjoint
principal (Politiques)

M. Jean-Paul Lefebvre, Sous-ministre
adjoint (Services)

Mr. Douglas Parkhill, Assistant Deputy
Minister, Research Policy

Technology and Systems Research and
Development:

Mr. W. Lewis Hatton, Director General

National Telecommunications Branch:

Mr. K. T. Hepburn, Director General
Mr. Vincent Hill, Director, Industrial
Research Development

Research Policy and Planning:

Mr. J. W. Halina, Director General
Mr. J. Raymond Aubin, Director,
University Program
Dr. C. D. Shepard, Director, Research
Policy Development

Social Policy and Programs Branch:

Mr. P. D. Brodhead, Director General
M. Jean-Marie Bergman, Analyste prin-
cipal des politiques

Telecommunications Economics Branch:

Dr. Margaret Prentis, Director General
Mr. M. Andrieu, Director, Economic
Analysis Division



Table 1 cont'd

Council of Maritime Premiers

Mr. Fred Waller

Ontario - Ministry of Transport
and Communications

Mr. David Hobbs, Executive Director,
Communications Division

Québec - Ministère des communi-
cations

M. Hubert Stéphane, ingénieur,
Directeur de la recherche
M. Marcel Desjardins, ingénieur

SEMI-PUBLIC SECTOR

Canadian Broadcasting Corporation

M. Pierre Desroches, Vice-président
exécutif
Dr. Bruce McKay, Manager of Strategic
Planning, English Services Division

National Film Board

M. André Lamy, Commissaire du gouver-
nement à la cinématographie et
Président de l'ONF
Mr. Bill Litwack, the Planning Office

Ontario Educational Communications
Authority

Mr. Ronald T. Ide, Chairman
Mr. Ignacy Waniewicz, Director,
Office of Planning and Development

SaskMedia

Mr. Larry Young, Executive Director

The Manitoba Telephone System

Mr. S. G. Anderson, Vice-Chairman and
Assistant General Manager
Mr. A. J. Fritz, Manager, Corporate
Planning

PRIVATE SECTOR

Bell Canada

Mr. Allen Walter, Assistant Vice-
President
Mr. Trygve Ringereide, Director,
Policy Development

Canada Wire and Cable Ltd.

Dr. Robert Allio, Vice-President,
Technology and Development
Mr. Ifor Ffowes Williams, Manager,
Marketing Development

Canadian Cablesystems Ltd.

Mr. W. Edwin Jarmain, President

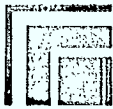


Table 1 cont'd

C.P. Telecommunications

Mr. Jack G. Sutherland, Vice-President,
Telecommunications, Canadian
Pacific Ltd.

Mr. Bob Allen, Deputy General Manager,
Planning and Development

C.T.V. Television Network Ltd.

Mr. John T. Coleman, Director
Government and Industry Liaison

La Presse

M. Antoine DesRoches, Directeur des
relations publiques

Northern Telecom Ltd.

Dr. Donald A. Chisholm, F.I.E.E.E.,
Executive Vice-President, Technology

Mr. John D. MacDonald, Vice-President,
Technology Management

Rogers Telecommunications Ltd.

Mr. Ted Rogers, President

Regina Cable Cooperative

Mr. Fred Wagman, General Manager

SED

Mr. Michael Hodson, President

Télécâble Vidéotron

M. Roger Jauvin, Vice-président exécutif

Torstar Ltd.

Mr. Roy Megarry, Vice-President,
Corporate Development

LABOUR

Association of Canadian Televi-
sion and Radio Artists

Mr. Paul Siren, General Secretary
Mrs. Margaret Collier, Assistant General
Secretary

Canadian Federation of Communi-
cation Workers

Mr. Boris Mather, Federal Chairman

CITIZENRY

Canadian Council of Churches

Dr. Ronald Anderson, General Secretary
Dr. E.H. Johnson, Vice-President

Consumers' Association of Canada

Mr. Greg Kane, Executive Director
Mr. Tom McPhail

Native Communications Society of
Nova Scotia

Mr. Conrad Paul



Table 1 cont'd

INDIVIDUALS

M. Alphonse J. Ouimet



formal network, thereby receiving all project documents and having the opportunity to participate in all project seminars, meetings, and other activities, is fifty-nine, including seven consultants. Alphonse Ouimet, as a private individual, is also in the network.

Institutionally speaking the network includes at the governmental level the C.R.T.C., D.O.C., the Council of Maritime Premiers, the Ontario Ministry of Transport and Communications, and Quebec's Ministère des Communications, from the semi-public sector we find the C.B.C., the N.F.B., O.E.C.A., SaskMedia, and the Manitoba Telephone System. From the private sector there are individuals from Bell Canada, CP Telecommunications, Canada Wire and Cable, Canadian Cablesystems, CTV, La Presse, Northern Telecom, Regina Cable Cooperative, SED, Télécâble Vidéotron, and Torstar. The labour groups represented include ACTRA and the Canadian Federation of Communications Workers, while the citizens' groups in Delta are the Canadian Council of Churches, the Consumers' Association of Canada, and the Native Communications Society of Nova Scotia. The total number of institutions represented in the Delta Network is twenty-six.

To give an idea who has actually participated in the four Project Delta Seminars to date we refer the reader to Table 2. Sixty-one people from thirty-five different government departments,



Table 2

PUBLIC SECTOR

Canadian Radio-Television and
Telecommunications Commission

M. R.B. Chiasson, Directeur général
de la recherche
DS #1
Mr. Nigel Weir, Research Branch
DS #3, #4

Quebec Regional Office

M. Paul E. Lamy, Directeur
DS #1

Department of Communications

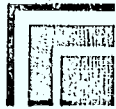
M. Jean Fournier, Sous-ministre
principal (Politiques)
DS #4
M. Jean-Paul Lefebvre, Sous-ministre
adjoint (Services)
DS #1
Mr. Douglas Parkhill, Assistant Deputy
Minister, Research
DS #4

National Telecommunications Branch:

Dr. Roger Kaye, Chief, Central
Network Plans and Policy Network
Development
DS #2

Research Policy and Planning:

Mr. J.W. Halina, Director General
DS #1, #2, #3, #4
Dr. C.D. Shepard, Director, Research
Policy Development
DS #1, #2, #4



PUBLIC SECTOR (cont'd)

Department of Communications (cont'd)

Social Policy and Programs Branch:

M. Jean-Marie Bergman, Analyste
principal des politiques
DS #1, #2, #3

Technology and Systems Research and
Development:

Mr. W. Lewis Hatton, Director General
DS #1, #3
M. J. R. Marchand, Directeur, Programme
des communications rurales
DS #3
Mr. G. Jull, Senior Consultant
DS #4
Mr. K. Richardson, Communications
Systems Consultant
DS #3

Telecommunications Economics Branch:

Dr. Margaret Prentis, Director General
DS #1, #4
M. Michel Andrieu, Directeur, Division
des analyses économiques
DS #4

Ontario Regional Office:

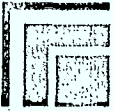
Mr. Bruce Gracie, Social Economic
Advisor
DS #2

Quebec Regional Office:

M. Jean-Jacques Chagnon, Directeur
régional
DS #1

Ministry of State, Science and
Technology

Mr. Morley Lipsett, Director General
DS #4



PUBLIC SECTOR (cont'd)

Council of Maritime Premiers

Mr. Fred Waller
DS #1

Ministère des communications -
Québec

M. Marcel Desjardins, ingénieur,
Service de la recherche
DS #1, #3, #4

SEMI-PUBLIC SECTOR

Canadian Broadcasting Corporation

Mr. David Lint, Director, Planning
DS #4
Dr. Bruce McKay, Manager of Strategic
Planning, English Services Division
DS #1, #2, #4

National Film Board

Mr. Bill Litwack, The Planning Office
DS #4

Ontario Educational Communications
Authority

Mr. Ran T. Ide, Chairman
DS #1, #2, #4
Dr. Ignacy Waniewicz, Director, Office
of Planning and Development
DS #2
* Mr. David Walker, Executive Director,
T.V. Ontario
DS #2

The Manitoba Telephone System

Mr. S. G. Anderson, Vice-Chairman and
Assistant General Manager
DS #3
Mr. A. J. Fritz, Manager, Corporate
Planning
DS #4

PRIVATE SECTOR

Bell Canada

Mr. Allen Walter, Assistant Vice-President
DS #1
Mr. Trygve Ringereide, Director, Policy
Development
DS #2, #4

* Observer



PRIVATE SECTOR (cont'd)

Canada Wire and Cable Ltd.

Mr. Ifor Ffowcs Williams, Manager,
Marketing Development
DS #2, #3, #4

Canadian Cablesystems Ltd.

Mr. W. Edwin Jarman, President
DS #1, #4

Canadian Telecommunications
Carriers Association

Mr. Donald J. Cruickshank, President
DS #4

Canadian Pacific Ltd.

Mr. M. Dennis Apedaile, Director,
Industry Affairs, C.P. Telecommuni-
cations
DS #4

Mr. Oscar Stubits, Project Manager,
Infoswitch, C.P. Telecommunications
DS #4

C.T.V. Television Networks Ltd.

Mr. John T. Coleman, Director, Government
and Industry Liaison
DS #2

La Presse Ltée

M. Antoine DesRoches, Directeur des
relations publiques
DS #1, #2, #3

Northern Telecom Ltd.

Mr. John D. MacDonald, Vice-President,
Technology Management
DS #4

Oro Films Ltd.

Mr. Peter Pearson
DS #1

Rogers Telecommunications Ltd.

Mr. Ted Rogers, President
DS #4

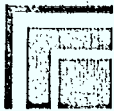
Télécâble Vidéotron

M. Roger Jauvin, Vice-président exécutif
DS #1, #2

Torstar Ltd.

Mr. Roy Megarry, Vice-President,
Corporate Development
DS #1, #2, #4

* Mr. Jim Spence, General Counsel
DS #4



LABOUR GROUPS

Association of Canadian Television
and Radio Artists

Mr. Paul Siren, General Secretary
DS #4
Mrs. Margaret Collier, Assistant-
General Secretary
DS #1

Canadian Federation of Communications
Workers

Mr. Boris Mather, Federal Chairman
DS #1, #2

CITIZENS' GROUPS

Canadian Council of the Churches

Dr. E. H. Johnson, First Vice-President
DS #4

Consumers' Association of Canada

Mr. Tom McPhail
DS #1, #3

Native Communications Society of
Nova Scotia

Mr. Conrad Paul
DS #2

INDIVIDUALS

* Mr. Ron Friedman, Saskatchewan Science Policy Secretariat
DS #2

Professeur Jean-Louis Houle, Ecole Polytechnique, Université de Montréal
DS #4

M. Alphonse J. Ouimet, Président, Communications Research Advisory Board
DS #1, #2, #4

* Mr. Arnold Rockman, Department of Sociology, York University
DS #2

Professor Liora Salter, Department of Communications, Simon Fraser University
DS #2

Ms. Gail Stewart, Ottawa

DS #2

* Observers



CONSULTANTS

Professeur Jean-Paul Lafrance, Directeur, Département des communications,
Université du Québec à Montréal

DS #3

Mr. Peter E. Legault, MacDougall, MacDougall and MacTier Ltd.

DS #2, #4

Professeur Annie Méar, Directrice, Section des communications, Département
de Psychologie, Université de Montréal

DS #1

Professor Richard F. Salisbury, Director, Programme in the Anthropology of
Development, McGill University

DS #3

Professor Don Theall, Director, Communications Programs, McGill University

DS #2



PROJECT DELTA TEAM

Mr. Kimon Valaskakis: Project Director

Mr. Peter S. Sindell: Senior Research Associate

CONSULTANTS:

Professor David Crowley, Communications Program, McGill University

Professeur Jean-Paul Lafrance, Directeur, Département des communications,
Université du Québec à Montréal

Professeur Daniel Latouche, Centre d'Etudes Canadiennes Françaises, Uni-
versité McGill

Mr. Peter E. Legault, MacDougall, MacDougall and MacTier Ltd.

Professeur Annie Méar, Directrice, Section des communications, Département
de Psychologie, Université de Montréal

Professor Richard F. Salisbury, Director, Programme in the Anthropology of
Development, McGill University

Professor Don Theall, Director, Communications Programs, McGill University.



unions, corporations, citizen's groups, and universities have attended a total of ninety-one times. The number of people at the seminars has ranged from fourteen at DS#3 to thirty-four at DS#4, with an average of 22.7 persons per seminar.

In concluding this section we believe it is fair to say that we have gained the confidence of the communications sector in Canada and, more importantly perhaps, actual participation in project activities. Thus we have accomplished the first task we set for ourselves, i.e. to "develop a network of people who were concerned with future oriented issues in Canadian Communications and who could reflect the various active interests and actors on the Canadian Communications "scene."

3.2 The Delta Dialogue Series

Our second and third tasks were to "organize opportunities for constructive dialogue on these issues and provide the working papers and other inputs, substantive and methodological, needed to facilitate progress in the dialogue so issues would be clarified, new insights achieved, and research priorities identified."

In order to accomplish these tasks we developed the "Delta Dialogue Series", a series of seminars designed to stimulate discussion and lead to clarification and hierarchization of the problems and



issues which we face in Canadian Communications in the next five to ten years. Table 3 summarizes Seminars #1, #2, #3, and #4: Subject, date, locale, author(s) of discussion paper(s).

The opening seminar in the series concerned perceptions of the Future of Canadian Communications (to 1991) and sought to define areas of conflict and concensus among the various actors. Based on an analysis of documents from a broadly representative set of sources (federal and provincial governments' policy documents, corporate reports, royal commission reports, academic papers, judicial decisions, federal-provincial agreements, etc.) done by Professors Crowley, Latouche, Méar, Smith and others, Messrs. Sindell and Valaskakis prepared a set of propositions organized into a number of themes. These themes and propositions were developed for use with the Consensor machine. The Consensor represents a uniquely useful methodological tool in delineating areas of conflict and concensus. In effect it is an electronic voting machine which allows 10 choices to the voter and a way to indicate the level of confidence which the voter has in his choice. The choices of up to twenty people are cumulated instantaneously and presented in the form of a bar graph with percentages on a television screen. GAMMA has developed innovative ways to use this tool in the context of Project Delta, while Professor Valaskakis has developed a guide for Delta members on the use of the Consensor. Using the Consensor, the



Table 3

PROJECT DELTA SEMINARS

(as of 1 August, 1978)

DELTA DIALOGUE SERIES

SEMINAR #1 : "CANADIAN COMMUNICATIONS 1976-1991:
CONFLICT AND CONSENSUS IN PERCEPTIONS"

Discussion paper by: Mr. Peter S. Sindell and Prof. Kimon Valaskakis

22 February, 1978
Montreal, Quebec

SEMINAR #2 : "ETHICAL ASPECTS OF THE FUTURE OF TELECOMMUNICATIONS
IN CANADA"

Discussion paper by: Professor Donald F. Theall

13 March, 1978
Toronto, Ontario

SEMINAR #3 : "GROUP" NEEDS IN CANADIAN COMMUNICATIONS:

1. A CONCEPTUAL APPROACH
2. AN EXAMPLE: CANADIAN FARMERS

Discussion papers by: Professors Jean-Paul Lafrance and
Richard F. Salisbury

30 March, 1978
Hull, Quebec

SEMINAR #4 : "THE INFORMATION SOCIETY"

Discussion paper by: Mr. A. R. Megarry

13 June, 1978
Toronto, Ontario



participants in DS#1 discussed and classified a wide range of technological, economic, regulatory, and socio-cultural issues. This Seminar served to set the scene for several following seminars.

For the first four Delta Seminars, consultants, a participant, or staff members prepared working documents which were generally circulated to the Delta Network well in advance of the Seminar. In the case of Seminar two, Project Delta consultant, Professor Donald Theall, Director of the Communications Programme at McGill University, prepared the working document on "Ethical Aspects of the Future of Telecommunications in Canada" which was the subject of the Seminar. Again the Consensor played an invaluable role in clarifying the importance of the issues. This was demonstrated most clearly by the change in priority assigned to various issues from the first Consensor votes (at the beginning of the day) to the last votes (at the end of the day). The Dialogue Series continued with "Group Needs in Canadian Communications held in Hull, Quebec." "A Conceptual Approach" prepared by Professor Jean-Paul Lafrance, Director of the Department of Communications of the UQUAM and Professor Richard F. Salisbury's "An Example: Canadian Farmers" constituted the discussion papers for this Seminar. Professor Salisbury is a dairy farmer himself in addition to being Director of the Programme in the Anthropology of Development. He and other members of the Programme have done several studies on northern communications and the parallels between communications problems in rural areas in the Canadian North came



out well in this Seminar. Mr. Roy Megarry, Vice-President of Corporate Développement for Torstar Ltd., wrote the paper for Dialogue Series Seminar #4. "The Information Society" held in June, 1978 in Toronto. Prior to the Seminar Messrs. A.R. Megarry, R. Ide, A.J. Ouimet and P.S. Sindell prepared propositions based on Mr. Megarry's paper in the form of a questionnaire for circulation to the members of the network, the results of which will form part of the final report on this Seminar.

Preliminary reports in both languages, on three of the seminars are in preparation presently; final reports will come in due course. All project documents are prepared in both official languages and the seminars are operated bilingually.

Winnipeg will be the site for Seminar #5 in the series and will concern "Fibre Optics and New Home Services." An agenda for the Seminar is appended to this report. The goal of the two and one half day meeting is to present to Delta members the major experiments which are currently in progress in these fields in Canada or directly under the aegis of a Canadian Company. Consequently both federal, semi-public, private and academic groups will be presenting their work as shown on the agenda.

The remainder of the Fall will have Seminars #6 and #7 which will present for discussion papers prepared by Alphonse Ouimet and



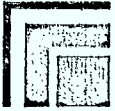
Télécâble Vidéotron under the title: "Plans for Action: Untangling the Canadian Telecommunications Web." The papers will focus on the separation of carriage from content and the future evolution of the content and carriage sectors.

The 1979 programme is currently under discussion with the membership but it will definitely include some seminars whose content will be derived from GAMMA's study of the implications of an Information Society in Canada. The first phase of this project is "Alternative Scenarios for a Canadian Information Economy." The results of this phase will be presented early in 1979 to the Delta Network for feedback, reaction, and criticism.

4. CONCLUSION

Returning to the mandate given to us by the Department of Communications, we would suggest that we have realized the goals of Project Delta as stated therein.

Perhaps the best indication of our success is that after the end of the contract 31 March, 1978, Delta has held another seminar and organized three more to be held before the end of 1978. Further, thirteen subscriptions totalling \$50,550 have been received from Bell Canada, Canada Wire and Cable, CBC, Canadian Cablesystems, Canadian Federation of Communications Workers, Canadian Pacific, La Presse, MacMillan Bloedel



Research, Manitoba Telephone System, Northern Telecom, Rogers Cable T.V.,
Télé câble Vidéotron, and Torstar. These funds have paid for expenses
incurred during 1978 which were not covered by the present contract and
have provided funds for Delta activities until 31 December, 1978.



DOCUMENTS DU PROJET/ PROJECT DOCUMENTS

Contexte socio-économique des télécommunications du secteur public du Canada de 1976 à 1991: vers une problématique.

Projet Delta: Phase 1, Rapport de Synthèse, Seconde édition - Révisée. Montréal, août 1977. Document préparé par Peter S. Sindell et Kimon Valaskakis. vi - 36 pp./Programme Projet Delta - 2e étape, 4 pp.

The Socio-Economic Context of Public Telecommunications in Canada 1976-1991: Toward a Problematique.

Final Report on Stage 1, Second and Revised Edition. Montreal, August, 1977. Prepared by Peter S. Sindell and Kimon Valaskakis. v + 35 pp./Work Statement, Project Delta - Phase 2, 4 pp.

Projet Delta - Phase 2, Prospectus, Montréal, janvier 1978. Par Peter S. Sindell. i + 19 pp.

Prospectus, Project Delta - Stage 2, Montreal, January, 1978. By Peter S. Sindell. v + 19 pp.

Séminaire #1 de la Série Dialogues: "Les communications au Canada 1976-1991: Conflits et convergences dans les perceptions", Montréal, 22 février 1978. Document de travail par Peter S. Sindell et Kimon Valaskakis. 17 pp.

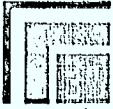
Dialogue Series Seminar #1: "Canadian Communications 1976-1991: Conflict and Consensus in Perceptions", Montreal, 22 February, 1978. Discussion Paper by Peter S. Sindell and Kimon Valaskakis. 17 pp.

Guide de procédures du Consensor, Montréal, 5 mars 1978. Par Kimon Valaskakis. 5 pp.

A Procedural Guide for the Consensor, Montreal, March 5th, 1978. By Kimon Valaskakis. 5 pp.

Séminaire #2 de la Série Dialogues: "Les aspects éthiques de l'avenir des télécommunications au Canada", Toronto, 13 mars 1978. Document de travail par Professeur Donald F. Theall, traduction par Michel Spiridon. ii + 18 pp.

Dialogue Series Seminar #2: "Ethical Aspects of the Future of Telecommunications in Canada", Toronto, March 13, 1978. Discussion paper by Professor Donald F. Theall. ii + 16 pp.



Séminaire #2 de la Série Dialogues: "Les aspects éthiques de l'avenir des télécommunications au Canada", Toronto, 13 mars 1978. Propositions préparées par K. Valaskakis, traduction par Michel Spiridon.
19 pp.

Dialogue Series Seminar #2: "Ethical Aspects of the Future of Telecommunications in Canada", Toronto, March 13, 1978. Propositions prepared by K. Valaskakis.
18 pp.

Séminaire #3 de la Série Dialogues: "Les besoins des groupes dans le secteur des communications au Canada", Ottawa, 30 mars 1978. Documents de travail par J.-P. Lafrance: Une approche conceptuelle, pp. 1-11.
R.F. Salisbury: Un exemple: les fermiers Canadiens, pp. 12-25.
25 pp.

Dialogue Series Seminar #3: "Group Needs in Canadian Communications", Ottawa, March 30th, 1978. Discussion Papers by J.-P. Lafrance: A Conceptual Approach, pp. 1-11. R.F. Salisbury: An Example: Canadian Farmers, pp. 12-25.
25 pp.

Séminaire #4 de la Série Dialogues: "La société informatisée", Toronto, 13 juin 1978. Document de travail par A.R. Megarry, traduction par Siri C. Genik.
29 pp.

Dialogue Series Seminar #4: "The Information Society", Toronto, June 13th, 1978. Discussion Paper by A.R. Megarry.
42 pp.

Séminaire #4 de la Série Dialogues: "La société informatisée", Toronto, 13 juin 1978. Propositions préparées par A.R. Megarry, R.A. Ide, A.J. Ouimet et P.S. Sindell.
10 pp.

Dialogue Series Seminar #4: "The Information Society", Toronto, June 13th, 1978. Propositions prepared by A.R. Megarry, R. Ide, A.J. Ouimet and P.S. Sindell.
10 pp.



AGENDA FOR PROJECT DELTA SEMINAR IN WINNIPEG

SEMINAR # 5 : FIBRE OPTICS AND NEW HOME SERVICES:
EXPERIMENTS IN PROGRESS

Sunday, September 17, 1978

6:00 - 8:00 p.m. Reception,
City Centre Hotel.
(Courtesy of The Manitoba Telephone System)

Monday, September 18, 1978

TRANSPORTATION: Courtesy of The Manitoba Telephone System, a bus will be provided at the following times for the convenience of participants.

8:30 a.m. A bus will leave from The City Centre Hotel for the conference site (Manitoba Telephone System).

12:30 - 2:00 p.m. The bus will take participants from MTS to the restaurant and then back to MTS.

6:00 p.m. The bus will take participants from MTS to The City Centre Hotel.

CONFERENCE LOCATION: Conference Room 604/606
The Manitoba Telephone System
489 Empress Street
Winnipeg, Manitoba

SCHEDULE

N.B. Each presentation will take approximately 30 minutes followed by 30 minutes of discussion.

9:00 - 10:00 a.m. "The BCN Fibre Optic Supertrunk"

Presented by Mr. E.R. Jarmain, Chairman of the Board,
Cablesystems Engineering;
Mr. Nick Hamilton-Piercy, Vice-President,
Engineering, Cablesystems Engineering,
London, Ontario;

and Mr. Wence Zenko, Manager-Engineering,
Canstar Communications Ltd.,
Toronto, Ontario.



10:00 - 10:30 a.m.

Coffee

10:30 - 11:30 a.m.

"The Elie, Manitoba Fibre Optics Experiment"

Presented by Mr. George Tough,
Manager, Network Architecture,
Manitoba Telephone System,
Winnipeg, Manitoba.

11:30 - 12:30 p.m.

"The Domestic Terminal Project"

Presented by Professor Jean-Louis Houle,
Ecole Polytechnique,
Campus de l'Université de Montréal,
Montreal, Quebec.

12:30 - 2:00 p.m.

LUNCH. Reservations have been made at:
The Viscount Gort Restaurant,
1670 Portage Avenue.

2:00 - 3:00 p.m.

"Review of Projects on Future Communications Services"

Presented by Mr. C.D. Shepard, Director,
Research Policy Development,
Department of Communications,
Ottawa, Ontario.

and Ms. Nicole Leduc,
Manager, Business Development,
Bell Canada,
Hull, Quebec.

3:00 - 3:30 p.m.

Coffee

3:30 - 4:30 p.m.

"Home Monitoring and Switched Video Services - The
Syracuse Experiment"

Presented by Mr. Nick Hamilton-Piercy,
Vice-President, Engineering,
Cablesystems Engineering,
London, Ontario.

4:30 - 5:30 p.m.

"New Services Distributed by Cable"

Presented by Mr. Roger Jauvin,
Vice-Président Exécutif, Télécâble Vidéotron
St. Hubert, Quebec



Tuesday, September 19, 1978

9:00 a.m. - 12:00 noon

** "The Inter-City Broadband Network:
A Description and Demonstration"

Presented by Mr. William E. Evans, Manager,
Broadcast Industry Operations,
Manitoba Telephone System,
Winnipeg, Manitoba.

** Due to space restrictions, only 10 people can be accommodated at a time; however, for the convenience of the remaining participants, a tour of operator services will be provided in the interim.

A bus will leave the Hotel at 8:30 a.m. to take participants to the site of the demonstration.