

BIBLIOGRAPHY OF DEPARTMENTAL FOREST FIRE  
RESEARCH LITERATURE

By

G. S. Ramsey and N. G. Bruce

A listing of fire research literature written and published by members of the forest fire research staff of the Government of Canada. The publications cover the period from the early days of forest fire research in the Forestry Branch, Department of Interior to the present Department of the Environment.

FOREST FIRE RESEARCH INSTITUTE  
Canadian Forestry Service  
Department of the Environment  
Nicol Building  
331 Cooper Street  
Ottawa Canada  
K1A 0H2

INFORMATION REPORT FF-X-2

3rd Edition  
Including Supplements 1-8  
December 1975

# BIBLIOGRAPHY OF DEPARTMENTAL FOREST FIRE

## RESEARCH LITERATURE

By

G. S. Ramsey and N. G. Bruce

A listing of fire research literature written and published by members of the forest fire research staff of the Government of Canada. The publications cover the period from the early days of forest fire research in the Forestry Branch, Department of Interior to the present Department of the Environment.

FOREST FIRE RESEARCH INSTITUTE  
Canadian Forestry Service  
Department of the Environment  
Nicol Building  
331 Cooper Street  
Ottawa Canada  
K1A 0H2

INFORMATION REPORT FF-X-2

3rd Edition  
Including Supplements 1-8  
December 1975

## INTRODUCTION

The Forest Fire Research Institute of the Canadian Forestry Service has on file publications, records and data covering much of the early forest fire research undertaken in Canada. This collection is unique and much of the information is not readily accessible to researchers in other locations. One of the aims of the Forest Fire Research Institute is to serve as a reference centre for fire research information and to make this material available to other workers in this field.

This publication represents one portion of this phase of the Institute's work. Fire Control Abstracts, the Directory of Fire Research Projects, the Code Manuals and IBM Card decks of test fire, fuel moisture and weather data are other aspects.

Listed here, by author and type of publication, is all the literature of forest fire research written by members of the Institute and the Regional Establishments or their predecessors. These go back through the succession of departmental organizations from the present to the early days of federal forestry activity in the Forestry Branch, Department of the Interior.

The publications are segregated by series: Research Notes, Technical Notes etc. In addition to the items published by the Department, articles written by staff members for journals or papers delivered at conferences and meetings are included in separate listings. The standard bibliographic data is included for each item to assist those who may wish to assemble special bibliographies from this list. A slight variation from the standardized format has been made to make it easier to locate an individual article by title, author or date.

Since, in the case of many of the early items, the copy held by the Institute is the only one available, arrangements are being made for short-term loan of this material to research workers in other areas. Many of these early publications contain a wealth of basic information on the development of fire research techniques and as such are worthy of wider distribution. It is our intention to reprint these in this Information Report series as time and facilities permit. These will then be available for distribution and retention rather than on a loan basis.

Copies of the more recent items or reprints, where noted, can be obtained from the Information Services Directorate, Department of the Environment or from the Forest Fire Research Institute. Where the item appears as an article in a periodical, copies of the publication can usually be obtained through the Departmental Library Services or local libraries.

Every attempt has been made to ensure a complete listing in each section. However, we would be pleased to have any omissions brought to our attention.

This publication was prepared to fit a loose-leaf binder, if the user so desires. It is our intention to keep it up-to-date with regular supplements. These supplements will be mailed only to those requesting them. A request form for the supplements is included as the last page of this report for the user's convenience.

## INDEX

### Section

A	Forest Fire Research Note Series
B	Technical Note Series
C	Departmental Publication Series
D	Forest Fire Research Leaflets
E	Mimeo Series
F	Pamphlets
G	Articles
H	Reprints
I	Papers
J	Misc. Fire Research Publications
K	Forest Fire Danger Tables
L	Periodicals (E & F)
M	Forest Fire Protection Notes and Forest Fire Protection Abstracts (E & F)
N	Mimeograph Reports
O	Project Progress Reports
P	Internal Report Series
Q	Information Report Series
R	FFRI Information Leaflets

FOREST FIRE RESEARCH NOTES

These publications appeared in four formats: 8½ x 11, 8½ x 13 and 6½ x 10 inches. The series, No. 1 to No. 16, was published by the Fire Research staff of the Dominion Forest Service to describe the results of major research projects. The series was begun in 1935 when the Forest Service was part of the Department of the Interior. It was continued when the Department was reorganized as the Department of Mines & Resources and later as the Department of Resources and Development. The Forest Fire Research Notes series was discontinued in 1953 when the Forestry Branch became part of the Department of Northern Affairs and National Resources.

A parallel series "Silviculture Research Notes" was published during the same period.

Forest Fire Research Note Series

R.N.

Wright, J.G.	1935	Research in forest protection.	Canada, Dept. of the Interior, Dominion Forest Service. (also paper, see I-1)	No. 1
Beall, H.W.	1938	Outline of a proposed short method of solving correlation problems when three or more variables are involved.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.	No. 2
Beall, H.W.	1938	A graphic correlation method for four-variable problems involving complex joint functional relationships.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.	No. 3
Wright, J.G. & H. W. Beall	1938	The effect of non-aqueous volatile matter in forest-fire fuels upon apparent moisture contents obtained by oven-drying.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.	No. 4
Wright, J.G. & H. W. Beall	1938	Preliminary improved forest fire hazard tables for Eastern Canada	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.	No. 5
-----	1940	(Reprinted with supplements)	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.	
Beall, H.W.	1939	Tables for estimating the tracer index from early afternoon weather readings. Table for diurnal hazard variation. List of forest types of Eastern Canada showing the fire-hazard table to be used for each type. (Supplement to Forest Fire Research Note No. 5)	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.	No. 5
Wright, J.G. & H. W. Beall	1938	Grass-fire hazard tables for Eastern Canada.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.	No. 6
Wright, B.S.	1939	Preliminary fire-hazard studies on cut-over lands of Eastern Canada.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.	No. 7

Beall, H.W.	1939	Preliminary forest-fire danger tables and fire-control administration plans for the New Brunswick Limits of the Bathurst Power and Paper Company, Limited.	Canada, Dept. of Mines No. 8 & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Beall, H.W.	1939	An investigation of the reliability of Eastern forest-fire hazard tables in Manitoba and Saskatchewan.	Canada, Dept. of Mines No. 9 & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Beall, H.W.	1940	Forecasting weather and forest fire hazard from local observations.	Canada, Dept. of Mines No. 10 & Resources, Lands, Parks & Forests Branch, Dominion Forest Service. (also pamphlet)
-----	1941	(reprinted)	" " "
-----	1948	(revised)	Canada, Dept. of Mines & Resources, Mines, Forests & Scientific Services Branch, Dominion Forest Service. (also pamphlet)
Wright, J.G.	1942	A lightning protection system for forest lookout structures.	Canada, Dept. of Mines No. 11 & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
	1953	(revised & reprinted)	Canada, Dept. of Resources & Development, Forestry Branch, Forest Research Division.
Beall, H.W.	1946	Forest fire danger tables. (Provisional)	Canada, Dept. of Mines No. 12 & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
-----	1947	(reprinted)	" " "
-----	1948	(2nd edition revised)	Canada, Dept. of Mines & Resources, Mines, Forests & Scientific Services Branch, Dominion Forest Service.
-----	1950	(reprinted)	Canada, Dept. of Resources & Dev., Forestry Branch, Forest Research Division.

Macleod, J.C.	1947	Effect of altitude, length of hose, and head on performance of forest fire pumping units. (Appendix A is reprinted in Mimeo 61-5)	Canada, Dept. of Mines No. 13 & Resources, Lands, Parks & Forests Branch, Dominion Forest Service. (also mimeo 61-5)
-----	1950	(reprinted including Supplements No. 1 & 2)	Canada, Dept. of Resources & Development, Forestry Branch, Forest Research Division. No. 13
-----	1951	Supplement No. 3	" " " "
Macleod, J.C.	1948	The effect of night weather on forest fire danger.	Canada, Dept. of Mines No. 14 & Resources, Mines, Forests & Scientific Services Branch, Dominion Forest Service.
Beall, H.W. & C.J. Lowe	1950	Forest fires in New Brunswick 1938-46	Canada, Dept. of Resources & Development, Forestry Branch, Forest Research Division. No. 15
Chorlton, R.W.	1951	Preparation of visible area maps by field sketching.	Canada, Dept. of Resources & Development, Forestry Branch, Forest Research Division. No. 16
-----	1958	(reprinted)	Canada, Dept. of Nor. Aff. & Nat. Res., Forestry Branch, Forest Research Division.
-----	1959	Cartes de visibilité préparées au moyen de croquis tracés sur le terrain.	Canada, Ministère du Nord canadien et des Ressources nationales, Direction des forêts, Division des recherches sylvicoles. No. 16

End of Series



TECHNICAL NOTES

With the transfer of the Forestry Branch from the Department of Resources and Development to the Department of Northern Affairs & National Resources in 1953 the Forest Fire Research Note Series and Silviculture Research Note Series were discontinued. They were replaced by the Technical Note Series, No. 1 to 123. Publications by the Fire Research staff appeared at random throughout this series beginning with No. 12 and ending with No. 116. They were printed by the letterpress process with a 6½ x 10 inch format. Some of the Technical Notes were published in French as well as English. The series was discontinued and replaced by the Departmental Publication Series in 1963 (Section C).

Technical Note Series

B-1

Tech. Note

Mactavish, J.S.	1955	Slip-on tankers for forest fire suppression.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch, Forest Research Division.	No. 12
Williams, D.E.	1955	Fire hazard resulting from jack pine slash.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch, Forest Research Division.	No. 22
Ward, E.J.	1956	The effect of certain vegetation eradicators on the inflammability of various materials.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch, Forest Research Division.	No. 36
Chrosciewicz, A.	1959	Controlled burning experiments on jack pine sites.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch, Forest Research Division.	No. 72
Williams, D.E.	1959	Fire season severity rating.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch, Forest Research Division.	No. 73
-----	1959	Estimation de la gravité des saisons de feux.	Canada, Ministère du Nord canadien et des Ressources nationales, Direction des forêts, Division des recherches sylvicoles.	No. 73
Mactavish, J.S.	1960	Characteristics of back-pack pumps used in forest fire suppression.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch, Forest Research Division.	No. 85
-----	1960	Caractéristiques des pompes à dos utilisées pour la suppression des feux de forêt.	Canada, Ministère du Nord canadien et des Ressources nationales, Direction des forêts, Division des recherches sylvicoles.	No. 85

## Tech. Note

Macleod, J.C.	1960	A new forestry hose folder - 1961.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch, Forest Research Division.	No. 91
Van Wagner, C.E.	1961	Moisture content and inflammability in spruce, fir and Scots pine Christmas trees.	Canada, Dept. of Forestry, Forest Research Branch.	No. 109
-----	1961	Teneur en humidité et inflammabilité des épinettes, sapins et pins sylvestres employés comme arbres de Noël.	Canada, Ministère des forêts, Direction des recherches forestières.	No. 109
Paul, P.M.	1962	Forest fire danger meter.	Canada, Dept. of Forestry, Forest Research Branch.	No. 116

End of Series

DEPARTMENTAL PUBLICATION SERIES

In 1963 the Technical Note series was discontinued and publications of this type, produced by the fire research staff of the Department of Forestry became part of the Departmental Publication Series which began with No. 1001. This series has appeared in a variety of page sizes, but some retained the 6½ x 10 inch format of the Technical Notes and resemble them in appearance. The letter F after the publication number denotes a French edition of the publication.

In many cases the manuscript also appeared in mimeograph form prior to the formal publication. These formed part of a series of Mimeographed Reports and this series number is noted below the Departmental Publication No. in brackets, e.g. (Pet. 62 - 14). A complete listing of the Mimeograph Reports will be found in Section N.

Departmental Publication Series

				Pbn. No.
Van Wagner, C.E.	1963	Prescribed burning experiments, red and white pine.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1020 (Pet. 62-14)
Williams, D.E.	1963	Forest fire danger manual.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1027
Van Wagner, C.E.	1963	Flammability of Christmas trees.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1034
Van Wagner, C.E.	1963	Inflammabilité des arbres de Noël.	Canada, Ministère des forêts, Direction des recherches forestières.	No. 1034F
Paul, P.M.	1964	Forecasting forest fire danger in the Maritime Provinces.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1047 (63-M-20)
Macleod, J.C.	1964	Planning for forest fire control.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1048
Fraser, D.G.	1964	Extinguishers for fires started by power saws.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1058 (63-H-25)
Williams, D.E.	1964	The influence of isolation on fire hazard in coastal Douglas fir slash.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1060
Muraro, S.J.	1964	Surface area of fine fuel components as a function of weight.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1080 (63-BC-5)
Muraro, S.J.	1964	A method of measuring fire rate-of-spread in extracted samples of ground vegetation.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1081 (63-BC-8)
Muraro, S.J.	1964	Some effects of slope on fire climate.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1089
Mactavish, J.S.	1965	Forest fire danger tables, British Columbia Coast. (Second Edition)	Canada, Dept. of Forestry, Forest Research Branch.	No. 1099 (see also Forest Fire Danger Tables)

Paul, P.M., J.S. Mactavish	1965	Forest fire danger tables, British Columbia Cariboo. (Second Edition)	Canada, Dept. of Forestry, Forest Research Branch.	No. 1101 (see also For. Fire Danger Tables)
Mactavish, J.S.	1965	Economics and forest fire control.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1114 (also paper & 64-H-19)
Anon,	1967	Tables d'évaluation des dangers d'incendie fores- tier au Québec. (Edition provisoire)	Canada, Ministère des forêt et du developpement rural, Institut de recherches sur les feux de forêt.	No. 1119F (see also For. Fire Danger Tables)
Van Wagner, C.E.	1965	Aids to forest fire control planning at Petawawa.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1127
Van Wagner, C.E.	1969	Eléments de base dans l'élaboration d'un plan de protection des forêts contre le feu à Petawawa	Ministère des Pêches et Forêts, Direction générale des forêts.	No. 1127F
Kingston, G.A.	1965	Directory -- forest fire research projects. (1966 - Supplement)	Canada, Dept. of Forestry, Forest Research Branch.	No. 1129
Van Wagner, C.E.	1966	Three experimental fires in jack pine slash.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1146 (also 65-P-4)
Muraro, S.J.	1966	Lodgepole pine logging slash.	Canada, Dept. of Forestry, Forest Research Branch.	No. 1153 (also 64-BC-5)
Muraro, S.J.	1968	Rémanents de pins de Murray	Canada, Ministère des forêts et du développement rural. Direction générale des forêts.	No. 1153F
Anon.	1966	Forest fire danger tables, Maritimes. (First printing - 1957)	Canada, Dept. of Forestry, Forest Research Branch.	No. 1151 (see also For. Fire Danger Tables)

Mactavish, J.S.	1966	Appraising fire damage to mature forest stands.	Canada, Dept. of For. & Rur. Dev., Forestry Branch.	No. 1162 (also 64-H-14 & paper)
Mactavish, J.S.	1968	L'évaluation des dommages causés par les incendies aux peuplements forestiers arrivés à maturité.	Canada, Ministère des forêts et du développement rural. Institut de recherches sur les feux de forêt.	No. 1162F
Fraser, D.G.	1967	The sprayer-duster as a tool for forest fire control.	Canada, Dept. of For. & Rur. Dev., Forestry Branch. F.F.R.I.	No. 1167 (also 65-H-4)
Kourtz, P.H.	1967	Lightning behaviour and lightning fires in Canadian forests.	Canada, Dept. of For. & Rur. Dev., Forestry Branch. F.F.R.I.	No. 1179 (also 65-H-1)
Chrosciewicz, Z.	1967	Experimental burning for humus disposal on clear-cut jack pine sites in Central Ontario.	Canada, Dept. of For. & Rur. Dev., Forestry Branch.	No. 1181
Chrosciewicz, Z.	1969	Brûlage expérimental afin d'éliminer l'humus dans les bûches à blanc de pin gris en Ontario Central.	Ministère des Pêches et des Forêts. Direction générale des forêts.	No. 1181F
Van Wagner, C.E.	1967	Calculations on forest fire spread by flame radiation.	Canada, Dept. of For. & Rural Dev., Forestry Branch.	No. 1185 (also paper)
Anon.	1967	Tables d'évaluation des dangers d'incendie forestier au Québec.	Canada, Ministère des forêts et du développement rural, Institut de recherches sur les feux de forêt.	No. 1194F (see also For. Fire Danger Tables)
Kill, A.D.	1967	Fuel weight tables for white spruce and lodgepole pine crowns in Alberta.	Canada, Dept. of For. & Rur. Dev., Forestry Branch.	No. 1196
Van Wagner, C.E.	1967	Seasonal variation in moisture content of Eastern Canadian tree foliage and the possible effect on crown fires.	Canada, Dept. of For. & Rur. Dev., Forestry Branch.	No. 1204

Anon.	1968	Forest fire danger tables -- Quebec.	Canada, Dept. of Forestry and Rural Development, Forestry Branch.	No. 1226 (see also For. Fire Danger Tables)
Kiil, A.D.	1968	Weight of fuel complex in 70-year-old lodgepole pine stands of different densities.	Canada, Dept. of For. & Rur. Dev., Forestry Branch.	No. 1228 (also paper)
Van Wagner, C.E.	1968	Fire behaviour mechanisms in a red pine plantation. Field and laboratory evidence.	Canada, Dept. of For. & Rur. Dev., Forestry Branch.	No. 1229 (also paper)
Pécl, Gy.	1968	The association between atmospheric humidity and fuel moisture.	Canada, Dept. of For. & Rur. Dev., Forestry Branch. F.F.R.I.	No. 1230 (also paper)
Muraro, S.J.	1968	Prescribed fire -- evaluation of hazard abatement.	Canada, Dept. of For. & Rur. Dev., Forestry Branch.	No. 1231 (also paper)
Kourtz, P.H.	1968	Resource allocation for forest fire control.	Canada, Dept. of For. & Rur. Dev., Forestry Branch. F.F.R.I.	No. 1232 (also paper)
Webb, M.S.	1969	Variability of summer rainfall and its effect upon the areal representativeness of a point observation.	Canada, Dept. of Fisheries and Forestry, Forestry Branch.	No. 1251
Muraro, S.J. and W.L. Cave	1969	Errors in fuel-moisture measurement resulting from grinding in a Wiley Mill.	Canada, Dept. of Fisheries and Forestry, Forestry Branch.	No. 1252
Muraro, S.J.	1970	Slash fuel inventories from 70-mm low-level photography.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service.	No. 1268
Stocks, B.J.	1970	Moisture in the forest floor -- its distribution and movement.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service.	No. 1271
Van Wagner, C.E.	1970	An index to estimate the current moisture content of the forest floor.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service.	No. 1288



## Pbn. No.

Muraro, S.J.	1971	Prescribed-fire impact in cedar-hemlock logging slash.	Canada, Dept. of the Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C.	No. 1295
Turner, J.A.	1972	The Drought Code Component of the Canadian Forest Fire Behaviour System.	Canada, Dept. of the Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C.	No. 1316
Kourtz, P.	1973	A forest fire detection demand model - For scheduling and routing of airborne detection patrols.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	No. 1322
Maloney, J.E.	1973	A summary of the development and applications of an optimizing air-tanker allocation model.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	No. 1324
Van Wagner, C.E.	1974	Structure of the Canadian Fire Weather Index.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	No. 1333

FOREST FIRE RESEARCH LEAFLETS

This series and the companion series Silviculture Research Leaflets were published by the Department of Mines & Resources and later the Department of Resources & Development between the years 1946 to 1952. They were designed to publish the results of short-term research projects. They were produced in a variety of formats, usually 8½ x 11 and normally consisted of only a few pages.

Forest Fire Research Leaflets

## Leaflet

Beall, H.W.	1946	Report on performance of German 10-metre pack-set radio under forest conditions.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.	No. 1
Beall, H.W.	1947	Report on chemicals for forest fire-fighting.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.	No. 2
Beall, H.W.	1947	Smoke generators as aids to forest fire detection.	Canada, Dept. of Mines & Resources, Mines, Forests & Scientific Services Branch, Dominion Forest Service.	No. 3
Beall, H.W.	1947	Coated-lens binoculars for forest lookouts.	Canada, Dept. of Mines & Resources, Mines, Forests & Scientific Services Branch, Dominion Forest Service.	No. 4
Beall, H.W., C.J. Lowe & D.G. Fraser.	1948	Chemicals for forest fire fighting. (second report)	Canada, Dept. of Mines & Resources, Mines, Forests, & Scientific Services Branch, Dominion Forest Service.	No. 5
Chorlton, R.W.	1951	The use of certain chemicals as vegetation eradicators and soil sterilizers.	Canada, Dept. of Resources & Development, Forestry Branch, Forest Research Division.	No. 6
Fraser, D.G.	1952	Polarizing screens and range-finders as aids in forest fire detection.	Canada, Dept. of Resources & Development, Forestry Branch, Forest Research Division.	No. 7

End of Series

MIMEO SERIES

This series originated in 1947 as Silviculture & Management Reports. They were produced by either mimeograph or offset process in an 8½ x 11 inch format. When the Leaflet series was discontinued, Fire Research material that would have appeared in that series was produced in a variety of forms: see Miscellaneous Publications, Section J. In 1961 Fire Research material was included in the S & M Mimeograph Reports which had been re-designated Mimeo Series in 1959 with no change in number sequence. This series was discontinued in 1963.

Mimeo Series

## Mimeo

Fraser, D.G.	1961	Demonstration of an all-purpose dry-powder extinguisher.	Canada, Dept. of Forestry, Forest Research Branch.	61-4
Macleod, J.C.	1961	A performance test for portable fire pumps. (reprinted from Res. Note No. 13).	Canada, Dept. of Forestry, Forest Research Branch.	61-5
Lockman, M.R.	1961	Forest fire detection by lookouts and fixed wing aircraft. (literature review).	Canada, Dept. of Forestry, Forest Research Branch.	61-6
Fraser, D.G.	1961	Survey of equipment available for forest fire protection in Canada in 1960.	Canada, Dept. of Forestry, Forest Research Branch.	61-15
Joly, E.F. & D.G. Fraser	1961	Codes for I.B.M. fire behaviour card used to record small-scale test fire results. (See mimeograph report HO-62-17 for revisions)	Canada, Dept. of Forestry, Forest Research Branch.	61-16
Winkworth, A.V.	1961	Analysis of a fuel type classification questionnaire.	Canada, Dept. of Forestry, Forest Research Branch.	61-18
Williams, D.E.	1962	Report on tests of the water dropping characteristics of Martin Mars air tanker.	Canada, Dept. of Forestry, Forest Research Branch.	62-1
Joly, E.F. & D. G. Fraser	1962	Codes for I.B.M. weather cards used to record fire weather and general climatological data. (See mimeograph report HO-62-17 for revisions)	Canada, Dept. of Forestry, Forest Research Branch.	62-5

End of Series

PAMPHLETS

This group of publications were not part of a numbered series. They consisted of various sized booklets with a formal cover. Current publications of this type would be included in the Departmental Publication Series, Section C, or possibly in Miscellaneous Publications, Section J if un-numbered.

Pamphlets

MacMillan, H.R.	1909	Forest fires in Canada during 1909. (Forestry Branch - Bulletin No. 7).	Canada, Department of the Interior, Forestry Branch.
MacMillan, H.R. & G.A. Gutches	1910	Forest fires in Canada. (Forestry Branch - Bulletin No. 9).	Canada, Department of the Interior, Forestry Branch.
Campbell, R.H.	1911	Forest fires and railways. (Forestry Branch - Bulletin No. 16).	Canada, Department of the Interior, Forestry Branch.
Bathwell, G.E.	1914	Co-operative forest fire protection. (Forestry Branch - Bulletin No. 42).	Canada, Department of the Interior, Forestry Branch.
Dwight, T.W.	1918	Forest fires in Canada 1914-15-16. (Forestry Branch - Bulletin No. 64).	Canada, Department of the Interior, Forestry Branch.
Anon.	1919	Forest fires in Canada 1917. (Forestry Branch - Bulletin No. 68).	Canada, Department of the Interior, Forestry Branch.
Anon.	1920	Forest fires in Canada 1918. (Forestry Branch - Bulletin No. 70).	Canada, Department of the Interior, Dominion Forestry Branch.
Millar, W.N.	1920	Methods of communication adapted to forest protection.	Canada, Department of the Interior, Forestry Branch.
Cameron, D.R.	1924	Forest fire protection in Canada. (Forestry topic No. 2).	Canada, Department of the Interior, Forestry Branch. (also paper).
Anon.	1924	Concours. La semaine de protection des forêts 1924. Essais primés.	Canada, Ministère de L'Intérieur, Service Forestier.
Wright, J.G.	1925	Relative humidity and fire weather.	Canada, Department of the Interior, Forestry Branch.
Wright, J.G.	1931	Preliminary forest-fire hazard tables for rapid drying sites in mixed red and white pine forest. Eastern Ontario and Western Quebec regions.	Canada, Department of the Interior, Division of Forest Protection, Dominion Forest Service.
Wright, J.G.	1937	Preliminary improved fire hazard index tables for pine forests at Petawawa Forest Experiment Station.	Canada, Department of Mines & Resources, Dominion Forest Service.

Beall, H.W.	1937	Forecasting weather and forest-fire hazard from local observations.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service. (also RN 10).
Wright, J.G.	1940	Report on tests of hose pick-up reel.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Beall, H.W.	1940	Report on trip to Glacier Park, Montana, July 30, 1940.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Beall, H.W.	1940	Fire hazard investigations in Riding Mountain and Prince Albert National Parks, 1939.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Wright, J.G.	1940	Performance tests on Paramount Cub Pumper.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Wright, J.G.	1940	A variable stream nozzle for trombone type hand-spray pumps.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Wright, J.G.	1940	The practical value of forest-fire hazard records and forecasts.	Canada, Dept. of Mines & Resources, Lands, Parks and Forests Branch, Dominion Forest Service.
Wright, J.G.	1941	A device for repairing linen fire hose.	Canada, Dept. of Mines & Resources, Lands, Parks and Forests Branch, Dominion Forest Service.
Beall, H.W.	1941	What the forest-fire hazard index means in terms of actual fire conditions in Riding Mountain and Prince Albert National Parks.	Canada, Dept. of Mines & Resources, Lands, Parks and Forests Branch, Dominion Forest Service.
Anon.	1941	Instructions for forest-fire hazard records, Riding Mountain and Prince Albert National Parks.	Canada, Dept. of Mines and Resources, Lands, Parks and Forests Branch, Dominion Forest Service.



Anon.	1941	Instructions for forest-fire hazard records, Banff, Jasper and Waterton Lakes National Parks.	Canada, Dept. of Mines & Resources, Lands, Parks and Forests Branch, Dominion Forest Service.
Anon.	1946	Fire danger measurement and fire experience in New Brunswick, 1938-46.	Canada, Dept. of Mines & Resources, Lands, Parks and Forests Branch, Dominion Forest Service.
Anon.	1947	Fire control plan for the Petawawa Forest Experiment Station, Chalk River, Ontario. (Part One), (Provisional).	Canada, Dept. of Mines & Resources, Lands, Parks and Forests Branch, Dominion Forest Service.
Anon.	1948	Forest fire control plan for P.F.E.S., Chalk River, Ontario.	Canada, Dept. of Mines & Resources, Mines, Forests and Scientific Services Branch, Dominion Forest Service.
Beall, H.W., J.C. Macleod, & A. Potvin.	1949	Forest fire danger in mid-western Canada. (Adapted from Research Note 12).	Canada, Dept. of Mines & Resources, Mines, Forests and Scientific Services Branch, Dominion Forest Service.
Chorlton, R.W.	1950	The Wright hose vulcanizer.	Canada, Dept. of Resources & Development, Forestry Branch, Forest Research Division.
Anon.	1945	Forest-fire protection in Canada.	Canada, Dept. of Mines & Resources, Lands, Parks and Forests, Branch, Dominion Forest Service.
Anon.	1947	Forest fire protection. (Revised and Reprinted).	Canada, Dept. of Mines & Resources, Lands, Parks and Forests Branch, Dominion Forest Service.
Anon.	1949	Forest fire protection. (Revised and Reprinted).	Canada, Dept. of Mines & Resources, Mines, Forests and Scientific Services Branch, Dominion Forest Service.
Anon.	1952	Forest fire protection. (Misc. Pbn. No. 4).	Canada, Dept. of Resources and Development, Forestry Branch, Forest Research Division.

Anon.	1957	Forest fire protection. (Misc. Pbn. No. 4, re- vised and reprinted).	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch, Forest Research Division.
Anon.	1958	Protection contre les feux de forêt. (Publication diverse No. 4).	Canada, Ministère du Nord canadien et des Ressources nationales, Direction des forêts, Division des recherches sylvicoles.

ARTICLES

Articles by members of the fire research staff have appeared in a variety of publications. Although this is intended to be a complete listing to date some items may have been omitted unintentionally. The Institute staff would appreciate receiving information on any such articles.

Many of the articles first were presented as formal papers (Section I) and this is noted in brackets after the periodicals data. In some cases (1962-1965) the manuscript was first prepared in the Mimeograph Report series, Section N. In this case the report number, e.g. HO-62-18, appears in brackets after the periodical data. Some articles were reprinted, after publication in the periodical, for distribution by the Department. Where this was done, the word Reprint appears in brackets after the periodical data. A list of these Reprints appears in Section H.

## Articles

- |                 |      |   |   |
|-----------------|------|---|---|
| Campbell, R.H.  | 1910 | Forest fires and railways.                          | Canadian Forestry Journal, Vol. 6 (3), October 1910, p. 69-74.                  |
| Campbell, R.H.  | 1915 | Making a fire proof forest.                         | Canadian Forestry Journal, Vol. 11 (6), June 1915, p. 95-96.                    |
| Millar, W.N.    | 1916 | Forest telephones and fire protection.              | Canada Lumberman, Vol. 36, No. 17, Sept. 1, 1916, p. 70-72.                     |
| Campbell, R.H.  | 1917 | Ridding "slash" from western lands.                 | Canadian Forestry Journal, Vol. 8 (4), April 1917, p. 1063-1064.                |
| Cameron, D.R.   | 1919 | Fire protection on Crown Lands.                     | Canadian Forestry Journal, Vol. XV, No. 10, Oct. 1919, p. 395-399. (also paper) |
| Campbell, R.H.  | 1921 | Why the prairies are treeless.                      | Canadian Forestry Mag., Vol. 17 (1), Jan. 1921, p. 5-8.                         |
| Millar, W.N.    | 1921 | The forest ranger as a specialist.                  | Canadian Forestry Mag., Vol. XVII, No. 5, May 1921, p. 277-281.                 |
| Millar, W.N.    | 1922 | Protection methods in Canada's forests.             | Canadian Forestry Mag., Vol. XVIII, No. 4, April 1922, p. 711-712; 735-736.     |
| Finlayson, E.H. | 1922 | Spotting fires from look-out stations.              | Canadian Forestry Mag., Vol. XVIII, No. 5, May 1922, p. 763-764.                |
| Millar, W.N.    | 1922 | Specializing in forest protection.                  | Canadian Forestry Mag., Vol. XVIII, No. 5, May 1922, p. 770-772.                |
| Millar, W.N.    | 1922 | Scientific forest protection.                       | Canadian Forestry Mag., Vol. XVIII, No. 6, June 1922, p. 817; 861-862.          |
| Cameron, D.R.   | 1923 | Our 5,779 forest fires cost us \$14,500,000 yearly. | Canadian Forest and Outdoors, Vol. XIX, No. 9, Sept. 1923, p. 571-573; 603.     |
| Cameron, D.R.   | 1923 | Forest fires in Canada.                             | Empire Forestry Journal, Vol. 2, No. 2, Dec. 1923, p. 182-191. (also paper)     |
| Stevenson, H.I. | 1924 | Slash disposal by burning.                          | Pulp & Paper Magazine of Canada, Vol. 22 (25), June 19, 1924, p. 642-644.       |

- |  |      |   |   |
|--|------|---|---|
| Cameron, D.R.                                  | 1925 | Urgent need for better fire protection.   | Canada Lumberman, Vol. 45, No. 1, Jan. 1, 1925, p. 46-48. (also paper)                            |
| Cameron, D.R.                                  | 1926 | Forest fire protection in Canada.   | Pulp & Paper Magazine of Canada, Vol. XXIV, No. 24, June 17, 1926, p. 714-716; 718.               |
| Beall, H.W.                                    | 1928 | The duff hygrometer as an aid to fire weather research.   | The Forestry Chronicle, Vol. IV, No. 3, September, 1928.  |
| Finlayson, E.H.                                | 1929 | Forest protection in Canada.  | Canadian Woodlands Review, Vol. 1, No. 5, Sept. 1929, p. 21-22. (also paper)                      |
| Wright, J.G.                                   | 1930 | The influence of weather on the inflammability of forest fire fuels.  | The Forestry Chronicle, Vol. VI, No. 1, Feb. 1930, p. 40-55. (also paper)                         |
| Wright, J.G.                                   | 1930 | Measuring forest fire hazard: influence of weather on the inflammability of forest fire fuels.                                      | Canadian Forest and Outdoors, Vol. 26, No. 8, Aug. 1930, p. 459-462. (also paper)                 |
| Stevenson, H.I.                                | 1931 | Progress in brush disposal during 1930.   | The Forestry Chronicle, Vol. 7 (2), June 1931, p. 111-113.  |
| MacDonald, D.A.                                | 1932 | The role of the Dominion Forest Service in forest fire protection.  | Pulp & Paper Magazine of Canada, Vol. 33 (New Series) No. 3, May 1932, p. 124.                    |
| Wright, J.G.                                   | 1932 | Forest fire hazard research.  | The Forestry Chronicle, Vol. VIII, No. 3, Sept. 1932, p. 133-151. (also paper)                    |
| Wright, J.G.                                   | 1933 | A plea for forest-fire-hazard research. More accurate measurement of fire hazard will greatly help predict and prepare for trouble. | Pulp & Paper Magazine of Canada, Vol. 34 (New Series), No. 4, Mar. 1933, p. 223-224. (also paper) |
| Falconer, J.G.,<br>J.G. Wright &<br>H.W. Beall | 1933 | The decomposition of certain types of litter under field conditions.  | American Journ. of Botany, Vol. 20, No. 3, Mar. 1933, p. 196-203.                                 |

- |                              |      |   |   |
|------------------------------|------|---|---|
| Beall, H.W.                  | 1934 | A practical test of the accuracy of forest-fire hazard                                  | The Forestry Chronicle, Vol. X, No. 1, Feb. 1934, p. 56-65.   |
| Wright, J.G.<br>& H.W. Beall | 1934 | Seasonal vegetation and forest fire hazard.   | Pulp & Paper Magazine of Canada, Vol. 35, (New Series), No. 5, April 1934, p. 259-261.  |
| Beall, H.W.                  | 1934 | The penetration of rainfall through hardwood and softwood forest canopy.                | Ecology, Vol. XV, No. 4, October 1934, p. 412-415.  |
| Beall, H.W.                  | 1934 | Diurnal and seasonal fluctuation of fire hazard in pine forests.                        | The Forestry Chronicle, Vol. X, No. 4, Dec. 1934, p. 209-225.   |
| Anon.                        | 1936 | Dominion Forest Service protects forests -- Prevention of fire is the critical problem. | Pulp & Paper Magazine of Canada, Woodlands Review Section, Vol. 37, No. 5, Apr. 1936, p. 266-268.                                   |
| MacDonald, D.A.              | 1937 | Forest fires in Canada. Mostly due to careless men. Education key to prevention.        | Pulp & Paper Magazine of Canada, Woodlands Review Section, Vol. 38 (6), May 1937, p. 432.   |
| Wright, J.G.                 | 1937 | Measuring the fire hazard.  | Forest and Outdoors, Vol. 33, No. 9, Sept. 1937, p. 279-280.  |
| Wright, J.G.                 | 1937 | Experiments on the use of chemicals in forest fire suppression.                         | The Forestry Chronicle, Vol. XIII, No. 3, Sept. 1937, p. 458-464. (See also Misc. Fire Res. Pubn.)                                  |
| Mulloy, G.A.                 | 1937 | Save young forests and you save all!  | Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 38 (12), Nov. 1937, p. 830.   |
| Wright, J.G.                 | 1938 | Progress in forest-fire research.   | Journal of Forestry, Vol. 36, No. 10, Oct. 1938, 1092-1094. (also paper)  |
| Anon.                        | 1938 | Forest fire research during 1938.   | News Bulletin of the Empire Forest Depts. for the second half of 1938. Imperial Forestry Institute, University of Oxford, p. 82-84. |

Ellis, G.D. & H.W. Beall	1939	Proposed fire control plans for the New Brunswick limits of the Bathurst Power and Paper Company Limited.	Pulp & Paper Mag. of Canada, Vol. 40, No. 5, April 1939, p. 315-327. (also paper)
Beall, H.W.	1939	Measuring the fire-hazard in prairie forests.	The Forestry Chronicle, Vol. 15, No. 2, June 1939, p. 113-118.
Wright, J.G.	1939	Forest-fire protection.	News Bulletin of Empire Forest Departments for the second half of 1939. Imp. For. Institute & Imp. For. Bureau, Oxford, p. 41-42.
Wright, B.S.	1939	Forest-fire hazard research in New Brunswick -- season 1939.	103rd Annual Report of the New Brunswick Dept. of Lands and Mines, 1939. p. 139-142.
Wright, J.G.	1940	Forest-fire protection.	News Bulletin of Empire Forest Departments for the first half of 1940. Imp. For. Institute and Imp. For. Bureau, Oxford, p. 29.
Wright, J.G.	1940	Forest-fire protection.	News Bulletin of Empire Forest Departments for the second half of 1940. Imp. For. Institute and Imp. Forestry Bureau, Oxford, p. 34.
Wright, J.G.	1940	Sun spots and forest fires in New Brunswick.	The Forestry Chronicle, Vol. XVI, No. 4, Dec. 1940, p. 233-238.
Wright, J.G.	1940	Long-term trends in forest-fire statistics in Canada.	The Forestry Chronicle, Vol. XVI, No. 4, Dec. 1940, p. 239-244.
Wright, J.G.	1941	Analysis of 1940 forest-fire season.	Forest and Outdoors, Vol. 37, No. 5, May 1941, p. 159.
Wright, J.G.	1941	Canada fights fires!	Canadian Business, June 1941, Vol. 14, No. 6, p. 40-41, 122.
MacDonald, D.A.	1941	Forest-fire protection.	News Bulletin of Empire Forest Departments for the first half of 1941. Imp. For. Institute and Imp. For. Bureau, Oxford. p. 26-27.

Anon.	1941	Forest-fire protection.	News Bulletin of Empire Forest Departments for the second half of 1941. Imp. For. Institute and Imp. Forestry Bureau, Oxford. p. 30-31.
Wright, J.G.	1942	Forest-fire protection.	News Bulletin of Empire Forest Departments for 1942. Imp. For. Institute and Imp. For. Bureau, Oxford. p. 36.
Wright, J.G.	1943	Measurement of the degree of shading or crown canopy density in forest sites.	The Forestry Chronicle, Vol. XIX, No. 3, Sept. 1943, p. 183-185.
Wright, J.G.	1944	Forest-fire protection.	News Bulletin of Empire Forest Departments for 1944. Imp. For. Institute and Imp. For. Bureau, Oxford. p. 46-47.
Beall, H.W.	1945	Forest-fire protection.	News Bulletin of Empire Forest Departments for 1945. Imp. For. Inst. and Imp. For. Bureau, Oxford. p. 23.
Beall, H.W.	1946	Wartime influence on fires in Canada.	The Forestry Chronicle, Vol. XXII, No. 1, March 1946, p. 25-29.
Beall, H.W.	1946	Forest fires and fire-hazard records in the Mid-West National Parks.	The Forestry Chronicle, Vol. XXII, No. 2, June 1946, p. 135-137.
Beall, H.W.	1946	There's a way to clip the fangs of fire.	Forest and Outdoors, June 1946, p. 171.
Potvin, A.	1946	We pay too high a price.	Forest and Outdoors, July 1946, p. 208-209.
Macleod, J.C.	1947	Effect of site conditions on hygrometer readings.	The Forestry Chronicle, Vol. XXIII, No. 1, Mar. 1947, p. 9-13.
Potvin, A.	1947	The trail of the torch.	Forest and Outdoors, May 1947, p. 136 & 150.
Potvin, A.	1947	Climate clutches our economic throats.	Forest and Outdoors, June 1947, p. 170 & 183.



- |               |      |   |  |
|---------------|------|---|--|
| Beall, H.W.   | 1947 | Forest fire research.                               | Pulp & Paper Mag. of Canada, Vol. 48, No. 12, Nov. 1947, p. 114-116. (also reprint)  |
| Beall, H.W.   | 1947 | Forest-fire protection.                             | News Bulletin of Empire Forest Departments for 1947. Imp. For. Inst. and Imp. For. Bureau, Oxford. p. 12-13.               |
| Macleod, J.C. | 1948 | Evaporation in rain gauges.                         | The Forestry Chronicle, Vol. XXIV, No. 1, March 1948, p. 87-88.  |
| Potvin, A.    | 1948 | How green is my forest!                             | Forest and Outdoors, Vol. 44 (4), May 1948, p. 8-9.  |
| Beall, H.W.   | 1948 | Forest fire research.                               | News Bulletin of Empire Forest Departments for 1948. Imp. For. Inst. and Imp. For. Bureau, Oxford. No. 10, p. 6.           |
| Potvin, A.    | 1949 | A simple method of dew measurement.                 | The Forestry Chronicle, Vol. 25, No. 1, March 1949, p. 52-53.  |
| Macleod, J.C. | 1949 | Effect of topography on hygrometer readings.        | The Forestry Chronicle, Vol. 25, No. 1, March 1949, p. 32-33.  |
| Beall, H.W.   | 1949 | An outline of forest fire protection standards.     | The Forestry Chronicle, Vol. 25, No. 2, June 1949, p. 82-106. (also reprint)   |
| Macleod, J.C. | 1949 | The measurement of maximum night relative humidity. | The Forestry Chronicle, Vol. 25, No. 2, June 1949, p. 138-140.   |
| Anon.         | 1949 | Forest fire research, 1949.                         | News Bulletin of Empire Forest Departments for 1949. Imp. For. Inst. and Commonwealth For. Bureau, Oxford. No. 11, p. 7-8. |
| Beall, H.W.   | 1950 | Forest fires and the danger index in New Brunswick. | The Forestry Chronicle, Vol. 26, No. 2, June 1950, p. 99-114. (also reprint)   |

- |                 |      |   |  |
|-----------------|------|---|--|
| Anon.           | 1950 | Forest fire research, 1950.   | News Bulletin of Empire Forest Departments for 1950. Imp. For. Institute & Commonwealth Forestry Bureau, Oxford. No. 12, p. 10-11. |
| Doyle, J.A.     | 1951 | A survey of forest fire causes and suggested corrective methods.                          | The Forestry Chronicle, Vol. 27, No. 4, Dec. 1951, p. 335-348. (also paper and reprint)  |
| Anon.           | 1951 | Forest fire research, 1951.   | News Bulletin of Empire Forest Departments for 1951. Imp. For. Inst. and Commonwealth For. Bureau, Oxford. No. 13, p. 8-9.         |
| Williams, D.E.  | 1954 | Water table level as an indicator of drought conditions.                                  | The Forestry Chronicle, Vol. 30, No. 4, Dec. 1954, p. 411-416.   |
| Macleod, J.C.   | 1955 | Forest fire research in the Federal Government.   | Pulp & Paper Mag. of Canada, Vol. 56, No. 10, Sept. 1955, p. 149-153.  |
| Beall, H.W.     | 1955 | Theme address -- Fire. Highlights in the development of forest fire protection in Canada. | The Forestry Chronicle, Vol. 31, No. 4, Dec. 1955, p. 332-337. (also paper)  |
| Macleod, J.C.   | 1956 | Forest fire control plans.  | The Forestry Chronicle, Vol. 32, No. 2, June 1956, p. 197-201. (also reprint and paper)  |
| Macleod, J.C.   | 1956 | Forest fire studies in the Federal Forestry Branch.                                       | Pulp & Paper Mag. of Canada, Vol. 57, No. 10, Sept. 1956, p. 170-172.  |
| MacHattie, L.B. | 1957 | Making the most of weather.   | Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 58, No. 7, June 1957, WR-260-262. (also paper & reprint)               |
| Macleod, J.C.   | 1957 | Research in forest fire control - 1957.   | Pulp & Paper Mag. of Canada, Vol. 58, No. 10, Oct. 1957, p. 189-194.   |
| Fraser, D.G.    | 1958 | Brush control on forest access roads.   | Canada, Dept. of Agric., National Weed Committee, Research Report, Eastern Section, 1958.  |

- |                                     |      |   |   |
|-------------------------------------|------|---|---|
| Fraser, D.G.                        | 1958 | Soil sterilization on forest fireguards.                                | Canada, Dept. of Agric., National Weed Committee, Research Report, Eastern Section, 1958.                                 |
| Williams, D.E.                      | 1958 | Two control-burns in jack pine cut-over.                                | Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 59, No. C, Convention Issue, 1958, WR-332-338. (also reprint) |
| Fraser, D.G.                        | 1958 | Soil sterilants and herbicides in forest fire control.                  | Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 59, No. 5, May 1958, p. 186-191. (also reprint)               |
| Macleod, J.C.                       | 1958 | Co-ordination of forest fire research in Canada.                        | Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 59, No. 9, Sept. 1958, p. 202-204. (also paper)               |
| Fraser, D. G.                       | 1959 | Change in moisture content of fuel samples in sealed and unsealed tins. | The Forestry Chronicle, Vol. 35, No. 3, Sept. 1959, p. 242-243.   |
| Mactavish, J.S.                     | 1960 | A new worry in forest fire control.                                     | Timber of Canada, Vol. 21, No. 6, June 1960, p. 61 & 56. (also reprint)   |
| Macleod, J.C.                       | 1960 | Forestry fire research by the Federal Forestry Branch.                  | Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 61, No. 11, Nov. 1960, WR-157-158. (also reprint)             |
| Williams, D.E.                      | 1960 | Prescribed burning for seedbed preparation in jack pine types.          | Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 61, No. 4, Apr. 1960, p. 194-198. (also paper)                |
| MacHattie, L.B.                     | 1961 | Bellani radiation integrator.   | The Forestry Chronicle, Vol. 37, No. 4, Dec. 1961, p. 315-317.  |
| MacHattie, L.B.<br>& R.J. McCormack | 1961 | Forest microclimate: A topographic study in Ontario.                    | Journal of Ecology, Vol. 49, June 1961, p. 301-323.   |
| Kiil, A.D.<br>& D.G. Fraser         | 1962 | Lightning as a cause of forest fires, a preliminary report.             | Timber of Canada, Vol. 23 (1), Jan. 1962, p. 30-33.   |

Fraser, D.G.	1962	Keep your powder dry.	Fire Fighting in Canada, Vol. 6, No. 4, Aug. 1962, p. 4-5.
Fraser, D.G.	1962	Break the flame chain reaction.	The Forestry Chronicle, Vol. 38, No. 2, June 1962, p. 189-191.
Paul, P.M.	1962	Forest fire weather stations in New Brunswick.	The Double-Bitted Axe, Vol. 8, No. 2, May-August 1962.
Fraser, D.G.	1962	Didymium glasses for smoke detection.	Fire Control Notes, Vol. 23, No. 4, Oct. 1962, p. 118-119. (HO-62-18)
MacHattie, L.B.	1962	Is rainfall generally increased by cloud seeding - a report of the precipitation physics project.	Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 63, No. 7, WR-295, 296, 302, July 1962. (also paper)
Macleod, J.C.	1962	Federal forest fire research.	Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 63, No. 10, WR-414 & 416, Oct. 1962. (also paper)
Williams, D.E.	1962	The effect of exposure on slash inflammability.	Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 63, No. 10, WR-419-420, Oct. 1962. (also paper) (HO-62-27)
Van Wagner, C.E.	1962	On the value of a numerical concept of fire intensity.	Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 63, No. 11, WR-458-459, Nov. 1962. (Pet. 62-15) (also paper)
Mactavish, J.S.	1962	Forest fire damage appraisal in Canada.	Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 63, No. 11, WR-450-451, Nov. 1962. (also paper) (HO-62-25)
Van Wagner, C.E.	1962	Christmas trees like water.	Fire fighting in Canada, Vol. 6 (6), Dec. 1962, p. 16.
Williams, D.E.	1963	Fire danger rating and fire experience in the Cariboo.	B.C. Lumberman, 47 (3), Mar. 1963, p. 12,14,16,18. (also reprint) (B.C. 62-2)

- |                                |      |   |   |
|--------------------------------|------|---|---|
| MacHattie, L.B. & K.W. Horton  | 1963 | Influences of micro-climates on mortality and growth of planted white spruce, jack pine and white pine. | The Forestry Chronicle, Vol. 39, No. 3, Sept. 1963, p. 301-312.                         |
| Adams, J.L.                    | 1963 | The use of hydrogen-filled balloons for the measurement of speed and direction of light winds.          | Fire Control Notes, Vol. 24, No. 3, July 1963, p. 59-62. (HO-62-29) (also reprint)      |
| MacHattie, L.B.                | 1963 | Winter injury of lodgepole pine foliage.  | Weather Magazine, Vol. 18, Oct. 1963, p. 301-307, (also reprint)                        |
| Péché, Gy.                     | 1964 | A practical thermo-couple shield.   | The Forestry Chronicle, Vol. 40, No. 2, June 1964, p. 184-196.                          |
| Mactavish, J.S. & M.R. Lockman | 1964 | Some notes on recent trends in forest fire fighting.  | Fire Fighting in Canada, Vol. 8, No. 3, June 1964, p. 22.                               |
| Van Wagner, C.E.               | 1964 | History of a small crown fire.  | The Forestry Chronicle, Vol. 40 (2), June 1964, p.202-205, 208-209. (63-P-4)            |
| Chester, G.S. & E.J. Hopkins   | 1964 | An unusual potential cause of forest fires.   | Fire Control Notes, Vol. 25, No. 3, July 1964, p. 12&15. (63-0-15) (also reprint)       |
| Muraro, S.J.                   | 1964 | Prescribed burning in the interior wet belt.  | B.C. Lumberman, Vol. 48(8), Aug. 1964, p. 28. (64-BC-1)                                 |
| Fraser, D.G.                   | 1964 | Forest fire control aircraft in Canada.   | Journal of the Royal Aeronautical Society, Vol. 68, Aug. 1964, p. 546-552. (also paper) |
| Muraro, S.J.                   | 1964 | Stabilization of slash fuel samples.  | Fire Control Notes, Vol. 25, No. 4, Oct. 1964, p. 12-13. (64-BC-2)                      |
| Vézina, P.E. & Gy. Péché       | 1964 | Solar radiation beneath conifer canopies in relation to crown closure.                                  | Forest Science, Vol. 10, No. 4, December 1964, p. 443-451. (also reprint)               |

Chester, G.S.	1965	A method of preparing an edge-punched card literature reference file.	The Forestry Chronicle, Vol. 41, No. 2, June 1965, p. 207-214. (63-H-11) (also reprint)
Macleod, J.C.	1965	Forest protection - some activities in 1964.	Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 66, No. 7, WR-320-321, July 1965. (65-H-3)
Anon.	1965	Canadian infra-red scanner.	Fire Control Notes, Vol. 26, No. 3, July 1965, p. 4.
Van Wagner, C.E.	1965	Story of an intense crown fire at Petawawa.	Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 66, No. 8, WR-358-361, Aug. 1965.
MacHattie, L.B.	1965	Radiation screens for air temperature measurement.	Ecology, Vol. 46, No. 4, Early Summer 1965, p. 533-538. (also reprint) (64-H-5)
Van Wagner, C.E.	1965	Describing forest fires - old ways and new.	The Forestry Chronicle, Vol. 41, No. 3, Sept. 1965, p. 301-305. (also reprint)
Van Wagner, C.E.	1965	The effect of the earth's curvature in visibility mapping.	Fire Control Notes, Vol. 26, No. 4, Oct. 1965, p. 10-11. (64-P-16)
Kiil, A.D.	1965	Weight and size distribution of slash of white spruce and lodgepole pine.	The Forestry Chronicle, Vol. 41, No. 4, Dec. 1965, p. 432-437. (also reprint) (65-A-5)
Chester, G.S.	1966	Forest fire control - some modern aspects.	The Forestry Chronicle, Vol. 42, No. 1, Mar. 1966, p. 59-61. (also reprint)
Kourtz, P.H.	1966	Scheduling aircraft for forest fire detection.	Fire Control Notes, Vol. 27, No. 3, July 1966, p. 9-11, 14. (64-H-17)
Williams, D.E.	1966	Detecting forest fires by airborne infra-red electronics.	Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 67, No. 12, WR-585-587, Dec. 1966. (also paper)

- |                             |      |   |   |
|-----------------------------|------|---|---|
| Williams, D.E.              | 1966 | Slash burning research.   | British Columbia, Lumberman, Vol. 50, No. 6, June 1966, p. 32-34, 36, 38, 40-41. (also reprint)                   |
| Williams, D.E.              | 1966 | Future application of meteorology in fire control.  | The Forestry Chronicle, Vol. 43, No. 1, Mar. 1967, p. 89-92. (also paper and reprint)                             |
| Macleod, J.C.               | 1967 | Detection and control of forest fires. Recent developments in techniques and research.            | Pulp and Paper Magazine of Canada, Woodlands Review Section, Vol. 68, No. 3, WR-118-126, March 1967. (also paper) |
| Macleod, J.C.               | 1967 | Problems, problems, problems, in forest protection.   | Pulp & Paper Mag. of Canada, Woodlands Review Section, Vol. 68, No. 6, WR-274-277, June 1967. (also paper)        |
| Walker, J.D. & B.J. Stocks  | 1968 | Thermocouple errors in forest fire research.  | Fire Technology, Feb. 1968, Vol. 4 (1), p. 59-62.   |
| Van Wagner, C.E.            | 1968 | Line intersect method in forest fuel sampling.  | Forest Science, March 1968, Vol. 14 (1), p. 20. (also PS-1)   |
| Kourtz, P.K.                | 1968 | Computers and forest fire detection.  | The Forestry Chronicle, April 1968, Vol. 44 (2), p. 22. (also paper & reprint)                                    |
| MacHattie, L.B.             | 1968 | Kananaskis Valley winds in summer.  | Journal of Applied Meteorology, Vol. 7 No. 3, June 1968, p. 348-352. (also reprint and FF-4)                      |
| Turner, J.A.                | 1968 | Standard deviation of wind direction estimated from direct observations of a sensitive wind vane. | Journal of Applied Meteorology, Vol. 7, No. 4, Aug. 1968, p. 714-715.   |
| Kourtz, P.H. & W.G. O'Regan | 1968 | A cost-effectiveness analysis of simulated forest fire detection systems.                         | Hilgardia, Vol. 39 (12), August, 1968, p. 341-366.  |
| Henderson, R.C. & R.K. King | 1968 | Sprinkler system eases control of prescribed fires.   | The Truck Logger, Vol. 24 (9), Sept. 1968,  |

Henderson, R.C.	1968	Logging block layout -- dual responsibility.	Truck Logger Vol. 24(9), Sept. 1968, p. 24-25.
Webb, M.S.	1968	Areal rainfall variability and its effect upon forest fire danger rating.	The Forestry Chronicle, October 1968, Vol. 44 (5), p. 32 (also reprint)
Kiil, A.D.	1969	Fuel consumption by a prescribed burn in spruce-fir logging slash in Alberta.	The Forestry Chronicle, Vol. 45 (2), April, 1969, p. 100-102. (also reprint)
Van Wagner, C.E.	1969	A simple fire-growth model.	The Forestry Chronicle, Vol. 45 (2), April, 1969, p. 103-104.
Péché, Gy.	1969	The relevance of current hazard stick reading to the moisture content of logging slash.	The Forestry Chronicle, Vol. 45 (2), April 1969, p. 107-113. (also reprint)
Howard, E.W.	1969	Prescribed burning: new tool in forest management.	The Newfoundland Journal of Commerce, May 1969, p. 13.
Simard, A.J.	1969	Study of the feasibility of a Canada-wide airtanker fleet.	Pulp & Paper Magazine of Canada, Vol. 70 (12), June 20, 1969, p. 83-86. (also paper and reprint)
Hodgson, B.S.	1969	Airtanker tested for drop pattern.	Fire Control Notes, Vol. 30 (3), Summer, 1969, p. 13-14.
MacHattie, L.B.	1969	Modern meteorological services and forest fire control.	Pulp & Paper Magazine of Canada, Vol. 70 (16), August 15, 1969, p. 87-89. (also paper)
Williams, D.E.	1969	Economics of forest fire control.	Pulp & Paper Magazine of Canada, Vol. 70 (12), September 5, 1969, p. 97-98. (also paper)
Van Wagner, C.E.	1969	Drying rates of some fine forest fuels.	Fire Control Notes, Vol. 30 (4), Fall, 1969, p. 5, 7, 12.
Henderson, R.C.	1969	Slash burning under scrutiny.	The Truck Logger, Vol. 25 (4), July-Aug. 1969, p. 18-19.
Lafferty, R.R.	1970	Blazing the way for the ideal burn.	The Truck Logger, Vol. 26 (4), July-Aug., 1970, p. 27.



- |                                |      |   |   |
|--------------------------------|------|---|---|
| Henderson, R.C.                | 1969 | Slash burning under scrutiny.   | The Truck Logger, Vol. 25 (4), July-Aug. 1969, p. 18-19.                        |
| Turner, J.A.                   | 1970 | Hours of sunshine and fire season severity over the Vancouver Forest District.                        | The Forestry Chronicle, Vol. 46(2), April 1970, p. 106-111.                     |
| Lafferty, R.R.                 | 1970 | Blazing the way for the ideal burn.   | The Truck Logger, Vol. 26 (4), July-Aug. 1970, p. 16, 17, 40.                   |
| Muraro, S.J.                   | 1970 | Solid fuel aid to slash burning.  | The Truck Logger, Vol. 26 (4), July-Aug. 1970, p. 36.                           |
| MacHattie, L.B.                | 1970 | Kananaskis Valley temperatures in summer.   | Journal of Applied Meteorology, Vol. 9(4), Aug. 1970, p. 574-582 (also reprint) |
| Kiil, A.D. and Z. Chrosciewicz | 1970 | Prescribed fire - its place in reforestation.   | The Forestry Chronicle, Vol. 46(6), Dec. 1970, p. 448.                          |
| Walker, J.D.                   | 1971 | Computer training of forest fire personnel.   | The Forestry Chronicle, Vol. 47(2), April 1971, p. 94.                          |
| Kourtz, P.H. and W.G. O'Regan  | 1971 | A model for a small forest fire -- to simulate burned and burning areas for use in a detection model. | Forest Science, Vol. 17(2), June 1971, p. 163-169.                              |
| Kiil, A.D.                     | 1971 | Estimating weights of tree components of lodgepole pine from large-scale aerial photographs.          | Canadian Journal of Forest Research, Vol. 1(3), Sept. 1971, p. 193-194.         |
| Anon                           | 1972 | Forest fire losses high for season.   | The Truck Logger, Vol. 28 (1), Jan. 1972, p. 69.                                |
| Van Wagner, C.E.               | 1972 | Duff consumption by fire in eastern pine stands.  | Canadian Journal of Forest Research, Vol. 2(1), March 1972, p. 34-39.           |

Muraro, J.S.	1972	Blast that fire line.	British Columbia Lumberman, Vol. 56(8), Aug. 1972, p. 33-35.
Kourtz, P.H. and S. Nozaki	1972	Computers help plot area seen maps.	Fire Control Notes, Vol. 33(4), Fall 1972, p. 14.
Kourtz, P.H.	1972	Probability makes fire danger index more reliable.	Fire Control Notes, Vol. 33(4), Fall 1972, p. 11-12.
Grigel, J.E.	1972	Airtanker simulation model	Forestry Report, Vol. 2(1), July 1972, p. 8.
Grigel, J.E.	1972	Modification of chemical injection in the PBY-Canso air- tanker	Forestry Report, Vol. 2(1), July 1972, p. 6.
Grigel, J.E.	1972	Portable helitanker retardant systems for the Yukon.	Forestry Report, Vol. 2(1), July 1972, pp. 3-4.
Lait, G.R.	1972	Aerial ignition: a new tool in wildfire control.	Forestry Report, Vol. 2(1), July 1972, p. 8.
Lait, G.R. and D. Quintilio	1972	Portable video system: a new research aid.	Forestry Report, Vol. 2(1), July 1972, p. 7.
Lieskovsky, R.J.	1972	B-26 airtanker airdrop tests with liquid concentrate.	Forestry Report, Vol. 2(1), July 1972, p. 4.
Lieskovsky, R.J.	1972	PBY-Canso airdrop tests with Gelgard retardants.	Forestry Report, Vol. 2(1), July 1972, p. 5.
Lieskovsky, R.J.	1972	Sikorsky S58T drop tests with Phos-Chek retardant.	Forestry Report, Vol. 2(1), July 1972, p. 6.
Niederleitner, J.	1972	Forest fire detection in the process of change.	Forestry Report, Vol. 2(1), July 1972, p. 2.

- |                                   |      |   |  |
|-----------------------------------|------|---|--|
| Anon.                             | 1973 | Mapping burned-over forests.  | Forestry Report, Vol. 3(3), Oct. 1973, p. 9.   |
| Van Wagner, C.E.                  | 1973 | Forest fire in the parks.   | The Journal of the National Provincial Parks Association of Canada, June 1973, p. 25-31. |
| Kourtz, P.                        | 1973 | Lightning sensors tested.   | Fire Management, Vol. 34(3), Summer 1973, p. 12.   |
| Van Wagner, C.E.                  | 1973 | Height of crown scorch in forest fires.   | Canadian Journal of Forest Research, Vol. 3(3), Sept. 1973, p. 373-398.                  |
| Little, E.C.                      | 1973 | Foolproof timer measures rate of fire spread.                                       | Fire Management, Vol. 34(4), Fall 1973, p. 10-11.  |
| Kourtz, P.                        | 1974 | Canadian delegation reviews U.S.S.R. forest fire control.                           | Fire Management, Vol. 35(2), Spring 1974, p. 23-24.                                      |
| Methven, I.R.<br>and W. G. Murray | 1974 | Using fire to eliminate understory balsam fir in pine management.                   | The Forestry Chronicle, Vol. 50(2), April 1974, p. 77-79.                                |
| Van Wagner, C.E.                  | 1974 | Effect of duff weight on drying rate.   | Bi-Monthly Research Notes, Vol. 30(2), March-April 1974, p. 11-12.                       |
| Chrosciewicz, Z.                  | 1974 | Evaluation of fire produced seedbeds for jack pine regeneration in central Ontario. | Canadian Journal of Forest Research, Vol. 4(4), Dec. 1974, p. 455-457.                   |
| Goldrup, B.T.<br>and G. A. Jordan | 1974 | Computerized fire weather forecasting in Atlantic Canada.                           | The Forestry Chronicle, Vol. 50(4), Aug. 1974, p. 146.                                   |

REPRINTS

This is a listing of articles which were reprinted, after publication in a periodical, for distribution by the Department. All titles in this section therefore also appear in Section G. They may also appear in Section I, Papers or Section N, Mimeograph Reports as explained on the introductory page of Section G.

Reprints

Beall, H.W.	1947	Forest fire research.	Pulp and Paper Magazine of Canada, Vol. 48, No. 12, November 1947.
Beall, H.W.	1949	An outline of forest fire protection standards.	The Forestry Chronicle, Vol. 25, No. 2, June 1949.
Beall, H.W.	1950	Forest fires and the danger index in New Brunswick.	The Forestry Chronicle, Vol. 26, No. 2, June 1950.
Doyle, J.A.	1951	A survey of forest fire causes and suggested corrective methods.	The Forestry Chronicle, Vol. 27, No. 4, December 1951.
Macleod, J.C.	1956	Forest fire control plans.	The Forestry Chronicle, Vol. 32, No. 2, June 1956.
MacHattie, L.B.	1957	Making the most of weather.	Pulp and Paper Magazine of Canada, Woodlands Review Section, Vol. 58, No. 7, June 1957.
Williams, D.E.	1958	Two control-burns in jack pine cut-over.	Pulp and Paper Magazine of Canada, Woodlands Review Section, Vol. 59, No. C, Convention Issue 1958.
Fraser, D.G.	1958	Soil sterilants and herbicides in forest fire control.	Pulp and Paper Magazine of Canada, Woodlands Review Section, Vol. 59, No. 5, May 1958.
Mactavish, J.S.	1960	A new worry in forest fire control.	Timber of Canada, Vol. 21, No. 6, June 1960.
Macleod, J.C.	1960	Forestry fire research by the Federal Forestry Branch.	Pulp and Paper Magazine of Canada, Woodlands Review Section, Vol. 61, No. 11, November 1960.
MacHattie, L.B. & R. J. McCormack	1961	Forest microclimate: a topographic study in Ontario.	Journal of Ecology, Vol. 49, June 1961.
Williams, D.E.	1963	Fire danger rating and fire experience in the Cariboo.	B.C. Lumberman, Vol. 47, No. 3, March 1963.

Adams, J.L.	1963	Wind measurement with hydrogen-filled balloons.	Fire Control Notes, July, 1963, Vol. 24 (3).
MacHattie, L.B.	1963	Winter injury of lodgepole pine foliage.	Weather Magazine, Royal Meteorological Society, Vol. 18, October 1963.
Chester, G.S. & E.J. Hopkins	1964	An unusual potential cause of forest fires.	Fire Control Notes, Vol. 25, No. 3, July, 1964.
Vézina, P.E. & Gy. Péch	1964	Solar radiation beneath conifer canopies in relation to crown closure. (Forest Research Branch Contribution No. 628).	Forest Science, Vol. 10, No. 4, Dec. 1964.
Chester, G.S.	1965	A method of preparing an edgepunched card literature reference file.	The Forestry Chronicle, Vol. 41, No. 2, June 1965.
Van Wagner, C.E.	1965	Story of an intense crown fire at Petawawa.	Pulp and Paper Magazine of Canada, Woodlands Review Section, Vol. 66, No. 8, June 1965.
MacHattie, L.B.	1965	Radiation screens for air temperature measurement.	Ecology, Vol. 46, No. 4, Early Summer 1965.
Van Wagner, C.E.	1965	Describing forest fires -- old ways and new.	The Forestry Chronicle, Vol. 41, No. 3, September 1965.
Van Wagner, C.E.	1965	The effect of the earth's curvature in visibility mapping.	Fire Control Notes, Vol. 26, No. 4, October 1965.
Kiil, A.D.	1965	Weight and size distribution of slash of white spruce and lodgepole pine.	The Forestry Chronicle, Vol. 41, No. 4, December 1965.
Chester, G.S.	1966	Forest fire control -- some modern aspects.	The Forestry Chronicle, Vol. 42, No. 1, March 1966.
Williams, D.E.	1966	Slash-burning research.	British Columbia Lumberman, Vol. 50, No. 6, June, 1966.
Williams, D.E.	1967	Future application of meteorology in fire control.	The Forestry Chronicle, Vol. 43 (1), March 1967.

Kourtz, P.H.	1968	Computers and forest fire detection.	The Forestry Chronicle, Vol. 44(2), April 1968.
MacHattie, L.B.	1968	Kananaskis Valley winds in summer.	Journal of Applied Meteorology, Vol. 7, No. 3, June 1968.
Chrosciewicz, Z.	1968	Drought conditions for burning raw humus on clear-cut jack pine sites in central Ontario.	The Forestry Chronicle, Vol. 44, No. 5, October 1968.
Webb, M.S.	1968	Areal rainfall variability and its effect upon forest fire danger rating.	The Forestry Chronicle, Vol. 44, No. 5, October 1968.
Kiil, A.D.	1969	Fuel consumption by a prescribed burn in spruce-fir logging slash in Alberta.	The Forestry Chronicle, Vol. 45, No. 2, April 1969.
Pech, Gy.	1969	The relevance of current hazard stick reading to the moisture content of logging slash.	The Forestry Chronicle, Vol. 45(2), April 1969.
Simard, A.J.	1969	Study of the feasibility of a Canada-wide airtanker fleet.	Pulp and Paper Magazine of Canada, Vol. 70(12), June 20, 1969.
Hodgson, B.S.	1969	Airtanker tested for drop pattern.	Fire Control Notes, Vol. 30, No. 3, Summer, 1969.
MacHattie, L.B.	1970	Kananaskis Valley temperatures in summer.	Journal of Applied Meteorology, Vol. 9, No. 4, August, 1970.
Van Wagner, C.E.	1973	Height of crown scorch in forest fires.	Canadian Journal of Forest Research, Vol. 3(3), 1973.

PAPERS

This is a listing of papers presented at various meetings by members of the fire research staff. In many cases the paper also appeared as an article in a periodical. This is noted in brackets after the departmental affiliation data. In some cases reprints were also obtained for departmental distribution and this is noted after the Department name. A numbered series of five Forest Fire Hazard Papers was published in the early 1930's. This series was a fore-runner of the Fire Research Notes. Some of these papers were presented at meetings, others apparently were not, but the five are included in this listing. From 1962 to 1964 many of the manuscripts were reproduced in the Mimeograph Report series, Section N, and this number also is shown in brackets after the Department, e.g. HO-62-27.



Papers

Cameron, D.R.	1919	Fire protection on Crown Lands. Address before the Western Forestry and Conservation Association. Portland, Oregon, October 6, 1919.	Canada, Dept. of the Interior, Forestry Branch. (also article)
Cameron, D.R.	1923	Forest fire protection in Canada. Paper presented at the Second British Empire Forestry Conf., held in Canada, July 25 to Sept. 7, 1923.	Canada, Dept. of the Interior, Forestry Branch. (also article)
Cameron, D.R.	1924	Forest fire protection in Canada. Forestry topic No. 2. Paper presented at the British Association for the Advancement of Science, Toronto, August 13, 1924.	Canada, Dept. of the Interior, Forestry Branch. (also pamphlet)
Cameron, D.R.	1925	Urgent need for better fire protection. Paper read before the British Assoc. for the Advancement of Science.	Canada, Dept. of the Interior, Forestry Branch (also article)
Cameron, D.R.	1928	Forest fire protection in Canada: progress since 1923. Paper presented at the Third British Empire Forestry Conf., Australia & New Zealand, 1928.	Canada, Dept. of the Interior, Forestry Branch.
Stevenson, Col. H.I.	1928	Aircraft in Forestry. Containing air operations for forest fire protection. Paper presented at the Third British Empire Forestry Conf., held in Australia and New Zealand, Aug. to Oct., 1928.	Canada, Dept. of the Interior, Forest Service.
Finlayson, E.H.	1929	Forest protection in Canada. Paper read at the annual meeting of the Canadian Manufacturers' Association, Halifax, June 1929.	Canada, Dept. of the Interior, Forestry Branch. (also article)

- |               |      |  |   |
|---------------|------|--|---|
| Wright, J.G.  | 1930 | The influence of weather on the inflammability of forest fire fuels. A paper delivered before the Canadian Society of Forest Engineers, 30 Jan., 1930. Being a summary progress report on "fire weather" research studies conducted at the Petawawa (Ont.) Forest Experiment Station during the season 1929. (Forest Fire Hazard Paper No. 1). | Canada, Dept. of the Interior, Forest Service. (also article)                           |
| Wright, J.G.  | 1930 | Measuring forest fire hazard: influence of weather on the inflammability of forest fire fuels. A paper read at the Quebec Convention of the Canadian Forestry Association, 1930.   | Canada, Dept. of the Interior, Dominion Forest Service. (also article)                  |
| Wright, J.G.  | 1932 | Forest fire hazard research. Paper delivered at Toronto Univ., March 17, 1932.   | Canada, Dept. of the Interior, Dominion Forest Service. (also article)                  |
| Wright, J.G.  | 1932 | Forest fire hazard research as developed and conducted at the P.F.E.S. (Forest Fire Hazard Paper No. 2).   | Canada, Dept. of the Interior, For. Serv., Division of Forest Protection. (also FF-X-5) |
| Wright, J.G.  | 1933 | A plea for forest-fire hazard research; more accurate measurement of fire hazard will greatly help predict and prepare for trouble. Paper presented at the C.P.P.A. Woodlands Section - Ann. Mtg., 1933.   | Canada, Dept. of the Interior, Dominion Forest Service. (also article)                  |
| Wright, J.G.  | 1933 | Forest fire hazard tables for mixed red and white pine forests, Eastern Ontario and Western Quebec Regions. (Forest Fire Hazard Paper No. 3).  | Canada, Dept. of the Interior, For. Serv., Division of Forest Protection.               |
| Cameron, D.R. | 1933 | The forest fire problem. Paper presented at the Fifth Pacific Science Congress, Canada, 1933 - Proceedings, Vol. 3, p. 1649-1654, 1934.  | Canada, Dept. of the Interior, Dominion Forest Service.                                 |

Wright, J.G.	1934	Preliminary instructions for using the forest-fire hazard slide rule. (Forest Fire Hazard Paper No. 4).	Canada, Dept. of the Interior, For. Serv. Division of Forest Protection.
MacDonald, D.A.	1935	Forest fire protection in Canada. Paper presented at the Fourth British Empire Forestry Conf., held in South Africa, Sept. 1935.	Canada, Dept. of the Interior, For. Serv., Division of Forest Protection.
Wright, J.G.	1935	Forest fire research as applied to forest protection. (Forest Fire Hazard Paper No. 5).	Canada, Dept. of the Interior, For. Serv., Division of Forest Protection.
Wright, J.G.	1935	Research in forest fire protection. Paper presented at the Annual Mtg. of the Quebec Association of Forest Engineers. December 18-19, 1935.	Canada, Dept. of the Interior, For. Serv., Div. of Forest Protection. (also R.N. No. 1)
Wright, J.G.	1938	Progress in forest-fire research. Paper presented at the joint meeting of the C.S.F.E. and the Society of American Foresters, Ottawa, June 1938. Paper was also delivered before the American Assoc. for the Advancement of Science, 1938.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Br., Dom. For. Serv. (also article)
Ellis, G.D. and H.W. Beall	1939	Proposed fire control plans for the New Brunswick Limits of the Bathurst Power and Paper Company, Limited. Paper presented at the Annual Meeting of the Woodlands Section, Canadian Pulp and Paper Association, Jan. 25-27, 1939. (Woodlands Section Index 488, F-3).	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Br., Dom. For. Serv. (also article)
Anon.	1939	Forest Protection. (Lecture Notes No. 5). Paper prepared for the National Forestry Program, Dominion Section.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Br., Dom. For. Serv.
Wright, J.G.	1940	Forest fire research. Address presented at the Annual Luncheon of the Canadian Institute of Surveying, 1940.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Br., Dom. For. Serv.

- |                |      |  |  |
|----------------|------|--|--|
| Wright, J.G.   | 1943 | The application of meteorology to forest fire protection. Paper read before a joint meeting of the Royal Meteorological Society, Cdn. Br., and the Cdn. Soc. of Forest Engineers, Southern Section, at Toronto, October 4, 1943. | Canada, Dept. of Mines & Resources, Lands, Parks & Forests Br., Dom. For. Serv. (also misc. pubn.) |
| Wright, J.G.   | 1944 | The effect of forest fires in the Ottawa Valley. Paper used in debate before the Ottawa Section of the C.S.F.E., March 13, 1944.   | Canada, Dept. of Mines & Resources, Lands, Parks & Forests Br. Dom. For. Serv.                     |
| Beall, H.W.    | 1947 | Research in the measurement of forest fire danger. Paper presented to the Fifth British Empire Forestry Conf. held in Great Britain, 1947.   | Canada, Dept. of Mines & Resources, Lands, Parks & Forests Br., Dom. For. Serv. (also FF-X-8)      |
| Beall, H.W.    | 1949 | Some modern aspects of forest fire control in Canada. Paper presented at the United Nations Scientific Conf. on the Conservation & Utilization of Resources, May 15, 1949.   | Canada, Dept. of Mines & Resources, Lands, Parks & Forests Br., Dom. For. Serv.                    |
| Beall, H.W.    | 1950 | Forest fire protection standards. Paper given at the Annual Meeting of the Woodlands Section CPPA, March 23-24, 1950. (Woodlands Section Index No. 1089 F-31).   | Canada, Dept. of Resources & Dev., Forestry Branch, Forest Prot. Div.                              |
| Beall, H.W.    | 1950 | Development and application of forest-fire protection plans. Paper presented at a meeting of the Foresters' Club, Univ. of Toronto, January 24, 1950.  | Canada, Dept. of Resources & Dev., Forestry Branch, Forest Prot. Div.                              |
| Chorlton, R.W. | 1951 | Correlation analysis as applies in fire hazard research. Paper presented at a meeting about correlation analysis at P.F.E.S., October 1951.  | Canada, Dept. of Resources & Dev., Forestry Branch, Forest Prot. Div.                              |

- |                 |      |   |   |
|-----------------|------|---|---|
| Beall, H.W.     | 1955 | Theme address -- Fire. Highlights in the development of forest fire protection in Canada. Opening address on Forest Fire Protection, Annual Mtg., C.I.F., Saskatoon, Sask., October 5, 1955.                    | Canada, Dept. of Nor. Affairs and Nat. Resources, Forestry Branch. (also article)                         |
| Macleod, J.C.   | 1955 | Forest fire control plans. Paper presented at the Annual Mtg. of the Cdn. Institute of Forestry, Saskatoon, Saskatchewan, October 5-7, 1955.  | Canada, Dept. of Nor. Affairs and Nat. Resources, Forestry Branch, For. Prot. Div. (article & reprint)    |
| MacHattie, L.B. | 1957 | Topoclimatology and the representativeness of observations. Paper presented at the Fourth National Meeting, Royal Meteorological Society, CDN. Br., Toronto, November 9, 1957.                                  | Canada, Dept. of Nor. Affairs and Nat. Resources, Forestry Branch, For. Research Div.                     |
| MacHattie, L.B. | 1957 | Making the most of the weather. Paper presented at the Annual Meeting of the Woodlands Section, CPPA, held in Montreal, Quebec, March 26,27,28, 1957.   | Canada, Dept. of Nor. Affairs and Nat. Resources, Forestry Branch, For. Research Div. (article & reprint) |
| Macleod, J.C.   | 1958 | Notes on control burning. Presented at the Nfld. Research Comm., Symposium on Prescribed Burning in Forestry, Agriculture and Wildlife Management, Memorial University, March 25,26, 1958.                      | Canada, Dept. of Nor. Affairs and Nat. Resources, Forestry Branch, For. Research Div.                     |
| Macleod, J.C.   | 1958 | Co-ordination of forest fire research in Canada. 2nd Nat. Forest Fire Research Conf., Dorset, Ont. Aug. 6-8, 1958, in report of the Forest Fire Research Conf. of the Woodlands Section, CPPA, Dec. 1958.       | Canada, Dept. of Nor. Affairs and Nat. Resources, Forestry Branch, For. Research Div. (also article)      |
| MacHattie, L.B. | 1958 | Lightning and forest fires. Paper presented at the 2nd Nat. Forest Fire Research Conf., Dorset, Ont. Aug. 6-8, 1958, in report of the Forest Fire Research Conf. of the Woodlands Section, CPPA, December 1958. | Canada, Dept. of Nor. Affairs and Nat. Resources, Forestry Branch, For. Res. Div.                         |

- |                 |      |   |  |
|-----------------|------|---|--|
| MacHattie, L.B. | 1960 | The application of meteorology to forestry. Paper presented to the Dept. of Transport personnel at Toronto, March 4, 1960.  | Canada, Dept. of Nor. Affairs and Nat. Resources, Forestry Branch, For. Research Div.                |
| Williams, D.E.  | 1960 | Prescribed burning for seed-bed preparation in jack pine types. Paper presented at the Annual Meeting of the Woodlands Section, C.P.P.A., held in Montreal, Que., Mar. 22,23,24, 1960.  | Canada, Dept. of Nor. Affairs and Nat. Resources, Forestry Branch, For. Research Div. (also article) |
| Macleod, J.C.   | 1960 | Research in forest fire control. Proceedings - 5th World Forestry Congress G.P./55/III/D - Canada, August 29-Sept. 10, 1960, Seattle, Washington.   | Canada, Dept. of Nor. Affairs and Nat. Resources, Forestry Branch, For. Research Div.                |
| Williams, D.E.  | 1961 | British Columbia fire danger tables. Paper presented at the Fourth National Forest Fire Research Conference held at Nanaimo, B.C., April 25, 26, 27, 1961. Woodlands Section Index No. 2085 (F-3).  | Canada, Dept. of Forestry, For. Research Br.   |
| Macleod, J.C.   | 1961 | Discussing forest fire research. Paper presented at the Fourth National Forest Fire Research Conference held at Nanaimo, B.C., April 25, 26, 27, 1961. Woodlands Section Index No. 2077, (F-3).   | Canada, Dept. of Forestry, For. Res. Br.   |
| Williams, D.E.  | 1961 | New fire danger tables for use in British Columbia. Paper presented during the Sixth Annual Fire Control Course, January 1961, sponsored by the C.F.A. of B.C. on behalf of the Forest Fire Protection Committee - Vancouver. (Fire Control Notes, p. 21-25, 1961.) | Canada, Dept. of Forestry, For. Research Branch.   |
| Fraser, D.G.    | 1962 | Aircraft for forest fire control in Canada. Paper presented at the Meeting of the Commonwealth Advisory Aeronautical Research Council in Australia, April 1962. National Research Council of Canada, Ottawa.  | Canada, Dept. of Forestry, Forest Research Branch.   |

- |                  |      |   |  |
|------------------|------|---|--|
| MacHattie, L.B.  | 1962 | Is rainfall generally increased by cloud seeding? A report of the precipitation physics project. Paper presented at the Ann. Mtg. of the Woodlands Section, CPPA, held in Montreal, Quebec, March 20, 21, 22, 1962.   | Canada, Dept. of Forestry, Forest Research Branch.<br>(also article)               |
| Macleod, J.C.    | 1962 | Summary statement of forest fire situation and major problems in Canada. Paper presented at the Forest Fire Control Working Group, FAO/North American Forestry Commission, Washington, D.C., October 10 and 11, 1962. | Canada, Dept. of Forestry, Forest Research Branch.<br>(HO-62-23)                   |
| Mactavish, J.S.  | 1962 | Forest fire damage appraisal in Canada. Paper presented at the Fifth Forest Fire Control Conf., held at Petawawa, Ontario, Sept. 25, 26, 27, 1962.  | Canada, Dept. of Forestry, Forest Research Branch.<br>(also article)<br>(HO-62-25) |
| Macleod, J.C.    | 1962 | Federal forest fire research. In report of the Forest Fire Control Conf., held at Petawawa, Ont. Sept. 25-27, 1962.   | Canada, Dept. of Forestry For. Research Br.<br>(also article)                      |
| Williams, D.E.   | 1962 | The effect of exposure on slash inflammability. Paper presented at the Nat. Forest Fire Conf., Camp Petawawa September 1962.  | Canada, Dept. of Forestry, For. Research Br.<br>(also article)<br>(HO-62-27)       |
| Van Wagner, C.E. | 1962 | On the value of a numerical concept of fire intensity. Paper presented at the Nat. Forest Fire Control Conf., Camp Petawawa, Sept. 1962.  | Canada, Dept. of Forestry, For. Research Br.<br>(also article)<br>(Pet. 62-15)     |
| Fraser, D.G.     | 1962 | Symposium on aerial forest fire suppression - An introduction. Paper presented at the Nat. Forest Fire Control Conf., Petawawa September 25-27, 1962. (Woodlands Section Index No. 2173, F-3).                        | Canada, Dept. of Forestry, For. Research Br.<br>(HO-62-28)                         |

- |                  |      |   |  |
|------------------|------|---|--|
| Muraro, S.J.     | 1962 | The effect of degree of slope on fuel moisture and related parameters. Paper presented to the Cowichan Lake Symposium on Forest Meteorology & Microclimate, Oct. 29-Nov. 2, 1962.   | Canada, Dept. of Forestry, For. Research Br. (B.C. 62-6)   |
| MacHattie, L.B.  | 1962 | Relative humidity variations in Rocky Mountain Forests of the Kananaskis Forest Expt. Sta. during the summer season. Paper presented to the Cowichan Lake Symposium on Forest Meteorology and Microclimate, Oct. 29-Nov. 2, 1962.   | Canada, Dept. of Forestry, For. Research Br.               |
| MacHattie, L.B.  | 1962 | Some comments on the meteorology of forest fire control and forest regeneration in Canada. Paper presented at a Scientific Session of the WMO Tech. Comm. for Agricultural Meteorology, Toronto, July 13, 1962, in symposium on water balance of the soil and forest meteorology, p. 81-89. | Canada, Dept. of Transport, Meteorological Br. (63-H-3)    |
| Williams, D.E.   | 1963 | Forest fire danger rating in North America. Paper presented at the Workshop on Forest Fire Weather Problems, Fredericton, N.B., February 26-27, 1963.   | Canada, Dept. of Forestry, For. Research Br. (63-H-6)      |
| Paul, P.M.       | 1963 | The Maritime forest fire weather network. Paper presented at the Workshop on Forest Fire Weather Problems, Fredericton, N.B., February 26-27, 1963.   | Canada, Dept. of Forestry, For. Research Branch. (63-M-8)  |
| Van Wagner, C.E. | 1963 | On working fire behaviour data into forest fire control planning. Paper presented at the Annual Inspectors Conf. of the Lower Ottawa Forest Protective Assoc., Hull, Que. Apr. 18, 1963.  | Canada, Dept. of Forestry, For. Research Branch. (63-P-19) |
| Fraser, D.G.     | 1964 | Forest fire control aircraft in Canada. Paper presented to the Agriculture Aviation Section, Royal Aeronautical Soc. Ann. Mtg., London, January 19, 1964.   | Canada, Dept. of Forestry, For. Research Branch.           |



Mactavish, J.S.	1964	Forest fires on Canadian farm woodlots - 1956-1960. Report presented to the 12th Ann. Mtg. of the Assoc. Comm. on For. Fire Protection, N.R.C.	Canada, Dept. of Forestry, For. Research Branch. (64-H-4)
Williams, D.E.	1964	Forest fire research in North America. Lecture given at the Faculty of Forestry, University of Toronto, February 28, 1964.	Canada, Dept. of Forestry, For. Research Branch. (64-H-6)
Williams, D.E.	1964	Forest fire danger rating. Paper presented at the Ont. Fire Control Tech. Session, Sault Ste. Marie, March 6, 1964.	Canada, Dept. of Forestry, For. Research Branch. (64-H-7)
Van Wagner, C.E.	1964	Fire description and fuel types. Paper presented at the Ont. Fire Protection Supervisors' Mtg., Sault Ste. Marie, March, 1964.	Canada, Dept. of Forestry, For. Research Branch. (64-P-6)
Mactavish, J.S.	1964	Appraising fire damages to mature forest stands. Paper presented at the 5th Session of the FAO, Economic Comm. for Europe Joint Working Party on Forest and Forest Products Statistics, Geneva, 1965.	Canada, Dept. of Forestry, For. Research Branch. (64-H-14) (also Pbn. No. 1162)
Muraro, S.J.	1965	Fuel classification -- a review of the literature and discussion of principles. Paper prepared for the Second Federal Fire Research Conference, Victoria, B.C. March 22-26, 1965.	Canada, Dept. of Forestry, For. Research Branch, Victoria, B.C.
Péché, Gy.	1965	A method of measuring short-wave radiant flux beneath forest canopies. Paper presented at the Forest Microclimate Symposium, Pet. For. Exp. Sta., Chalk River, Ont. Sept. 1965.	Canada, Dept. of Forestry, For. Research Branch.
Webb, M.S.	1965	Low surface humidity occurrence as related to lee wave criteria. Paper presented at the Forest Microclimate Symposium, Pet. For. Exp. Sta., Chalk River, Ont. Sept. 28 - Oct. 1, 1965.	Canada, Dept. of Forestry, For. Research Branch.

- |                  |      |  |   |
|------------------|------|--|---|
| Mactavish, J.S.  | 1966 | Economics and forest fire control. Paper presented at the 6th Session of the FAO, Ec. Comm. for Europe Joint Working Party on Forest and Forest Products Statistics, Geneva, 1966. | Canada, Dept. of Forestry, For. Research Branch.<br>(Pbn. No. 1114)<br>(64-H-19)                    |
| Williams, D.E.   | 1966 | Detecting forest fires by airborne infra-red electronics. Paper presented at the CPPA For. Management Conf., held at Pet.For.Expt. St., Chalk River, Ont. Sept. 20-22, 1966.       | Canada, Dept. of Forestry, Forest Fire Res. Inst.<br>(also article)                                 |
| Paul, P.M.       | 1966 | Steps in forecasting forest fire danger in the Maritime Provinces. Background paper for the CIF, Session on 'Forest Fire Control', Banff, Alta. Oct. 3-6, 1966.                    | Canada, Dept. of Forestry, For. Res. Lab.,<br>Fredericton, N.B.                                     |
| Macleod, J.C.    | 1966 | Detection and control of forest fires. Recent developments in techniques and research. Paper presented at the Sixth World Forestry Congress, Madrid, Spain, June 6-16, 1966.       | Canada, Dept. of Forestry, For. Research Branch.  |
| Van Wagner, C.E. | 1966 | Calculations on forest fire spread by flame radiation. Paper presented at the Sixth World Forestry Congress, Madrid, Spain, June 6-16, 1966.                                       | Canada, Dept. of Forestry, For. Research Branch.<br>(Pbn. No. 1185)                                 |
| Williams, D.E.   | 1966 | Future application of meteorology in fire control. Paper delivered at the CIF, 58th Ann. Mtg., Banff, Alta. October 3-6, 1966.   | Canada, Dept. of Forestry & Rural Development, Forestry Br., F.F.R.I.<br>(also article and reprint) |
| Macleod, J.C.    | 1967 | Problems, problems, problems in forest protection. Paper presented at the 49th Ann. Mtg. of Woodlands Section, CPPA, Montreal, Mar. 13-17, 1967.                                   | Canada, Dept. of For. & Rural Dev., Forestry Br.,<br>(also article)                                 |

- Muraro, S.J. 1967 Methods and needs for evaluating performance of prescribed fires. Paper presented at the XIV Congress of the Int. Union of Forest Research Organizations, Munich, Germany, Sept. 4-9, 1967. Canada, Dept. of For. & Rural Dev., B.C. Region, Victoria, B.C. (also Pbn. No. 1231)
- Van Wagner, C.E. 1967 Fire behaviour mechanisms in a red pine plantation: Field and laboratory evidence. Paper presented at the XIV Congress of the Int. Union of For. Res. Organizations, Munich, Germany, Sept. 4-9, 1967. Canada, Dept. of For. & Rural Dev., Petawawa F.E.S., Chalk River, Ont., Canada. (also Pbn. No. 1229)
- Kourtz, P.H. 1967 Resource allocation for forest fire control. Paper presented at the XIV Congress of the Int. Union of Forest Research Organizations, Munich, Germany, Sept. 4-9, 1967. Canada, Dept. of For. & Rural Dev., For. Research Br., F.F.R.I., Ottawa. (also Pbn. No. 1232)
- Péché, Gy. 1967 The association between atmospheric humidity and fuel moisture. Paper presented at the XIV Congress of the Int. Union of For. Research Organizations, Munich, Germany, Sept. 4-9, 1967. Canada, Dept. of For. & Rural Dev., B.C. Region, Victoria, B.C. (also Pbn. No. 1230)
- Kil, A. D. 1967 Weight of the fuel complex in 70-year-old lodgepole pine stands of different densities. Paper presented at the XIV Congress of the Int. Union of Forest Research Organizations, Munich, Germany, Sept. 4-9, 1967. Canada, Dept. of For. & Rural Dev., Alberta-Territories Region, Calgary, Alberta. (also Pbn. No. 1228)
- Kourtz, P.H. 1967 Automation of forest fire danger forecasting. Project F-61. Paper presented at the Forest Fire Control Working Group, North American Forestry Commission, Riverside, California, April, 1967. Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I. (also F.F.R.I. Info. Leaflet)

- |  |      |   |   |
|--|------|---|---|
| Péché, Gy.<br>and K.M. King                                    | 1967 | Characterization of visible radiation in plant communities. Proceedings, 1st Cdn. Conf. on Micrometeorology, Part I, pp. 51-81. Met. Services of Canada, Toronto.   | Canada, Dept. of For. & Rural Dev., Forestry Br.  |
| Kourtz, P.H.   | 1967 | Computers and forest fire detection. Paper presented to the Fire Control Tech. Session, CIF/SAF Joint Ann. Mtg., Ottawa, Oct. 19, 1967.   | Canada, Dept. of For. & Rural Dev., Forestry Br., Forest Fire Research Institute. (also article)                  |
| Webb, M.S.   | 1968 | Areal variability of rainfall and forest fire control planning. Paper prepared for the Conference on Fire and Forest Meteorology, Salt Lake City, Utah, Mar. 12-24, 1968.                                       | Canada, Dept. of For. & Rural Dev., Forestry Br., Forest Fire Research Institute.                                 |
| Turner, J.A.,<br>S.J. Muraro,<br>Gy. Péché and<br>R.N. Russell | 1968 | A drought index to simulate moisture content of the full organic layer. Paper presented at the Joint S.A.F. -- A. Met. S. Conference on Fire and Forest Meteorology, Salt Lake City, Mar. 12-14, 1968.          | Canada, Dept. of Fisheries and Forestry, Forestry Branch. (BC-X-37)   |
| Simard, A.J.   | 1969 | Study of the feasibility of a mobile Canada-wide air-tanker fleet. Paper presented at the 51st Annual Meeting of the Woodlands Section, Canadian Pulp & Paper Assoc., held in Montreal, Que., Mar. 17-20, 1969. | Canada, Dept. of Fisheries and Forestry, Forestry Br., Forest Fire Research Institute. (also article and reprint) |
| MacHattie, L.B.  | 1969 | Modern meteorological services and forest fire control. Paper presented at the 6th National Forest Fire Conference, Winnipeg, Man., April 15-17, 1969.  | Canada, Dept. of Fisheries and Forestry, Forestry Br., Forest Fire Research Institute. (also article)             |

- |                                 |      |   |   |
|---------------------------------|------|---|---|
| Williams, D.E.                  | 1969 | Economics of forest fire control. Paper presented at the 6th National Forest Fire Conference, Winnipeg, Man., April 15-17, 1969.  | Canada, Dept. of Fisheries and Forestry, Forestry Branch, Forest Fire Research Institute.<br>(also article)                                 |
| Simard, A.J.<br>& D.E. Williams | 1970 | The airtanker fleet feasibility study. Paper No. 19. Paper prepared for the Forestry Seminar sponsored by the Canadian Council of Resource Ministers, (Winnipeg, Manitoba -- Nov. 25-27, 1970). In FORESTRY READER, Canadian Council of Resource Ministers.       | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute.   |
| _____                           | 1970 | Project d'étude concernant la formation d'une flotte d'avions-citernes. Paper No. 19. (See above)   | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute.   |
| Kiil, A.D. &<br>Z. Chrosciewicz | 1970 | Prescribed fire -- its place in reforestation. Paper No. 7. Paper prepared for the Forestry Seminar sponsored by the Canadian Council of Resource Ministers, (Winnipeg, Manitoba - Nov. 25-27, 1970). In FORESTRY READER, Canadian Council of Resource Ministers. | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Edmonton, Alta.                             |
| _____                           | 1970 | Le role du feu dans le reboisement. Paper No. 7. (See above)  | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Edmonton, Alta.                             |
| Fraser, D.G.                    | 1970 | Development of aircraft use in forest fire control. Paper presented at the National Seminar on Aircraft Management, Associate Committee on Forest Fire Protection, National Research Council, Petawawa Forest Experiment Station, October 25-30, 1970.            | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute.<br>(also F.F.R.I. Information Leaflet). |

- |                                  |      |   |  |
|----------------------------------|------|---|--|
| Simard, A.J.                     | 1970 | An analysis of the use of aircraft for forest fire suppression. Paper presented at the National Seminar on Aircraft Management, Associate Committee on Forest Fire Protection, N.R.C., Petawawa Forest Experiment Station, Oct. 25-30, 1970.                      | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.   |
| Kiil, A.D.                       | 1970 | Forest-habitat inventory for fire danger rating. Paper presented at the Workshop Symposium on Forest-Land Inventory for Management, Edmonton, February 12 and 13, 1970. In: Proceedings of Symposium on forest and land inventory for management.                 | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Edmonton, Alberta.   |
| Van Wagner, C.E.                 | 1970 | New developments in forest fire danger rating. Paper presented at the Annual Meeting, Associate Committee on Forest Fire Protection, N.R.C., Jan. 1970.   | Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.                                       |
| Van Wagner, C.E.                 | 1970 | Fire and red pine. Paper presented at the 10th Tall Timbers Fire Ecology Conference, Fredericton, New Brunswick, Aug. 20-21, 1970.  | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.                                |
| Simard, A.J. and<br>R.B. Forster | 1971 | Preliminary analysis of supplemental airtanker demand for Canada (1957 - 1970). A report presented at the Second Meeting of the "Task Force on Federal Government Assistance in Dealing with Forest Fire Control Emergencies", Ottawa, Ontario, Jan. 26-29, 1971. | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute and Forest Economics Research Institute, Ottawa, Ontario. |

- |                               |      |   |   |
|-------------------------------|------|---|---|
| Muraro, S.J.                  | 1971 | Vancouver forest district slash burning costs. Paper presented to the Forest Prevention Committee, Vancouver, B.C., Feb. 1971.  | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, British Columbia Region, Victoria, B.C.   |
| Forster, R.B. and A.J. Simard | 1971 | Analysis of the costs of providing supplemental airtanker assistance to the Provinces. Prepared for: "Task Force on Federal Government Assistance in Dealing with Forest Fire Control Emergencies", March 1971. | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Economics Research Institute and Forest Fire Research Institute, Ottawa Ontario. |
| Kourtz, P.H.                  | 1971 | Analysis of an infrared forest fire detection system. Paper presented at the IUFRO Congress, Working Group on Forest Fire Control, Gainesville, Florida, March 18-20, 1971.                                     | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.  |
| Muraro, S.J.                  | 1971 | A fire behaviour monitoring system. Paper presented at the IUFRO Congress, Working Group on Forest Fire Control Gainesville, Florida, March 18-20, 1971.  | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, British Columbia Region, Victoria, B.C.   |
| Péché, Gy.                    | 1971 | Mechanisms of heat and moisture exchanges between forest litter and the atmosphere. Paper presented at the IUFRO Congress, Working Group on Forest Fire Control, Gainesville, Florida, March 18-20, 1971.       | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.  |
| Van Wagner, C.E.              | 1971 | Two solitudes in forest fire research. Paper presented at the IUFRO Congress, Working Group on Forest Fire Control, Gainesville, Florida, March 18-20, 1971.  | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.                               |

- |                                  |      |  |  |
|----------------------------------|------|--|--|
| O'Regan, W.G. and<br>P.H. Kourtz | 1971 | A managerial decision system for an airborne infrared fire detection device. Paper presented at the Conference, Region Six, Institute of Electrical and Electronic Engineering, Sacramento, California, May 11-13, 1971.   | Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S.D.A., School of Forestry and Conservation, University of California, Berkeley, California; and Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario. |
| Kourtz, P.H.                     | 1971 | An operations research approach to the optimizing of the fire detection system. Paper presented at the Remote Sensing for Forest Fire Control Seminars sponsored by the Division of Forest Fire and Atmospheric Sciences Research, U.S.D.A., Forest Service and held at: Southern Forest Fire Laboratory, Macon, Georgia, May 4-6, 1971; Western Forest Fire Laboratory, Riverside, California, May 25-27, 1971; Northern Forest Fire Laboratory, Missoula, Montana, June 1-3, 1971. | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.   |
| Williams, D.E.                   | 1971 | Forest fires and pollution. Paper presented at the SAF Annual Meeting held in Cleveland, Ohio, Sept. 26-30, 1971.  | Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.  |
| Kourtz, P.H.                     | 1972 | Forest fire detection. Paper presented to the Faculty of Forestry, University of Toronto, Feb. 28, 1972.   | Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.  |
| Kourtz, P.H.                     | 1972 | Modern technology for fire control. Paper presented at Fire in the Environment Symposium, Proceedings, Denver, Colorado, May 1-5, 1972.  | Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.  |



- |                                   |      |   |   |
|-----------------------------------|------|---|---|
| Fraser, D.G.                      | 1972 | The suction lift problem. Paper presented to the National F.P.A. Meeting, Philadelphia, Pa., May 15-19, 1972.   | Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.                                 |
| Forster, R.B.<br>and A. J. Simard | 1972 | Tactics of using aircraft for forest fire suppression. Paper prepared for the Economists, Administrators and Planners Commission, Seventh World Forestry Congress, Buenos Aires, Argentina, Oct. 12-16, 1972.                               | Canada, Dept. of the Environment, Canadian Forestry Service, Forest Economics Institute, and Forest Fire Research Institute, Ottawa, Ontario. |
| MacHattie, L.B.                   | 1973 | Frequency of cloud free conditions for aerial observations of Canadian Forests. Paper presented at the 11th Agricultural and Forest Meteorology Conference of the American Meteorological Society held at Durham, N.C., January 8-10, 1973. | Canada, Dept. of Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.                                     |
| Maloney, J.E.                     | 1974 | The development problem and centralized wildfire resources management. Paper presented to Alaska Fall Fire Review, B.L.M., Alaska, October 9, 1974.   | Canada, Dept. of Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.                                     |
| Simard, A.J.                      | 1974 | Airtankers and wildland fire management -- A systems overview. Paper presented to Fall Fire Review, B.L.M., Alaska, Anchorage, Alaska, Oct. 7-11, 1974.   | Canada, Dept. of Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.                                     |

- Williams, D.E. 1974 Canada -- A country report.  
Paper presented to the Fire Management Study Group, North American Forestry Commission, Jasper, Alberta.  
Sept. 10, 1974. Canada, Dept. of Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
- Fahnestock, G.R. 1974 Fires, fuels and flora as factors in wilderness management: The Pasayten case.  
Paper presented at the Tall Timbers Fire Ecology Conference, Portland, Oregon.  
October 16, 1974. Canada, Dept. of Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.

MISCELLANEOUS PUBLICATIONS

These are a diverse group of items published by the fire research staff. They were not assigned to any of the serially numbered classes. They range from a single mimeographed sheet to full size booklets. Many were published by outside agencies.

Misc. Fire Research Publications

Finlayson, E.H.	1925	Instructions to Dominion forest and fire rangers. Re: forest fire protection.	Canada, Dept. of the Interior, Forestry Branch.
Finlayson, E.H.	1927	Instructions to forest and fire rangers regarding forest fire protection. (Revised March 1, 1927)	Canada, Dept. of the Interior, Forestry Branch.
Wright, J.G.	1937	Experiments on the use of chemicals in forest-fire suppression. (Misc. Paper)	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service. (also article)
Wright, J.G. & D.T. Hewson	1939	Performance rating tests of forest fire pumping units and hose nozzles. (N.R.C. Report No. P.E.P.-3)	Canada, National Research Council.
Wright, J.G.	1939	The protection of mountain forest lookout cabins from lightning.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Wright, J.G.	1944	Progress in forest-fire protection in Canada.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Wright, J.G. & H.W. Beall	1945	The application of meteorology to forest fire protection. (Technical Communication No. 4)	Imperial Forestry Bureau, Oxford, England. (also FF-X-11)
Anon.	1947	Forest fire protection.	Canada, Dept. of Mines & Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Anon.	1949	Summary of forest-fire protection problems recommended for study by associations of the forest industries in Canada.	Canada, Dept. of Mines & Resources, Mines, Forests & Scientific Services Branch, Dominion Forest Service.
Chorlton, R.W.	1949	Review of literature concerned with bombing forest fires from the air.	Canada, Dept. of Mines & Resources, Mines, Forests & Scientific Services Branch, Dominion Forest Service.

Beall, H.W.	1950	Characteristics of light portable radiotelephone set model TR7 and operating instructions - portable radiotelephone set model TR7.	Canada, Dept. of Resources & Development, Forestry Branch, Forest Research Division.
Doyle, J.A.	1951	Report on forest fire protection questionnaire (prepared for the Subcommittee on Fire Research, Associate Committee on Forestry, N.R.C.).	Canada, Dept. of Resources & Development, Forestry Branch, Forest Research Division.
MacHattie, L.B.	1951	Intense warm frontal passages at Rockcliffe. (Meteorological Branch cir - 1945).	Canada, Dept. of Transport, Meteorological Branch.
MacHattie, L.B.	1957	Warm frontal passages at Ottawa. (Uplands). (Meteorological Branch cir - 1921).	Canada, Dept. of Transport, Meteorological Branch.
MacHattie, L.B.	1958	Accuracy of the hair hygroph. (Meteorological Branch cir - 3022).	Canada, Dept. of Transport, Meteorological Branch.
Anon.	1959	Directory of forest fire research projects.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch, Forest Research Division.
Williams, D.E.	1959	Report on experimental control-burn near Blackville, New Brunswick, 1959.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch, Forest Research Division.
Anon.	1960	Directory of forest fire research projects. (Supplements in 1961 & 1962). (A revised version of the Directory appears as Departmental Publication No. 1129.) (See Sec. C).	Canada, Dept. of Forestry, Forest Research Branch.
Kiil, A.D.	1961	Lightning fire report questionnaire (prepared for the Associate Committee on Forest Fire Protection, N.R.C.).	Canada, Dept. of Forestry, Forest Research Branch.
Mactavish, J.S.	1961	Forest fire hazard in lodgepole pine. (IN lodgepole pine in Alberta, L.A. Smithers, Dept. of Forestry Bulletin 127, Section 43, p. 95).	Canada, Dept. of Forestry, Forest Research Branch.

MacHattie, L.B.	1961	Discussion on uses of evaporation data and theory in forest management. Symposium No. 2, Evaporation. Held under the auspices of the Nat. Res. Council of Canada, Ass. Comm. on Geodesy and Geophysics, Subcommittee on Hydrology, at Toronto, March 1-2, 1961.	Canada, Dept. of N.A. & Nat. Res., Water Res. Br.
Muraro, S.J.	1962	Preliminary report on a pilot model of a versalite instrument shelter.	Canada, Dept. of Forestry, For. Research Br.
Muraro, S.J.	1962	A comparison of burning indexes using two methods of indicator stick exposure.	Canada, Dept. of Forestry, For. Research Branch.
Van Wagner, C.E.	1962	Note on duff and soil temperatures during fires.	Canada, Dept. of Forestry, For. Research Branch.
MacHattie, L.B.	1964	A selected bibliography on agrotopoclimatology in North America.	Canada, Dept. of Transport, Met. Branch. (DS-18-64)
Lockman, M.R.	1964	Modifications and improvements in methods of compiling forest fire loss statistics.	Canada, Dept. of Forestry, For. Research Branch.
Williams, D.E.	1966	A report on the 1965 field tests of the airborne fire detection system AFDS-2 developed by Computing Devices of Canada Limited. (For the Ass. Comm. on Forest Fire Protection of the National Res. Council).	Canada, Dept. of Forestry, Forest Fire Research Institute.
Webb, M.S.	1966	An approach to forecasting low surface humidities at night in the Rocky Mountains.	Canada, Dept. of Transport, Met. Branch. (Tech. Circ. 4377, TEC-598)
Anon.	1967	Forest Fire Research Institute, Ottawa, Ontario. Program Review, 1965 & 1966.	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Anon.	1967	Institut de recherche sur les feux de forêt, Ottawa, Ontario. Aperçu des activités en 1965 et 1966.	Canada, Ministère des forêts et du développement rural, direction générale des forêts. Institut de recherche sur les feux de forêt.

Anon.	1967	Directory of forest fire research projects. 1967 Revision.	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I. (See also Dept. Publ. No. 1129, Sec. C-2)
Turner, J.A.	1968	Weather and slash burning.	Canada, Dept. of Transport, Meteorological Branch. (Technical Memoranda, TEC. 675, Feb. 29, 1968)
Muraro, S.J.	1968	A modular approach to a revised National fire danger rating system.	Canada, Dept. of For. & Rural Dev., For. Research Lab. Victoria, B.C. (BC-X-37)
Muraro, S.J. & J.A. Turner	1968	Comparison of Petawawa Mark IV and B.C. Mark II drought indexes.	Canada, Dept. of For. & Rural Dev., For. Research Lab. Victoria, B.C. (BC-X-37)
Muraro, S.J.	1968	Fuels of Flambeau. Plot 760-12. (unpub. rep.)	Canada, Dept. of For. & Rural Dev., For. Research Lab. Victoria, B.C.
Jackson, A.W.	1968	Weather forecasting applied to forest fire protection in British Columbia.	Canada, Dept. of Transport, Meteorological Branch. (Technical Memoranda, TEC-693, 11 October, 1968).
Jackson, A.W.	1968	The drought index chart as a fire weather forecast tool.	Canada, Dept. of Transport, Meteorological Branch. (Technical Memoranda, TEC-682, 5 May, 1968).
Anon.	1969	Forest Fire Research Institute, Program Review, 1967 and 1968.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I.
Ramsey, G.S., D. Higgins & P. Lavigne	1969	Performance tests on Gorman-Rupp backpack portable forest fire pump.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I.
Ramsey, G.S., D. Higgins, W.B. Crawford & R. Joeveer	1970	Performance tests on Wajax Mark 26 Centrifugal pump.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I.

- |                                 |      |   |   |
|---------------------------------|------|---|---|
| Turner, J.A.                    | 1970 | Calibration of the Fire Weather Index. Progress Rept. No. 1. (Mimeo)  | Canada, Dept. of Fisheries and Forestry, Canadian Forestry Victoria, B.C.   |
| Macleod, J.C.                   | 1971 | Forest fire control in Thailand. Final Report, Bangkok, Sept. 17, 1971.   | Canadian International Development Agency, Ottawa, Ontario.   |
| Lawson, B.D.                    | 1972 | An interpretive guide to the Canadian Forest Fire Behaviour System.   | Canada, Dept. of Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C. Misc. Rept. No. BC-P-3-72.        |
| Anon.                           | 1972 | Forest Fire Research Institute Program Review 1969-1971.  | Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.                             |
| Ponto, R.L.                     | 1972 | Procedures for oven-drying forest slash components and organic matter - study carried out in Alberta 1967-1972. | Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta. Misc. Rept. No. NOR-Y-9. |
| Bruce, N.G.                     | 1973 | Forest fire control literature. An author bibliography of C.F.S. publications.                                  | Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario. Misc. Rept. No. FF-Y-1.     |
| Simard, A.J.                    | 1973 | Forest fire weather zones of Canada.  | Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.                             |
| MacHattie, L.B. and F. Schnelle | 1974 | An introduction to agrotopoclimatology.   | Secretariat of the World Meteorological Organization, World Meteorological Organization, Geneva, Switzerland. Technical Note No. 133      |



Ramsey, G.S., D. M. Townsend, D. G. Higgins and J. S. Bland	1973	Performance tests on Gorman-Rupp Bush-whacker centrifugal portable forestry fire pump.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Kourtz, P.H.	1973	The U.S.S.R. forest fire control operation as seen by the 1973 Canadian Fire Control Delegation.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario. Misc. Rept. FF-Y-2.
Bruce, N.G.	1973	Forest fire control literature - An author bibliography of C.F.S. publications.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario. Misc. Rept. FF-Y-1, Supplement No. 1.
Bruce, N.G.	1974	Forest fire control literature - An author bibliography of C.F.S. publications.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario. Misc. Rept. FF-Y-1, Supplement No. 2.
Miles, T.W. and J. S. Bland	1974	Forest fire danger charts and weather records held by the Information Centre.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario. Misc. Rept. FF-Y-3.
Paul, P.M.	1974	A national fire weather forecasting system for the forests of Canada. A thesis presented to the faculty of the Graduate School of Cornell University for the degree of doctor of philosophy. August 1974.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.

Maloney, J.E.	1974	Role-players manual - Wildland fire game. Note -- a separate publication has been prepared for each of the following: Ontario, Northern B.C., Southern B.C., Central B.C., Yukon, N.W.T., Alberta.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Maloney, J.E.	1974	Trainee's manual - Wildland fire game. Note -- a separate publication has been prepared for each of the following: Ontario, Northern B.C., Southern B.C., Central B.C., Yukon, N.W.T., Alberta.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Todd, J.B.	1974	Role-players manual - Wildland fire game. Note -- a separate publication has been prepared for each of the following: Quebec and Nova Scotia.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Todd, J.B.	1974	Trainee's manual - Wildland fire game. Note -- a separate publication has been prepared for each of the following: Quebec and Nova Scotia.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.

**FOREST FIRE DANGER TABLES**

Together with Research Notes 5, 6, 7, 8, 12 and "Forest fire danger in mid-western Canada" (page F-3), these form the group of tables used for computing the forest fire danger index in Canada. The publications listed here are a uniform 8½ x 11 format with spiral ring binding to permit pages to lie flat when opened; with the exception of the 1956 Quebec and 1963 Alberta - Cladonia Type. Some of the more recent Danger Tables were included in the Departmental Publication series (Section C) but the titles are also included here to provide a complete listing.

Forest Fire Danger Tables

Anon.	1957	Newfoundland 1956	Canada, Dept. of N.A. & N.R., Forestry Branch.
Anon.	1957	New Brunswick 1956	Canada, Dept. of N.A. & N.R., Forestry Branch.
Anon.	1966	Maritimes (First printing - 1957)	Canada, Dept. of Forestry, For. Research Branch (Pub. No. 1151)
Anon.	1956	Québec 1956 (provisoire)	Canada, Ministère de nord Canadien et des ressources nationales, Division des forêts.
Anon.	1966	Québec (édition provisoire)	Canada, Min. des forêts, Institut de recherches sur les feux de forêt, Ottawa.
Anon.	1967	Québec (édition provisoire)	Canada, Min. des forêts et du développement rural, Institut de recherches sur les feux de forêt. (Pub. No. 1119 F)
Anon.	1967	Québec	Canada, Min. des forêt et du développement rural, Institut de recherches sur les feux de forêt. (Pub. No. 1194 F)
Anon.	1968	Quebec	Canada, Dept. of Forestry and Rural Development, Forestry Branch. (Pub. No. 1226)
Anon.	1957	Ontario 1956	Canada, Dept. of N.A. & N.R., Forestry Branch.
Anon.	1957	Manitoba 1956	Canada, Dept. of N.A. & N.R., Forestry Branch.
Anon.	1959	Saskatchewan 1959	Canada, Dept. of N.A. & N.R., Forestry Branch.
Anon.	1957	Alberta East Slope 1956	Canada, Dept. of N.A. & N.R., Forestry Branch.
Anon.	1959	Alberta 1959	Canada, Dept. of N.A. & N.R., Forestry Branch.

Mactavish, J.S. 1963	Alberta - Cladonia Type. (Supplement to Forest Fire Danger Tables, Alberta, 1959).	Canada, Dept. of Forestry, For. Research Branch.
Paul, P.M. & 1961 J.S. Mactavish	British Columbia - Cariboo (Provisional)	Canada, Dept. of Forestry, For. Research Branch.
Mactavish, J.S. 1961	British Columbia - Coast (Provisional)	Canada, Dept. of N.A. & N.R., For. Research Branch.
Mactavish, J.S. 1965	British Columbia - Coast. (Second edition)	Canada, Dept. of Forestry, For. Research Branch. (Pub. No. 1101)
Paul, P.M. & 1965 J.S. Mactavish	British Columbia - Cariboo (Second edition)	Canada, Dept. of Forestry, For. Research Branch (Pub. No. 1099)
Kill, A.D. & 1962 J.S. Mactavish	District of Mackenzie, N.W.T.	Canada, Dept. of Forestry, For. Research Branch.
Anon. 1969	Canadian fire weather index. (Provisional 1969)	Canada, Dept. of Fisheries and Forestry, Forestry Branch.
Anon. 1970	Canadian forest fire weather index.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service.

PERIODICALS

This group consists of Publications that are issued on a regular basis, both English and French editions are listed.

The annual publication "Forest fire losses in Canada" represents a continuation of the forest fire statistics which appeared in Forestry Branch Bulletins 1909-1920. Other information on the statistics may be found in the Annual Reports of the Department.

Periodicals

Anon.	1949	Forest fire losses in Canada - 1948.	Canada, Dept. of Mines & Resources, Mines, Forests & Scientific Services Branch, Dominion Forest Service.
Anon.	1950	Forest fire losses in Canada - 1949.	Canada, Dept. of Resources & Development, Forestry Branch, Fire Research Division.
Anon.	1951	Forest fire losses in Canada - 1950.	Canada, Dept. of Resources & Development, Forestry Branch, Fire Research Division.
Anon.	1952	Forest fire losses in Canada - 1951.	Canada, Dept. of Resources & Development, Forestry Branch, Fire Research Division.
Anon.	1953	Forest fire losses in Canada - 1952.	Canada, Dept. of Resources & Development, Forestry Branch, Fire Research Division.
Anon.	1954	Forest fire losses in Canada - 1953.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1955	Forest fire losses in Canada - 1954.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1956	Forest fire losses in Canada - 1955.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1957	Forest fire losses in Canada - 1956.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1958	Forest fire losses in Canada - 1957.	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1959	Forest fire losses in Canada - 1958-59. (Reprinted 1964).	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1961	Forest fire losses in Canada - 1960.	Canada, Dept. of Forestry, Forest Research Branch.
Mactavish, J.S. & M.R. Lockman	1962	Forest fire losses in Canada - 1961.	Canada, Dept. of Forestry, Forest Research Branch.

Mactavish, J.S. and M.R. Lockman	1963	Forest fire losses in Canada - 1962.	Canada, Dept. of Forestry, Forest Research Branch, Ottawa, Ontario.
Mactavish, J.S. and M.R. Lockman	1964	Forest fire losses in Canada - 1963.	Canada, Dept. of Forestry Forest Research Branch. Ottawa, Ontario.
Lockman, M.R.	1966	Forest fire losses in Canada - 1964.	Canada, Dept. of Forestry Forest Research Branch, Ottawa, Ontario.
McLean, D.L. and M.R. Lockman	1967	Forest fire losses in Canada - 1965.	Canada, Dept. of Forestry and Rural Development, Forest Fire Research Institute, Ottawa, Ontario.
McLean, D.L. and M.R. Lockman	1967	Forest fire losses in Canada - 1966.	Canada, Dept. of Forestry and Rural Development, Forest Fire Research Institute, Ottawa, Ontario.
Lockman, M.R.	1969	Forest fire losses in Canada - 1967.	Canada, Dept. of Fisheries and Forestry, Forest Fire Research Institute, Ottawa, Ontario.
Lockman, M.R.	1970	Forest fire losses in Canada - 1968.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Lockman, M.R.	1972	Forest fire losses in Canada - 1969.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.



Périodiques

Anon.	1951	Pertes par l'incendie dans les forêts du Canada, 1950.	Canada, Ministère des ressources et du développement économique, Division des forêts.
Anon.	1952	Pertes par l'incendie dans les forêts du Canada, 1951.	Canada, Ministère des ressources et du développement économique, Division des forêts.
Anon.	1953	Pertes par l'incendie dans les forêts du Canada, 1952.	Canada, Ministère des ressources et du développement économique, Division des forêts.
Anon.	1954	Pertes par l'incendie dans les forêts du Canada, 1953.	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1955	Pertes par l'incendie dans les forêts du Canada, 1954.	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1956	Pertes par l'incendie dans les forêts du Canada, 1955.	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1957	Pertes par l'incendie dans les forêts du Canada, 1956.	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1959	Pertes par l'incendie dans les forêts du Canada, 1957.	Canada, Ministère du Nord canadien et des Ressources nationales, Direction des forêts.
Anon.	1960	Pertes attribuables aux feux de forêt au Canada. 1958 et 1959.	Canada, Ministère du Nord canadien et des Ressources nationales, Direction des forêts.
Anon.	1962	Pertes par les feux de forêt au Canada, 1960.	Canada, Ministère des forêts, Direction des recherches forestières.
Mactavish, J.S. & M.R. Lockman	1963	Pertes par les feux de forêt au Canada, 1961.	Canada, Ministère des forêts, Direction des recherches forestières.

Mactavish, J.S. and M.R. Lockman	1963	Pertes dues aux feux de forêt au Canada - 1962.	Canada, Ministère des forêts, Direction des recherches forestières, Ottawa, Ontario.
Mactavish, J.S. and M.R. Lockman	1964	Pertes dues aux feux de forêt au Canada - 1963.	Canada, Ministère des forêts, Direction des recherches forestières, Ottawa, Ontario.
Lockman, M.R.	1966	Pertes dues aux feux de forêt au Canada - 1964.	Canada, Ministère des forêts, Direction des recherches forestières, Ottawa, Ontario.
McLean, D.L. and M.R. Lockman	1967	Pertes dues aux feux de forêt au Canada - 1965.	Canada, Ministère des forêts et du développement rural, Institut de recherches sur les feux de forêt, Ottawa, Ontario.
McLean, D.L. and M.R. Lockman	1967	Pertes dues aux feux de forêt au Canada - 1966.	Canada, Ministère des forêts et du développement rural, Institut de recherches sur les feux de forêt, Ottawa, Ontario.
Lockman, M.R.	1969	Pertes dues aux feux de forêt au Canada - 1967.	Canada, Ministère des pêches et forêts, Institut de recherches sur les feux de forêt, Ottawa, Ontario.
Lockman, M.R.	1970	Pertes dues aux feux de forêt au Canada - 1968.	Canada, Ministère des pêches et forêts, Service Canadien des forêts, Institut de recherches sur les feux de forêt, Ottawa, Ontario.
Lockman, M.R.	1972	Pertes dues aux feux de forêt au Canada - 1969.	Canada, Ministère des Environnement, Service Canadien des forêts, Institut de recherches sur les feux de forêt, Ottawa, Ontario.

Forest Fire Protection Notes

Anon.	1947	Forest fire protection notes, No. 1.	Canada, Dept. of Mines and Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Anon.	1948	Forest fire protection notes, No. 2.	Canada, Dept. of Mines and Resources, Lands, Parks & Forests Branch, Dominion Forest Service.
Anon.	1949	Forest fire protection notes, No. 3.	Canada, Dept. of Mines and Resources, Mines, Forests and Scientific Services Branch, Dominion Forest Service.

End of Series - Replaced by Abstracts

Forest Fire Protection Abstracts

## Forest Fire Protection Abstracts - Book No. 1

Anon.	1950	Vol. 1 No. 1	March	Canada, Dept. of Resources & Development, Forestry Branch.
Anon.	1950	Vol. 1 No. 2	July	Canada, Dept. of Resources & Development, Forestry Branch.
Anon.	1951	Vol. 2 No. 1	March	Canada, Dept. of Resources & Development, Forestry Branch.
Anon.	1951	Vol. 2 No. 2	September	Canada, Dept. of Resources & Development, Forestry Branch.
Anon.	1952	Vol. 3 No. 1	February	Canada, Dept. of Resources & Development, Forestry Branch.
Anon.	1952	Vol. 3 No. 2	December	Canada, Dept. of Resources & Development, Forestry Branch.
Anon.	1953	Vol. 4 No. 1	June	Canada, Dept. of Resources & Development, Forestry Branch.
Anon.	1953	Vol. 4 No. 2	December	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.

## Forest Fire Protection Abstracts - Book No. 1 (cont'd)

Anon.	1954	Vol. 5 No. 1	June	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1954	Vol. 5 No. 2	December	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1955	Vol. 6 No. 1	June	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1955	Vol. 6 No. 2	December	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1955	Cumulative Index, Book 1, Vol. 1 to 6.	December	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.

## Forest Fire Protection Abstracts - Book No. II

Anon.	1956	Vol. 7 No. 1	June	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1956	Vol. 7 No. 2	December	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1957	Vol. 8 No. 1	June	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1957	Vol. 8 No. 2	December	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1958	Vol. 9 No. 1	June	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.

## Forest Fire Protection Abstracts - Book No. II (cont'd)

Anon.	1958	Vol. 9 No. 2	December	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1959	Vol. 10 No. 1	June	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1959	Vol. 10 No. 2	December	Canada, Dept. of Northern Affairs & National Resources, Forestry Branch.
Anon.	1960	Vol. 11 No. 1	June	Canada, Dept. of Forestry, Forest Research Branch.
Anon.	1960	Vol. 11 No. 2	December	Canada, Dept. of Forestry, Forest Research Branch.
Anon.	1961	Vol. 12 No. 1	June	Canada, Dept. of Forestry, Forest Research Branch.
Anon.	1962	Vol. 12 No. 2	September	Canada, Dept. of Forestry, Forest Research Branch.
Anon.	1962	Cumulative Index Book 2, Vol. 7 to 12.	September	Canada, Dept. of Forestry, Forest Research Branch.

Title changed to:

Forest Fire Control Abstracts - Book No. III

Fraser, D.G.	1962	Vol. 13 No. 1	June	Canada, Dept. of Forestry, Forest Research Branch.
Fraser, D.G.	1962	Vol. 13 No. 2	December	Canada, Dept. of Forestry, Forest Research Branch.
Fraser, D.G.	1963	Vol. 14 No. 1	June	Canada, Dept. of Forestry, Forest Research Branch.
Fraser, D.G.	1963	Vol. 14 No. 2	December	Canada, Dept. of Forestry, Forest Research Branch.

## Forest Fire Control Abstracts - Book No. III (cont'd)

Fraser, D.G.	1964	Vol. 15 No. 1	March	Canada, Dept. of Forestry, For. Research Br.
Fraser, D.G.	1964	Vol. 15 No. 2	June	Canada, Dept. of Forestry, For. Research Br.
Fraser, D.G.	1964	Vol. 15 No. 3	September	Canada, Dept. of Forestry, For. Research Br.
Fraser, D.G.	1964	Vol. 15 No. 4	December	Canada, Dept. of Forestry, For. Research Br.
Fraser, D.G.	1965	Vol. 16 No. 1	March	Canada, Dept. of Forestry, For. Fire Res. Inst.
Fraser, D.G.	1965	Vol. 16 No. 2	June	Canada, Dept. of Forestry, For. Fire Res. Inst.
Fraser, D.G.	1965	Vol. 16 No. 3	September	Canada, Dept. of Forestry, For. Fire Res. Inst.
Fraser, D.G.	1965	Vol. 16 No. 4	December	Canada, Dept. of Forestry, For. Fire Res. Inst.
Anon.	1967	Cumulative Index Book 3, Vol. 13 to 16		Canada, Dept. of For. & Rural Dev., Forestry Branch, F.F.R.I.
Fraser, D.G.	1966	Vol. 17 No. 1	March	Canada, Dept. of For. & Rural Dev., Forestry Branch, F.F.R.I.
Fraser, D.G.	1966	Vol. 17 No. 2	June	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Fraser, D.G.	1966	Vol. 17 No. 3	September	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.

## FOREST FIRE CONTROL ABSTRACTS -- BOOK NO. 3 (continued)

Fraser, D.G.	1966	Vol. 17 No. 4	December	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Fraser, D.G. & G.S. Ramsey	1967	Vol. 18 No. 1	March	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Fraser, D.G. & G.S. Ramsey	1967	Vol. 18 No. 2	June	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Fraser, D.G. & G.S. Ramsey	1967	Vol. 18 No. 3	September	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Fraser, D.G. & G.S. Ramsey	1967	Vol. 18 No. 4	December	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Fraser, D.G. & G.S. Ramsey	1968	Vol. 19 No. 1	March	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Fraser, D.G. & G.S. Ramsey	1968	Vol. 19 No. 2	June	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Fraser, D.G. & G.S. Ramsey	1968	Vol. 19 No. 3	September	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Fraser, D.G. & G.S. Ramsey	1968	Vol. 19 No. 4	December	Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.
Anon.	1969	Cumulative Index Book 3, Vol. 13 to 19, 1962 to 1968		Canada, Dept. of For. & Rural Dev., Forestry Br., F.F.R.I.

## FOREST FIRE CONTROL ABSTRACTS -- BOOK NO. 4

Fraser, D.G. & G.S. Ramsey	1969	Vol. 20 No. 1	March	Canada, Dept. of Fisheries and Forestry, Forestry Br., F.F.R.I.
Fraser, D.G. & G.S. Ramsey	1969	Vol. 20 No. 2	June	Canada, Dept. of Fisheries and Forestry, Forestry Br., F.F.R.I.

Fraser, D.G. and G.S. Ramsey	1969	Vol. 20 No. 3	September	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G. and G.S. Ramsey	1969	Vol. 20 No. 4	December	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G. and G.S. Ramsey	1970	Vol. 21 No. 1	March	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G. and G.S. Ramsey	1970	Vol. 21 No. 2	June	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G. and G.S. Ramsey	1970	Vol. 21 No. 3	September	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G. and G.S. Ramsey	1970	Vol. 21 No. 4	December	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G.S. Ramsey, T.W. Miles, and W.B. Crawford	1971	Vol. 22 No. 1	March	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G.S. Ramsey, T.W. Miles, and W.B. Crawford	1971	Vol. 22 No. 2	June	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.



Fraser, D.G., G.S. Ramsey, T.W. Miles and W.B. Crawford	1971	Vol. 22 No. 3 September	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G.S. Ramsey, T.W. Miles and W.B. Crawford	1971	Vol. 22 No. 4 December	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G.S. Ramsey, T.W. Miles and W.B. Crawford	1972	Vol. 23 No. 1 March	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G.S. Ramsey, T.W. Miles and N.G. Bruce	1972	Vol. 23 No. 2 June	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G.S. Ramsey, T.W. Miles and N.G. Bruce	1972	Vol. 23 No. 3 September	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G.S. Ramsey, T.W. Miles and N.G. Bruce	1972	Vol. 23 No. 4 December	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G.S. Ramsey, N.G. Bruce and T.W. Miles	1973	Vol. 24 No. 1 March	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.

Fraser, D.G., G. S. Ramsey, N. G. Bruce and T. W. Miles	1973	Vol. 24, No. 2 June	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G. S. Ramsey, N. G. Bruce and T. W. Miles	1973	Vol. 24, No. 3 September	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G. S. Ramsey, N. G. Bruce and T. W. Miles	1973	Vol. 24, No. 4 December	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G. S. Ramsey, N. G. Bruce and T. W. Miles	1974	Vol. 25, No. 1 March	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G. S. Ramsey, N. G. Bruce and T. W. Miles	1974	Vol. 25, No. 2 June	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G., G. S. Ramsey, N. G. Bruce and T. W. Miles	1974	Vol. 25, No. 3 September	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.

Précis de protection des forêts contre le feu

## Tome 1

Anon.	1950	Vol. 1 No. 1	mars	Canada, Ministère des ressources et du développement économique, Division des forêts.
Anon.	1950	Vol. 1 No. 2	juillet	Canada, Ministère des ressources et du développement économique, Division des forêts.
Anon.	1951	Vol. 2 No. 1	mars	Canada, Ministère des ressources et du développement économique, Division des forêts.
Anon.	1951	Vol. 2 No. 2	septembre	Canada, Ministère des ressources et du développement économique, Division des forêts.
Anon.	1952	Vol. 3 No. 1	février	Canada, Ministère des ressources et du développement économique, Division des forêts.
Anon.	1952	Vol. 3 No. 2	décembre	Canada, Ministère des ressources et du développement économique, Division des forêts.
Anon.	1953	Vol. 4 No. 1	juin	Canada, Ministère des ressources et du développement économique, Division des forêts.
Anon.	1953	Vol. 4 No. 2	décembre	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1954	Vol. 5 No. 1	juin	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.

Anon.	1954	Vol. 5 No. 2	décembre	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1955	Vol. 6 No. 1	juin	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1955	Vol. 6 No. 2	décembre	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.

# Répertoire général des volumes 1 à 6

## Tome 2

Anon.	1956	Vol. 7 No. 1	juin	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1956	Vol. 7 No. 2	décembre	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1957	Vol. 8 No. 1	juin	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1957	Vol. 8 No. 2	décembre	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1958	Vol. 9 No. 1	juin	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1958	Vol. 9 No. 2	décembre	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.
Anon.	1959	Vol. 10 No. 1	juin	Canada, Ministère du Nord canadien et des Ressources nationales, Division des forêts.

Anon.	1959	Vol. 10 No. 2	décembre	Canada, Ministère du nord canadien et des ressources nationales, Div. des forêts.
Anon.	1960	Vol. 11 No. 1	juin	Canada, Ministère des forêts, Dir. des recherches forestières.
Anon.	1960	Vol. 11 No. 2	décembre	Canada, Ministère des forêts, Direction des recherches forestières.
Anon.	1961	Vol. 12 No. 1	juin	Canada, Ministère des forêts, Dir. des recherches forestières.
Anon.	1961	Vol. 12 No. 2	décembre	Canada, Ministère des forêts, Dir. des recherches forestières.

## Index cumulatif - volumes 7 à 12

## Tome 3

Précis de répression des feux de forêts

Fraser, D.G.	1962	Vol. 13 No. 1	juin	Canada, Ministère des forêts, Dir. des recherches forestières.
Fraser, D.G.	1962	Vol. 13 No. 2	décembre	Canada, Ministère des forêts, Dir. des recherches forestières.
Fraser, D.G.	1963	Vol. 14 No. 1	juin	Canada, Ministère des forêts, Dir. des recherches forestières.
Fraser, D.G.	1963	Vol. 14 No. 2	décembre	Canada, Ministère des forêts, Dir. des recherches forestières.
Fraser, D.G.	1964	Vol. 15 No. 1	mars	Canada, Ministère des forêts, Dir. des recherches forestières.

Fraser, D.G.	1964	Vol. 15 No. 2	juin	Canada, Ministère des forêts, Dir. des recherches forestières.
Fraser, D.G.	1964	Vol. 15 No. 3	septembre	Canada, Ministère des forêts, Dir. des recherches forestières.
Fraser, D.G.	1964	Vol. 15 No. 4	décembre	Canada, Ministère des forêts, Dir. des recherches forestières.
Lockman, M.R.	1965	Vol. 16 No. 1	mars	Canada, Ministère des forêts, Inst. de recherches sur les feux de forêt.
Lockman, M.R.	1965	Vol. 16 No. 2	juin	Canada, Ministère des forêts, Inst. de recherches sur les feux de forêt.
Lockman, M.R.	1965	Vol. 16 No. 3	septembre	Canada, Ministère des forêts, Inst. de recherches sur les feux de forêt.
Lockman, M.R.	1965	Vol. 16 No. 4	décembre	Canada, Ministère des forêts, Inst. de recherches sur les feux de forêt.
Lockman, M.R.	1966	Vol. 17 No. 1	mars	Canada, Ministère des forêts et du développement rural, Institut de recherche sur les feux de forêt.
Lockman, M.R.	1966	Vol. 17 No. 2	juin	Canada, Ministère des forêts et du développement rural, Institut de recherche sur les feux de forêt.
Lockman, M.R.	1966	Vol. 17 No. 3	septembre	Canada, Ministère des forêts et du développement rural, Institut de recherche sur les feux de forêt.
Lockman, M.R.	1966	Vol. 17 No. 4	décembre	Canada, Ministère des forêts et du développement rural, Institut de recherche sur les feux de forêt.

MIMEOGRAPH REPORTS

This series replaced the earlier S and M - Mimeo Series. Reports of the Fire Research staff were included in the series along with those of other sections of the Forest Research Branch. There were three main types of report included in the series: project progress reports, manuscripts for review prior to publication, and reports to provide information on research results. The first two were printed in limited quantities largely for internal use within the Department while the latter type might receive fairly wide distribution outside the Department.

Separate number series were maintained for Head Office and for each of the District Offices of the Forest Research Branch. The various series can be identified by an initial in the number, e.g. 65-P-11.

The series was discontinued in 1966 and replaced with two series: Internal Reports and Information Reports.

Mimeograph Reports

		<u>Head Office Series</u>	<u>Series No.</u>
Machattie, L.B. & K.W. Horton	1962	A study of local climate in relation to planted conifers.	Canada, Dept. of Forestry, Forest Research Branch. HO-62-3
Mactavish, J.S.	1962	Critique of forest fire damage appraisal techniques used in Canada for estimating losses as reported in annual statistics. (Progress Report, Project F-39)	Canada, Dept. of Forestry, Forest Research Branch. HO-62-4
Joly, E.F.	1962	Chemicals for forest fire control -- bibliography.	Canada, Dept. of Forestry, Forest Research Branch. HO-62-6
Fraser, D.G.	1962	Determination of usefulness of various types of smoke generators in checking lookout coverage. (Progress Report, Project F-13)	Canada, Dept. of Forestry, Forest Research Branch. HO-62-7
Fraser, D.G.	1962	Survey of equipment available to protection agencies for forest fire control in Canada. (Progress Report, Project F-30).	Canada, Dept. of Forestry, Forest Research Branch. HO-62-8
Fraser, D.G.	1962	Investigation of the potential of the solo-sprayer duster to extinguish surface fires burning in light moderate pine fuels using dry powdered chemical extinguishants. (Progress Report, Project F-17)	Canada, Dept. of Forestry, Forest Research Branch. HO-62-9
Fraser, D.G.	1962	Test of glasses with didymium lenses to determine if they improve recognition of smoke during periods of poor visibility. (Progress Report, Project F-29).	Canada, Dept. of Forestry, Forest Research Branch. HO-62-10



## Series No.

Fraser, D.G.	1962	To convert test fire data to a form suitable for handling by data processing equipment. (Progress Report, Project F-33)	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-11
Fraser, D.G.	1962	Determination of the effectiveness of successive treatments of commercial herbicides in inhibiting or limiting vegetative growth on roadsides and fire breaks. (Progress Report, Project F-33).	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-12
Fraser, D.G.	1962	To design facilities for testing fire pump accessories and hose. (Progress Report, Project F-28).	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-13
Fraser, D.G.	1962	Preparation of abstracts of current literature dealing with forest fire control and research. (Progress Report, Project F-26).	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-14
Mactavish, J.S.	1962	Determination of the suitability of plastic bags as moisture-proof containers for samples of forest fuels. (Progress Report, Project F-43).	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-15
Mactavish, J.S.	1962	An evaluation of some recently marketed back-pack pumps, 1961. (Progress Report, Project F-40).	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-16
Joly, E.F. & D.G. Fraser	1962	Addendum to code manual mimeos 61-16 and 62-5. Revisions to fire behaviour and weather card layouts.	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-17
Fraser, D.G.	1962	Didymium glasses for smoke detection.	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-18 (also article)

## Series No.

Fraser, D.G., J.L. Adams, & J.W. Bell.	1962	Fire extinguisher demonstration, Centre Lake, National Forest Fire Control Conference, Petawawa Forest Experiment Station, September 25-27, 1962.	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-22
Macleod, J.C.	1962	Summary statement of forest fire situation and major problems in Canada.	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-23 (also paper)
Mactavish, J.S.	1962	Forest fire damage appraisal in Canada.	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-25 (also article & paper)
Chester, G.S.	1962	Report on field trip to Central Ontario.	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-26
Williams, D.E.	1962	The effect of exposure on slash inflammability.	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-27 (also paper & article)
Fraser, D.G.	1962	Symposium on aerial forest fire suppression - An introduction.	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-28 (also paper)
Adams, J.L.	1962	The use of hydrogen-filled balloons for the measurement of speed and direction of light winds.	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-29 (also article)
Fraser, D.G.	1962	Proposed forest fire report form.	Canada, Dept. of Forestry, Forest Research Branch.	HO-62-31
Williams, D.E.	1963	Slash-burning research in British Columbia - A problem analysis.	Canada, Dept. of Forestry, Forest Research Branch.	63-H-1
MacHattie, L.B.	1963	Comments on the meteorology of forest fire control and forest regeneration in Canada.	Canada, Dept. of Forestry, Forest Research Branch.	63-H-3 (also paper)
Williams, D.E.	1963	Forest fire danger rating in North America.	Canada, Dept. of Forestry, Forest Research Branch.	63-H-6 (also paper)

## Series No.

Mactavish, J.S.	1963	An evaluation of some recently marketed back-pack pumps (1961). (Progress Report, Project F-40)	Canada, Dept. of Forestry, Forest Research Branch.	63-H-7
Mactavish, J.S.	1963	Determination of the suitability of plastic bags as moisture proof containers for samples of forest fuels. (Progress Report, Project F-43)	Canada, Dept. of Forestry, Forest Research Branch.	63-H-8
Williams, D.E.	1963	Forest fire research. (Lecture given at Faculty of Forestry, University of Toronto, Jan. 15, 1963).	Canada, Dept. of Forestry, Forest Research Branch.	63-H-9 (also paper)
Williams, D.E.	1963	Determination of the influence of aspect, slope and duration of sunlight on the M/C of Douglas fir high-lead logging slash on Vancouver Island. (Progress Report, Project BC/601)	Canada, Dept. of Forestry, Forest Research Branch.	63-H-10
Chester, G.S.	1963	A method of preparing an edge-punched card literature reference file. (revised).	Canada, Dept. of Forestry, Forest Research Branch.	63-H-11 (also article & reprint)
Fraser, D.G.	1963	Determination of the usefulness of various types of available smoke generators. (Progress Report, Project F-13).	Canada, Dept. of Forestry, Forest Research Branch.	63-H-14
Fraser, D.G.	1963	Determination of the effectiveness of successive treatments of commercial herbicides for inhibiting or limiting vegetative growth on roadsides and firebreaks. (Progress Report, Project F-20).	Canada, Dept. of Forestry, Forest Research Branch.	63-H-15
Fraser, D.G.	1963	Preparation of abstracts of current literature dealing with forest fire control and research. (Progress Report, Project F-26).	Canada, Dept. of Forestry, Forest Research Branch.	63-H-16

## Series No.

Fraser, D.G.	1963	Investigation of the potential of the Solo Sprayer-duster to extinguish surface fires burning in light and moderate pine fuels using dry chemical extinguishants. (Progress Report, Project F-27).	Canada, Dept. of Forestry, Forest Research Branch.	63-H-17
Mactavish, J.S.	1963	Summary of provincial forest fire damage appraisal methods. (Report for Departmental Committee on Forest Losses).	Canada, Dept. of Forestry, Forest Research Branch.	63-H-18
Fraser, D.G.	1963	Report on performance test of Gorman-Rupp fire pump.	Canada, Dept. of Forestry, Forest Research Branch.	63-H-21
Williams, D.E.	1963	Report on experimental control burns, Newfoundland, September 1963.	Canada, Dept. of Forestry, Forest Research Branch.	63-H-23
Fraser, D.G.	1963	Extinguishers for fires started by power saws.	Canada, Dept. of Forestry, Forest Research Branch.	63-H-25 (also Pbn. No.1058)
Macleod, J.C.	1963	Brief report on forest fire control in Canada for Fire Control Working Group, North American Forestry Commission Meeting at Mexico City, November 4-6, 1963.	Canada, Dept. of Forestry, Forest Research Branch.	63-H-26
Macleod, J.C.	1963	Brief report on trip to Mexico, November 1963.	Canada, Dept. of Forestry, Forest Research Branch.	63-H-28
Williams, D.E.	1964	A report on the Western Forest Fire Committee Annual Meeting, San Francisco, December 9, 1963.	Canada, Dept. of Forestry, Forest Research Branch.	64-H-3
Mactavish, J.S.	1964	Forest fires on Canadian Farm Woodlots, 1956-60. Report presented to the Twelfth Annual Meeting of the Associate Committee on Forest Fire Protection, N.R.C.	Canada, Dept. of Forestry, Forest Research Branch.	64-H-4 (also paper)

## Series No.

MacHattie, L.B.	1964	Radiation screens for air temperature measurement.	Canada, Dept. of Forestry, For.Res.Br.	64-H-5 (article & reprint)
Williams, D.E.	1964	Forest fire research in North America.	Canada, Dept. of Forestry, For.Res.Br.	64-H-6 (also paper)
Williams, D.E.	1964	Forest fire danger rating.	Canada, Dept. of Forestry, For.Res.Br.	64-H-7 (also paper)
Joly, E.F.	1964	Bibliography - Selected references on chemicals for fire suppression with special emphasis on forest fire control.	Canada, Dept. of Forestry, For.Research Br.	64-H-9
Mactavish, J.S.	1964	Appraising fire damages to mature forest stands.	Canada, Dept. of Forestry, For.Res.Br.	64-H-14 (also Pbn. No. 1162 and paper)
Williams, D.E.	1964	Distribution of drought indexes, Manitoba - Saskatchewan.	Canada, Dept. of Forestry, For.Res.Br.	64-H-15
Kourtz, P.H.	1964	Scheduling aircraft for forest fire detection.	Canada, Dept. of Forestry, For.Res.Br.	64-H-17 (also article)
Mactavish, J.S.	1964	Economics and forest fire control.	Canada, Dept. of Forestry, For.Res.Br.	64-H-19 (Pbn. No. 1114 and paper)
Fraser, D.G.	1964	Aircraft for forest fire control in Canada.	Canada, Dept. of Forestry, For.Res.Br.	64-H-20
Kourtz, P.H.	1965	Lightning behaviour and lightning fires in Canadian forests.	Canada, Dept. of Forestry, For.Res.Br.	65-H-1 (also Pbn. No. 1179)
Fraser, D.G. & E.F. Joly	1965	Codes for IBM fuel moisture cards used to record moisture content of oven-dried fuel samples and fuel moisture indicators.	Canada, Dept. of Forestry, For.Res.Br.	65-H-2

## Series No.

Macleod, J.C.	1965	Forest protection, some activities in 1964.	Canada, Dept. of Forestry, For. Res. Br.	65-H-3 (also article)
Fraser, D.G.	1965	The Solo Sprayer-duster as a tool for forest fire control.	Canada, Dept. of Forestry, For. Res. Br.	65-H-4 (also Pbn. No. 1167).
Kourtz, P.H.	1965	A cost analysis of a lookout-aircraft forest fire detection system.	Canada, Dept. of Forestry, For. Res. Br.	65-H-6

Alberta Series

Kiil, A.D.	1964	A problem analysis of forest fire research in Alberta.	Canada, Dept. of Forestry, For. Res. Br.	64-A-3
Kiil, A.D.	1964	A study of slash hazard and flammability on cut-overs in Alberta. Progress Report.	Canada, Dept. of Forestry, For. Res. Br.	64-A-4
Kiil, A.D.	1964	A preliminary study of the physical characteristics and moisture content of clearcut lodgepole pine and white spruce slash in Alberta.	Canada, Dept. of Forestry, For. Res. Br.	64-A-5
Kiil, A.D.	1964	On describing and measuring locality, fuels and fire intensity of prescribed burns.	Canada, Dept. of Forestry, For. Res. Br.	64-A-11
Kiil, A.D.	1965	A problem analysis of forest fire research in Alberta. (Revised)	Canada, Dept. of Forestry, For. Res. Br.	65-A-2
Kiil, A.D.	1964	Slash weight and size distribution of white spruce and lodgepole pine.	Canada, Dept. of Forestry, For. Res. Br.	65-A-5 (also article)

B.C. Series

Williams, D.E.	1962	Determination of the influence of aspect, slope and duration of sunlight on the moisture content of Douglas fir high-lead logging slash on Vancouver Island. (Progress Report Project B.C. 601)	Canada, Dept. of Forestry, For. Res. Branch	B.C. 62-1
----------------	------	---	---	-----------

				Series No.
Williams, D.E.	1962	Fire danger rating and fire experience in the Cariboo.	Canada, Dept. of Forestry, Forest Research Branch.	B.C. 62-2 (also article & reprint)
Williams, D.E.	1962	A report on a visit to forest research centres along the West Coast of the United States, March, 1961.	Canada, Dept. of Forestry, Forest Research Branch.	B.C. 62-3
Muraro, S.J.	1962	Development of a method for the evaluation of forest fuels in the southern interior of British Columbia. (Progress Report, Project B.C. 603)	Canada, Dept. of Forestry, Forest Research Branch.	B.C. 62-5
Muraro, S.J.	1962	The effect of degree of slope on fuel moisture and related parameters.	Canada, Dept. of Forestry, Forest Research Branch.	B.C. 62-6 (also paper)
Muraro, S.J.	1963	Report on attendance at the Western Forest Fire Research Committee Annual Meeting, Seattle, Washington, U.S.A. December 11, 1962.	Canada, Dept. of Forestry, Forest Research Branch.	63-BC-1
Muraro, S.J.	1963	Preliminary investigations of climatic variation in relation to the topography of mountainous terrain in British Columbia. (Project B.C. 602 - Phase I)	Canada, Dept. of Forestry, Forest Research Branch.	63-BC-4
Muraro, S.J.	1963	Surface area of fine fuel components as a function of weight.	Canada, Dept. of Forestry, Forest Research Branch.	63-BC-5 (also Pbn. No. 1080)
Muraro, S.J.	1963	A method of measuring fire rate-of-spread in extracted samples of ground vegetation.	Canada, Dept. of Forestry, Forest Research Branch.	63-BC-8 (also Pbn. No. 1081)
Muraro, S.J.	1963	The Wap Burn.	Canada, Dept. of Forestry, Forest Research Branch.	64-BC-1 (also article)

## Series No.

Muraro, S.J.	1964	Stabilization of slash samples.	Canada, Dept. of Forestry, Forest Research Branch.	64-BC-2 (also article)
Muraro, S.J.	1964	Lodgepole pine logging slash.	Canada, Dept. of Forestry, Forest Research Branch.	64-BC-5 (also Pbn. No. 1153)

Maritime Series

Paul, P.M.	1963	The Maritime forest fire weather network.	Canada, Dept. of Forestry, Forest Research Branch.	63-M-8 (also paper)
Paul, P.M.	1963	Forecasting forest fire danger in the Maritime Provinces.	Canada, Dept. of Forestry, Forest Research Branch.	63-M-20 (also Pbn. No. 1047).
Paul, P.M.	1964	Field practices in forest fire danger rating.	Canada, Dept. of Forestry, Forest Research Branch.	64-M-4

Manitoba and Saskatchewan Series

Chester, G.S. & J.L. Adams	1963	Checklist of wildfire observations and checklist of equipment for wildfire observation.	Canada, Dept. of Forestry, Forest Research Branch.	63-MS-19
Adams, J.L.	1964	Fires and forest fire danger rating in Southern Manitoba	Canada, Dept. of Forestry, Forest Research Branch.	64-MS-11

Newfoundland Series

Howard, E.W.	1963	Prescribed burn at Fishels' Brook in Southeastern Nfld.	Canada, Dept. of Forestry, Forest Research Branch.	63-N-5
Howard, E.W.	1965	Experimental prescribed burning experience in Western Canada and subsequent proposals for Newfoundland.	Canada, Dept. of Forestry, Forest Research Branch.	65-N-1

Ontario Series

Chrosciewicz, Z.	1962	Experimental burning of slash and humus for seedbed improvement on various jack pine sites.	Canada, Dept. of Forestry, Forest Research Branch.	Ont. 62.2
------------------	------	---	--	-----------



N-10  
Series No.

Chrosciewicz, Z.	1963	Experimental burning of slash and humus for seedbed improvement on various jack pine sites.	Canada, Dept. of Forestry, Forest Research Branch.	63-0-1
Chester, G.S. & E.J. Hopkins	1963	Report on an unusual potential cause of forest fires.	Canada, Dept. of Forestry, Forest Research Branch.	63-0-15 (also article)
Chrosciewicz, Z.	1964	Experimental burning of slash and humus for seedbed improvement on various jack pine sites.	Canada, Dept. of Forestry, Forest Research Branch.	64-0-9
Chester, G.S.	1965	Studies of the use of aircraft in forest fire control. Prepared for presentation at the 13th Ann. Mtg. of the Assoc. Comm. on Forest Fire Protection. (Progress Report).	Canada, Dept. of Forestry, Forest Research Branch.	65-0-2
Chester, G.S., & J.P. de Lestard	1965	Useful questions in assessing the need for air tankers.	Canada, Dept. of Forestry, Forest Research Branch.	65-0-5
Chrosciewicz, Z.	1965	Experimental burning for humus disposal on clear-cut jack pine sites in central Ontario.	Canada, Dept. of Forestry, Forest Research Branch.	65-0-11 (also Pbn. Nos. 1181 and 1181F)

Petawawa Series

Van Wagner, C.E. & J.W. Bell	1962	Required oven time for moisture content determination in forest fire research. (Progress Report, Project F-601).	Canada, Dept. of Forestry, Forest Research Branch.	Pet. 62-6
Van Wagner, C.E.	1962	Seasonal variation in foliar moisture content of five coniferous and two broad-leaved eastern Canadian tree species. (Project Plan, Project P-614).	Canada, Dept. of Forestry, Forest Research Branch.	Pet. 62-9
Van Wagner, C.E.	1962	The effect of moisture content on the proportion of duff removed by fire. (Progress Report, Project P-602).	Canada, Dept. of Forestry, Forest Research Branch.	Pet. 62-10

Van Wagner, C.E.	1962	An exploratory prescribed experiment in red and white pine.	Canada, Dept. of Forestry, Forest Research Branch.	Pet. 62-14 (also Pbn. No. 1020)
Van Wagner, C.E.	1962	On the value of a numerical concept of fire intensity.	Canada, Dept. of Forestry, Forest Research Branch.	Pet. 62-15 (also article and paper)
Van Wagner, C.E.	1962	Seasonal variation in foliar moisture content of five coniferous and two broad-leaved eastern Canadian tree species. (Progress Report, Project P-614).	Canada, Dept. of Forestry, Forest Research Branch.	Pet. 62-19
Van Wagner, C.E.	1963	The effect of moisture content on the proportion of duff removed by fire. (Progress Report, Project P-602).	Canada, Dept. of Forestry, Forest Research Branch.	63-P-1
Van Wagner, C.E.	1963	Theoretical temperatures in idealized forest fire flames.	Canada, Dept. of Forestry, Forest Research Branch.	63-P-3
Van Wagner, C.E.	1963	History of a small crown fire.	Canada, Dept. of Forestry, Forest Research Branch.	63-P-4 (also article)
Van Wagner, C.E.	1963	A comparison of the oven-drying and xylene distillation methods of determining moisture content in forest fuels and foliage. (Progress Report, Project P-601).	Canada, Dept. of Forestry, Forest Research Branch.	63-P-6
Van Wagner, C.E.	1963	Revision of the forest fire control plan for the Petawawa Forest Experiment Station. (Progress Report, Project P-603).	Canada, Dept. of Forestry, Forest Research Branch.	63-P-7
Van Wagner, C.E.	1963	Equilibrium moisture content of several species of coniferous and deciduous leaf litter at various temperatures and relative humidities. (Progress Report, Project P-605).	Canada, Dept. of Forestry, Forest Research Branch.	63-P-8

## Series No.

Van Wagner, C.E.	1963	Three aspects of Project P-611. 1. Variation of wind speed within eight feet of the ground. 2. Combined effect of wind and sun on the surface duff temperature. 3. Weather factors and the drying behaviour of jack pine duff. (Progress Report, Project P-611).	Canada, Dept. of Forestry, Forest Research Branch.	63-P-9
Van Wagner, C.E.	1963	On working fire behaviour data into forest fire control planning.	Canada, Dept. of Forestry, Forest Research Branch.	63-P-19 (also paper)
Van Wagner, C.E.	1964	Seasonal variation in foliar moisture content of five coniferous and two broad-leaved eastern Canadian tree species. (Progress Report, Project P-614).	Canada, Dept. of Forestry, Forest Research Branch.	64-P-3
Van Wagner, C.E.	1964	Energy production and temperatures in low intensity forest fires. (Progress Report, Project P-616).	Canada, Dept. of Forestry, Forest Research Branch.	64-P-4
Van Wagner, C.E.	1964	Behaviour of several controlled burns in jack pine slash. (Progress Report, Project P-617).	Canada, Dept. of Forestry, Forest Research Branch.	64-P-5
Van Wagner, C.E.	1964	Fire description and fuel types.	Canada, Dept. of Forestry, Forest Research Branch.	64-P-6 (also paper)
Bell, J.W. & C.E. Van Wagner	1964	A comparison of the Xerometer with two other means of estimating fine fuel moisture content.	Canada, Dept. of Forestry, Forest Research Branch.	64-P-7
Van Wagner, C.E.	1964	Weather factors affecting the drying rate of the top layer of forest duff. Progress Report.	Canada, Dept. of Forestry, Forest Research Branch.	64-P-8

## Series No.

Van Wagner, C.E.	1964	The effect of the earth's curvature in visibility mapping.	Canada, Dept. of Forestry, Forest Research Branch.	64-P-16 (also article)
Van Wagner, C.E.	1965	Three controlled fires in jack pine slash.	Canada, Dept. of Forestry, Forest Research Branch.	65-P-4 (also Pbn. 1146)
Van Wagner, C.E.	1965	Calculations on surface fire spread by radiation.	Canada, Dept. of Forestry, Forest Research Branch.	65-P-8

End of Series

PROJECT PROGRESS REPORTS

These reports have appeared in various forms over the years, some were a typed file copy only, others were mimeographed for distribution and of these some were included in the Mimeograph Report series.

This listing, taken from the Institute's file records, may not be complete.

The Binder numbers refer to bound file copies of reports. These are now held by Project Records section of the Program Coordination Directorate, Canadian Forestry Service and are available on loan.

Project Progress Reports (Head Office)

<u>Title</u>	<u>Project No.</u>	<u>Progress Report</u>	<u>Date</u>	<u>Author</u>
A study of the comparative effectiveness of water treated with wetting agents for extinguishing small fires in sawdust	F-1	Typed copy	1961	D.G. Fraser
Development of a revised drought index table for use in forest fire danger tables	F-3 Binder # 1856	No number	1960	D.E. Williams
Determination of the effect of field use on the efficiency of our mildew proofers used on forestry hose	F-7	Typed copy	1961	D.G. Fraser
Determination of the effect of successive wettings and dryings on the strength of unlined linen forestry hose	F-8	Typed copy	1961	D.G. Fraser
Determination of the usefulness of various types of smoke generators in checking lookout coverage	F-13 Binder # 2016	Typed copy HO-62-7 63-H-14 No number	1961 1962 1963 1964	D.G. Fraser
Determination of the effectiveness of successive treatments of commercial herbicides in inhibiting or limiting vegetative growth on roadsides and firebreaks	F-20 Binder # 2017	Typed copy HO-62-12 63-H-15 No number	1961 1962 1963 1964	D.G. Fraser
Preparation of abstracts of current literature dealing with forest fire control and research	F-26	Typed copy HO-62-14 63-H-16 No number	1961 1962 1963 1964	D.G. Fraser
To investigate the potential of the Solo Sprayer-duster to extinguish surface fires burning in light and	F-27 Binder # 1844 & 2072	Typed copy HO-62-9 63-H-17 Unnumbered	1961 1962 1963 1964	D.G. Fraser

Project Progress Reports (Head Office) (Cont'd)

<u>Title</u>	<u>Project No.</u>	<u>Progress Report</u>	<u>Date</u>	<u>Author</u>
To design facilities for testing fire pumps, pump accessories, and hose	F-29	Typed copy HO-62-13	1961 1962	D.G. Fraser
Test of glasses with didymium lenses to determine if they improve recognition of smoke during periods of poor visibility	F-29	HO-62-10 (Completed)	1962	D.G. Fraser
Survey of equipment available to protection agencies for forest fire control in Canada	F-30	Typed copy HO-62-8	1961 1962	D.G. Fraser
To prepare a prototype forest fire report form suitable for use on a country-wide basis which will be compatible with mechanical data processing techniques	F-32	Typed copy	1961	D.G. Fraser
To convert test fire data to a form suitable for handling by IBM data processing equipment	F-33	HO-62-11	1962	D.G. Fraser
Critique of forest fire damage appraisal techniques used in Canada for estimating losses as reported in annual statistics	F-39 Binder # 2202	HO-62-4	1962	J.S. Mactavish
An evaluation of some recently marketed back-pack pumps (1961)	F-40	HO-62-16 63-H-7	1962 1963	J.S. Mactavish
Determination of the suitability of plastic bags as moisture-proof containers for samples of forest fuels	F-43	HO-62-15 63-H-8	1962 1963	J.S. Mactavish

Project Progress Reports (Petawawa Series)

<u>Title</u>	<u>Project No.</u>	<u>Progress Report</u>	<u>Date</u>	<u>Author</u>
A comparison of the oven drying and xylene distillation methods of determining moisture content in forest fuels and foliage	P-601	Pet. 62-6 63-P-6	1962 1963	C.E. Van Wagner
The effect of moisture content on the proportion of duff removed by fire	P-602	Pet. 62-10 63-P-1	1962 1963	C.E. Van Wagner
Revision of the forest fire control plan for the Petawawa Forest Experiment Station	P-603	63-P-7	1963	C.E. Van Wagner
Equilibrium moisture contents of several species of coniferous and deciduous leaf litter at various temperatures and relative humidities	P-605 Binder # 2193	63-P-8	1963	C.E. Van Wagner
Weather factors affecting the drying rate of the top layer of forest duff	P-611 Binder # 2192	No Number 63-P-9	1965 1963	C.E. Van Wagner
Seasonal variation in foliar moisture content of five coniferous and two broad- leaved eastern Canadian tree species	P-614	Pet. 62-9 64-P-3	1962	C.E. Van Wagner
Energy production and temperatures in low intensity forest fires	P-616	No Number 64-P-4	1965 1964	C.E. Van Wagner
Behaviour of several controlled burns in jack pine slash	P-617	64-P-5	1964	C.E. Van Wagner
Drying and wetting rates of duff layers of various thicknesses	P-618	No Number	1965	C.E. Van Wagner



Binder Reports

0-4

Author	Year	Title	Binder No.
Chrosciewicz, Z.	1957	Controlled burning and seeding on jack pine cut-over, K.V.P. Company Limits, West Branch Spanish River.	1360
Chrosciewicz, Z.	1957	Controlled burning with seed trees, K.V.P. Company Limits, West Branch Spanish River.	1362
Chrosciewicz, Z.	1958	Slash burning experiment for seed-bed improvement on various jack pine sites, K.V.P. Company Limits, Espanola, Ontario.	1510
Williams, D.E.	1958	Report on inflated floats for power pump intake.	1572
Hannaford, W.A.	1958	Outline of operational plan for prescribed burning, Swan Lake Research Reserve, Algonquin Park, together with the report on the experiment.	1600
Williams, D.E.	1959	Report on Ontario Forest Protective Supervisors Conference - North Bay, Ontario, February 25-26, 1959.	1645
Winkworth, A.V.	1959	Report on the fire behaviour studies conducted in the Sudbury area during the summer of 1958.	1677
Winkworth, A.V.	1959	Fuel type studies in Ontario -- Report on trip to Parry Sound, April 5-8, 1959.	1678
Williams, D.E.	1959	Report on Lower Ottawa Forest Protective Association, Inspectors Conference, Hull, P.Q. April 8-9, 1959.	1679
Hannaford, W.A.	1959	Report on visit to the Fire Research Laboratory, Division of Building Research, National Research Council, Feb. 1-27, 1959.	1681
Winkworth, A.V.	1959	Report on the demonstration of the use "Firebrake", Sudbury, Ontario May 20, 1959.	1703
Hannaford, W.A.	1959	The correlation between moisture content and rate of burning of single needles of four conifers.	1736

## Binder No.

Williams, D.E.	1959	Report on experimental control-burn near Blackville, New Brunswick.	1738
Hannaford, W.A.	1959	Progress Report: Laboratory study of six coniferous needle fuels to determine the equilibrium moisture content at various relative humidities.	1741
Hannaford, W.A.	1959	Progress Report: Preliminary trial of operating and experimental techniques for use with experimental prescribed fires at Petawawa, 1959.	1744
Mactavish, J.S.	1960	Progress Report (1959): Forest fire research, Vancouver Island, B.C.	1826
Paul, P.M.	1960	Progress Report (1959): Forest fire research, 100 Mile House, B.C.	1827
Macleod, J.C.	1960	Report on Western trip, June 13-24, 1960.	1909
Winkworth, A.V.	1960	Progress Report: Fire behaviour studies conducted in the Parry Sound Forest District during the summer of 1959 and 1960.	1960
Kiil, A.D.	1961	Progress Report: Survey of the physical factors related to lightning as a cause of forest fires.	1982
Winkworth, A.V.	1961	Final Report: Prescribed burning, Tweed Forest District, 1960.	1996
Kiil, A.D.	1961	A review of literature concerned with aerial suppression of forest fires.	2024
Péché, Gy.	1961	Prog. Rept.: The temperature aspect of mesoclimate - An introductory study.	----
Chrosciewicz, Z.	1961	Experimental burning of slash and humus for seedbed improvement on various jack pine sites.	2041
Van Wagner, C.E.	1961	Report on a trip to the Lake States Forest Experiment Station -- "Impressions on experimental prescribed burning in Minnesota."	2103
Kiil, A.D.	1961	Progress Report: Forest fire research, Fort Smith, N.W.T., 1961.	2106

## Binder No.

Bell, J.W.	1961	An instrument for measuring fine forest fuel moisture.	2109
Williams, D.E.	1961	Report on a trip to Missoula, Montana, Oct. 31 to Nov. 6, 1961: "Meeting of Intermountain Forest Fire Research Council."	2131
Fraser, D.G.	1962	Forest fires -- The tools of the trade.	2165
Muraro, S.J.	1962	Report on attendance at the Western Forest Fire Research Committee Mtg., Portland, Oregon, Dec. 4-5, 1961.	2170
Van Wagner, C.E.	1962	Final Report: Trial of operating techniques for use with experimental prescribed fires.	2171
Van Wagner, C.E.	1962	Progress Report: A method of measuring the depth, weight and moisture content of the organic soil horizon in separate layers.	2177
MacHattie, L.B. & K.W. Horton	1962	A study of local climate in relation to planted conifers.	2179

INTERNAL REPORTS

This series replaces the old Mimeograph Report series for reports designed for limited distribution, chiefly within the Department. The reports have a standard 8½ x 11 format with a yellow cover. They are issued by all Institutes and Regions within the Department, each unit maintaining its own series numbers. Those of the Forest Fire Research Institute begin with FF-1. Reports by fire research staff in the Regional Offices are included within the Regional series.

Alberta Regional Laboratory  
Internal Report Series (A)

**Note:** *The Alberta Regional Laboratory has been renamed the Northern Forest Research Centre. This series will continue on page P-NOR-1.*

Kiil, A.D.	1966	Three prescribed burns in 1-year-old white spruce slash.	Canada, Dept. of Forestry, Alta/Terr Region, For. Research Lab., Calgary, Alta.	A-6
Kiil, A.D.	1968	Changes in the physical characteristics and moisture content of pine and spruce-fir slash during the first five years after logging.	Canada, Dept. of Forestry & Rural Development, Forestry Branch, Forest Research Laboratory, Edmonton, Alta.	A-14
Grigel, J.E.	1969	Preliminary evaluation of TX-350 -- A new long-term fire retardant.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, Forest Research Lab., Edmonton, Alta.	A-20
Grigel, J.E.	1969	Evaluation of the nitrogen - injection system for mixing gelgard fire retardant in the PBY Canso water-bomber.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, Forest Research Lab., Edmonton, Alta.	A-21
Grigel, J.E.	1969	An injector for mixing gelgard fire retardant on land-based airtanker operations.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, Forest Research Lab., Edmonton, Alta.	A-22
Quintilio, D.	1970	Preliminary guidelines for prescribed burning in lodgepole pine slash.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Lab., Edmonton, Alta.	A-30
Grigel, J.E.	1970	The use of airtankers for fire suppression in Canada.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Lab., Edmonton, Alta.	A-33

Kiil, A.D.	1970	Distribution of moisture in spruce-fir duff and its relevance to fire danger rating.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Lab., Edmonton, Alberta.	A-34
Lesko, G.L.	1971	Early effects of prescribed fire in spruce-fir slash on some soil properties.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Lab., Edmonton, Alberta.	A-44

Pacific Forest Research Centre  
 Victoria, British Columbia  
 Internal Report Series (B.C.)

Pech, Gy.	1966	Limitations of a plastic hygrothermograph shelter.	Canada, Dept. of Forestry, Forest Research Laboratory, Victoria, B.C.	BC-3
Russell, R.N. and Gy. Pech	1968	Development of burning index tables for white spruce-alpine fir and lodgepole pine forest cover-types in the Prince George Forest District. (an establishment and progress report)	Canada, Dept. of Forestry, Forest Research Laboratory, Victoria, B.C.	BC-8
Muraro, S.J. and M.H. Hughes	1971	A comparison of fuel moisture influences under two lodgepole pine stands.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Victoria, B.C.	BC-10
Lafferty, R.R.	1972	Regeneration and plant succession as related to fire intensity on clear-cut logged areas in coastal cedar-hemlock type. (an interim report)	Canada, Dept. of the Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C.	BC-33
Lawson, B.D.	1972	Fire spread in lodgepole pine stands.	Canada, Dept. of the Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C.	BC-36
Muraro, S.J. and E. Ackroyd	1973	A temperature monitoring system for fire research.	Canada, Dept. of the Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C.	BC-38

Forest Fire Research Institute  
Internal Report Series (FF)

Kourtz, P.H.	1965	Evaluation of a hand held fire detector.	Canada, Dept. of Forestry, F.F.R. Institute, Ottawa, Ontario.	FF-1
Williams, D.E. & P.H. Kourtz	1965	An assessment of the airborne infrared fire detection system AFDS-2.	Canada, Dept. of Forestry, F.F.R. Institute, Ottawa, Ontario.	FF-2
Kourtz, P.H.	1966	Manuscript assembly and revision aids.	Canada, Dept. of Forestry & Rural Development, F.F.R. Institute, Ottawa, Ontario.	FF-3
MacHattie, L.B.	1967	Kananaskis Valley winds in summer	Canada, Dept. of Forestry & Rural Development, F.F.R.I., Ottawa, Ontario.	FF-4 (also article and reprint)
McLean, D.L.	1967	An operational trial of the skidder-mounted foam generator.	Canada, Dept. of Forestry & Rural Development, F.F.R.I., Ottawa, Ontario.	FF-5
McLean, D.L.	1968	Design of a damage appraisal system.	Canada, Dept. of Forestry & Rural Development, F.F.R.I., Ottawa, Ontario.	FF-6
Fraser, D.G.	1968	Under pressure.	Canada, Dept. of Forestry & Rural Development, F.F.R.I., Ottawa, Ontario.	FF-7
Williams, D.E., D.L. McLean & B.S. Hodgson	1968	The use of the air-tanker in forest fire suppression.	Canada, Dept. of Forestry & Rural Development, F.F.R.I., Ottawa, Ontario.	FF-8



Péché, Gy. & D.J. Mossop	1969	Report on the field tests with the remote control fire weather station. Part I - Gy. Péché Part II - D.J. Mossop, Computing Devices of Canada.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I., Ottawa, Ontario.	FF-9
Simard, A.J.	1969	Evaluation of forest fires with respect to requirements for aircraft.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-10
Sontrop, J.W.	1969	A trial of a water thickener as a short-term fire retardant.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-11
Simard, A.J.	1970	Computer program to calculate the Canadian forest fire weather index.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-12
McLean, D.L.	1970	Economic determinants of an optimal level of forest fire protection.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-13
Valenzuela, J.M. & P.H. Kourtz	1970	An analysis of the forest fire detection alternatives in a 7,000 square mile area in Manitoba.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-14
Simard, A.J. & R.B. Forster	1971	An analysis of the use of aircraft for forest fire suppression: model development.	Canada, Dept. of the Environment, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-15

P-FF-3

Kourtz, P.H.	1972	The role of a high altitude airborne infrared forest fire detection system in eastern Canada.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-16
Simard, A.J. & R.B. Forster	1972	A survey of airtankers and their use.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-17

Maritimes Regional Laboratory  
Internal Report Series (M)

Goldrup, B.T.	1968	The use of a synoptic weather station in forecasting forest fire danger for the Maritime Provinces.	Canada, Dept. of Forestry and Rural Development, Forestry Branch, Forest Research Laboratory, Fredericton, New Brunswick.	M-28
Goldrup, B.T.	1970	The accuracy in forecasting forest fire danger for the Maritime Provinces, 1964 to 1969.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Fredericton, N.B.	M-54

Newfoundland Regional Laboratory  
Internal Report Series (N)

Howard, E.W.	1970	A critique of the proposed Canadian fire weather index.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, St. John's, Nfld.	N-22
--------------	------	---	---	------

Northern Forest Research Centre  
Edmonton, Alberta  
Internal Report Series (NOR)  
(See also Alberta Regional Laboratory, page P-A-1)

Niederleitner, J.	1971	Remote sensing in forest fire control. Report on Symposium June 1971, Missoula, Montana.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-1
Lieskovsky, R.J.	1971	Drop pattern for Twin Otter Membrane Tank System.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-2
Grigel, J.E. & R.J. Lieskovsky	1972	A comparison study of the B-26 and Thrush Commander airtankers for dropping retardant in Alberta.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-6
Niederleitner, J. & G.R. Lait	1972	Tivicon television camera - a new fireline reconnaissance tool; laboratory trials.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-15

Great Lakes Forest Research Centre  
Sault Ste. Marie, Ontario  
Internal Report Series (0)

Stocks, B.J.	1971	Analysis of the fire weather index in Ontario (1963 to 1968).	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Sault Ste. Marie, Ontario.	0-25
Walker, J.D.	1971	Three 1970 fires in Geraldton Forest District.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Sault Ste. Marie, Ontario.	0-27
Stocks, B.J.	1971	Development of a jack pine slash burning index in Ontario.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Sault Ste. Marie, Ontario.	0-29

Petawawa Forest Experiment Station  
Internal Report Series (PS)

Van Wagner, C.E. 1965	The Line Intersect method of fuel sampling.	Canada, Dept. of Forestry, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-1 (also article)
Van Wagner, C.E. 1968	Duff moisture content profiles at Petawawa.	Canada, Dept. of Forestry, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-8
Van Wagner, C.E. 1969	First progress report on fire danger development work at Petawawa - April 1968.	Canada, Dept. of Fisheries and Forestry, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-14
Van Wagner, C.E. 1969	Second progress report on fire danger development work at Petawawa - July 1968.	Canada, Dept. of Fisheries and Forestry, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-15
Van Wagner, C.E. 1969	Third progress report on fire danger development work at Petawawa - November 1968.	Canada, Dept. of Fisheries and Forestry, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-16
Van Wagner, C.E. 1969	Fourth progress report on fire danger development work at Petawawa - April 1969.	Canada, Dept. of Fisheries and Forestry, Petawawa Forest Experiment Station, Chalk River, Ont.	PS-17
Van Wagner, C.E. 1970	On the value of temperature data in forest fire research.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-20
Engisch, R.L. & J.D. Walker 1971	PDP 8L version of Simard's fire weather index program.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-23

INFORMATION REPORTS

This series replaces, in part, the old Mimeo Series (Section E) and Mimeograph Report series (Section N). They are designed to provide information on the results of a research project more rapidly than a more formal publication. They are produced in a standard 8½ x 11 format with green covers. Distribution is arranged by the unit issuing the report and varies depending upon the content and possible application or need for information. Each Institute and Regional Office within the Department maintains its own number series. Those of the Forest Fire Research Institute begin with FF-X-1.

Reports published by the Fire Research staff of the various Regional offices of the Department are included in this list by Regions.



Alberta Regional Laboratory  
Information Report Series (A-X)

*Note: The Alberta Regional Laboratory has been renamed the Northern Forest Research Centre. This series will continue on page Q-NOR-X-1.*

Kiil, A.D.	1969	Basic considerations in the planning and use of prescribed fire.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, Forest Research Lab., Edmonton, Alberta.	A-X-21
Kiil, A.D. & J.E. Grigel	1969	The May 1968 forest conflagrations in central Alberta -- a review of fire weather, fuels and fire behavior.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, Forest Research Lab., Edmonton, Alta.	A-X-24
Kiil, A.D. & D. Quintilio	1969	Occurrence and behaviour of forest fires related to fire danger rating in Alberta, 1957-1963.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Lab., Calgary, Alta.	A-X-25
Kiil, A.D.	1970	An assessment of fire hazard on seismic lines in Alberta.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Lab., Edmonton, Alta.	A-X-32
Kiil, A.D.	1970	Effects of spring burning on vegetation in old partially cut spruce-aspen stands in east-central Alberta.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Lab., Edmonton, Alta.	A-X-33
Grigel, J.E.	1970	Fire retardants and their use in Western Canada.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Lab., Edmonton Alta.	A-X-38

Q-A-X-2

Quintilio, D., 1971  
R. Ponto &  
I.B. Frew

Sprinkler system  
for use in prescribed  
burning.

Canada, Dept. of  
Fisheries and  
Forestry, Canadian  
Forestry Service,  
Forest Research  
Lab., Edmonton,  
Alta.

A-X-41

Pacific Forest Research Centre  
 Victoria, British Columbia  
 Information Report Series (BC-X)

Henderson, R.C. & S.J. Muraro	1968	Effect of organic layer moisture on prescribed burning.	Canada, Dept. of Forestry and Rural Development, Forestry Branch, Forest Research Laboratory, Victoria, British Columbia.	BC-X-14
Baker, J. & V.H. Phelps	1969	Growth response and chemical composition of Douglas-fir seedlings on burned and unburned soil samples.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, Forest Research Laboratory, Victoria, B.C.	BC-X-29
Muraro, S.J.	1969	An annotation of Vancouver District slash burning statistics.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, Forest Research Laboratory, Victoria, B.C.	BC-X-30
Muraro, S.J. & R.N. Russell (Appendix by B.D. Lawson)	1969	Development of diurnal adjustments table for the fine fuel moisture code.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, Forest Research Laboratory, Victoria, B.C.	BC-X-35
Forest Fire Research Group	1969	Contributions on the development of a National fire danger rating system. (1. Turner, J.A., S.J. Muraro, Gy. Péch and R.N. Russell. A drought index to simulate moisture content of the full organic layer. Also paper I-12. 2. Muraro, S.J. & J.A. Turner. Comparison of Petawawa Mark IV and B.C. Mark II drought indexes. Also Misc. Publ. J-4. 3. Muraro, S.J. A modular approach to a revised National fire danger rating system. (Also Misc. Publ. J-4)	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Lab., Victoria, B.C.	BC-X-37

Muraro, S.J. and B. D. Lawson	1970	Prediction of duff moisture distribu- tion for prescribed burning.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Lab., Victoria, B.C.	BC-X-46
Muraro, S.J.	1971	The lodgepole pine fuel complex.	Canada, Dept. of the Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C.	BC-X-53
Lawson, B.D.	1973	Fire behaviour in lodgepole pine stands. Related to the Canadian Fire Weather Index.	Canada, Dept. of the Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C.	BC-X-76
Turner, J.A.	1973	A fire load index for British Columbia.	Canada, Dept. of the Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C.	BC-X-80
Vyse, A.H. and S. J. Muraro	1973	Reduced planting cost -- A prescribed fire benefit.	Canada, Dept. of the Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C.	BC-X-84
Wallis, G.W., J. N. Godfrey and H. A. Richmond	1974	Losses in fire killed timber.	Canada, Dept. of the Environment, Canadian Forestry Service, Pacific Forest Research Centre, Victoria, B.C.	BC-X-88

Forest Fire Research Institute  
Information Report Series (FF-X)

MacHattie, L.B.	1966	Relative humidity in Rocky Mountain forests of Southern Alberta in summer.	Canada, Dept. of Forestry, Forest Fire Research Inst., Ottawa, Ontario.	FF-X-1
Ramsey, G.S.	1966	Bibliography of Departmental forest fire research literature.	Canada, Dept. of For. & Rural Dev., F.F.R.I., Ottawa, Ontario.	FF-X-2
Tyner, D.H.	1967	Development of foams for use in forest fire control.	Canada, Dept. of For. & Rural Dev., F.F.R.I., Ottawa, Ontario.	FF-X-3
Pouliot, L.	1967	Méthode de prévision des dangers d'incendie forestier au Québec.	Canada, Ministère des forêts et du développement rural, Institut de recherches sur les feux de forêt, Ottawa, Ontario.	FF-X-4
Wright, J.G.	1967	Forest-fire hazard research as developed and conducted at the Petawawa Forest Experiment Station. (Forest Fire Hazard Paper #2. A reprint of the 1932 Edition)	Canada, Dept. of For. & Rural Dev., F.F.R.I., Ottawa, Ontario. (also paper)	FF-X-5
Pouliot, L.	1967	Forecasting forest fire danger in Quebec.	Canada, Dept. of For. & Rural Dev., F.F.R.I., Ottawa, Ontario.	FF-X-6
Kourtz, P.H.	1967	Forecasting forest fire danger by computer.	Canada, Dept. of For. & Rural Dev., F.F.R.I., Ottawa, Ontario.	FF-X-7
Beall, H.W.	1967	Research in the measurement of forest fire danger. (Reprint of a paper presented to the Fifth British Empire Forestry Conf., held in Great Britain, 1947).	Canada, Dept. of For. & Rural Dev., F.F.R.I., Ottawa, Ontario. (also paper)	FF-X-8

Hodgson, B.S.	1967	A procedure to evaluate ground distribution patterns for water dropping aircraft.	Canada, Dept. of For. & Rur. Dev., F.F.R.I., Ottawa, Ontario.	FF-X-9
McLean, D.	1968	Cost effectiveness of three ground-tanker systems.	Canada, Dept. of For. & Rur. Dev., F.F.R.I., Ottawa, Ontario.	FF-X-10
Wright, J.G. & H.W. Beall	1968	The application of meteorology to forest fire protection. Technical Communication No. 4, Imperial Forestry Bureau, 1945, reprinted with permission of the Commonwealth Agricultural Bureaux.	Canada, Dept. of For. & Rur. Dev., F.F.R.I., Ottawa, Ontario.	FF-X-11 (also misc. pub.)
Pouliot, L.	1968	Forecasting forest fire danger in Quebec, 1967 fire season.	Canada, Dept. of For. & Rur. Dev., F.F.R.I., Ottawa, Ontario.	FF-X-12
Pouliot, L.	1968	Méthode de prévision des dangers d'incendie forestier au Québec, saison de feu 1967.	Canada, Ministère des forêts et du développement rural, Institut de recherches sur les feux de forêt.	FF-X-13
Simard, A.J.	1968	The moisture content of forest fuels - I. A review of basic concepts.	Canada, Dept. of For. & Rural Dev., F.F.R.I., Ottawa, Ontario.	FF-X-14
Simard, A.J.	1968	The moisture content of forest fuels - II. Comparison of moisture content variations above the fibre saturation point between a number of fuel types.	Canada, Dept. of For. & Rur. Dev., F.F.R.I., Ottawa, Ontario.	FF-X-15
Simard, A.J.	1968	The moisture content of forest fuels - III. Moisture content variations of fast responding fuels below the fibre saturation point.	Canada, Dept. of For. & Rur. Dev., F.F.R.I., Ottawa, Ontario.	FF-X-16

Simard, A.J.	1969	Addendum to -- The moisture content of forest fuels - III. Moisture content variations of fast responding fuels below the fibre saturation point.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I., Ottawa, Ontario.	FF-X-16
Ramsey, G.S., P.A. Lavigne, & D.G. Fraser	1968	Experimental hose coupling devices.	Canada, Dept. of For. & Rur. Dev., F.F.R.I., Ottawa, Ontario.	FF-X-17
Anon.	1968	Bibliography of Departmental forest fire research literature. Supplement No. 1, December 1967.	Canada, Dept. of For. & Rur. Dev., F.F.R.I., Ottawa, Ontario.	FF-X-2 (Supplement)
Simard, A.J. & J.M. Valenzuela	1969	A computer program to analyse differences in simultaneous wind speed and direction measure- ments at several stations.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I., Ottawa, Ontario.	FF-X-18
Simard, A.J.	1969	Variability in wind speed measurement and its effect on fire danger rating.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I., Ottawa, Ontario.	FF-X-19
Paul, P.M.	1969	Field practices in forest fire danger rating.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-X-20
Gerrie, D.K.	1969	Areal representativeness of a single station's drought index.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-X-21
Anon.	1969	Bibliography of Departmental forest fire research literature. Supplement No. 2, December 1968.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I., Ottawa, Ontario.	FF-X-2 (Supplement)

Anon.	1970	Bibliography of Departmental forest fire research literature. Supplement No. 3, December, 1969.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-X-2 (Supplement)
McLean, D. L.	1970	Appraisal of damage to immature timber.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-X-22
Stechishen, E.	1970	Measurement of the effectiveness of water as a fire suppressant.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-X-23
Pouliot, L.	1970	Précision de météorologie forestière au Québec.	Ministère des pêches et des forêts, Le service Canadien des forêts, Institut de recherches sur les feux de forêt, Ottawa, Ontario.	FF-X-24
Simard, A.J.	1970	Reference manual and summary of test fire, fuel moisture and weather observations made by Canadian forest fire researchers between 1931 and 1961.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-X-25
Hodgson, B.S., & E.C. Little	1970	Airtanker evaluation in three Canadian Provinces, 1965-1967.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-X-26
Valenzuela, J.M.	1970	A computer system to merge multiple data files.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I., Ottawa, Ontario.	FF-X-27



Ramsey, G.S.	1970	Bibliography of departmental forest fire research literature. (2nd Edition, including Supplements 1-3)	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-2 (2nd Edition)
Valenzuela, J.M.	1971	A subroutine subprogram to compute geodetic distance.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-28
Stechishen, E. & E.C. Little	1971	Water application depths required for extinguishment of low intensity fires in forest fuels.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-29
Simard, A.J.	1971	Calibration of surface wind speed observations in Canada.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-30
Kourtz, P.H.	1971	A computer program to summarize forest fire report data - designed to assist in detection system evaluation and planning.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-31
Anon.	1971	Bibliography of departmental forest fire research literature. Supplement No. 4.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-2

Anon.	1972	Bibliography of departmental forest fire research literature. Supplement No. 5.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-2 (supplement)
Anon.	1972	Bibliography of departmental forest fire research literature. Supplement No. 6	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-2 (supplement)
Simard, A.J.	1972	Forest Fire Weather Index data reference manual and station catalogue.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-32
Higgins, D.G. and G. S. Ramsey	1972	Performance of Gorman-Rupp Backpack pump with respect to suction lift, length of hose and discharge head.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-33
Simard, A.J. and J. Valenzuela	1972	A climatological summary of the Canadian Forest Fire Weather Index.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-34
MacHattie, L.B.	1972	Frequency of cloud free conditions below various flying altitudes over Canadian forests in summer.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-35

Higgins, D.G.	1972	Performance of Wajax Mark 3 centrifugal pump with respect to suction lift, length of hose and discharge head.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-36
Ramsey, G.S., D.M. Townsend and J.S. Bland	1973	Noise and the portable forestry fire pump.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-37
Higgins, D.G.	1973	Performance of Wajax Mark 26 Centrifugal pump with respect to suction lift, length of hose and discharge head.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-38
Armstrong, J. and R.G. Vines	1973	Possible periodicities in weather patterns and Canadian forest fire seasons.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-39
Simard, A.J., J.D. Graham and A.S. Muir	1973	Development of computer processing techniques for individual forest fire report data.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-40
Simard, A.J.	1973	Analysis of a simulated supplemental airtanker transfer system.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-41

Armstrong, J.	1973	Spontaneous combustion of forest fuels: A review.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-42
Anon.	1973	Bibliography of Departmental forest fire research literature. Supplement No. 7.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-2 (Supplement)
MacHattie, L.B.	1973	Cloud free probabilities with high fire weather indices.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-43
Travis, M., G. E. Isner and P. H. Kourtz	1973	A computer software package to convert digitized geographic boundary and contour data to a uniform grid structure.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-44
Kourtz, P. H.	1973	A visual airborne forest fire detection patrol route planning system.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-45
Anon.	1974	Bibliography of Departmental forest fire research literature. Supplement No. 8.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-2 (Supplement)

Higgins, D.G., G.S. Ramsey and D.M. Townsend	1974	Performance of Gorman-Rupp Bushwhacker portable forestry fire pump with respect to suction lift, length of hose and discharge head.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-46
Kourtz, P.H.	1974	A system to predict the occurrence of lightning caused forest fires.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-47
Maloney, J.E. and M.U. Potter	1974	The fire management system - The fire management centre - Preliminary results and design concepts.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-48
Pouliot, L.	1974	Prévision de météorologie forestière au Québec. Rapport preliminaire.	Canada, Ministère de l'Environnement, Service Canadien des Forêts, Institut de Recherches sur les Feux de Forêt, Ottawa, Ontario.	FF-X-49
Maloney, J.E.	1974	The fire history tabulator.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.	FF-X-50

Laurentian Forest Research Centre  
Information Report Series (LAU-X)

Gagnon, J.D., A. Jean et L. Beaulieu	1973	Le grand brûle de 1938-41 de la rivière York: son histoire, son évolution naturelle, et sa restauration forestière.	Canada Ministère de l'Environnement, Service Canadien des Forêts, Centre de Recherches Forestières des Laurentides, Ste-Foy, Québec.	LAU-X-7
--	------	---	---	---------

Maritimes Regional Laboratory  
Information Report Series (M-X)

Paul, P.M.	1970	Fire weather forecasting for the Maritime Provinces.	Can., Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Fredericton, New Brunswick.	M-X-22
------------	------	--	--	--------

Manitoba - Saskatchewan Regional Laboratory  
Information Report Series (MS-X)

Capel, R.E. & A.G. Teskey	1970	Efficiency in suppressing forest fires: a study of the southeast area of Manitoba.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Winnipeg, Manitoba.	MS-X-24
------------------------------	------	---	---	---------



Newfoundland Forest Research  
Centre  
St. John's, Newfoundland  
Information Report Series (N-X)

Howard, E.W., E.J. Pitcher, and R. Nelis	1969	Wind variability at Stephenville, Newfoundland and its implications for prescribed burning.	Canada, N-X-30 Dept. of Fisheries and Forestry, Forestry Branch, Forest Research Lab., St. John's., Newfoundland.
Richardson, J.	1972	Broadcast seeding sitka spruce on a burned cutover.	Canada, N-X-72 Dept. of the Environment, Canadian Forestry Service, Newfoundland Forest Research Centre, St. John's, Newfoundland.
Richardson, J.	1972	Direct seeding on a prescribed burn in western Newfoundland.	Canada, N-X-82 Dept. of the Environment, Canadian Forestry Service, Newfoundland Forest Research Centre, St. John's, Newfoundland.
Richardson, J.	1973	Aerial seeding after wildfire in central Newfoundland.	Canada, N-X-84 Dept. of the Environment, Canadian Forestry Service, Newfoundland Forest Research Centre, St. John's, Newfoundland.

Northern Forest Research Centre  
Edmonton, Alberta  
Information Report Series (NOR-X)  
See also Information Report Series (A-X)

Kiil, A.D.	1971	Prescribed fire effects in Subalpine spruce-fir slash.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-3
Grigel, J.E., W.C. Taylor, & J.B. Klassen	1971	Mobile long-term retardant operation with helicopters in the Yukon Territory.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-5
Kiil, A.D.	1971	Fire hazard from large block clearcutting in Alberta. In: Some implications of large-scale clearcutting in Alberta. A literature review.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-6
Grigel, J.E., R.J. Lieskovsky, & A.D. Kiil	1971	Fire hazard classification for Waterton Lakes National Park.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-7
Grigel, J.E.	1971	Air-drop tests with Fire-Trol 100, and Phos-Chek 205 fire retardants.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-8
Kiil, A.D.	1971	A statistical summary of forest fires in the Yukon Territory 1966-1970.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-10

Lieskovsky, R.J. and J. E. Grigel	1973	A comparison of the B-26 and Thrush Commander air tankers.	Canada, Dept. NOR-X-17 of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.
Lait, G.R. and W. C. Taylor	1973	Backfiring and burnout techniques used in the Yukon.	Canada, Dept. NOR-X-43 of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.
Kiil, A.D., R. J. Lieskovsky and J. E. Grigel	1973	Fire hazard classification for Prince Albert National Park Saskatchewan.	Canada, Dept. NOR-X-58 of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.
Ponto, R.L. and G. M. Lynch	1973	Use of electronic markers to relocate small forest fires.	Canada, Dept. NOR-X-61 of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.
Bradford, S.A.	1973	Corrosion of aircraft metals in fire retardants.	Canada, Dept. NOR-X-66 of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.
Ponto, R.L.	1974	An incendiary priming and release mechanism for backfiring from aircraft.	Canada, Dept. NOR-X-75 of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.

Grigel, J.E., R.J. Lieskovsky and R. G. Newstead	1974	Air drop tests with helitankers.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-77
Lieskovsky, R.J., R. Kruger and R. G. Newstead	1974	Problems in mixing and storage of long term fire retardants in Alberta.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-94
Douglas, G.W.	1974	Ecological impact of chemical fire retardants: A review.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-109
Endean, F. and W.D. Johnstone	1974	Prescribed fire to regenerate subalpine lodgepole pine.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-114
Grigel, J.E.	1974	Role of the helitanker in forest fire control.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-123
Endean, F.	1974	Prescribed fire and regenera- tion on clear- cut spruce-fir sites in the foothills of Alberta.	Canada, Dept. of the Environment, Canadian Forestry Service, Northern Forest Research Centre, Edmonton, Alberta.	NOR-X-126

Great Lakes Forest Research Centre  
 Sault Ste. Marie, Ontario  
 Information Report Series (O-X)

Chrosciewicz, Z.	1970	Regeneration of jack pine by burning and seeding treatments on clear-cut sites in central Ontario.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Sault Ste. Marie, Ontario. O-X-138
Stocks, B.J.	1971	Fire severity index distribution in Ontario (1963 to 1968).	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Research Laboratory, Sault Ste. Marie, Ontario. O-X-151
Walker, J.D.	1971	Fuel types and forest fire behaviour in New Brunswick.	Canada, Dept. of the Environment, Canadian Forestry Service, Great Lakes Forest Research Centre, Sault Ste. Marie, Ontario. O-X-154
Walker, J.D.	1971	A simple subjective fuel classification system for Ontario.	Canada, Dept. of the Environment, Canadian Forestry Service, Great Lakes Forest Research Centre, Sault Ste. Marie, Ontario. O-X-155
Walker, J.D. and B.J. Stocks	1972	Analysis of two 1971 wildfires in Ontario. Thackeray and Whistle Lakes.	Canada, Dept. of the Environment, Canadian Forestry Service, Great Lakes Forest Research Centre, Sault Ste. Marie, Ontario. O-X-166

Stocks, B.J. and J. D. Walker	1972	Fire behaviour and fuel consumption in jack pine slash in Ontario.	Canada, Dept. of the Environment, Canadian Forestry Service, Great Lakes Forest Research Centre, Sault Ste. Marie, Ontario.	O-X-169
Stocks, B.J. and J. D. Walker	1973	Climatic conditions before and during four significant forest fire situations in Ontario.	Canada, Dept. of the Environment, Canadian Forestry Service, Great Lakes Forest Research Centre, Sault Ste. Marie, Ontario.	O-X-187
Stocks, B.J.	1974	Wildfires and the fire weather index system in Ontario.	Canada, Dept. of the Environment, Canadian Forestry Service, Great Lakes Forest Research Centre, Sault Ste. Marie, Ontario.	O-X-213

Petawawa Forest Experiment Station  
Information Report Series (PS-X)

Van Wagner, C.E. 1966	Comparison of American and Canadian forest fire danger rating systems.	Canada, Dept. of Forestry, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-2
Stocks, B.J. 1968 & J.D. Walker	The effect of green vegetation on surface fire spread in the laboratory.	Canada, Dept. of Forestry and Rural Development, P.F.E.S., Chalk River, Ontario.	PS-X-5
Van Wagner, C.E. 1969	Combined effect of sun and wind on surface temperature of litter.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, P.F.E.S., Chalk River, Ontario.	PS-X-10
Van Wagner, C.E. 1970	New developments in forest fire danger rating.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, P.F.E.S., Chalk River, Ontario.	PS-X-19
Van Wagner, C.E. 1970	Conversion of Williams' severity rating for use with the Fire Weather Index.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, P.F.E.S., Chalk River, Ontario.	PS-X-21
Van Wagner, C.E. 1971	Two solitudes in forest fire research.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-29
Methven, Ian R. 1971	Prescribed fire, crown scorch and mortality: field and laboratory studies on red and white pine.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-31

Van Wagner, C.E.	1972	Heat of combustion, heat yield and fire behaviour.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-35
Van Wagner, C.E.	1972	Equilibrium moisture content of some fine forest fuels in eastern Canada.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-36
Van Wagner, C.E.	1972	A table of diurnal variation in the fine fuel moisture code.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-38
Clements, J.R. and W. A. Kean	1973	Rain splash on burned and unburned forest floors.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-39
Van Wagner, C.E.	1973	Rough Prediction of fire spread rates by fuel type.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-42
Methven, I.R.	1973	Fire succession and community structure in a red and white pine stand.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-43



Sidhu, S.S.	1973	Early effects of burning and logging in pine mixedwoods. I. Frequency and biomass of minor vegetation.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-46
Sidhu, S.S.	1973	Early effects of burning and logging in pine mixedwoods. II. Recovery in numbers of species and ground cover of minor vegetation.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-47
Methven, I.R.	1974	Development of a numerical index to quantify the aesthetic impact of forest management practices.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-51
Van Wagner, C.E.	1974	Annotated bibliography of forest fire research at the Petawawa Forest Experiment Station.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-52
Sidhu, S.S.	1974	Early effects of burning and logging in pine mixedwoods. III. Diversity.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-54
Van Wagner, C.E.	1974	A spread index for crown fires in spring.	Canada, Dept. of the Environment, Canadian Forestry Service, Petawawa Forest Experiment Station, Chalk River, Ontario.	PS-X-55

Forest Fire Research Institute

Information Leaflets

These are a diverse group of publications, published by members of the Forest Fire Research Institute staff. Such items as report summaries, publication previews and subjects of limited interest are contained in this group. The publication is dated only and it appears in the 8- $\frac{1}{2}$  x 11 format of the old Forest Fire Research leaflet series. This publication is distributed on a limited basis. Extra copies are not available for distribution in most cases.

Forest Fire Research Institute  
Information Leaflets

Anon.	Nov. 1966	Summary of National Research Council, Rpt. on Wajax Mark III, portable forest fire pump. Special report 226 and 226S. (Prepared for Ass. Comm. on Forest Fire Protection, by K. Sumi & R.D. Stagg.)	Canada, Dept. of For. & Rural Development, Forestry Branch, Forest Fire Research Institute.
Anon	Nov. 1966	Forest fire losses in Canada, 1965.	Canada, Dept. of For. & Rural Development, Forestry Branch, F.F.R.I.
Anon.	Jan. 1967	Damage appraisal strategies for fire report forms.	Canada, Dept. of For. & For. & Rural Dev., Forestry Branch, F.F.R.I.
Anon.	Mar. 1967	Outlook.	Canada, Dept. of For. & Rural Dev., Forestry Branch, F.F.R.I.
Kourtz, P.H.	Apr. 1967	Automation of forest fire danger forecasting. Project F-61.	Canada, Dept. of For. & Rural Development, Forestry Branch, F.F.R.I.
Anon.	Apr. 1967	Minutes of meeting to discuss research and development of air-tanker systems. Mtg. held at Sir Guy Carleton Building, Ottawa, Apr. 4, 1967.	Canada, Dept. of For. & For. & Rural Dev., Forestry Branch, F.F.R.I.
Anon.	May 1967	Meeting to discuss drought index development.	Canada, Dept. of For. & Rural Development, Forestry Branch, F.F.R.I.
Anon.	June 1967	Telex.	Canada, Dept. of For. & Rur. Development, Forestry Branch, F.F.R.I.
Anon.	Nov. 1967	Summary of forest fire losses in Canada, 1966.	Canada, Dept. of For. & Rural Development, Forestry Branch, F.F.R.I.

Anon.	Feb. 1968	Technical information service.	Canada, Dept. of For. & Rur. Dev., Forestry Branch, F.F.R.I.
Simard, A.J. & J.M. Valenzuela	Mar. 1968	Computer program to calculate the significance of the difference between means.	Canada, Dept. of For. & Rur. Dev., Forestry Branch, F.F.R.I.
Fraser, D.G.	Mar. 1968	Datatest.	Canada, Dept. of For. & Rur. Dev., Forestry Branch, F.F.R.I.
Anon.	Apr. 1968	Project statements on active projects 1968-69.	Canada, Dept. of For. & Rur. Dev., Forestry Branch, F.F.R.I.
Simard, A.J.	Apr. 1968	Initial report. Relative spread index.	Canada, Dept. of For. & Rur. Dev., F.F.R.I.
Simard, A.J.	July 1968	Relative spread index. Progress Report No. 2.	Canada, Dept. of For. & Rur. Dev., F.F.R.I.
Hodgson, B.S.	Sept. 1968	Airtanker drop simulator. Preliminary progress report on Project F-67. Measurement of the effectiveness of water as a fire suppressant.	Canada, Dept. of For. & Rur. Dev., Forestry Branch, F.F.R.I.
Anon.	Sept. 1968	A National airtanker fleet.	Canada, Dept. of For. & Rur. Dev., Forestry Branch, F.F.R.I.
Anon.	Sept. 1968	Forest fire control abstracts. A questionnaire.	Canada, Dept. of For. & Rur. Dev., Forestry Branch, F.F.R.I.
Anon.	Oct. 1968	Kelgum. A ground fire control trial.	Canada, Dept. of For. & Rur. Dev., Forestry Branch, F.F.R.I.

Ramsey, G.S. & D.G. Fraser	Apr. 1969	Trip to Tall Timbers Research Station, Tallahassee, Florida and Southern Forest Fire Lab., Macon, Georgia.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I.
Anon.	May 1969	Information Centre. Forest Fire Research Institute. Document list.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I.
Anon.	May 1969	Minutes of the forest fire research information and cooperation meeting. Petawawa Forest Experiment Station, May 6 & 7, 1969.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I.
Anon.	May 1969	Meeting of forest fire research staff. Petawawa Forest Experiment Station. May 8 and 9, 1969.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I.
Fraser, D.G.	June 1969	Northeastern forest fire control supervisors meeting. Milwaukee, Wisc., June 24-26, 1969.	Canada, Dept. of Fisheries and Forestry, Forestry Branch, F.F.R.I.
Anon.	Nov. 1969	Minutes of meeting on fire weather index, Kananaskis, Alberta, October 28-31, 1969.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I.
McLean, D.L.	Feb. 1970	Optimal fire protection strategies and expendi- tures: insights from generalizing Park's fire growth model.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I.
Simard, A.J.	Mar. 1970	Normal diurnal variation of the Canadian forest fire weather index in New Brunswick.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, F.F.R.I.
Anon.	Mar. 1970	Bibliography -- Forest Fire Research Institute, Canadian Forestry Service, Late 1968 and 1969.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forestry Service, F.F.R.I.

Fraser, D.G.	July 1970	Report on Northeastern Forest Fire Control Supervisor's Meeting, Ames, Iowa, July 27, 1970.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Anon.	Oct. 1970	Minutes -- fire research staff meeting Fredericton, New Brunswick, August 19, 1970.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G.	Oct. 1970	Development of aircraft use in forest fire control. National Seminar on Aircraft Management, Associate Committee on Forest Fire Protection, National Research Council, Petawawa Forest Experiment Station, October 25-30, 1970.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G.	Jan. 1971	Report on Prevention Analysis Seminar, U.S. Forest Service, Providence, Rhode Island, January 12-14, 1971.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G.	July 1971	Northeastern Forest Fire Control Supervisor's Annual Meeting, Maumee, Ohio, June 22-24, 1971.	Canada, Dept. of Fisheries and Forestry, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.

Fraser, D.G.	May 1972	Report on Fire in the Environment. An international symposium, sponsored by the Fire Management Study Group, North American Forestry Commission, Denver, Colorado, May 1972.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G.	June 1972	Report on North-eastern Forest Fire Control Supervisor's Meeting, Orono, Maine, June 20-22, 1972.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G.	June 1972	Report on N.F.P.A. 76th annual meeting, Philadelphia, Pa., May 15-19, 1972.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Ramsey, G.S. and D. G. Higgins	Nov. 1972	Advances in water delivery in fire-fighting. First Fire Science Symposium, New York City Community College, Brooklyn, New York.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Fraser, D.G.	1973	Report on Northeast Forest Fire Control Supervisor's Meeting, June 18-21, 1973, Atlantic City, New Jersey.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.
Pech, Gy.	1974	Report on the Third National Conference on Fire and Forest Meteorology. Lake Tahoe, April 2-4, 1974.	Canada, Dept. of the Environment, Canadian Forestry Service, Forest Fire Research Institute, Ottawa, Ontario.

Fraser, D.G. 1974

Report on Northeast  
Forest Fire  
Supervisor's Annual  
Meeting, Rhinelander,  
Wisconsin,  
June 25-27, 1974.

Canada, Dept. of  
the Environment,  
Canadian Forestry  
Service, Forest  
Fire Research  
Institute,  
Ottawa, Ontario.

MacHattie, L.B. 1974

Report by L. B.  
MacHattie on the  
Sixth Session,  
Commission for  
Agricultural  
Meteorology of  
the World  
Meteorological  
Organization,  
held in  
Washington, D.C.,  
October 14-25,  
1974.

Canada, Dept. of  
the Environment,  
Canadian Forestry  
Service, Forest  
Fire Research  
Institute,  
Ottawa, Ontario.



FOREST FIRE RESEARCH INSTITUTE  
Canadian Forestry Service  
Department of the Environment  
Nicol Building  
331 Cooper Street  
Ottawa, Ontario  
K1A 0W2

Please add the following to the mailing list to receive supplements to  
Information Report FF-X-2 Bibliography of Forest Fire Research Literature:

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Please change the address shown on attached label to:

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

and continue to mail supplement

Please do not mail supplements

3rd Edition