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PROVINCE DE QUÉBEC, CANADA
SERVICE DES MINES

LA GÉOLOGIE DE QUÉBEC

GEOLOGY OF QUEBEC

VOL. I

BIBLIOGRAPHIE ET INDEX

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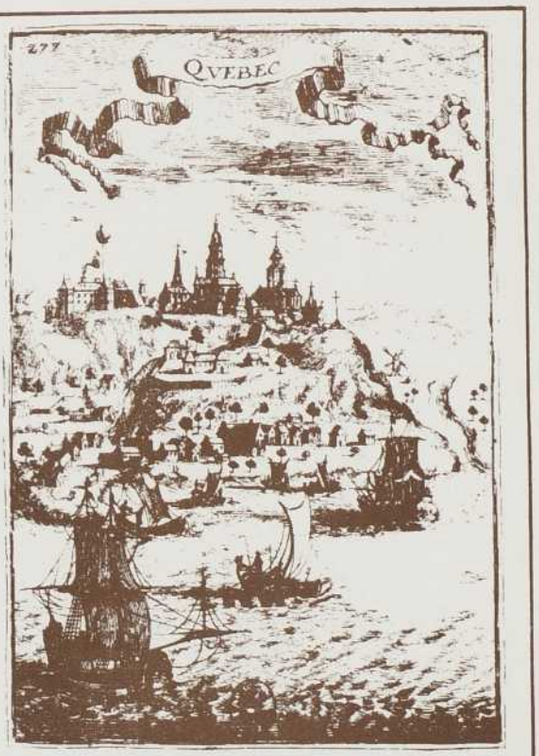
Publié par ordre de
l'honorable EDGAR ROCHETTE,
Ministre des Mines et des Pêcheries Maritimes.

QUÉBEC
RÉDEMPTI PARADIS
IMPRIMEUR DE SA MAJESTÉ LE ROI

1941

En vente au Service des Mines,
For sale by Quebec Bureau of Mines } $1.00



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L'honorable Monsieur Edgar Rochette, C. R.,
Ministre des Mines et des Pêcheries Maritimes,
Hôtel du Gouvernement,
Québec.

Monsieur le Ministre :

J'ai l'honneur de vous transmettre le premier volume d'un ouvrage intitulé "La Géologie de Québec". Ce volume est une bibliographie, aussi complète que possible, de tous les écrits qui ont été publiés sur la géologie et les richesses minérales de la province de Québec. Il est divisé en deux parties, la première est une liste alphabétique des auteurs, et la seconde, un index des sujets.

Deux autres volumes, qui sont en préparation, compléteront l'ouvrage. L'un présentera une vue d'ensemble de la géologie générale et de la tectonique de la province ainsi que des traits topographiques qui sont une expression de son histoire géologique. L'autre volume traitera surtout des gisements minéraux.

Ces deux volumes seront, dans une grande mesure, une compilation et coordination de la multitude de données fragmentaires sur la géologie et les gîtes minéraux de la province de Québec qui sont dispersées et éparpillées dans les nombreux rapports officiels des gouvernements fédéral et provincial, ainsi que dans les travaux, communications et articles parus dans les comptes rendus de sociétés scientifiques et dans les publications techniques. Les auteurs se sont surtout attachés à revoir soigneusement la littérature du sujet publiée depuis 1863, année de la parution de l'ouvrage intitulé *La Géologie du Canada*, l'œuvre classique de Sir William Logan et ses collaborateurs de la Commission Géologique du Canada, qui constitue un remarquable résumé de tout ce que l'on connaissait alors de la géologie et des richesses minérales du Canada. Ce volume est encore très prisé de nos jours comme ouvrage de référence.

La préparation de *La Géologie de Québec* a été confiée à deux personnalités qui font autorité en matière de géologie et de gisements minéraux de la province : John Alexander Dresser, qui fut de 1929 à 1939 géologue dirigeant de la division de géologie du Service des Mines provincial, et Théophile-Constant Denis, ancien directeur (1909 à 1927), et présentement géologue et aviseur technique de ce Service. Pour mener à bien et rapidement ce travail ils ont eu recours à la collaboration de plusieurs géologues, chacun possédant une connaissance approfondie de quelque région de la province.

La Géologie de Québec, dans une grande mesure, offrira une réponse à la demande croissante, dans la province et à l'extérieur, de données et de renseignements fondés concernant la géologie de la province et ses ressources minérales.

Le Service des Mines est redevable au Bureau de Géologie et de Topographie, de la division des Mines et de la Géologie du Ministère Fédéral des Mines et des Ressources, d'une carte géologique de la Province qui accompagnera le second volume de la *Géologie de Québec*.

Je demeure, monsieur le ministre,

Votre obéissant serviteur,

le sous-ministre,
A.-O. Dufresne.

The Honourable Edgar Rochette, K.C.,
Minister of Mines and Maritime Fisheries,
Parliament Buildings,
Quebec.

Sir : —

I have the honour to transmit to you the first volume of a work entitled *Geology of Quebec.* This volume is a Bibliography, believed to be reasonably complete, of the published literature bearing on the geology and mineral resources of the Province of Quebec. It is arranged in two parts, the first an author index and the second a subject index.

Two further volumes of this work are in preparation. One will present a comprehensive description of the general and structural geology of the Province and of the topographical features which are an expression of its geological history. The other will treat in some detail of the mineral deposits.

These latter volumes are in large measure a compilation and co-ordination of the multitude of fragmental data on the geology and mineral resources of Quebec to be found scattered through numerous official reports of the Federal and Provincial governments and in papers and articles appearing in the *Transactions* of various scientific societies and technical periodicals. In particular, the work of the authors has involved a careful search of the literature published since 1863, in which year appeared the classic *Geology of Canada,* prepared by Sir William Logan and his collaborators of the Geological Survey of Canada—a remarkable compendium of all that was known at that time of the geology and mineral resources of Canada, and a volume that is still in constant demand as a work of reference.

The preparation of *Geology of Quebec* has been carried out by, and under the direction of, two outstanding authorities on the geology and mineral resources of the Province : John Alexander Dresser, from 1929 until 1939 Directing Geologist of the Division of Geology of the Bureau of Mines, and Theophile Constant Denis, former Director (1909-1927) and now Geologist and Technologist of the Bureau. In order that the text might be completed at as early a date as possible, they have secured the collaboration of several other geologists, each of whom had made a detailed geological study of some particular section or sections of the Province.

Geology of Quebec will meet the large and growing demand of those, in the Province and elsewhere, who are seeking a general knowledge of the geology of the Province or who require authoritative information concerning our mineral resources.

The Quebec Bureau of Mines is grateful to the Bureau of Geology and Topography, Mines and Geology Branch, of the Federal Department of Mines and Resources for supplying a geological map of the Province which will accompany the second volume of *Geology of Quebec.*

I remain, Sir,

Your obedient servant,

A. O. Dufresne,
Deputy Minister.

AVANT-PROPOS ET REMERCIEMENTS

Le but de cette Bibliographie est de présenter au public une énumération de tous les ouvrages traitant de la géologie de la province de Québec qui ont paru depuis les plus anciennes publications jusqu'à l'année 1936 inclusivement. Le volume consiste en deux parties : — la première est une liste alphabétique des auteurs et de leurs ouvrages ; la seconde est une liste des sujets avec les noms des auteurs qui ont contribué à la littérature de chacun des sujets. Dans la liste des auteurs nous avons, en certains cas, inséré des courtes notes en plus petits caractères, pour faciliter au lecteur ses recherches sur le sujet traité. Nous préparons actuellement un supplément qui comprendra les publications parues au cours des années subséquentes à 1936.

La plus grande partie de la matière de cette Bibliographie a été tirée et compilée de l'ouvrage intitulé " *Bibliography of North American Geology* ", publié par le Geological Survey des États-Unis, Washington. L'"*Index of Economic Geology* " de la Society of Economic Geologists a aussi été consulté dans le but de contrôle et de vérification. Sans le recours que nous avons eu à ces ouvrages, il eut été impossible de préparer le présent index aussi complet et en si peu de temps. Les auteurs conjoints de l'ouvrage "La Géologie de Québec ", dont la Bibliographie constitue le premier volume, reconnaissent la dette de gratitude qu'ils ont contractée envers ces deux excellentes publications.

Ils remercient bien cordialement M. Christian Lapointe, professeur à la faculté des sciences de l'Université Laval de Québec, et M. Ludger Pineault, qui l'aida dans sa tâche, pour le soin qu'ils ont apporté dans la compilation et la classification de cet index. La compétence et le zèle dont ils ont fait preuve en l'occurence méritent les plus grands éloges.

Service des Mines, Québec.
Juin 1941.

JOHN A. DRESSER,
T.-C. DENIS.

PREFATORY NOTE AND ACKNOWLEDGEMENTS

This *Bibliography* is designed to include all publications of a geological nature relating to the Province of Quebec, from the earliest records to the year 1936, inclusively. It is in two parts : one is a list of authors and their works ; the other, a list of subjects, with the authors who have contributed to them. In the index by authors occasional notes have been inserted, in small type, in order to enable the reader to refer conveniently to cognate investigations. A supplement, to include geological literature published in the years following 1936, is in course of preparation.

With minor exceptions, the body of the *Bibliography* has been abstracted from the *Bibliography of North American Geology* issued by the United States Geological Survey, Washington, D.C. The *Index of Economic Geology*, published by the Society of Economic Geologists, also proved very useful for reference. Without these valuable aids, it would have been impossible to prepare this *Index* either in the time devoted to it, or with any like completness of record. The joint authors of the work *Geology of Quebec*, of which this *Bibliography* constitutes the first volume, acknowledge with pleasure their indebtedness to these excellent publications.

They also offer cordial thanks to Professor Christian Lapointe, of the Science Faculty, Laval University, Quebec, and to Ludger Pineault who assisted him, for their careful work in compiling the long list of abstracts which this volume contains. Both their skill and their zeal are to be highly commended.

Bureau of Mines, Quebec,
June 1941.

John A. Dresser,
T. C. Denis.

PARTIE I

BIBLIOGRAPHIE PAR AUTEURS

PART I

BIBLIOGRAPHY BY AUTHORS

LISTE DES PÉRIODIQUES, RAPPORTS ET COMPTES RENDUS

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Acad. Sci. Paris, C. R.: Académie des Sciences, Paris, Comptes rendus.
Am. Ass. Adv. Sci., Proc.: American Association for the Advancement of Science, Proceedings.
Am. Ass. Petrol. Geol. Bull.: American Association of Petroleum Geologists Bulletin.
Am. Acad. Arts, Proc.: American Academy of Arts and Sciences, Proceedings.
Am. Ceramic Soc. Jour.: American Ceramic Society, Journal, Easton, Pa.
Am. Geog. Soc.: American Geographical Society of New York, Bulletin.
Am. Geol.: American Geologist, Minneapolis.
Am. Geophys, Union, Trans.: American Geophysical Union, Transactions, Washington.
A. I. M. E. Trans.: American Institute of Mining and Metallurgical Engineers, Transactions and Technical Publications, New York.
Am. Jour. Agric.: American Journal of Agriculture.
Am. Jour. Sci.: American Journal of Science, New Haven, Conn.
Am. Midland Nat.: American Midland Naturalist, Notre-Dame, Ind.
Am. Miner.: American Mineralogist, Henasha, Wis.
Am. Mus. Nat. Hist. Jour.: American Museum of Natural History, Journal.
Am. Nat.: American Naturalist, New York.
Am. Palæont. Bull.: American Palæontologist, Bulletin.
Annales Géog.: Annales de Géographie, Paris.
An. Mag. Nat. Hist.: Annals and Magazine of Natural History, London.
Appalachia: Appalachia, Boston, Mass.
Atlantic Monthly: Atlantic Monthly.

Boston Soc. Nat. Hist.: Boston Society of Natural History.
Brit. Ass. Adv. Sci. Rept.: British Association for the Advancement of Science, Reports.
Brooklyn Botanic Garden Record.: Brooklyn Botanic Garden Record.
Buffalo Soc. Nat. Sci. Bull.: Buffalo Society of Natural Sciences, Bulletin.

Canada, Dept. Int. Mines Br.: Canada, Department of Interior, Mines Branch, Annual Reports.
Can. Dept. Marine, Repts.: Canada Department of Marine, reports of Expeditions.
C. G. S., Mem.: Canada Geological Survey, Memoirs.
C. G. S., Mines Branch: Canada Geological Survey, Mines Branch, Report.
C. G. S., Mus. Bull.: Canada, Department of Mines, National Museum.
C. G. S., Repts.: Canada Department of Mines, Annual reports.
Canada Year Book: Dominion of Canada, Year Book.
Can. Alpine Jour.: Canadian Alpine Journal, Banff, Alta.
Can. Field Nat.: Canadian Field Naturalist, Ottawa.
Can. Inst. Proc.: Canadian Institute Proceedings, Toronto.
Can. Inst. Min. Met. Trans.: Canadian Institute of Mining and Metallurgy, Transactions, Montreal.
Can. Jour.: Canadian Journal, Toronto.
Can. Jour. Research.: Canadian Journal of Research, Ottawa.
Can. Min. Inst. Jour.: Canadian Mining Institute, Transactions, Journal and Quarterly Bulletin, Montreal.
Can. Min. Jour.: Canadian Mining Journal, Toronto and Montreal.
Canadian Minin Rev.: Canadian Mining Review, Ottawa.
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Can. Rec. Nat. Hist.: Canadian Record of Natural History and Geology, Montreal.
Can. Rec. Sci.: Canadian Record of Science, Montreal.
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Dir. Montes Minas, Bol. Minas, Cuba: Dirrección de Montes y Minas, Boletín de Minas Cuba.

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Ecology: Ecology, Brooklyn, N. Y.
Econ Geol.: Economic Geology, Lancaster, Pa.
Edinb. Geol. Soc. Trans.: Edinburgh Geological Society, Transactions.
Edinb. N. Phil. Jour.: Edinburgh New Philosophical Journal.
Eng. Min. Jour.: Engineering and Mining Journal, New York.
Essex Inst. Proc.: Essex Institute Proceedings, Salem, Mass.

Field Mus. Hist. Geol.: Field Museum of Natural History, Geological Leaflets, Chicago, Ill.
Fortschritt der Geologie und Palaontologie.: Fortschritt der Geologie und Paläontologie, Berlin.
Franklin Inst. Jour.: Franklin Institute Journal, Philadelphia, Pa.

Gen. Min. Ass. Quebec, Jour.: General Mining Association of the province of Quebec, Journal, Ottawa, Ont.
Geog. Jour.: Geographical Journal, London.
Geog. Rev.: Geographical Review, New York.
Geog. Soc. Phila, Bull.: Geographical Society of Philadelphia, Bulletin.
Geog. Zeitschr. Jahrg.: Geographische Zeitschrift, Jahrgang, Leipzig.
Geologist: Geologist, London.
Geol. Fören. Stockholm, Förh.: Geologiska Föreningens i Stockholm, Förhandlingar.
Geol. Gesell. Wien, Mitt.: Geologische Gesellschaft in Wien, Mittmeilungen.
Geol. Mag.: Geological Magazine, London.
Geol. Rundschau: Geologische Rundschau, Leipzig.
Geol. Soc. Am. Bull. Proc.: Geological Society of America, Bulletin and Proceedings, Washington, D.C.
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Inter. Geol. Cong. C.R.: International Geological Congress, Compte rendu, Guide-books.

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Norske Viden. Akad.: Norske Videnskaps-Akademi i Oslo, Avhandl.
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Les chiffres gras dans le texte indiquent le numéro du volume. Il est suivi du numéro de livraison s'il y a lieu, puis la page et enfin l'année de publication.

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Soulanges Co.: Picher, R. H., 1858.
Surveys: Reinecke, L., 1890 to 1893.
Two Mountains and Argenteuil Cos.: Gauthier, H., 1106.
Vaudreuil Co.: Picher, R. H., 1858.

Rose Lake district.

Geology: MacKenzie, G. S., 1745.
See Madeleine lake.

Rouge river.

Laurentian limestone: Lowe, J., 1593.