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SUPPLEMENT No. 2

TO

CANADIAN GOVERNMENT PUBLICATIONS SECTIONAL CATALOGUE No. 12

AUGUST 1957

MINES BRANCH AND MINERAL RESOURCES DIVISION

CATALOGUE OF PUBLICATIONS

OCTOBER 1, 1960

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HOW TO ORDER

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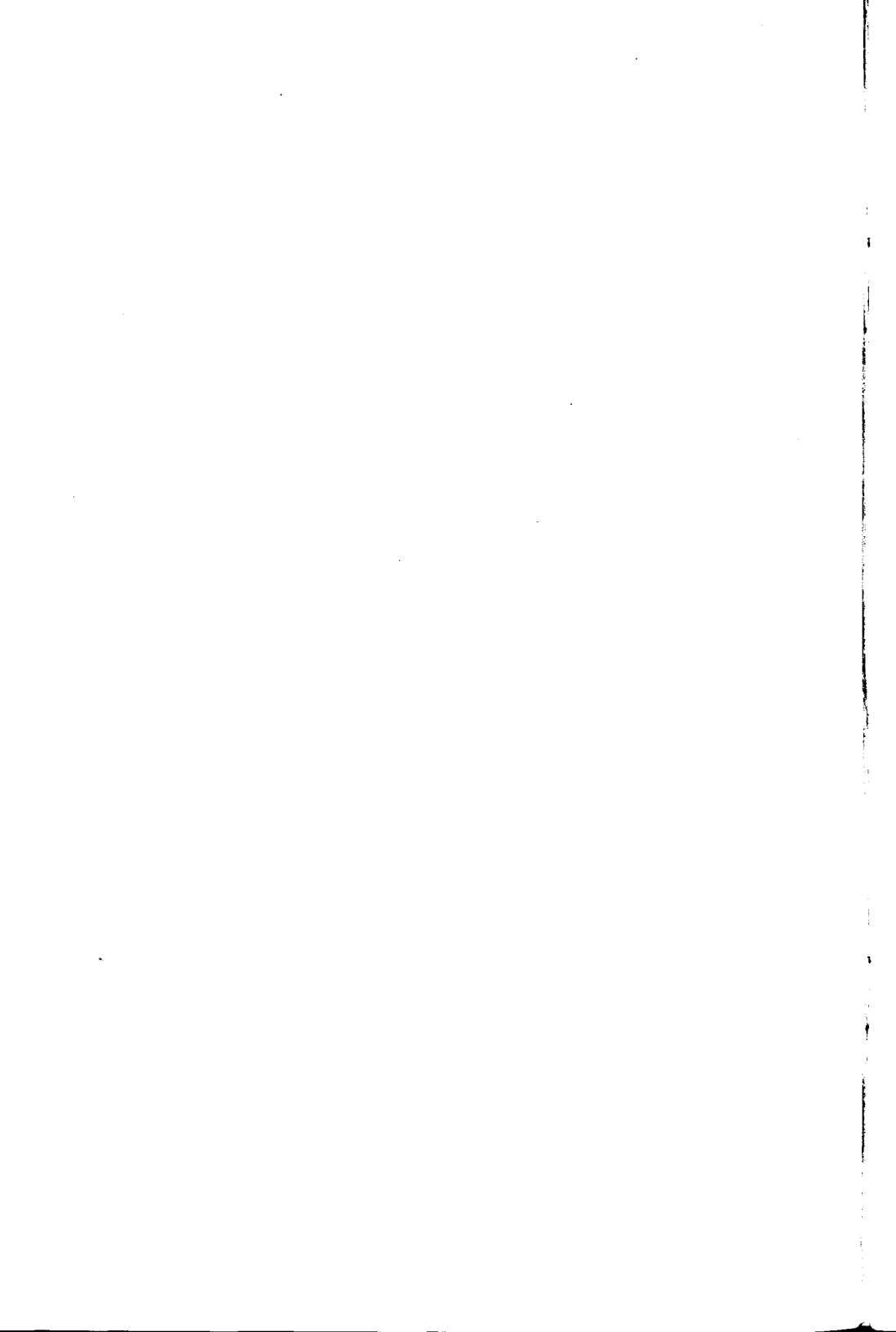
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NOTE

This catalogue is a special supplement prepared in the Department of Mines and Technical Surveys pending issue by the Queen's Printer of a revised version of Sectional Catalogue No. 12, August 1957.

October 1, 1960



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SECTIONAL CATALOGUE NO. 12

SUPPLEMENT NO. 2

MINES BRANCH AND MINERAL RESOURCES DIVISION PUBLICATIONS

October 1, 1960

FOREWORD

Sectional Catalogue No. 12 listed Mines Branch publications under the following headings: (1) Report and Map series, (2) Memorandum series, (3) Technical Paper series, (4) Lists of Operators series, and (5) Annual Preliminary Review series. A sixth group, the Information Circular series, though not listed in the catalogue is included in this supplement.

The Mineral Resources Division at the time of publication was a division of the Mines Branch and contributed material in five of the categories listed. On June 26, 1956, the Division was transferred from the Mines Branch to the office of the Deputy Minister of Mines and Technical Surveys, through the Director General of Scientific Services. This organizational change resulted in the Mineral Resources Division setting up its own publication series separate and distinct from the Mines Branch series.

During 1959, a reorganization regrouped a major part of the functions of the Mines Branch in three new divisions: Mineral Processing Division, Extraction Metallurgy Division and Mineral Sciences Division. Thus, publication series previously issued by Industrial Minerals Division, Mineral Dressing and Process Metallurgy Division and Radioactivity Division will continue but under the names of one of the new divisions, depending upon subject matter. Physical Metallurgy Division and Fuels and Mining Practice Division (formerly Fuels Division) will continue publications under their respective names.

Both the Mines Branch and Mineral Resources Division have revised their respective series in an effort to improve format, style, content and availability to the public.

This supplement is divided into three parts:

Part I containing the different Mines Branch publications issued under old series numbering, i.e. Reports, Memorandum Series, Technical Papers, Information Circulars, Lists of Operators;

Part II containing the new Mines Branch Series, i.e. Monographs, Research Reports, Technical Bulletins and Information Circulars;

Part III containing the Mineral Resources Division publications, i.e. Mineral Reports, Mineral Surveys, Mineral Information Bulletins, Operators Lists, Annual Mineral Reviews, Maps and Miscellaneous publications.

MINES BRANCH PUBLICATIONS

The six categories listed above have been reduced to four - Monographs, Research Reports, Technical Bulletins and Information Circulars. The following paragraphs are intended to provide some information as to the scope of each.

Monographs: Reports giving a thorough treatment of a particular subject or class of subjects and likely to be valuable as reference texts.

Research Reports: Original contributions to science and technology, based primarily on laboratory research conducted in the Mines Branch laboratories or under Mines Branch auspices. This class does not include literature surveys. Reprints of research papers published in journals are included in this group.

Technical Bulletins: Reports in this category describe investigations at the Mines Branch on specific materials by applications of established or lesser-known procedures, where the work is considered to be of wide interest to the industry or the technical public.

Information Circulars: Contributions of general interest to industry and the public at large. This category may include literature and statistical surveys of a periodic nature, as well as short information bulletins.

The Monograph replaces the Report series which ended with No. 865, the Research Report replaces the Technical Paper series ending with No. 17, the Information Circular replaces the Memorandum series ending with No. 137 and the old Information Circular series ending with No. 26.

MINERAL RESOURCES DIVISION PUBLICATIONS

Mineral Resources Division publications fall under the following seven classifications: (1) Mineral Reports, (2) Mineral Surveys, (3) Mineral Information Bulletins, (4) Operators Lists, (5) Annual Mineral Reviews, (6) Maps, and (7) Miscellaneous publications.

The Mineral Reports, Mineral Surveys and Mineral Information Bulletins cover studies on mineral resources, mineral economics, mineral legislation, mineral taxation, mining technology and other miscellaneous mineral industry subjects. However, it is intended that the Mineral Report series will consist of exhaustive authoritative studies having value as reference or historical documents, while publications in the Mineral Information Bulletin series will perhaps be of short-term value and not too exhaustive in scope. Publications in the Mineral Surveys series will fall between these two, having reasonably long-term value and a reasonably thorough treatment of the subject matter. Reprints of articles appearing in technical journals will be included in the Mineral Information Bulletin series.

Annual Mineral Reviews: Annual preliminary mineral reviews on metallics, industrial minerals and fuel commodities are prepared in collaboration with the Mines Branch. Initially published as separates, the reviews are later revised, bound in book form, and released as a Mineral Report for the year concerned.

Maps: Includes all maps not used principally as illustrative material in Divisional reports.

Miscellaneous publications: This category has no numbering system to indicate a continuing series, nor will publications falling within this group necessarily follow a prescribed format. Such items as special reports, illustrated brochures and pamphlets having a broad mineral content are included under this heading.

PART I

Containing additions to the various series of Mines Branch Publications issued under the old series numbering, i.e. Reports, Memorandum Series, Information Circulars, Lists of Operators.

REPORTS

Page 115 Report No. 852 Delete: "(sous presse)."

Page 116 Report No. 854 Delete: "(in press)."

Report No. 855 Delete: "(in press)."

Report No. 856 Delete: "(in press)."

Report No. 858 Delete: "(in press)."

Page 116 Add:

860. - MINERALS, CANADA AND THE WORLD. 1957.

With charts, maps and graphs, deals with 35 metals, non-metals and fuels.

(out of print)

Cat. No. M32-860

SUPPLEMENT TO MINERALS, CANADA AND THE WORLD. 1957. Statistical tables.

50¢

Cat. No. M32-860/1

861. - INDUSTRIAL WATER RESOURCES OF CANADA.

Water survey report series.

No. 10. - NELSON RIVER DRAINAGE BASIN IN CANADA, 1953-56, by J.F.J. Thomas.

\$1.00

Cat. No. M32-861

862. - THE CANADIAN MINERAL INDUSTRY IN 1955.

\$1.00

Cat. No. M32-862

863. - L'INDUSTRIE MINIÈRE DU CANADA EN 1955.

\$1.00

Cat. No. M32-863

864. - INDUSTRIAL WATER RESOURCES OF CANADA.
Water survey report series.
No. 11. - THE ATLANTIC PROVINCES AND SAINT
JOHN RIVER DRAINAGE BASIN IN CANADA,
1953-56, by J.F.J. Thomas.
(in press) Cat. No. M32-864
865. - INDUSTRIAL WATER RESOURCES OF CANADA.
Water survey report series.
No. 12. - WATER QUALITY AT SOME CANADIAN
MILITARY ESTABLISHMENTS, 1956-57, by
J.F.J. Thomas.
\$1.25 Cat. No. M32-865
- Note: No. 865 ends the Report Series. Further publica-
tions of this nature are called Monographs and
commence with No. 866 (page 11).

MEMORANDUM SERIES

Page 135 Add:

135. - COLUMBIUM (NIOBIUM) AND TANTALUM, by
R.J. Jones. 1957. 56p. 9 tables. 18 figs.
Prepared in the Mineral Resources Division.
50¢ Cat. No. M33-135
136. - FIFTY YEARS OF FUEL TESTING AND RESEARCH,
by A.A. Swinnerton. 1957. 15p. 2 figs. 1 graph.
Prepared in the Fuels Division.
25¢ Cat. No. M33-136
137. - ZINC IN CANADA WITH COMMENTS ON WORLD
CONDITIONS, by R.E. Neelands and D.B. Fraser.
1958. 87p. 5 figs. 4 maps.
Prepared in the Mineral Resources Division.
50¢ Cat. No. M33-137

Note: No. 137 ends the Memorandum Series. Further
publications of this nature are issued by the Mineral
Resources Division as Mineral Surveys (page 27).

INFORMATION CIRCULARS

Prepared by the Industrial Minerals Division

- IM 1. - LITHIUM, by V.A. Haw, Industrial Minerals Division. June 1955. 10p. 2 tables.
free Cat. No. M38-4/1
- IM 2. - THE SAMPLING AND EXAMINATION OF CLAY AND SHALE DEPOSITS, by J.G. Phillips, Industrial Minerals Division. December 1955.
(out of print) Cat. No. M38-4/2
- IM 3. - CLAYS AND SHALES OF EASTERN CANADA, by J.G. Phillips, Industrial Minerals Division. October 1956. 13p.
free Cat. No. M38-4/3

Note: IM 3 ends the Industrial Minerals Division Information Circular series. See page 12 for new Mines Branch series, commencing with IC 101.

Prepared by the Mineral Resources Division

- MR 1. - A SURVEY OF DEVELOPMENTS IN THE TITANIUM INDUSTRY DURING 1953, by W. Keith Buck, Mineral Resources Division. February 1954.
(out of print) Cat. No. M38-2/1
- MR 2. - A SURVEY OF THE IRON ORE INDUSTRY IN CANADA DURING 1953, by W. Keith Buck, Mineral Resources Division. March 1954.
(out of print) Cat. No. M38-2/2
- MR 3. - A SURVEY OF THE NATURAL GAS INDUSTRY IN CANADA DURING 1953, by R.B. Toombs, Mineral Resources Division. March 1954.
(out of print) Cat. No. M38-2/3

- MR 4. - A SURVEY OF THE PETROLEUM INDUSTRY IN CANADA DURING 1953, by R.B. Toombs, Mineral Resources Division. April 1954.
(out of print) Cat. No. M38-2/4
- MR 5. - THE CANADIAN IRON ORE INDUSTRY AND ITS RELATIONSHIP TO THE ST. LAWRENCE SEAWAY, by W. Keith Buck, Mineral Resources Division. April 1954.
(out of print) Cat. No. M38-2/5
- MR 6. - (not published)
- MR 7. - ZIRCONIUM, by R.J. Jones, Mineral Resources Division. July 1954.
(out of print) Cat. No. M38-2/7
- MR 8. - COLUMBIUM AND TANTALUM IN CANADA, by R.J. Jones, Mineral Resources Division. September 1954.
(out of print) Cat. No. M38-2/8
- MR 9. - CERIUM, by W.J. Beard, Mineral Resources Division. February 1955.
(out of print) Cat. No. M38-2/9
- MR 10. - BERYLLIUM IN CANADA, by W.J. Beard, Mineral Resources Division. April 1955.
(out of print) Cat. No. M38-2/10
- MR 11. - INDIUM, by R.E. Neelands, Mineral Resources Division. April 1955.
(out of print) Cat. No. M38-2/11
- MR 12. - GERMANIUM, by W.J. Beard, Mineral Resources Division. April 1955.
(out of print) Cat. No. M38-2/12

- MR 13. - A SURVEY OF THE IRON ORE INDUSTRY IN CANADA DURING 1954, by W. Keith Buck, Mineral Resources Division. April 1955. 38p. 4 figs.
free Cat. No. M38-2/13
- MR 14. - A SURVEY OF DEVELOPMENTS IN THE TITANIUM INDUSTRY DURING 1954, by W. Keith Buck, Mineral Resources Division. April 1955. 26p. 6 tables.
(out of print) Cat. No. M38-2/14
- MR 15. - A SURVEY OF THE PETROLEUM INDUSTRY IN CANADA DURING 1954, by R.B. Toombs, Mineral Resources Division. May 1955. 31p. 4 charts. 22 tables.
(out of print) Cat. No. M38-2/15
- MR 16. - A SURVEY OF THE NATURAL GAS INDUSTRY IN CANADA DURING 1954, by R.B. Toombs, Mineral Resources Division. June 1955.
(out of print) Cat. No. M38-2/16
- MR 17. - A SURVEY OF THE IRON ORE INDUSTRY IN CANADA DURING 1955, by W. Keith Buck, Mineral Resources Division. March 1956. 48p. 6 figs.
(out of print) Cat. No. M38-2/17
- MR 18. - A SURVEY OF DEVELOPMENTS IN THE TITANIUM INDUSTRY DURING 1955, by W. Keith Buck, Mineral Resources Division. April 1956. 24p. 6 tables.
free Cat. No. M38-2/18
- MR 19. - A SURVEY OF THE PETROLEUM INDUSTRY IN CANADA DURING 1955, by R.B. Toombs, Mineral Resources Division. June 1956.
(out of print) Cat. No. M38-2/19

MR 20. - A SURVEY OF THE NATURAL GAS INDUSTRY IN CANADA DURING 1955, by R.B. Toombs, Mineral Resources Division. June 1956. 33p. 9 tables.

(out of print)

Cat. No. M38-2/20

MR 21. - RARE OR LESS COMMON METALS IN CANADA, by T.H. Janes, Mineral Resources Division. October 1956. 16p.

free

Cat. No. M38-2/21

MR 22. - A SURVEY OF THE IRON ORE INDUSTRY IN CANADA DURING 1956, by T.H. Janes, Mineral Resources Division. May 1957. 83p. 8 figs.

free

Cat. No. M38-2/22

MR 23. - A SURVEY OF THE PETROLEUM INDUSTRY IN CANADA DURING 1956, by R.B. Toombs and R.A. Simpson, Mineral Resources Division. June 1957. 80p. 29 tables.

free

Cat. No. M38-2/23

MR 24. - A SURVEY OF THE NATURAL GAS INDUSTRY IN CANADA DURING 1956, by R.B. Toombs and R.A. Simpson, Mineral Resources Division. May 1957. 49p. 11 tables. 2 charts.

(out of print)

Cat. No. M38-2/24

MR 25. - A SURVEY OF THE GOLD MINING INDUSTRY IN CANADA DURING 1956, by T.W. Verity, Mineral Resources Division. May 1957. 55p. 1 map.

free

Cat. No. M38-2/25

MR 26. - A SURVEY OF DEVELOPMENTS IN THE TITANIUM INDUSTRY DURING 1956, by T.H. Janes, Mineral Resources Division. August 1957. 40p. 11 tables.

free

Cat. No. M38-2/26

Note: This series is continued under the name of Mineral Information Bulletins by the Mineral Resources Division; see page 28.

PART II

Containing publications issued by the Mines Branch under its new series, i.e. Monographs, Information Circulars, Research Reports and Technical Bulletins.

MONOGRAPHS

866. - MANUAL OF ANALYTICAL METHODS FOR THE
URANIUM CONCENTRATING PLANT, by J.C. Ingles.
1959. 540p. 147 illus. Looseleaf.
\$10.00 Cat. No. M32-866

INFORMATION CIRCULARS

(Note: Series commences with IC 102)

- IC 102. - FORGEABILITY OF STEELS: A CRITICAL SURVEY OF THE LITERATURE, by W.A. Morgan and G.P. Contractor. 1958. 66p. 35 illus. Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-3/102
- IC 103. - TECHNICAL ADVANCES IN MILLING AND PROCESS METALLURGY IN CANADA DURING 1957, by L.E. Djingheuzian. 1958. 7p. 2 illus. Prepared in the Mineral Dressing and Process Metallurgy Division.
free Cat. No. M38-3/103
- IC 104. - PEAT MOSS IN CANADA, by A.A. Swinnerton. 1958. 31p. 3 tables. 12 illus. Prepared in the Fuels Division.
25¢ Cat. No. M38-3/104
- IC 105. - THE STORY OF THE EARLY DAYS OF THE EXTRACTION OF HELIUM GAS FROM NATURAL GAS IN CANADA, 1915-1920, by John Satterly, University of Toronto. 1959. 47p. 6 figs. Reproduced and distributed by the Mines Branch.
25¢ Cat. No. M38-3/105
- IC 106. - REVIEW AND EVALUATION OF METHODS OF PARTICLE SIZE ANALYSIS, by R.F. Pilgrim. 1958. 83p. 11 tables. Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-3/106

- IC 107. - COPPER IN DOMESTIC WATER SYSTEMS (A REVIEW), by John Ungar. 1959. 16p.
Prepared in the Mineral Processing Division.
25¢ Cat. No. M38-3/107
- IC 108. - EXTENSIVE PROGRESS BEING MADE IN HIGH TEMPERATURE TECHNOLOGY, by Norman F.H. Bright. 1958. 16p.
Prepared in the Mineral Dressing and Process Metallurgy Division.
10¢ Cat. No. M38-3/108
- IC 109. - DIRECT REDUCTION OF IRON ORE, by R.R. Rogers. 1958. 11p.
Prepared in the Mineral Dressing and Process Metallurgy Division.
10¢ Cat. No. M38-3/109
- IC 110. - (not available).
- IC 111. - THE CORROSION RESISTANCE OF WROUGHT IRON AND OPEN-HEARTH STEEL, A Literature Survey, by I.I. Tingley and R.R. Rogers. 1958. 21p.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-3/111
- IC 112. - (not available).
- IC 113. - THE RADIATION LABORATORY OF THE MINES BRANCH, 1947-1959, by G.G. Eichholz. 1959. 51p. 4 illus.
Prepared in the Radioactivity Division.
25¢ Cat. No. M38-3/113
- IC 114. - THE CANADIAN GYPSUM INDUSTRY, by R.K. Collings. 1959. 41p. 2 figs. 5 tables.
Prepared in the Mineral Processing Division.
25¢ Cat. No. M38-3/114

- IC 115. - PROPAGATING AND NON-PROPAGATING
FATIGUE CRACKS IN METALS, by R. C. A.
Thurston. 1960. 44p. 7 figs.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-3/115
- IC 116. - PHYSICAL METALLURGY AND USES OF GOLD
(Bibliography for the ten-year period 1950 to
1959), by L. Badone, Canadian Metal Mining
Association, and N. S. Spence. 1960. 86p.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-3/116
- IC 117. - DIRECTORY AND BIBLIOGRAPHY OF HIGH
TEMPERATURE CONDENSED STATES RESEARCH
IN CANADA AND ELSEWHERE, 1959, by
N. F. H. Bright. 1960. 99p.
Prepared in the Mineral Sciences Division.
25¢ Cat. No. M38-3/117
- IC 118. - DIRECTORY AND BIBLIOGRAPHY OF HIGH
TEMPERATURE CONDENSED STATES RESEARCH
IN CANADA AND ELSEWHERE, JANUARY TO
MARCH 1960, by N. F. H. Bright. 1960. 55p.
Prepared in the Mineral Sciences Division.
25¢ Cat. No. M38-3/118

RESEARCH REPORTS

- R 1. - SOME EFFECTS OF PRESSURE ON CONSUMABLE ELECTRODE ARC MELTING, by J.W. Suiter. 1958. 9p. 3 figs.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/1
- R 2. - THE EFFECTS OF FURNACE ATMOSPHERES ON THE SINTERING BEHAVIOUR OF URANIUM DIOXIDE, by A.H. Webster and N.F.H. Bright. 1958. 50p. 15 tables. 4 illus.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/2
- R 3. - THE LEACHING OF MANGANESE FROM PYROLUSITE ORE BY PYRITE, by G. Thomas and B.J.P. Whalley. 1958. 7p. 11 illus.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/3
- R 4. - THE COMPOUND $\text{CaO} \cdot \text{Ti}_2\text{O}_3$, by N.F.H. Bright, J.F. Rowland and J.G. Wurm. 1958. 4p. 2 tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/4
- R 5. - THE INFLUENCE OF ALUMINUM, LEAD AND IRON ON THE STRUCTURE AND PROPERTIES OF GALVANIZED COATINGS, by J.J. Sebisty and J.O. Edwards. 1958. 47p. 4 tables. 18 illus.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/5
- R 6. - A STUDY OF SURFACE CARBIDES, DIFFERENTIAL STEEL ATTACK AND PORE FORMATION IN THE GALVANIZING PROCESS, by J.J. Sebisty. 1958. 18p. 6 illus.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/6

- R 7. - SOME NEW FLUORIDE COMPLEXES OF TRIVALENT TITANIUM, by N.F.H. Bright and J.G. Wurm. 1958. 8p. 6 tables. Prepared in the Mineral Dressing and Process Metallurgy Division. 25¢ Cat. No. M38-1/7
- R 8. - THE CHEMISTRY OF MANGANESE DEPOSITS, by W.R. Trost. 1958. 125p. 24 tables. 19 illus. Prepared in the Mineral Dressing and Process Metallurgy Division. 25¢ Cat. No. M38-1/8
- R 9. - THE EFFECT OF ZINC CONTENT ON SOME PROPERTIES OF SAND-CAST MAGNESIUM-ZINC ALLOYS, by B. Lagowski and J.W. Meier. 1958. Prepared in the Physical Metallurgy Division. (in press) Cat. No. M38-1/9
- R 10. - (not available).
- R 11. - THE DESIGN OF HEAT-TREATABLE TITANIUM ALLOYS, by A.J. Williams. 1958. 26p. 4 tables. 9 illus. Prepared in the Physical Metallurgy Division. 25¢ Cat. No. M38-1/11
- R 12. - (not available).
- R 13. - (in preparation).
- R 14. - VOLTAIC CELLS IN FUSED SALTS. PART III. THE SYSTEM: SILVER-SILVER CHLORIDE, CADMIUM-CADMIUM CHLORIDE, by S.N. Flengas and T.R. Ingraham. 1958. 6p. Prepared in the Mineral Dressing and Process Metallurgy Division. 25¢ Cat. No. M38-1/14

- R 15. - A RADIOACTIVE DIAL MARKER FOR THE DECCA NAVIGATIONAL AID, by G.E. Alexander and G.G. Eichholz. 1958. 8p.
Prepared in the Radioactivity Division.
25¢ Cat. No. M38-1/15
- R 16. - VOLTAIC CELLS IN FUSED SALTS. PART I THE SILVER-SILVER CHLORIDE, COBALT-COBALTOUS CHLORIDE SYSTEM, by S.N. Flengas and T.R. Ingraham. 1958. 11p.
5 figs.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/16
- R 17. - VOLTAIC CELLS IN FUSED SALTS. PART II. THE SYSTEMS: (a) SILVER-SILVER CHLORIDE, LEAD-LEAD CHLORIDE; (b) SILVER-SILVER CHLORIDE, ZINC-ZINC CHLORIDE; (c) SILVER-SILVER CHLORIDE, NICKEL-NICKELOUS CHLORIDE, by S.N. Flengas and T.R. Ingraham. 1958. 6p.
5 illus. 3 tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/17
- R 18. - MEASUREMENT OF THE RESIDENCE TIME OF SLURRIES IN AN AERATOR TANK USING RADIOACTIVE TRACERS, by E.C. Gibson and G.G. Eichholz. 1958. 10p. 6 illus.
Prepared in the Radioactivity Division.
25¢ Cat. No. M38-1/18
- R 19. - EXPERIMENTAL ELECTRIC SMELTING OF MANGANESE ORES, PART I, by R.A. Campbell, G.E. Viens and R.R. Rogers. 1958. 7p. 9 tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/19

- R 20. - VOLTAIC CELLS IN FUSED SALTS. PART IV. ELECTRODE POTENTIALS OF THE SYSTEMS: Tl/TlCl (KCl-NaCl), Cu/CuCl (KCl-NaCl), Cu/CuCl₂ (KCl-NaCl), Cr/CrCl₂ (KCl-NaCl), AND Cr/CrCl₃ (KCl-NaCl). REDOX POTENTIALS OF THE SYSTEMS: Pt/CuCl, CuCl₂ (KCl-NaCl), AND Pt/CrCl₂, CrCl₃ (KCl-NaCl), by S.N. Flengas and T.R. Ingraham. 1958. 13p. 5 figs. 7 tables. Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/20
- R 21. - ON THE OCCURRENCE OF E-CARBIDE IN IRON, by F.W.C. Boswell. Prepared in the Physical Metallurgy Division. (in preparation) Cat. No. M38-1/21
- R 22. - (in preparation).
- R 23. - EFFECT OF SHOT PEENING PRIOR TO ELECTROPLATING ON THE FATIGUE PROPERTIES OF AN ALLOY STEEL, by N.B. Brown. 1958. 12p. 12 tables. 4 illus. Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/23
- R 24. - GAMMA-RAY ANALYSIS OF ATMOSPHERIC DUST SAMPLES, by J.L. Horwood. 1958. 22p. 1 table. 11 figs. Prepared in the Radioactivity Division.
25¢ Cat. No. M38-1/24
- R 25. - DETERMINATION OF KEROSENE ENTRAINMENT LOSSES IN THE SOLVENT EXTRACTION OF A LEACH LIQUOR, by C.M. Lapointe. 1958. 16p. 5 figs. Prepared in the Radioactivity Division.
25¢ Cat. No. M38-1/25

- R 26. - THE COMPOSITION AND CHRYSTALLOGRAPHY OF NIOCALITE, by E.H. Nickel, J.F. Rowland and J.A. Maxwell. 1958. 9p. 5 figs. 4 tables. Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/26
- R 27. - THE COMPOSITION AND MICROTTEXTURE OF AN ULVOSPINEL MAGNETITE INTERGROWTH, by E.H. Nickel. 1958. 9p. 2 tables. 5 figs. Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/27
- R 28. - EFFECT ON REAGENT CONSUMPTION OF RE-CYCLING SOLUTIONS IN THE WEAK ACID LEACHING OF A URANIUM ORE, by V.M. McNamara and W.A. Gow. 1958. 20p. 6 tables. 6 figs. Prepared in the Radioactivity Division.
25¢ Cat. No. M38-1/28
- R 29. - VOLTAIC CELLS IN FUSED SALTS. PART V. THE SYSTEMS: Sn/SnCl₂ (KCl-NaCl), Fe/FeCl (KCl-NaCl), AND Mn/MnCl₂ (KCl-NaCl), by S.N. Flengas and T.R. Ingraham. 1958. 6p. 3 tables. 2 figs. Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/29
- R 30. - LOW PRESSURE HYDROGENATION OF COKER DISTILLATE FROM ATHABASCA BITUMEN, by F.L. Booth, R.E. Carson, K.W. Bowles and D.S. Montgomery. 1958. 92p. 21 tables. 24 figs. Prepared in the Fuels Division.
25¢ Cat. No. M38-1/30

- R 31. - STUDIES IN THE SEPARATION OF THE RARE EARTHS FROM THORIUM IN SULPHATE SOLUTIONS, USING CATION EXCHANGE RESINS, by D.C. Lewis and J.C. Ingles. 1958. 40p. 6 tables. 11 figs.
Prepared in the Radioactivity Division.
25¢ Cat. No. M38-1/31
- R 32. - SOME SOLUBILITY STUDIES IN THE SYSTEM: THORIUM CARBONATE-SODIUM CARBONATE-SODIUM BICARBONATE-SODIUM SULPHATE-WATER, by J.C. Ingles and F.J. Kelly. 1958. 9p. 4 tables.
Prepared in the Radioactivity Division.
25¢ Cat. No. M38-1/32
- R 33. - RECOVERY OF URANIUM FROM AN ACID LEACH LIQUOR, USING AN ANION EXCHANGE RESIN AND SODIUM CARBONATE AND BICARBONATE AS ELUTING AGENTS, by E. Kornelsen, V.M. McNamara and J.C. Ingles. 1959. 47p. 23 tables. 4 figs.
Prepared in the Extraction Metallurgy Division.
25¢ Cat. No. M38-1/33
- R 34. - THE "THORIN" COLORIMETRIC METHOD FOR THORIUM DETERMINATION: EFFECT OF SOME COMMON IONS, AND METHODS FOR OVERCOMING INTERFERENCES, by J.A.F. Bouvier and R.J. Guest. 1958. 14p. 6 tables.
Prepared in the Radioactivity Division.
25¢ Cat. No. M38-1/34
- R 35. - EFFECTS OF COLD WORK AND QUENCHING ON THE MAGNETIC SUSCEPTIBILITY OF A COMMERCIAL TITANIUM ALLOY, by Y.L. Yao.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/35

- R 36. - THE MEASUREMENT OF WALL THICKNESS OF METAL FROM ONE SIDE ONLY, BY THE DIRECT CURRENT CONDUCTION METHOD, by J.G. Buchanan, F.W. Marsh and R.C.A. Thurston. 1958. 5p. 1 table. 4 figs.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/36
- R 37. - THE EFFECT OF DIFFERENT SURFACE TREATMENTS ON THE FATIGUE STRENGTH OF DRILL STEEL, by T.W. Wlodek. 1959. 13p. 9 figs. 7 tables.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/37
- R 38. - THE EFFECT OF VARIOUS FACTORS ON THE MECHANICAL PROPERTIES OF MAGNESIUM ALLOY CASTINGS, by J.W. Meier. 1959. 16p. 11 figs. 10 tables.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/38
- R 39. - PRESSURE DISTRIBUTION WITHIN A VACUUM ARC FURNACE, by J.W. Suiter. 1958. 3p. 5 figs. 2 tables.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/39
- R 40. - GRAIN BOUNDARIES IN METALS,
A. Grain Boundary Melting,
B. Further Observations on Grain Boundary Melting,
C. Grain Boundary Shear in Aluminum, by
F. Weinberg. 1958. 24p. 18 figs. 2 tables.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/40
- R 41. - THE ELUTION WITH CARBONATE SOLUTION OF AN ION EXCHANGE RESIN LOADED WITH URANYL SULPHATE, by V.M. McNamara and W.A. Gow. 17p. 7 tables. 2 figs.
Prepared in the Radioactivity Division.
25¢ Cat. No. M38-1/41

- R 42. - ORBITAL THEORY IN THE TRANSITION METALS,
by W.R. Trost. 77p. 3 tables. 15 figs.
Prepared in the Mineral Dressing and Process
Metallurgy Division.
25¢ Cat. No. M38-1/42
- R 43. - SOME ANALYTICAL APPLICATIONS OF SOLVENT
EXTRACTION FROM SULPHATE SOLUTION WITH
LONG CHAIN ALKYL AMINES, by R.J. Guest and
J.A.F. Bouvier. 39p. 12 tables. 8 figs.
Prepared in the Radioactivity Division.
25¢ Cat. No. M38-1/43
- R 44. - GRAIN BOUNDARIES IN METALS, by F. Weinberg.
82 p. 19 illus. 81 refs.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/44
- R 45. - THE ALUM-AMINE PROCESS FOR THE RECOVERY
OF ALUMINA FROM SHALE, by G. Thomas and
T.R. Ingraham. 27p. 13 tables. 2 figs.
Prepared in the Mineral Dressing and Process
Metallurgy Division.
25¢ Cat. No. M38-1/45
- R 46. - A GRAPHICAL DETERMINATION OF URANIUM
AND THORIUM IN ORES FROM THEIR GAMMA-
RAY SPECTRA, by J. L. Horwood. 1959. 24p.
Prepared in the Mineral Sciences Division.
25¢ Cat. No. M38-1/46
- R 47. - VACUUM DEGASSING OF STEEL, PART I:
LITERATURE SURVEY AND PRELIMINARY WORK,
by D.E. Parsons and W.A. Morgan. 81p. 7 tables.
33 figs.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/47

- R 48. - THE CRYSTALLOGRAPHY OF COMPOUNDS IN THE CALCIUM OXIDE-NIOBIUM PENTOXIDE SYSTEM, by John F. Rowland, Norman F.H. Bright and Arnout Jongejan. 19p. 3 tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/48
- R 49. - EMBRITTLEMENT OF SOLID METALS IN A LIQUID METAL, by W.A. Morgan. 1959. 7p.
Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/49
- R 50. - SOLUBILITIES OF $TiCl_4$ IN MIXTURES OF KCl-NaCl AND THE ELECTRODE POTENTIALS OF THE TITANIUM CHLORIDES IN 1/1 (MOLE) KCl-NaCl SOLUTIONS, by S.N. Flengas. 1960. 20p. 8 figs. 6 tables.
Prepared in the Extraction Metallurgy Division.
25¢ Cat. No. M38-1/50
- R 51. - RADIOCHEMICAL EVALUATION OF FIRE ASSAY METHOD FOR DETERMINATION OF SILVER, by G.H. Faye and W.R. Inman. 1959. 5p. 3 figs. 6 tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/51
- R 52. - ELECTROMOTIVE FORCE SERIES OF METALS IN FUSED SALTS AND ACTIVITIES OF METAL CHLORIDES IN 1:1 MOLAR KCl-NaCl SOLUTIONS, by S.N. Flengas and T.R. Ingraham. 1959. 8p. 8 figs. 3 tables.
Prepared in the Mineral Dressing and Process Metallurgy Division.
25¢ Cat. No. M38-1/52

- R 53. - SURFACE AREA DETERMINATION OF MAGNESIUM POWDER WITH CHROMIUM-51 TRACER SOLUTIONS, by H. P. Dibbs. 1959. 16p. 4 figs. 4 tables. Prepared in the Mineral Sciences Division.
25¢ Cat. No. M38-1/53
- R 54. - EFFECT OF CASTING TEMPERATURE ON ALUMINIUM ALLOY TEST BAR PROPERTIES, by J. W. Meier and A. Couture. 1959. 44p. 14 tables. 9 figs. Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/54
- R 55. - SLOPES OF WORKING CURVES IN EMISSION SPECTROMETRIC ANALYSIS OF CERTAIN SILICATES, by J. K. Hurwitz. 1959. 4p. 4 tables. Prepared in the Physical Metallurgy Division.
25¢ Cat. No. M38-1/55
- R 56. - (in preparation).
- R 57. - THE OCCURRENCE OF NATIVE NICKEL-IRON IN THE SERPENTINE ROCK OF THE EASTERN TOWNSHIPS OF QUEBEC PROVINCE, by E. H. Nickel. 1960. 13p. 8 figs. 4 tables. Prepared in the Mineral Sciences Division.
25¢ Cat. No. M38-1/57
- R 58. - EXCHANGE REACTIONS BETWEEN ZINC AND ITS IONS, by J. E. Sandor. 1959. 27p. 11 figs. Prepared in the Mineral Sciences Division.
25¢ Cat. No. M38-1/58
- R 59. - CONTINUOUS MONITORING OF URANIUM LEACH SOLUTIONS, by G. G. Eichholz. 1960. 24p. 13 figs. 2 tables. Prepared in the Mineral Sciences Division.
25¢ Cat. No. M38-1/59

- R 60. - SURFACE AREA DETERMINATION OF MAGNESIUM POWDERS BY SORPTION OF C-14-LABELED OLEIC ACID, by C. M. Lapointe. 1960. 10p. 2 figs. Prepared in the Mineral Sciences Division.
25¢ Cat. No. M38-1/60
- R 61. - ISOLATION OF THE RARE EARTH ELEMENTS, by J. B. Zimmerman and J. C. Ingles. 1960. 6p. 1 fig. 12 tables. Prepared in the Extraction Metallurgy Division.
25¢ Cat. No. M38-1/61
- R 62. - SURFACE EXCHANGE REACTIONS OF SILVER AND ITS IONS, by J. E. Sandor. Prepared in the Mineral Sciences Division.
(in press).
- R 63. - (in preparation).
- R 64. - EFFECT OF HIGH TEMPERATURES ON CONCRETES INCORPORATING DIFFERENT AGGREGATES, by N. G. Zoldners. 1960. 48p. 12 tables. 12 figs. Prepared in the Mineral Processing Division.
25¢ Cat. No. M38-1/64
- R 65. - A CORROSION STUDY IN PROCESSING URANIUM ORE, by I. I. Tingley and R. R. Rogers. 1960. 6p. 11 tables. 5 figs. Prepared in the Extraction Metallurgy Division.
25¢ Cat. No. M38-1/65
- R 66. - EQUILIBRIUM DECOMPOSITION PRESSURES OF K_2TiCl_6 , by S. N. Flengas and T. R. Ingraham. 1960. 5p. 2 figs. 2 tables. Prepared in the Extraction Metallurgy Division.
25¢ Cat. No. M38-1/66

TECHNICAL BULLETINS

- TB 1. - COMBUSTION OF EASTERN CANADIAN COAL IN THIN FIRES ON A SPREADER-FIRED AIR-COOLED OSCILLATING GRATE, by E. R. Mitchell and F. D. Friedrich, Fuels Division and G. A. Gauthier, Dominion Coal Company Limited. 68p. 18 tables. 19 figs.
Prepared in the Fuels Division.
25¢ Cat. No. M34-20/1
- TB 2. - FLOTATION OF URANIUM ORES FROM THE ELLIOT LAKE AREA, ONTARIO, by W. R. Honeywell. 1959. 8p. 1 fig. 1 table.
Prepared in the Extraction Metallurgy Division.
25¢ Cat. No. M34-20/2
- TB 3. - AIR OXIDATION ACID PRESSURE LEACH INVESTIGATIONS OF URANIUM-BEARING ORES FROM ELLIOT LAKE, ONTARIO, by V. F. Harrison and W. A. Gow. 1959. 25p. 4 figs. 10 tables.
Prepared in the Extraction Metallurgy Division.
25¢ Cat. No. M34-20/3
- TB 4. - A LABORATORY STUDY ON THE AGGLOMERATION OF COAL IN THE PRESENCE OF PLASTICIZING AGENTS AT MODERATE TEMPERATURES AND HIGH PRESSURES, by Lewis H. King. 1959. 31 p. 12 figs. 5 tables.
Prepared in the Fuels Division.
25¢ Cat. No. M34-20/4
- TB 5. - HEAVY MEDIA SEPARATION IN AGGREGATE BENEFICIATION, by V. A. Haw. 1959. 28p. 9 tables. 2 figs.
Prepared in the Mineral Processing Division.
25¢ Cat. No. M34-20/5

- TB 6. - RELATIONSHIP OF VARIOUS FACTORS TO THE QUALITY OF COKED BRIQUETS MADE FROM MIXTURES OF COKING COALS AND INERT MATERIAL, by E. Swartzman. 1959. 20p. 2 figs. 7 tables.
Prepared in the Fuels Division.
25¢ Cat. No. M34-20/6
- TB 7. - (in preparation).
- TB 8. - (in preparation).
- TB 9. - BRIQUETTING COALS WITH BINDERS AND STATISTICAL EVALUATION OF BRIQUET TESTS, by R. P. Charbonnier and J. Visman. 1959. 34p. 14 tables. 8 figs.
Prepared in the Fuels Division.
25¢ Cat. No. M34-20/9
- TB 10. - A LABORATORY STUDY OF THE BINDERLESS BRIQUETTING OF WESTERN CANADIAN COALS, by A. R. McKenzie, Jacqueline L. Picard and J. Visman. 31p. 27 figs. 3 tables.
Prepared in the Fuels Division.
25¢ Cat. No. M34-20/10
- TB 11. - A VISCOMETER FOR MINERAL SUSPENSIONS, by G. R. Purdy and G. G. Eichholz. 1959. 37p. 6 tables. 15 figs.
Prepared in the Mineral Sciences Division.
25¢ Cat. No. M34-20/11
- TB 12. - RADIOACTIVE MARKING OF STEEL BALLS FOR GRINDING TESTS, by G. G. Eichholz. 1959. 6p. 1 fig.
Prepared in the Mineral Sciences Division.
25¢ Cat. No. M34-20/12

- TB 13. - THE RECOVERY OF METAL GRADE THORIUM CONCENTRATE FROM URANIUM PLANT ION EXCHANGE EFFLUENTS BY AMINE SOLVENT EXTRACTION, by R. Simard. 1960. 25p.
3 figs. 6 tables.
Prepared in the Extraction Metallurgy Division.
25¢ Cat. No. M34-20/13
- TB 14. - (in preparation).
- TB 15. - A GATED OSCILLATOR CIRCUIT FOR THE MEASUREMENT OF SHORT TIME INTERVALS, by J. D. Keys and G. E. Alexander. 1959. 3p.
2 figs.
Prepared in the Mineral Sciences Division.
25¢ Cat. No. M34-20/15
- TB 16. - RAPID TEST METHODS FOR DETERMINATION OF THE APPROXIMATE AVERAGE PORE RADIUS, TOTAL PORE VOLUME AND SURFACE AREA CONTAINED IN POROUS MATERIALS, by W. D. Machin, B. I. Parsons and D. S. Montgomery. 1960. 18p. 1 table. 3 figs.
Prepared in the Fuels and Mining Practice Division.
25¢ Cat. No. M34-20/16
- TB 17. - (in preparation).
- TB 18. - MEASUREMENT OF THE WEAR RATE OF CAST GRINDING BALLS USING RADIOACTIVE TRACERS, by J. D. Keys and G. G. Eichholz. 1960. 14p.
3 tables. 3 figs.
Prepared in the Mineral Sciences Division.
25¢ Cat. No. M34-20/18

PART III

Containing the Mineral Resources Division publications, i.e. Mineral Reports, Mineral Surveys, Mineral Information Bulletins, Operators Lists, Annual Mineral Reviews and Maps.

MINERAL REPORTS

Mineral Report 1. - THE CANADIAN MINERAL INDUSTRY,
1956. 447p.
\$1.00 Cat. No. M38-5/1

Mineral Report 2. - THE CANADIAN MINERAL INDUSTRY,
1957.
(in press) Cat. No. M38-5/2

Mineral Report 3. - PLATINUM METALS OF CANADA,
by C. C. Allen.
(in press)

MINERAL SURVEYS

Mineral Survey 1. - BERYLLIUM IN CANADA, by W. H.
Jackson.
(in preparation).

MINERAL INFORMATION BULLETINS

- MR 27. - A SURVEY OF THE IRON ORE INDUSTRY IN CANADA DURING 1957, by T.H. Janes and R.B. Elver, Mineral Resources Division. June 1958. 116p. 8 illus.
25¢ Cat. No. M38-2/27
- MR 28. - IRON ORE AND OTHER RAW-MATERIAL SOURCES FOR A PRIMARY IRON AND STEEL INDUSTRY IN WESTERN CANADA, by T.H. Janes, Mineral Resources Division. April 1958. 10p. 3 tables. 1 map.
free Cat. No. M38-2/28
- MR 29. - MINERAL LEGISLATION 1958. Compiled by E.C. Hodgson, Mineral Resources Division. December 1958. 11p.
25¢ Cat. No. M38-2/29
- MR 30. - SUMMARY REVIEW OF FEDERAL TAXATION AND CERTAIN OTHER FEDERAL LEGISLATION AFFECTING MINING, OIL, AND NATURAL GAS ENTERPRISES IN CANADA. Compiled by E.C. Hodgson, Mineral Resources Division. January 1959. 23p.
25¢ Cat. No. M38-2/30
- MR 31. - SURVEY OF THE CANADIAN IRON ORE INDUSTRY DURING 1958, by T.H. Janes and R.B. Elver, Mineral Resources Division. June 1959. 148p. 7 illus.
50¢ Cat. No. M38-2/31
- MR 32. - SURVEY OF THE PRIMARY ZINC INDUSTRY IN CANADA IN 1958, by D.B. Fraser, Mineral Resources Division. August 1959. 69p. 25 tables. 4 figs.
50¢ Cat. No. M38-2/32

- MR 33. - MARKETS FOR IRON AND STEEL PRODUCTS IN WESTERN CANADA, by T.H. Janes, Mineral Resources Division. September 1959. 28p. 22 tables.
25¢ Cat. No. M38-2/33
- MR 34. - A SURVEY OF THE URANIUM INDUSTRY IN CANADA, by J.W. Griffith, Mineral Resources Division. November 1959. 94p. 10 illus. 1 table.
50¢ Cat. No. M38-2/34
- MR 35. - A SURVEY OF THE PETROLEUM INDUSTRY IN CANADA, 1957 and 1958, by R.A. Simpson and R.L. Borden, Mineral Resources Division. June 1959. 84p. 33 tables. 7 figs.
50¢ Cat. No. M38-2/35
- MR 36. - A SURVEY OF THE STEEL PIPE AND TUBE INDUSTRY OF CANADA, by T.H. Janes, Mineral Resources Division. October 1959. 46p. 13 tables. 8 figs.
50¢ Cat. No. M38-2/36
- MR 37. - SURVEY OF THE COPPER INDUSTRY IN CANADA, 1958, by A.F. Killin. Mineral Resources Division. October 1959. 108p. 14 tables. 3 figs.
50¢ Cat. No. M38-2/37
- MR 38. - SOME ECONOMIC FACTORS AFFECTING NORTHERN MINERAL DEVELOPMENT IN CANADA, by Amil Dubnie, Mineral Resources Division. December 1959. 61p. 1 map.
50¢ Cat. No. M38-2/38
- MR 39. - A SURVEY OF THE NATURAL GAS INDUSTRY IN CANADA 1957-1959, by R.A. Simpson and R. L. Borden. 82p. 20 tables. 16 figs.
50¢ Cat. No. M38-2/39

- MR 40. - ST. LAWRENCE SEAWAY AND THE CANADIAN MINERAL INDUSTRY WITH PARTICULAR REFERENCE TO IRON ORE, by R.B. Elver, Mineral Resources Division. February 1960. 21p. 7 tables. 1 map. 25¢ Cat. No. M38-2/40
- MR 41. - DIRECT IRON PROCESSES AND THEIR PROSPECTS IN EASTERN CANADA, by R.B. Elver. 63p. 15 tables. 5 figs. 1 map. 50¢ Cat. No. M38-2/41
- MR 42. - SUMMARY REVIEW OF FEDERAL TAXATION AND CERTAIN OTHER FEDERAL LEGISLATION AFFECTING MINING, OIL, AND NATURAL GAS ENTERPRISES IN CANADA, 1959 (in preparation)* Cat. No. M38-2/42
- MR 43. - A SURVEY OF THE ZINC INDUSTRY IN CANADA, 1959, by D.B. Fraser. (in preparation)* Cat. No. M38-2/43
- MR 44. - A SURVEY OF THE URANIUM INDUSTRY IN CANADA, 1959, by J.W. Griffith. (in press) Cat. No. M38-2/44
- MR 45. - SURVEY OF THE PRIMARY IRON AND STEEL INDUSTRY IN CANADA DURING 1959, by R.B. Elver. 121p. 9 figs. 26 tables. 50¢ Cat. No. M38-2/45
- MR 46. - A SURVEY OF THE STEEL INDUSTRY IN CANADA, 1959, by T.H. Janes. (in preparation)* Cat. No. M38-2/46
- MR 47. - A SURVEY OF THE COPPER INDUSTRY IN CANADA, 1959, by A.F. Killin. (in press) Cat. No. M38-2/47

*to be released during the Fall of 1960.

OPERATORS LISTS

(see pages 141 and 142 of Sectional Catalogue No. 12)

During 1958 the numbering of the annual Operators Lists was amended as follows: (No. 7 was added in 1960)

- List 1, Part 1: METALLURGICAL WORKS IN CANADA,
PRIMARY IRON AND STEEL. 1960.
25¢ Cat. No. M36-60/1-1

- List 1, Part 2: METALLURGICAL WORKS IN CANADA,
NON-FERROUS AND PRECIOUS METALS.
1960.
(in press).

- List 2: METAL AND INDUSTRIAL MINERAL MINES
IN CANADA. 1960.
(in preparation).

- List 3, Part 1: MILLING PLANTS IN CANADA, METALLIC
ORES. 1960.
25¢ Cat. No. M36-60/3-1

- List 3, Part 2: MILLING PLANTS IN CANADA,
INDUSTRIAL MINERALS. 1960.
(in preparation).

- List 4: COAL MINES IN CANADA. 1960.
25¢ Cat. No. M36-60/4

- List 5: PETROLEUM REFINERIES IN CANADA.
1960.
25¢ Cat. No. M36-60/5

- List 6: CERAMIC PLANTS IN CANADA. 1960.
(in preparation).

- List 7: NATURAL GAS PROCESSING PLANTS IN
CANADA. 1960.
(in press).

ANNUAL MINERAL REVIEWS

Preliminary mineral reviews on the Canadian mineral industry. Published annually. The series is comprised of separate reviews of metallics, industrial minerals and fuels, prepared in collaboration with the Mines Branch.

List of Reviews for 1958

1. Summary Review of the Canadian Mineral Industry in 1958 by B. F. Burke.

METALLICS

2. Aluminum, by W.H. Jackson
3. Antimony, by D.B. Fraser
4. Bismuth, by D.B. Fraser
5. Cadmium, by D.B. Fraser
6. Calcium, by W.H. Jackson
7. Chromite, by V.B. Schneider
8. Cobalt, by V.B. Schneider
9. Copper, by A. F. Killin
10. Gold, by T.W. Verity
11. Indium, by D.B. Fraser
12. Iron Ore, by R.B. Elver
13. Lead, by D.B. Fraser
14. Magnesium, by W.H. Jackson
15. Manganese, by V.B. Schneider
16. Molybdenum, by V.B. Schneider
17. Nickel, by C.C. Allen
18. Platinum Metals, by C.C. Allen
19. Selenium & Tellurium, by A.F. Killin
20. Silver, by D.B. Fraser
21. Tin, by W.H. Jackson
22. Titanium, by V.B. Schneider
23. Tungsten, by V.B. Schneider
24. Uranium, by J.W.D. Griffith
25. Zinc, by D.B. Fraser.

INDUSTRIAL MINERALS

26. Abrasives*, by J.S. Ross
27. Aggregates, Lightweight**, by H.S. Wilson
28. Arsenic Trioxide, by J.S. Ross
29. Asbestos, by H.M. Woodrooffe
30. Barite, by J.S. Ross
31. Bentonite, by R.M. Buchanan
32. Cement, by V.A. Haw
33. Clay & Clay Products, by S. Matthews
34. Diatomite, by J.S. Ross
35. Feldspar, by J.E. Reeves
36. Fluorspar, by C.M. Bartley
37. Gypsum & Anhydrite, by R.K. Collings
38. Lime, by J.S. Ross
39. Limestone, by J.S. Ross
40. Lithium Minerals, by J.E. Reeves
41. Magnesite & Brucite, by H.M. Woodrooffe
42. Mica, by J.E. Reeves
43. Mineral Pigments and Fillers***, by H.M. Woodrooffe
44. Nepheline Syenite, by J.E. Reeves
45. Phosphate, by J.E. Reeves
46. Potash, by C.M. Bartley
47. Roofing Granules, by F.E. Hanes
48. Salt, by R.K. Collings
49. Sand, Gravel and Crushed Stone, by F.E. Hanes
50. Silica, by R.K. Collings
51. Sodium Sulphate, by C.M. Bartley
52. Stone, Building & Ornamental****, by F.E. Hanes
53. Sulphur, by C.M. Bartley
54. Talc & Soapstone; Pyrophyllite, by J.E. Reeves

MINERAL FUELS

55. Coal and Coke, by E. Swartzman and E.J. Burrough
56. Natural Gas, by R.L. Borden
57. Crude Petroleum, by R.A. Simpson

*Corundum, emery, garnet, quartz, grindstone, pumice, grinding pebbles.

**Expanded clay, shale, slag, vermiculite and perlite, and pumice.

***Ochres, whiting, etc.

****Granite, structural limestone, marble, sandstone.

List of Reviews for 1959

These are in preparation and will be issued from time to time during 1960.

1. Summary Review of the Canadian Mineral Industry in 1959 by B.F. Burke

METALLICS

2. Aluminum, by W.H. Jackson
3. Antimony, by J.W. Patterson
4. Bismuth, by J.W. Patterson
5. Cadmium, by D.B. Fraser
6. Calcium, by W.H. Jackson
7. Chromium, by V.B. Schneider
8. Cobalt, by V.B. Schneider
9. Copper, by A.F. Killin
10. Gold, by T.W. Verity
11. Indium, by D.B. Fraser
12. Iron Ore, by R.B. Elver
13. Lead, by J.W. Patterson
14. Magnesium, by W.H. Jackson
15. Manganese, by V.B. Schneider
16. Molybdenum, by V.B. Schneider
17. Nickel, by C.C. Allen
18. Platinum Metals, by C.C. Allen
19. Selenium & Tellurium, by A.F. Killin
20. Silver, by J.W. Patterson
21. Tin, by W.H. Jackson
22. Titanium, by V.B. Schneider
23. Tungsten, by V.B. Schneider
24. Uranium, by J.W.D. Griffith
25. Zinc, by D.B. Fraser

INDUSTRIAL MINERALS

26. Abrasives, by J.S. Ross
27. Aggregates, Lightweight, by H.S. Wilson
28. Arsenic Trioxide, by J.S. Ross

29. Asbestos, by H. M. Woodrooffe
30. Barite, by J. S. Ross
31. Bentonite, by R. M. Buchanan
32. Cement, by J. S. Ross
33. Clay & Clay Products, by J. G. Brady
34. Feldspar, by J. E. Reeves
35. Fluorspar, by C. M. Bartley
36. Graphite, by J. E. Reeves
37. Gypsum & Anhydrite, by R. K. Collings
38. Lime, by J. S. Ross
39. Limestone, by J. S. Ross
40. Lithium Minerals, by J. E. Reeves
41. Magnesite & Brucite, by H. M. Woodrooffe
42. Mica, by J. E. Reeves
43. Mineral Pigments & Fillers, by H. M. Woodrooffe
44. Nepheline Syenite, by J. E. Reeves
45. Phosphate, by J. E. Reeves
46. Potash, by C. M. Bartley
47. Roofing Granules, by F. E. Hanes
48. Salt, by R. K. Collings
49. Sand, Gravel & Crushed Stone, by F. E. Hanes
50. Silica, by R. K. Collings
51. Sodium Sulphate, by C. M. Bartley
52. Stone, Building & Ornamental, by F. E. Hanes
53. Sulphur, by C. M. Bartley
54. Talc & Soapstone; Pyrophyllite, by J. E. Reeves

MINERAL FUELS

55. Coal & Coke, by E. Swartzman and E. J. Burrough
56. Natural Gas, by R. L. Borden
57. Petroleum, by R. A. Simpson

MAPS

MAP MR 1. - A MAP SHOWING LOCATION OF CANADIAN
IRON ORE AND THE NORTH AMERICAN
IRON AND STEEL INDUSTRY. 1958.

free

Reprinted April 1959.