

Mines Branch Information Circular IC 214
BIBLIOGRAPHY OF HIGH-TEMPERATURE CONDENSED
STATES RESEARCH PUBLISHED IN CANADA,
OCTOBER-DECEMBER, 1968

by

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SYNOPSIS

This report contains bibliographic information concerning research work on high-temperature condensed states published in Canadian journals from October 1 to December 31, 1968.

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BIBLIOGRAPHIE DES RECHERCHES EFFECTUÉES
DANS LE DOMAINE DES ÉTATS CONDENSÉS AUX
TEMPÉRATURES ÉLEVÉES, AU CANADA,
D'OCTOBRE À DÉCEMBRE, 1968

par

Norman F.H. Bright*

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RÉSUMÉ

Le présent rapport contient des renseignements bibliographiques sur les recherches effectuées sur les états condensés aux températures élevées, publiées dans les revues scientifiques canadiennes au cours de la période d'octobre 1 à décembre 31, 1968.

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INTRODUCTION

This report is a further contribution to the series of bibliographic bulletins of information on high-temperature condensed states research that have been published as Mines Branch Information Circulars since March 1960 on behalf of the Commission on High Temperatures and Refractories of the International Union of Pure and Applied Chemistry. The present document covers the three-month period from October 1 to December 31, 1968, and gives details of work published in Canadian scientific and technical journals during that period.

Anyone not now receiving these reports who wishes to do so, anyone who would like to receive the analogous documents relating to research on the gaseous state and on plasma phenomena, or anyone who currently receives either of these bibliographies but to whom they are no longer of interest, is requested to advise the compiler accordingly so that the appropriate changes may be made in the relevant mailing lists.

The compiler would very much appreciate being advised of any work published in Canadian journals, and lying within the scope of these bibliographies, that has escaped his notice in order that such work may be mentioned in a subsequent issue of this series of Information Circulars.

Any further information concerning these bibliographies or any of the other relevant IUPAC activities can be obtained from the compiler of this report at the following address:

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Anyone interested to receive the High-Temperature Gaseous State Bibliographies that are prepared on a quarterly basis by Professor Leo Brewer of the University of California should notify the compiler of the present document and arrangements will be made to have these Gaseous State Bibliographies sent gratis to such people.

BIBLIOGRAPHY OF WORK ON HIGH-TEMPERATURE

CONDENSED STATES PUBLISHED IN CANADA,

OCTOBER-DECEMBER, 1968

International Union of Pure and Applied Chemistry
Commission on High Temperatures and Refractories

Bibliography (October 1 to December 31, 1968)
for Canada

collected by Dr. Norman F. H. Bright, Mines Branch, Ottawa

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Nil

B. Devices for measuring and controlling temperatures above 1500°C

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D. Fraser and R. F. Pilgrim (Extraction Metallurgy Division, Mines Branch, Department of Energy, Mines and Resources, Ottawa, Ontario).

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a. Metallic materials

Nil

b. Non-metallic materials

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Osvold Knop and François Brisse (Department of Chemistry, Dalhousie University, Halifax, Nova Scotia), and R. E. Meads and J. Bainbridge (Department of Physics, University of Exeter, Exeter, England).
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4. Chalcogenides of the Transition Elements: VI. X-ray, Neutron and Magnetic Investigation of the Spinel Co_3O_4 , $NiCo_2O_4$, Co_3S_4 and $NiCo_2S_4$.
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c. Mixed materials

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E. Properties, at temperatures above 1000°C, of materials that melt above 1500°C

a. Metallic materials

Nil

b. Non-metallic materials

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F. Properties, at temperatures above 1000°C, of materials that melt below 1500°C

a. Metallic materials

Nil

b. Non-metallic materials

1. Melting Points of Inorganic Fluorides.
H. Kojima, S. G. Whiteway and C. R. Masson
(Atlantic Regional Laboratory, National Research Council of Canada, Halifax, Nova Scotia).
Canad. Journ. Chem., 46 [18], 2968-2971 (1968).

c. Mixed materials

Nil

G. Phase equilibria

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J. Grindlay (Department of Physics, University of Waterloo, Waterloo, Ontario).
Canad. Journ. Phys., 46 [20], 2253-2258 (1968).
2. Phase Relations in the Sodium Sulphate-Sulphuric Acid and Sodium Pyrosulphate-Water Systems.
M. C. B. Hotz and T. R. Ingraham (Extraction Metallurgy Division, Mines Branch, Department of Energy, Mines and Resources, Ottawa, Ontario).
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3. Equilibria in the Sodium Oxide - Sulphur Trioxide - Water System.
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J. Review article

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