

Mines Branch Information Circular IC 250

BIBLIOGRAPHY OF HIGH-TEMPERATURE CONDENSED  
STATES RESEARCH PUBLISHED IN CANADA,  
APRIL-JUNE, 1970

by

Norman F. H. Bright\*

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SYNOPSIS

This report contains bibliographic information concerning research work on high-temperature condensed states published in Canadian journals from April 1 to June 30, 1970.

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\*Head, Physical Chemistry Section, Mineral Sciences Division, Mines Branch, Department of Energy, Mines and Resources, Ottawa, Canada.

Direction des mines, Circulaire d'information IC 250.

BIBLIOGRAPHIE DES  
RECHERCHES EFFECTUÉES DANS LE DOMAINE DES ÉTATS  
CONDENSÉS AUX TEMPÉRATURES ÉLEVÉES, AU CANADA,  
D'AVRIL À JUIN, 1970.

par

Norman F.H. Bright\*

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'avril 1 à juin 30, 1970.

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\*Chef, Section de la chimie physique, Division des sciences minérales, Direction des mines, ministère de l'Énergie, des Mines et des Ressources, Ottawa, Canada.

## 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 April 1 to June 30, 1970 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, or anyone who currently receives 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:

Dr. Norman F. H. Bright,  
Mineral Sciences Division,  
Mines Branch,  
Department of Energy, Mines and Resources,  
555 Booth Street,  
Ottawa 1, Ontario.

The recipients of these bibliographies are reminded that they will no longer receive gratis copies of the quarterly bibliographies published on an international basis, for both condensed- and gaseous-states work, by the National Bureau of Standards, Washington, D. C. As detailed in earlier issues of this series of Information Circulars, those wishing to receive these International documents should purchase them from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402, U. S.A. They should ask for NBS Special Publication 315.

The compiler of these reports also wishes to remind the recipients that, on request, the Superintendent of Documents will place their names on a special register, Notification Key N-380, to be notified of the price and availability of each issue of S. P. 315 as it is published.

BIBLIOGRAPHY OF WORK ON HIGH-TEMPERATURE  
CONDENSED STATES PUBLISHED IN CANADA,  
APRIL - JUNE, 1970

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

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

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Anon.

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NIL

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V. Kambersky (Department of Physics, Simon Fraser University,  
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M. El-Azab and C. F. Weissfloch (Eaton Electronics Research  
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2. Electron Spin Resonance of Nitric Oxide Adsorbed on Zeolites.  
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Harry C. Lord III (Jet Propulsion Laboratory, California Institute  
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E. Properties, at temperatures above 1000°C, of materials that melt  
above 1500°C

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J. T. Rozsa and F. E. Wall (Research Centre, Republic Steel Corporation, Independence, Ohio, U. S. A.).

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Bhim S. Sharma and Klaus E. Rieckhoff (Simon Fraser University, Burnaby, British Columbia).

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c. Mixed materials

NIL

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

NIL

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R. W. Shewman and L. A. Clark (Department of Geological Sciences, McGill University, Montreal, Quebec).  
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4. The Extraction of Strontium from the Mineral Celestite.  
Sutarno, R. H. Lake and W. S. Bowman (Mineral Sciences Division, Mines Branch, Department of Energy, Mines and Resources, Ottawa, Ontario).  
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Akira Yazawa and Takeshi Azakami (Research Institute of Mineral Dressing and Metallurgy, Tohoku University, Sendai, Japan).  
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#### J. Review articles

1. Canada Strong in Ferrites Know-How.  
Anon.  
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#### K. Books

1. Chemical Canada.  
C. J. Warrington and B. T. Newbold.  
Published in May, 1970, by the Chemical Institute of Canada, 151 Slater Street, Ottawa 4, Ontario. (290 pages).

(Extensive review of development of all facets of chemistry in industry, government and the academic fields over the past 300 years and particularly over the last 25 years.)

#### ERRATUM

In Information Circular IC 246, published in April, 1970, the journal reference was inadvertently omitted for one of the papers quoted. On page 7, under the heading D(a), the reference for paper No. 5, by Shannon, Tree and Gard should be:

Canad. Journ. Phys., 48 [ 2 ], 229-235 (1970).

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