

Mines Branch Information Circular IC 116

PHYSICAL METALLURGY AND USES OF GOLD
Bibliography for the Ten-Year Period 1950 - 1959

By

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SYNOPSIS

In April 1959, a programme aimed at increasing the industrial uses of gold was initiated at the Physical Metallurgy Division. This programme was jointly sponsored by the Department of Mines and Technical Surveys and the Canadian Metal Mining Association, and its object was to generate and collect metallurgical information on gold which could lead to new uses of the metal. As part of the project, a literature survey was carried out and this publication collects the references compiled in a survey of the ten-year period 1950 to 1959. While this decade is indicated by a general review to be the most productive of useful published data, thereby justifying primary attention, it is hoped that the work may be continued and extended to cover earlier periods as well as to maintain a continuous record into the future.

The survey has been restricted exclusively to the physical metallurgy and uses of gold, and does not include medicinal, nuclear physics, analysis and extractive metallurgy references except where these fields and that of the survey overlap. [REDACTED]

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Direction des mines
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MÉTALLURGIE PHYSIQUE ET USAGES DE L'OR
Bibliographie pour la Décade 1950 - 1959

par

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RÉSUMÉ

En avril 1959, la Division de la métallurgie physique mettait en oeuvre un programme destiné à trouver de nouvelles applications industrielles à l'or. Commandité conjointement par le ministère des Mines et des Relevés techniques et la Canadian Metal Mining Association, ce programme vise à explorer les possibilités de la métallurgie de l'or et à rassembler des renseignements qui pourraient mener à de nouvelles applications de ce métal. En vertu de ce programme, on a fait un relevé des ouvrages de référence et le présent rapport fait la recension des références accumulées au cours des années 1950 à 1959. Un examen général indique bien que cette décennie a connu le flux de publications techniques le plus productif et mérite donc une attention toute particulière. Toutefois, on espère que cette initiative sera poursuivie et que ce répertoire sera non seulement tenu à jour à l'avenir, mais qu'il remontera également dans le passé.

Ce relevé se limite exclusivement aux utilisations et à la métallurgie physique de l'or; il laisse de côté les publications sur la physique nucléaire, [redacted] la médecine, l'analyse et la métallurgie extractive, sauf quand ces domaines chevauchent ceux qui font l'objet propre de l'enquête.

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INTRODUCTION

The references used in compiling this bibliography have been drawn primarily from the abstracts published in Metallurgical Abstracts, Institute of Metals; Nuclear Science Abstracts; Journal of the Iron and Steel Institute Abstracts; Engineering Index Service; Bulletin of the British Non-Ferrous Metals Research Association; and the Russian Abstracts Journal (Pergamon Press, New York, translation).

All references have been arranged alphabetically by senior author and the references for each year are grouped separately. Where papers were first issued as a research agency report and subsequently published in a scientific periodical, the latter reference has usually been listed as being the more readily available.

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