

REFERENCES

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Manuscript received April 15, 1963

BOOK REVIEW

ZUR GEOCHEMIE UND LAGERSTÄTTENKUNDE DES URANS
(The Geochemistry and Economic Geology of Uranium) BY J. DYBECK, *Clausthaler Hefte zur Lagerstättenkunde und Geochemie der Mineralogischen Rohstoffe, Heft 1, 1962*. Gebr. Borntraeger, Berlin, 163 pages. Price: DM 45 (by subscription), DM 50 (purchased individually). In German.

This is the first of the "Clausthaler Hefte", a series which, according to the editor's introduction, is dedicated to problems bearing on the origin of mineral deposits. The publishers plan to devote subsequent issues to other minerals of economic interest, the next one to deal with the origin of marine-sedimentary iron ores.

The emphasis in this volume is primarily on the geochemistry of uranium rather than on its economic geology, at least in the sense in which the term economic geology is used on this continent. Specific deposits are mentioned as examples to illustrate the geochemical discourse, and there are consequently no really detailed accounts of the geology of any one deposit. This volume is evidently not intended for the reader who wishes to obtain specific details about the geology or mineralogy of a particular deposit, but rather for one who wishes a relatively up-to-date review of geochemical facts and theories on uranium mineralization. The writer has drawn on an extensive bibliography dated as late as 1960. The subject-matter is well organized and the discourse is quite easy to follow (to the reader familiar with German, that is).

The number of pages devoted to the major subdivisions in the book are as follows:

Physical and Chemical Properties of Uranium	28
Mineralogy of Uranium	8
Uranium in Cosmic Differentiation	6

Uranium of Magmatic Affiliations	27
Uranium of Sedimentary Affiliations	57
Uranium of Metamorphic Affiliations	3
Summary, Indexes, Bibliography, etc.	34
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	163

From this tabulation it is clear that a major proportion of the work is devoted to the behaviour of uranium in a sedimentary environment—its response to weathering, its deposition in a wide variety of sediments, and its presence in the hydrosphere.

In general, the volume may be regarded as a very acceptable review on the geochemistry of uranium. That it has been written in German will be considered a drawback by some North American readers, although the editors have added English translations of the Introduction and Summary. A further obstacle to widespread circulation here is its price—the equivalent of \$12 to \$13 at the current rate of exchange. Even taking into account the high cost of publication, this seems rather expensive for a paper-bound publication of only 163 pages.

E. H. NICKEL

WALKER MINERALOGICAL CLUB
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The Walker Mineralogical Club announces a joint award of its Peacock Memorial Prize (1962) of two hundred dollars "for the best scientific paper on pure or applied mineralogy, including crystallography, mineralogy, petrology, ore genesis and geochemistry" to

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McMaster University

I. D. MACGREGOR
"Geology, Petrology and Geochemistry of
the Mount Albert and associated Ultramafic
Bodies of Central Gaspé, Quebec"
M.Sc. Thesis 1962
Queen's University