Field Studies of Borehole Gamma-Ray Spectrometer Methods for Mineral Exploration: A Selected Bibliography

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This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.
Introduction

Those initiating a program to construct a borehole gamma-ray spectrometer for mineral exploration, benefit from knowing the previous work and, in particular, the work done relative to a particular element of interest. As an aid, a selected bibliography has been compiled. In general, the bibliography is limited to those papers dealing with spectral methods as applied to field studies. However, some papers describing laboratory borehole models and measurements are pertinent and have been included.

The papers are listed in chronologically in Table II. Table I is an index according to element. The appropriate reference numbers are shown for a given year. For example, Table I shows that a paper published on boron in 1975 has an identification number 11. The reference to the paper is in Table II under 1975, number 11.

Thorium, uranium, and potassium are generally measured together by passive gamma-ray spectrometry and, therefore, papers on these elements are indexed under a single entry. At the end of Table I, several sections have been added to include papers on instruments, coal, marine applications, and general papers that are not concerned with a specific element.

This bibliography is not exhaustive but is sufficiently complete to yield a working background for those interested in this new geophysical exploration method.
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TABLE II

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1941

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1965


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1966


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1973 - continued


1974


1974 - continued


1975


1976 - continued


1977


-35-


1978


1978 - continued


1979


