

Abstract Submitted
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The Measurement of the Radioactivity in an Outcrop of Ohio Shale IGNACIO BIRRIEL, LACEE PYLES, Morehead State University — Ohio Shale is a fragmented rock that is part of the black organic shale family that is found all over Kentucky. An outcrop of Ohio Shale, found in the northern part of Cave Run Lake, was used for this study. The outcrop can be split into two parts, the first consisting of only Ohio Shale while the second part consisting of the bottom most layer being the Ohio Shale covered by a non-radioactive Three-Lick bed. Along the bottom of the outcrop measurements were made of only Ohio Shale while along the surface of the outcrop measurements consisted of both the uncovered Ohio Shale and the Ohio Shale covered by a layer of Three-Lick bed were made. A GAMMA-SCOUT radioactive detector was used to measure the radioactivity. It is standard radiation detector with a halogen filled Geiger-Müller counter tube. This talk will discuss the radioactivity measured of this outcrop.

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