1125-VU-2227 **David Sumner Lipham*** (ds10003@auburn.edu), David Lipham, Department of Mathematics and Statistics, Auburn University, Auburn, AL 36849. *Widely-connected sets in the bucket-handle continuum*.

A connected space X is said to be widely-connected if every non-degenerate connected subset of X is dense in X. The object of this talk is the construction of widely-connected subsets of the Knaster bucket-handle continuum. We answer a question of Paul Erdős and Howard Cook by constructing a completely metrizable example. Then, we discuss some open problems which are motivated by the question: "How closely related are widely-connected sets and indecomposable continua?" (Received September 21, 2016)