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**Robert L. Devaney\***, Boston University, Boston, MA. *Cantor and Sierpinski, Julia and Fatou: Crazy topology in complex dynamics.*

In this talk we shall describe some of the rich topological structures that arise as Julia sets of certain complex functions including the exponential and rational maps. These objects include Cantor bouquets, indecomposable continua, and Sierpinski curves. (Received April 27, 2014)