Jennifer D Herdan* (jherdan07@winona.edu), 604 Hill St W, St. Joseph, MN 56374, and Melinda Lanius. Encoding and Counting Strings.

Consider any possible combination of letters and spaces 950 characters long. Did you know you can find this word as a nonconsecutive subsequence of the string of letters that form the novel War and Peace? In this talk, I will discuss the construction of such strings. I will also describe how to find words in larger strings. Specifically, I will discuss an encoding method developed to count these strings. (Received September 22, 2011)