

1077-60-2749      **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)