

1046-D1-1363 **Neil P Sigmon*** (npsigmon@radford.edu), Radford University, Department of Mathematics, Radford, VA 24142, and **Jonathan D Dixon** (jdixon16@radford.edu), Radford University, Department of Mathematics, Radford, VA 24142. *An Interactive Demonstration of the Navajo Code of World War II*. Preliminary report.

The Marine Navajo Code talkers played a vital role in providing secret communications for the United States and were instrumental in the American victory in the Pacific theater in World War II. In this presentation, a description of the events leading up to the development and implementation of the code will be given. The code, its use on the battlefield, and how the code baffled the Japanese will be briefly described. To demonstrate how the code can be used to encipher and decipher messages, an interactive computerized version of the Navajo Code involving Maplets will be given. (Received September 15, 2008)