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Andrew J Simoson* (ajsimoso@king.edu), King University, 1350 King College Road, Bristol, TN 37620, and **Thomas H Barr** (tom@entreventures.net), Indian Springs School, 190 Woodward Drive, Indian Springs, AL 35124. *Twisting the Keyword Length from a Vigenère Cipher.*

We give an alternate method to the standard Friedman and Kasiski techniques for determining the length of a keyword in Vigenère-type ciphers using a comparison twist on the sorted frequency vectors of the letter usage in a message. In the numerous times we have experimented with this twist algorithm, it has performed at least as well as the two standard approaches, and oftentimes significantly better. (Received August 20, 2014)