

1135-F1-3119 **Karl M Kattchee*** (kkattchee@uwlax.edu). *Art of de Bruijn Sequences*.

A binary *de Bruijn sequence* is a circular bit string of length 2^n with the property that every bit string of length n occurs once as a contiguous substring. The existence of de Bruijn sequences is somewhat surprising, and the concept provides fertile ground for visual arts. We give a sketch of the existence proof and examples of artwork inspired by the idea of de Bruijn sequences. (Received September 26, 2017)