

1125-00-3059 **Norman Carey*** (ncarey@gc.cuny.edu). *Christoffel Words, Rich Words, and Perfect Balance.*

THIS IS A PLACEHOLDER. DR. CAREY WILL SHORTLY BE ABLE TO SUBMIT HIS ABSTRACT TO US.

All Christoffel Words (which are the patterns found in well-formed scales) are palindromically rich words. Some, but not all, perfectly balanced scales are also rich. This paper will look at the distinction between rich and not-rich perfectly balanced constructions. The notion of palindromic defect describes by how much a word fails to be rich. I hypothesize that perfectly balanced words are either rich or exhibit a demonstrably low defect. (Received September 20, 2016)