1096-Q1-1087 **Robert D Dolan*** (dolan030@connect.wcsu.edu), 170 Sprucedale Drive, Waterbury, CT 06706.
M-Band Wavelet-Based Audio Watermarking Algorithm.

As digital music has become increasingly popular, there is a great need to further develop a method that could be used to enhance copyright protection in the music industry. This paper addresses this problem by providing a way to protect against unauthorized copying of digital music by inserting a watermark in the audio file through the use of discrete wavelet transforms and other statistical means. The proposed watermark algorithm will achieve two goals: (1) The embedded watermark will not affect the quality of the audio in any way; (2) The watermark should be able to prevent common attacks that could remove or destroy the watermark, such as re-sampling, compression, amplitude scaling, and time scaling. (Received September 12, 2013)