1116-00-1070   **Jon Fassett*** (`fassett@cwu.edu`), Department of mathematics, Central Washington University, 400 E. University Way, Ellensburg, WA 98926-7424. *A Forerunner of Fractals in Financial Markets.*

Benoit Mandelbrot introduced multifractal "cartoons" as tool to explain his fractal Brownian motion in multifractal trading time model. These cartoons represent artificial stock price patterns and are generated using an iterative process that is now familiar to a wide audience. In this talk we introduce the work of Ralph Nelson Elliott (1871-1948), a self-described business efficiency expert, who beginning in the 1930's, and while in his 60's, developed a model of financial markets containing many similarities to Mandelbrot's fractal cartoons. (Received September 16, 2015)