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David M. Chan and **Candace M. Kent*** (cmkent@vcu.edu), Dept. of Mathematics & Applied Mathematics, Virginia Commonwealth University, Harris Hall, 4th Floor, 1015 Floyd Avenue, Richmond, VA 23284-2014, and **Vlajko L. Kocic** and **Stevo Stevic**. *A Proposal for an Application of a Max-Type Difference Equation to Epilepsy.*

We propose, *for the sake of dialogue*, that the nonautonomous reciprocal max-type difference equation,

$$x_{n+1} = \max \left\{ \frac{A_n^{(0)}}{x_n}, \frac{A_n^{(1)}}{x_{n-1}}, \dots, \frac{A_n^{(k)}}{x_{n-k}} \right\},$$

where the parameters are positive periodic sequences and the initial conditions are positive, when $k = 1$ may serve as a *phenomenological model* of seizure activity as occurs in *mesial (or middle) temporal lobe epilepsy*. (Received September 04, 2017)