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Witold Kosmala* (wak@math.appstate.edu), Dr. Witold Kosmala, Dept. of Mathematics, Appalachian State Univ., Boone, NC 28608, **Mustafa Kulenovic**, Dr. M. Kulenovic, Dept. of Mathematics, Univ. of Rhode Island, Kingston, RI 02881, **Gerry Ladas**, Dr. Gerry Ladas, Univ. of Rhode Island, Dept. of Mathematics, Kingston, RI 02881, and **Chris Teixeira**, Dr. C. Teixeira, Univ. of Rhode Island, Dept. of Mathematics, Kingston, RI 02881. *Dynamics of a nonlinear, second order, rational difference equation.*

We investigate the periodic character and the global stability of solutions of the nonlinear, second order, rational difference equation with positive parameters and positive initial conditions. (Received September 15, 2000)