962-39-710   **Richard DeVault*** (`rich@nsula.edu`), Department of Mathematics, Northwestern State University, Natchitoches, LA 71497, **Elias Camouzis** (`eli@x-treme.gr`), American College of Greece, 6 Gravias Street, Aghia Paraskevi Athens, Greece, and **Gerry Ladas** (`gladas@math.uri.edu`), Department of Mathematics, University of Rhode Island, Kingston, RI 02881. *On the Recursive Sequence $x_{n+1} = p + \frac{x_{n-1}}{x_n}$.* Preliminary report.

We investigate the existence, the asymptotic behavior, and the periodic nature of solutions of the equation $x_{n+1} = p + \frac{x_{n-1}}{x_n}$ where the parameter p and the initial conditions are nonzero real numbers. (Received September 22, 2000)