1035-37-1574   **Donna Molinek*** (`domolinek@davidson.edu`), PO Box 6999, Davidson, NC 28036, and **Jane Hawkins**. *One Dimensional Stochastic Cellular Automata.*

We define and discuss the dynamics of cellular automata that have the property that a random choice is made between a finite number of local rules at each site in the lattice and at each time step. We call these stochastic cellular automata and give examples and results in one dimension. (Received September 20, 2007)