

1035-92-615

**Joseph P Previte\*** (jpp4@psu.edu), School of Science, Penn State Erie, Erie, PA 16563, and  
**James Greene** (jmg482@psu.edu), c/o School of Science, Penn State Erie, Erie, PA 16563. *An  
Omnivore Brings Chaos.*

In this talk we show how the introduction of an omnivore species onto a simple predator prey food chain brings chaos to the system. The model yields a nice cascade of cascades along with other interesting dynamical properties. (Received September 12, 2007)