

Meeting: 1006, Lubbock, Texas, SS 10A, Special Session on Extinction, Periodicity, and Chaos in Population and Epidemic Models

1006-92-178 **Sophia R.-J. Jang*** (jang@louisiana.edu), Department of Mathematics, University of Louisiana at Lafayette, Lafayette, LA 70504. *Allee effects in a host-parasitoid model*. Preliminary report.

The well-known Beverton-Holt equation with Allee effects will be briefly discussed. Asymptotic dynamics of a host-parasitoid model will be presented. Allee effects to the host population in host-parasitoid interaction will be investigated. (Received February 14, 2005)