1014-92-1118   **Sophia R.-J. Jang*** (`jang@louisiana.edu`), Department of Mathematics, University of Louisiana at Lafayette, Lafayette, LA 70504-1010. *Allee effects in a discrete-time host-parasitoid model with age structure in the host.* Preliminary report.

We study a single-species population model with two stages, adults and juveniles, and model with Allee effects. We then propose a host-parasitoid system and explore the addition of Allee effects to the model. (Received September 27, 2005)