

**Gasparotto, Kaylyn, “Diurnal Roosting Behavior of the White Tent-Making Bat *Ectophylla alba* (Chiroptera: Phyllostomidae) in Costa Rica.” Advisor: Bernal Rodríguez. Lake Forest College. 2010. 9pp.**

This study aims to describe behavior of the White tent-making bat during its diurnal roosting period. White tent-making bats roost in self-modified *Heliconia* leaves called “tents” during the day. A group of six bats was filmed between 06:00 hrs and 17:30 hrs. Individuals spent 95.6% of their time still and only 4.4% active. Witnessed behaviors included sitting still, shifting, relocating, scratching, and stretching the wings. Activity levels fluctuated several times throughout the day. Higher temperatures are associated with higher activity levels. This and the fluctuations may be related to the bats undergoing torpor to conserve heat. Wind disturbed the roost by moving it and activity levels increased with increasing wind disturbance. This may be a reaction to the threat of predators or it may be impossible to sleep in a rapidly swaying leaf, a challenge unique to foliage-roosting bats.