Jason Ake, Dept of Biological Sciences, West Liberty University, West Liberty, WV, 25550, Loyd Butcher, Dept of Biological Sciences, West Liberty University, West Liberty, WV, 25550, and Jeremiah Dann, Dept of Biological Sciences, West Liberty University, West Liberty, WV, 25550. Spatial dynamics of an invasive earthworm (*Amynthas* sp.) in West Liberty University's campus woods community.

Asian pheretimoid earthworms (*Amynthas* sp.) have been reported in the hardwood forests of the eastern United States with increasing frequency. These invasions can have highly negative ecosystem-wide impacts. *Amynthas* sp. are prolific breeders capable of reaching high densities in forest soils. They consume large quantities of leaf litter, disturbing natural soil horizons, draining available nutrients and damaging plant communities. In the summer and fall of 2021, population surveys were conducted in an area of West Liberty University's campus woods community known to be infested with pheretimoid worms. Spatial dynamics were examined using SADIE analysis. It was found that *Amynthas* sp. showed a trend towards aggregation in both the summer and fall, with a more evident trend towards aggregation in the fall. An analysis of spatial associated. This indicates stability of aggregations over short timescales in both summer and fall. Understanding the population dynamics of *Amynthas* sp. and their interactions with native communities will aid in the development of management strategies to prevent the spread of this invasive and reduce the disturbance of native forest ecosystems.