

# MANNHHEIM MURMURATIONS



*Lycaeides melissa samuelis*

*Tri Helios*  
The Weeder

*Penta Helios*  
The Germanator

We celebrate the startling advances in nano and robotic technology to suggest an alternate scale of green energy production that is not tied to the archaic infrastructure of the 19th and 20th centuries. We mine nano modular assemblies to create forms that are static and manufacturable (tile patterns) and dynamic and wondrous (murmurations). Mannheim Murmurations proposes flying nano-robots as temporary guardians and docents for fragile biological communities. The robotic murmurations will do the work of the decimated insect pollinators, nurturing insects and indigenous plant communities until the natural ecosystems can be replenished and restored.