

1116-K5-2276 **Ethan Berkove*** (berkovee@lafayette.edu). *Half a Menger Sponge is Better than the Whole.*
Jeannine Mosley completed the first modular origami level three Menger sponge out of over 65,000 business cards around 2005. A small number of other level three sponges have been built since then, including 17 that were part of the October 2014 Mega-Menger project. This talk will discuss the background and construction of the recently completed half sponge sculpture based on the hexagonal cross section of a cube. Evident in the sculpture are a number of features that aren't visible in the whole Menger sponge, including six-pointed stars of various sizes that come from the fractal nature of the object. This crowd-sourced project was part of a focus semester on origami at Lafayette College in Fall 2013, which included a curated origami art exhibit as well as public lectures. (Received September 22, 2015)