1067-54-1521 Jennifer McLoud-Mann* (jmcloud@uttyler.edu), 3900 University Blvd., Tyler, TX 75799, Casey Mann (cmann@uttyler.edu), 3900 University Blvd, Tyler, TX 75799, and David Milan (dmilan@uttyler.edu), 3900 University Blvd., Tyler, TX 75799. Stick Numbers in the Simple Hexagonal Lattice.

We will discuss the minimum stick number in the simple hexagonal lattice. In particular, we answer the question, "what is the smallest number of sticks needed to construct a nontrivial knot whose corners lie in the simple hexagonal lattice?" (Received September 21, 2010)