Quinlan Bock

**Award**: Elijah Balloon Launch; $3000.00

**Advisor:** Dr. William Farrow

**Research Topic:** The Elijah Project -- 2017 High Altitude Balloon Project

**Abstract:** The 2017 Wisconsin Space Grant Consortium Elijah High-Altitude Balloon Launch Team was comprised of one student from Lawrence University, two students from the Milwaukee School of Engineering, and one student from the University of Wisconsin – Fox Valley. This year, three members of the team had experience with high altitude balloon launches due to previous participation on either the Elijah Payload or Launch Team, or both. A training session was hosted by Dr. Farrow to familiarize or refresh the team with the physical setup of a launch train as well as how to run track predictions and how to read the jet stream charts. Launches were planned and carried out for the Elijah High-Altitude Balloon Payload Team. This launch was successful, reaching a peak altitude of over 115,000 ft (35 km) above mean sea level.

**Biography:** Quinlan Bock will be a sophomore in the fall of 2017 at Lawrence University. Quin is a math and computer science major with a physics minor and is considering a 3-2 program in engineering. Quin's main focus of study during his first year was math, coding, and programming Arduino. Lawrence University also fosters Quin’s other passion, oboe. Quin is from Viroqua, Wisconsin where he graduated from high school at the top of his class. When Quin is home on breaks you can find him on his mountain bike riding the single track of Wisconsin’s driftless region.

**Congressional District:** 8

**Congressional Representative:** Mike Gallagher