1135-D5-2795   **Judith Lynn Gieger*** (`lgieger@oglethorpe.edu`), 4484 Peachtree Rd. NE, Atlanta, GA 30319.
What if there was no 2?

This presentation focuses on a classroom activity in which students are asked to explore properties of prime numbers in a natural number system which does not include the number "2". The setting is a liberal arts mathematics course, heavily (but not exclusively) populated by students who are either anxious or ambivalent about mathematics. Even those who have had prior success in their mathematical coursework are often uncertain about what it means to become a producer and not just a consumer of mathematics. Therefore, an activity that focuses on a relatively familiar and deceptively straightforward numerical concept provides a productive springboard for re-examining and questioning a core mathematical definition with a group of students of diverse mathematical abilities and inclinations. The presentation includes both a detailed description of the activity itself as well as student artifacts in the form of their proposal and justified results. (Received September 26, 2017)