1125-I1-3056 Cheri L Boyd\* (cboyd4@naz.edu), 4245 East Avenue, Rochester, NY 14618. Bragdon and Trautmann's Math at the MAG. Preliminary report.

The Memorial Art Gallery in Rochester, NY created an exhibit to highlight the friendship and collaboration between architect Claude Bragdon and artist Fritz Trautmann. Concurrent with the exhibit, our math education majors offered a workshop for art teachers exploring Bragdon's use of magic squares and higher dimensional geometry in The Frozen Fountain: Being Essays on the Art of Design in Space (1932). This talk will introduce Bragdon's development of projective ornament which appears in several of his notable Rochester buildings from the early 20th century. We'll segue to Bragdon's influence on Trautmann whose Galaxy (1942) illustrates a scientific, uniform use of color. The fourth dimension reminds us to assign Flatland reading and viewing. Inviting students to see beyond their usual dimension engages everyone, and naturally allows art students in our history of math course to think and write mathematically about their study of art. (Received September 20, 2016)