

1106-H1-1703 **David Peifer*** (dpeifer@unca.edu). *Mathematics in the works of Dorothea Rockburne.*

Dorothea Rockburne is one of America's most important contemporary artists. A few months ago, she helped to install her work, *Folding Sky, Homage to Colin Powell*, at the United States Embassy in Kingston, Jamaica. This forty foot high mural depicts the night sky the day that Colin Powell was born. Her recent exhibition, *Drawing Which Makes Itself*, at the MoMA in NY City marked her influence on modern art for over half a century. Throughout Ms. Rockburne's career, her work has been influenced by her love for mathematics. By an extraordinary set of events, as an undergraduate student at Black Mountain College, Ms. Rockburne studied with the world class topologist Max Dehn in the last years of his life. This talk will investigate how mathematics has played a role in Dorothea Rockburne's life and art. (Received September 15, 2014)