1106-20-2791 **Nathan Corwin*** (nacorwin@math.rutgers.edu) and **Kathryn Haymaker** (kathryn.haymaker@villanova.edu). *Graph Products of Groups in Thompson's group V.* Preliminary report.

Richard Thompson's group V is one of the first known examples of a finitely presented infinite simple group. Despite being discovered by Thompson in 1965, much of its structure is still unknown. In 2009 Bleak and Salazar-Diaz proved that $\mathbb{Z} * \mathbb{Z}^2$ does not embed into V. This was a surprising result, partially because it was widely assumed that all graph products of groups embedded into V.

We classify all graphs with a particular forbidden subgraph related to $\mathbb{Z} * \mathbb{Z}^2$. As a consequence, we establish exactly which graph products embed into V. (Received September 16, 2014)