1064-13-71 **Drew Lewis*** (andrew@math.wustl.edu), Washington University in St. Louis, Department of Mathematics, One Brookings Drive, Campus Box 1146, St. Louis, MO 63119. *A note on the Venereau polynomials.* Preliminary report.

The Vénéreau polynomials $f_n = y+x^n(xz+y(yu+z^2))$ are a well known sequence of polynomials which define hyperplanes in $\mathbb{C}^4$. It is well known that for $n \geq 3$, f_n is an x-coordinate. We give an elementary calculation demonstrating that f_2 is an x-coordinate as well (in fact, the resulting automorphism is stably tame and an exponential). We will then discuss some related polynomials and some partial results about determining their status with respect to the Embedding Conjecture. (Received August 26, 2010)