962-05-734 **Sharon L Sullivan*** (fox@ms.uky.edu), University of Kentucky, 715 Patterson Office Tower, Department of Mathematics, Lexington, KY 40506. *(16,6) Configurations of Points and Planes in* $\mathbf{P}^3$.

In the paper "$(16, 6)$ Configurations and Geometry of Kummer Surfaces in $\mathbf{P}^3$, M. Gonzalez-Dorrego considered (16,6) nondegenerate configurations in $\mathbf{P}^3$ over algebraically closed fields of characteristic not 2. She constructed the configuration of points and planes as the orbit of a certain group of order 16. These (16,6) configurations are of interest because of their connection to Kummer surfaces in $\mathbf{P}^3$. An interesting question is whether it is possible to construct a (16,6) nondegenerate configuration of points and planes in $\mathbf{P}^3$ over fields of characteristic 2. By using a similar method of construction, we consider this question for a particular matrix group over $\mathbf{F}_2$. (Received September 24, 2000)