1099-13-114 **Janet C. Vassilev*** (jvassil@math.unm.edu), Department of Mathematics and Statistics, Albuquerque, NM 87131. *Test Ideals, Frobenius Algebras and Hypergraphs.* Preliminary report.

For every hypergraph $\mathcal{G}$, there is an associated monomial ideal I contained in the polynomial ring R on the vertices of $\mathcal{G}$. We will discuss what properties of the hypergraph are detected by the test ideal and the Frobenius Algebra. (Received February 03, 2014)