## 1037-05-71Joseph P Kung\* (kung@unt.edu), Department of Mathematics, University of North Texas, P.O.<br/>Box 311430, Denton, TX 76203-1430. Of Cabbages and Kings. Preliminary report.

A mock or almost variety C is a minor-closed class of finite matroids such that for each rank n, there is a unique "largest" rank-n matroid containing all rank-n matroids in C as submatroids. Jack Edmonds proposed calling the largest matroid the "king", but being a good (lower case) republican, I would rather call them cabbages. We will discuss results and conjectures about mock varieties; in particular, we will show how they are finite perturbations of varieties. We will also discuss other questions about minor-closed classes, such as the current state of the growth rate conjecture, and the conjecture that the size function of a minor-closed class with linear growth must be ultimately periodic. (Received January 22, 2008)