1150-55-243 **Katharine L.M. Adamyk*** (katharine.adamyk@colorado.edu). *Localizing Ext and Lifting $\mathcal{A}(1)$-Modules.* Preliminary report.

For any bounded below module, M, over the Steenrod algebra, $\mathcal{A}$, the E_2 page of the Adams Spectral Sequence localized at h_0 is determined by the Margolis homology of M. However, M need not be an $\mathcal{A}$-module for this E_2 term to make sense, merely an $\mathcal{A}(1)$-module. In this talk, we will discuss a spectral sequence that can be used to compute the relevant localized Ext term where the first page is determined by the Margolis homology of M, a bounded below $\mathcal{A}(1)$-module.

In the process of investigating this spectral sequence, we will also discuss some conditions for giving an $\mathcal{A}(1)$-module an $\mathcal{A}$-module structure and the classification of $\mathcal{A}(1)$-modules with trivial Margolis homology. (Received July 10, 2019)