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Janet A White* (jwhite@millersville.edu), Mathematics Department, Millersville University of PA, PO Box 1002, Millersville, PA 17551. *Utilizing Personal Response Systems (Clickers) in Liberal Arts Mathematics Courses to Support a Lecture Format*. Preliminary report.

This session continues the examination of a research project involving Personal Response Systems (PRS) in undergraduate mathematics classes. Thus far the study has examined the use of PRS in small classes (about thirty) for elementary education majors to elicit greater class participation and discussion. This stage of the project seeks to see if the same format (question, discussion, and repeat question) can be successful in a very different setting. It involved collecting data from two sections of students in a mathematics survey course, which is a liberal arts mathematics course for non-science/mathematics majors. The classes each had about seventy-five students and were taught in an auditorium "lecture style" classroom. This presentation will provide participants with a through a description of the usage of the PRS on a regular basis, as well as the perceived impact on student participation and learning based on the professor's observations, on students' frequency of participation, and demonstrated growth on content knowledge (when applicable). Additional time will be spent during the presentation to discuss generalized issues, concerns, and challenges, as well as data from the students regarding their perception of the value of the PRS in the class. (Received September 21, 2009)