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**William E. Gryc\*** ([wgryc@muhlenberg.edu](mailto:wgryc@muhlenberg.edu)), Department of Math and C.S., 2400 Chew St, Allentown, PA 18104. *Journaling to Assess Progress in Undergraduate Research.*

Assessing day-to-day learning while mentoring undergraduate research can be difficult, especially when the research occurs during the academic year. For example, a student may come to a weekly meeting with her mentor saying that she has made little progress since the last meeting, and it can be difficult for the mentor to determine what that means. Is the student working hard but stuck on a difficult problem, or has she just not put in enough time this week? What techniques or approaches has the student tried, and how far has she pushed those techniques? Generally, is this a research problem that the student should be able to handle on her own or does the mentor need to guide the student to an easier problem? One approach to this issue is to have the student keep a journal of her research progress. In this talk we will discuss the implementation of student journaling in an undergraduate research collaboration, how journaling can be used to assess student progress, and an anecdotal report on its effectiveness in the author's student research collaborations. (Received August 30, 2015)