1125-VN-2465 **Jonathan Webster*** (`jewebste@butler.edu`) and **Andrew Shallue**. *New ideas for tabulating Baillie-PSW pseudoprimes.* Preliminary report.

This talk will discuss how the ideas behind the algorithm to find strong pseudoprimes to many bases may be applied to the tabulation of Baillie-PSW pseudoprimes. Such a composite number N is simultaneously a base-2 Fermat psuedoprime, a Lucas pseudoprime with respect to a certain quadratic polynomial with discriminant D, and satisfies $(D|N) = -1$. There is a 620 USD reward for such a number. (Received September 20, 2016)