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Tom Davis* (tomrdavis@earthlink.net), 24603 Olive Tree Lane, Los Altos Hills, CA. *Teachers' Circles*. Preliminary report.

A teacher's circle brings together active mathematicians and middle school teachers. Its goal is have the teachers discover and pass along to students the excitement and richness of mathematics via accessible topics and problem-solving techniques. The talk will describe the first teacher's circle, launched with support provided by the American Institute of Mathematics (AIM) and the Mathematical Sciences Research Institute (MSRI) which has been running for 1.5 years. We will also discuss a project aimed at initiating and supporting teacher's circles around the country. This second endeavor was pioneered by a workshop hosted by AIM and funded by NSF. We will describe this second workshop and the new circles that came in to being as a result. More information can be found online: <http://theteacherscircle.org/> (Received September 21, 2007)