

1106-97-2008      **Bob Klein\*** ([kleinr@ohio.edu](mailto:kleinr@ohio.edu)), Department of Mathematics, 321 Morton Hall, Athens, OH 45701. *Baa Hozho': The Navajo Nation Math Circle Project.*

The Navajo Nation Math Circle Project was started in 2012 by Tatiana Shubin (SJSU) and Henry Fowler (Dine' College) and had as a goal to bring more students and teachers into greater participation in problem solving. The program consists of a two-week summer immersion program for students and teacher professional development. It is the only math circle (we know of) that integrates native culture as a significant portion of the Math Circle. This past summer, 30 students and 25 teachers engaged with mathematics professionals from around the country in great problems.

Klein will report on past activity including some sample problems and descriptions of the cultural activities. Pictures of the activities and the setting for the work will complement the presentation. Klein will also detail future activity and opportunities for the involvement of the mathematics community more broadly. Future work includes the generation of scripts for K-12 teachers to be able to engage students in good problems, and the establishment of a Higher Education-to-K12 mentoring program that would help facilitate Navajo K-12 students connecting with native students enrolled in post-secondary programs. (Received September 15, 2014)