1043-20-61 **Kenneth W. Johnson** and **Jonathan D.H. Smith***, Department of Mathematics, 396 Carver Hall, Iowa State University, Ames, IA 50011-2064. *On the smallest simple, unipotent Bol loop.* Preliminary report.

Finite simple, unipotent Bol loops have recently been identified and constructed using group theory. However, the purely group-theoretical constructions of the actual loops are indirect, somewhat arbitrary, and rely on computer calculations to a certain extent. In the spirit of revisionism, this talk will discuss a more explicit combinatorial specification of the smallest simple, unipotent Bol loop, making use of concepts from projective geometry and quasigroup theory. The loop has dual permutation representations on the projective line of order 5, with doubly stochastic action matrices. (Received August 14, 2008)