1048-20-193   **George J McNinch*** (`mcninchg@member.ams.org`), Department of Math, Tufts University, 503 Boston Ave, Medford, MA 02155. *Rational nilpotent orbits for a reductive group over a local field.* Preliminary report.

Let G be a semisimple group defined over a local field F, and suppose that the residual characteristic is very good for G. The talk will discuss the relationship between the G(F)-orbits on nilpotent elements in Lie(G)(F) with the nilpotent orbits of the special fibers of parahoric subgroup schemes attached to G. This relationship was first described by DeBacker when the residual characteristic p is sufficiently large; the talk will discuss how to relax the conditions on p. (Received February 07, 2009)