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George J McNinch* (mcninchg@member.ams.org), Department of Mathematics, Tufts University, 503 Boston Ave, Medford, MA 02474. *Nilpotent orbits of a reductive group over a local field*. Preliminary report.

Let K be a non-archimedean local field; thus K is complete for a non-trivial discrete valuation and has finite residue field. Let G be a reductive algebraic group defined over K . The talk will be concerned with the orbits of $G(K)$ on K -rational nilpotent elements of the Lie algebra $\text{Lie}(G)$; it will describe some complements to a parametrization scheme for these orbits which was given by DeBacker. (Received August 26, 2008)