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**Gary M. Seitz\*** ([seitz@uoregon.edu](mailto:seitz@uoregon.edu)). *Unipotent centralizers in algebraic groups.*

Let  $G$  be a simple algebraic group over an algebraically closed field of arbitrary characteristic and let  $u$  be a unipotent element of  $G$ . We will discuss the problem of determining whether or not  $u$  is contained in the connected component of its centralizer in  $G$ ? If the characteristic of the underlying field is "good," then this always holds. However, in "bad characteristic" the answer is subtle and quite interesting. (Received October 20, 2011)