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Eric Brussel* (ebrussel@calpoly.edu). *The Brauer group of the function field of a curve over a complete discrete valuation ring.*

Let F be the function field of a smooth curve over a local field. We prove the following for a number n that is coprime to the residue characteristic: a) The \mathbb{Z}/n -cyclic length in the n -torsion of $\text{Br}(F)$ is two; and b) If n is prime then all F -division algebras of degree n are cyclic. The second result was first proved by Saltman. We prove some results when the local field is replaced by a field that is henselian with respect to a discrete valuation of rank one. (Received September 19, 2012)