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Robert J.S. McDonald* (robert.j.mcdonald@uconn.edu), 48C Mount Vernon Drive, Vernon, CT 06066. *Torsion Subgroups of Elliptic Curves over Function Fields.*

Let \mathbb{F}_q be a finite field of characteristic p , and C/\mathbb{F}_q be a smooth, projective, absolutely irreducible curve. Let $K = \mathbb{F}_q(C)$ be the function field of C . When the genus of C is 0, and $p \neq 2, 3$, Cox and Parry provide a minimal list of prime-to- p torsion subgroups that can appear for an elliptic curve E/K . In this talk, we extend this result by determining the complete list of full torsion subgroups possible for an elliptic curve E/K for any prime p when the genus of C is 0 or 1. (Received September 25, 2018)