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The relative Brauer group of function fields of curves has recently generated much interest. We will discuss historical interest in this circle of ideas followed by recent developments. We will then discuss our recent work, a consequence of which is that over a global field K , given a square-free integer ℓ and a finitely generated ℓ -torsion subgroup G of the Brauer group of K , we construct a smooth projective curve with minimal gonality whose relative Brauer group contains G . We will also discuss the relationship with representations of weighted Clifford algebras. (Received August 12, 2013)