1067-13-395 **Jen-Chieh Hsiao**, **Karl Schwede** and **Wenliang Zhang*** (wlzhang@umich.edu), 2074 East Hall, 530 Church Street, Ann Arbor, MI 48109. *Cartier Modules on Toric Varieties.*

Let (X, Δ) be a pair of an affine toric variety $X = Spec(R)$ of characteristic $p > 0$ and an effective toric divisor on X such that $K_X + \Delta$ is $\mathbb{Q}$-Cartier. Let $\phi : R \to R$ be a p^{-e}-linear map corresponding to Δ. We give complete descriptions of ideals I such that $\phi(I) = I$ in terms of the combinatorics of the underlying cone and in terms of resolutions of singularities of X. (Received August 31, 2010)