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Amanda M Beeson* (Amanda.Beeson@williams.edu), Williams College, 288 Bronfman Science Center, Williamstown, MA 01267. *On the explicit construction of the maximal almost abelian extension of an imaginary quadratic base field.*

An *almost abelian group* is one in which every commutator is central and squares to the identity. In his paper entitled *Kronecker and Weber plus epsilon* Anderson constructs explicitly the maximal almost abelian extension of the rational numbers. I will discuss progress made on the analogous construction for an imaginary quadratic base field. I will also comment on some related problems that arise in the theory of modular functions. (Received September 07, 2009)