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Kathi Crow* (kcrow@aucegypt.edu), Math Department, American University in Cairo, 420 Fifth Avenue, 3rd Floor, New York, NY 10018. *Unit-regular Skew Group Rings*.

A skew group ring $R * G$ can be formed whenever we have a group G acting on a ring R . When considering this construction, it is only natural to ask what properties of R carry over to $R * G$. In this talk we will provide examples that are well-known, such as conditions for $R * G$ to be von Neumann regular and then we will consider the question of when a skew group ring is unit-regular. (Received September 22, 2009)