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Madhav P Sharma* (msharma2@fau.edu), Florida Atlantic University, Department of Mathematical Sciences, 777 Glades Road, Boca Raton, FL 33431, and **Lee Klingler** and **Thomas G Lucas**. *Maximally Prüfer rings*.

A commutative ring R is said to be a Prüfer ring if every finitely generated regular ideal is invertible, and is said to be a locally Prüfer ring if R_P is a Prüfer ring for every prime ideal P of R . We call the ring R maximally Prüfer if R_M is Prüfer for every maximal ideal M of R . We show that the class of maximally Prüfer rings lies properly between Prüfer rings and locally Prüfer rings. We give a characterization of such rings in terms of the total quotient ring and the core of the regular maximal ideals. We also find a relationship of such rings with strong Prüfer rings. (Received February 05, 2014)