1145-13-1482   **Tim C McEldowney*** (`tmcel001@ucr.edu`). *Jacobson and Hilbert Module Equivalence.* Preliminary report.

It has been known for half a century that for commutative rings being Hilbert is equivalent to being Jacobson. Recently, Hilbert modules were created by D. Rush and Jacobson modules were created by M. Maani Shirazi1 and H. Sharif. We will show that if M is a finitely generated module then M is a Hilbert module if and only if it is a Jacobson module. We will also show the relationship between Hilbert modules and Hilbert rings. (Received September 22, 2018)