

1106-VJ-1000 **Michelle Knox*** (michelle.knox@mwsu.edu), **Warren McGovern** and **Ricardo Carrera**.

Properties of the Ring $A(X)$. Preliminary report.

Let X be a Tychonoff space with a clopen π -base, and let $C(X)$ be the ring of continuous functions from X into \mathbb{R} . We will discuss some ring-theoretical properties of the ring $A(X) = \{f \in C(X) : f^{-1}(O) \text{ is an open set in } X \text{ for every open set } O \subseteq \mathbb{R}\}$ and compare them to properties of $C(X)$. (Received September 09, 2014)