1024-13-153 Warren Wm McGovern* (warrenb@bgnet.bgsu.edu), Department of Mathematics and Statistics, Bowling Green State University, Bowling Green, OH 43403, and Michelle L Knox, Mathematics Department, Wichita Falls, TX 76308. Weakly Complemented Commutative Rings. Preliminary report.

A denotes a commutative ring with identity and q(A) is its classical ring of quotients. Recall that A is called *complemented* if for every $a \in A$ there is a $b \in A$ such that ab = 0 and a + b is not a divisor of 0. This property characterizes when q(A) is a von Neumann regular ring.

We define weakly complemented rings and investigate what properties q(A) has when A is weakly complemented. In particular, we investigate C(X) the ring of real-valued continuous functions on a Tychonoff space X. The pointwise ordering on C(X) plays an integral part and we shall discuss function rings. (Received January 06, 2007)