1014-54-722 **Wolf Iberkleid*** (`wiberkleid@hotmail.com`), Department of Mathematics, UMSA, PO Box 9200, La Paz, Bolivia, and **Ramiro Lafuente-Rodriguez** and **Warren Wm. McGovern**. *The regular topology on $C(X)$, II.* Preliminary report.

For a Tychonoff space X, we define a topology on the ring of continuous real-valued functions $C(X)$ generated by the regular elements of $C(X)$. In this 'regular' topology, $C(\beta X)$ turns out to be a subspace of $C(X)$, where βX is the Stone-Čech compactification of X. We then use this relation to associate properties of X with those of βX. We also characterize spaces whose regular topologies are weak P-spaces.

This is part II of a two part talk. (Received September 26, 2005)