1092-03-221   **Sean D Cox***, Dept of Mathematics and Applied Mathematics, Virginia Commonwealth University, 1015 Floyd Ave, Richmond, VA 23284. *Presaturation and bounding by canonical functions on $NS \upharpoonright S_1^2$.*

If $\mathcal{I}$ is a normal ideal on an uncountable regular cardinal κ, we say that $\mathcal{I}$ is **presaturated** iff the boolean algebra $\wp(\kappa)/\mathcal{I}$ preserves κ^+ and yields wellfounded generic ultrapowers; this is weaker than **saturation**, which requires that $\wp(\kappa)/\mathcal{I}$ has the κ^+ chain condition. I will discuss some joint work with Martin Zeman, where we show that GCH is consistent with presaturation of $NS \upharpoonright S_1^2$, where $S_1^2 := \omega_2 \cap \mathrm{cof}(\omega_1)$. This model also satisfies that every $f : \omega_2 \to \omega_2$ is bounded on an ω_1-club by a canonical function. (Received August 10, 2013)