1084-46-110 **Richard Rochberg*** (rr@math.wustl.edu), 6936 Cornell Ave., University City, MO 63130. *The Maximal Ideal Space of the Multiplier Algebra of the Dirichlet Space.* Preliminary report.

Let H^2 and $\mathcal{D}$ be the classical Hardy space and Dirichlet space, $H^\infty = \mathcal{M}(H^2)$ and $\mathcal{M}(\mathcal{D})$ their respective multiplier algebras, and $\mathcal{MI}(H^\infty)$ and $\mathcal{MI}(\mathcal{M}(\mathcal{D}))$ the maximal ideal spaces of those algebras. H^∞ and $\mathcal{MI}(H^\infty)$ have been studied extensively, both because of their intrinsic interest and because of their intimate relationship to the operator theory of H^2.

Also, we now know that there are deep analogies which relate H^2 and $\mathcal{D}$. Perhaps $\mathcal{M}(\mathcal{D})$ and $\mathcal{MI}(\mathcal{M}(\mathcal{D}))$ have rich structure that is, in some ways, similar to that of H^∞ and $\mathcal{MI}(H^\infty)$.

In this talk I will discuss some preliminary observations and questions related to this speculation. (Received August 28, 2012)