**Meeting:** 999, Nashville, Tennessee, SS 7A, Special Session on Operator Theory on Function Spaces

999-30-20 **Daniel H. Luecking*** (luecking@uark.edu), Department of Mathematics, University of Arkansas, Fayetteville, AR 72701. *Interpolation without separation in Bergman spaces.* Preliminary report.

We formulate an interpolation scheme such that a sequence need not be uniformly discrete in order to be an interpolating sequence for the Bergman space $A^p$. We show that these *generalized interpolating sequences* $\mathcal{Z}$ are characterized by $D^+(\mathcal{Z}) < 1/p$ and also by certain bounds on the solutions of a $\bar{\partial}$-problem. That is, they have the same characterization as the usual interpolating sequences (à la Seip) or multiple interpolating sequences (à la Krosky and Schuster), but without the separation requirement. (Received June 25, 2004)