1067-05-2155 **Darin Johnson*** (dbjohnson@desu.edu), Mathematical Sciences, Delaware State University, 1200 N DuPont HWY, Dover, DE 19901. *Distances in Kneser Graphs.*

In this talk we discuss the distance distribution of the Kneser Graph $K(n, k)$. We present exact but complicated formulas for the Expected Distance and Variance. We then give an simpler asymptotic formula for the Expected Distance. In addition, we prove central and local limit theorems for a related sequence, which allows us to prove much stronger results about the distance distribution for a special case. (Received September 22, 2010)