1022-05-136 **Kevin P Costello*** (kcostell@math.rutgers.edu), Department of Mathematics – Hill Center, Rutgers, the State University of New Jersey, 110 Frelinghuysen Road, Piscataway, NJ 08854, and **Van H Vu** (vanvu@math.rutgers.edu), Department of Mathematics – Hill Center, Rutgers, the State University of New Jersey, 110 Frelinghuysen Road, Piscataway, NJ 08854. *The Rank of Random Graphs.*

We consider the adjacency matrix of an Erdös-Rényi random graph $G(n,p)$, and in particular the following two questions:

1. Is the matrix almost surely (non-)singular?
2. If the matrix is singular, how close is it likely to be to full rank?

We will discuss answers to the two questions for edge probabilities in the range $\frac{\ln n}{2n} < p < \frac{1}{2}$. (Received September 12, 2006)