

1035-01-1971 **Randall Crist***, Department of Mathematics, Omaha, NE 68178-2090. *Noncommutative space variables and a letter of von Neumann.*

John von Neumann, in a letter to P.A.M. Dirac, constructed an interesting first try at quantizing spacetime. The basic construction is explored here, and compared to the other early attempts to solve the same problem. Problems with the construction will also be discussed, together with some clues to unpublished extensions of these ideas by von Neumann. (Received September 21, 2007)