**Meeting:** 1001, Evanston, Illinois, SS 20A, Special Session on Representation Theory of Reductive Groups

1001-17-319        **Victor Protsak\***, Department of Mathematics, University of Oklahoma, Norman, OK 73019. *A construction of primitive ideals in enveloping algebras by explicit generators.*

Motivated by the theory of reductive dual pairs, we present a construction of primitive ideals of the universal enveloping algebra of a classical Lie algebra $g$. In particular, for $g = gl_n$ we obtain quantizations of nilpotent orbits corresponding to rectangular partitions of $n$. (Received August 30, 2004)