## 962-20-647 Anton Kaul\* (akaul@math.usf.edu), Department of Mathematics, University of South Florida, 4202 East Fowler Ave., Tampa, FL 33620. A Class of Rigid Coxeter Groups.

A Coxeter group W is said to be *rigid* if, given any two Coxeter systems (W, S) and (W, S'), there is an automorphism  $\rho: W \longrightarrow W$  such that  $\rho(S) = S'$ . We consider the class of Coxeter systems (W, S) for which the Coxeter graph  $\Gamma_S$  is complete and has only odd edge labels (such a system is said to be of "type  $K_n$ "). It is shown that if W has a type  $K_n$  system, then any other system for W is also type  $K_n$ . Moreover, the multiset of edge labels on  $\Gamma_S$  and  $\Gamma_{S'}$  agree. In particular, if all but one edge label of  $\Gamma_S$  and  $\Gamma_{S'}$  are identical, then W is rigid. (Received September 18, 2000)