1009-46-43 Alexander A Katz* (katza@stjohns.edu), St. John's University, Dep. of Math & CS, 300 Howard Ave., DaSilva Hall 335, Staten Island, NY 10301. On generalization of real W*-algebras. Using the theory of double centralizers due to Johnson, we obtain real analogues of Reid's results by defining a real QW*-algebra as being a real C*-algebra, such that the algebra of double centralizers of each closed real *-subalgebra is contained in a suitable related closed real *-subalgebra. We show that in general non-abelian case each real W*-algebra is a real QW*-algebra, and a real QW*-algebra is a real AW*-algebra (a Baer real C*-algebra), while in the abelian case the real QW*-algebras and real AW*-algebras are the same objects. We as well show that if A is a real QW*-algebra, then so are its center, any maximal abelian *-subalgebra, and any subalgebra of the form eAe for e a projection in A. (Received August 07, 2005)