1039-47-51   **Warren Wogen*** (`wrw@email.unc.edu`), Department of Mathematics, University of North Carolina, Chapel Hill, NC 27599-3250. *Complex Symmetric Operators.* Preliminary report.

A conjugation C on a Hilbert space H is an antilinear isometric involution. Fix such a C and consider the collection S of all operators T in B(H) with the property that CTC = T*. T is called a complex symmetric operator. S is a subspace of B(H), and while S is not a subalgebra of B(H), S does contain lots of subalgebras. We will describe some operator algebra that can be done within S. (Received February 29, 2008)