1003-20-700   **Bonnie R Amende*** (`bamende@darkwing.uoregon.edu`), 2695 Washington St., Eugene, OR 97405. *G-irreducible subgroups of type A_1.*

Let G be a simple algebraic group over an algebraically closed field of arbitrary characteristic p. A closed subgroup X is G-irreducible if it is not contained in any proper parabolic subgroup of G. A problem of considerable interest is to classify the G-irreducible subgroups. We solve the problem when G is an algebraic group of exceptional type and X is a subgroup of type A_1. To solve this problem we first embed X in a maximal proper closed connected subgroup M of G. These groups have been classified by Liebeck and Seitz. If X is G-irreducible, then X is M-irreducible. The converse is true in most cases. We determine all exceptions. (Received September 28, 2004)