1056-11-631 **Chad Awtrey*** (awtrey@asu.edu). *Galois theory for tame dodecic local fields.*

Given a monic irreducible degree 12 polynomial $f(X) \in \mathbf{Z}_p[X]$ and a prime number $p \geq 5$, let $K/\mathbf{Q}_p$ be the splitting field of f and G its Galois group. Based on the theory of higher ramification groups, we discuss an original algorithm for identifying G from among the 301 possible transitive subgroups of S_{12}. (Received September 15, 2009)