

1046-J1-1997 **Michael P. Saclolo*** (mikeps@stedwards.edu), 3001 South Congress Avenue, Austin, TX 78704.
How a medieval troubadour became a mathematical figure. Preliminary report.

In an instance of art inspiring mathematics we shall see how a poetic form has influenced modern mathematics. This form, with its origins in the Middle Ages and invented by a troubadour, led to modern research in permutation groups and finite fields. Consequently many of the mathematical objects involved are named after literary figures from both medieval and modern times. (Received September 16, 2008)