1046-J1-1596   **Barbara Ashton*** (`bashton@bmcc.cuny.edu`), BMCC, Room N539, 199 Chambers Street, New York, NY 10007. *Modeling Heraldry using Shape Grammars.* Preliminary report.

Heraldry is both a social code and a system of charges and tinctures that are arranged on shields. The rules of heraldry form a type of grammar called blazon. The precise rules and strict composition of blazon can be modeled using a shape grammar, a collection of functions defined on shapes. The definitions of the shapes and functions will be described and used to generate unique shield designs. (Received September 16, 2008)