

# Symmetry: Culture and Science

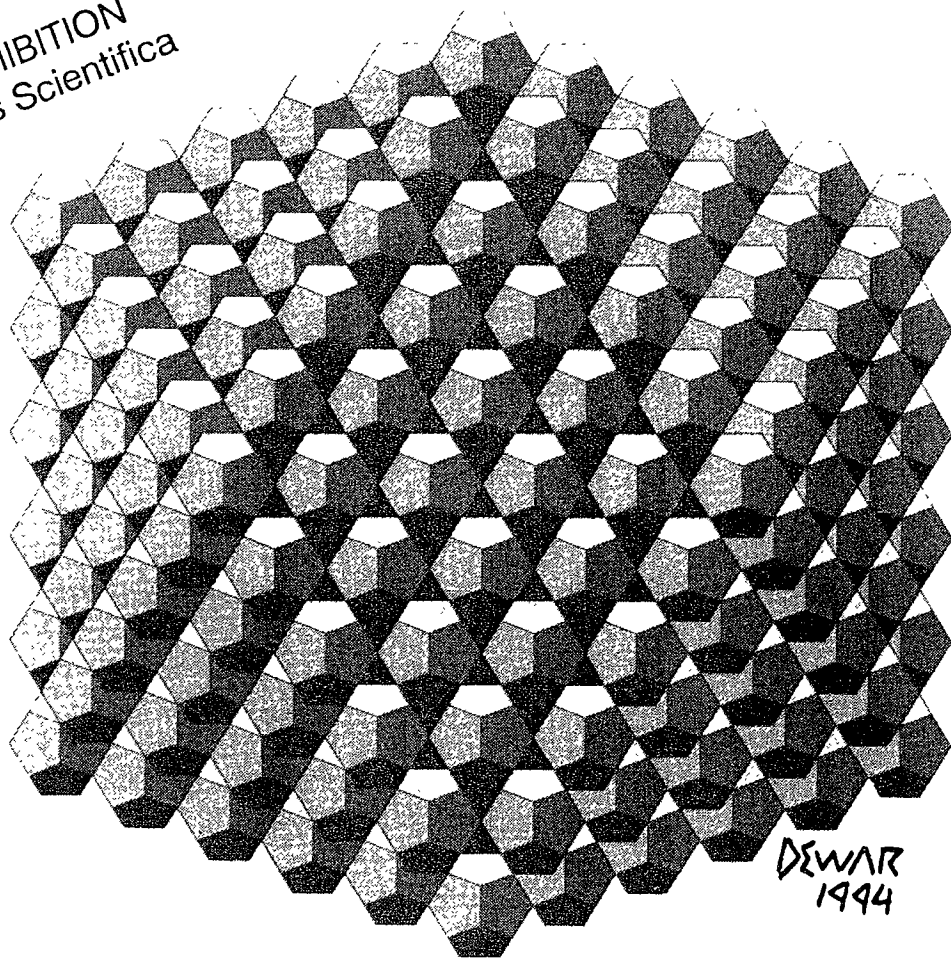
Symmetry:  
Natural and Artificial, 4

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**KNIGHT MOVES IN ART**

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All my art is based on the way a knight moves on a chessboard, in particular, on solutions to what is known as the knight's tour problem: to move a knight so that all 64 squares of the chessboard are jumped on only once. I have discovered that solutions may exhibit symmetry themselves, or have symmetry hidden within. The 2-D designs and 3-D constructions exhibited demonstrate the aesthetics of these human-made constructs.

Items include:

notebook(s) describing my approach	
several (2 or 3) 3-D constructions	24" x 24" x 9"
several (2 or 3) 3-D constructions	12" x 12" x 9"
several (2 or 3) 2-D designs	24" x 24"
many computer graphic prints	8" x 8"
fractals utilizing knight moves	8" x 8"