The Quarterly of the International Society for the Interdisciplinary Study of Symmetry (ISIS-Symmetry)

Editors:
György Darvas and Dénes Nagy

Volume 6, Number 4, 1995

Third Interdisciplinary Symmetry Congress and Exhibition
Washington, D.C., U.S.A. August 14 - 20, 1995
KNIGHT MOVES IN ART

Ronald R. Brown
569 Lake Warren Road
Upper Black Eddy, PA 18972, USA

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"