

# Directions for Nomad

Kinetic sculptures designed by:  
David C. Roy

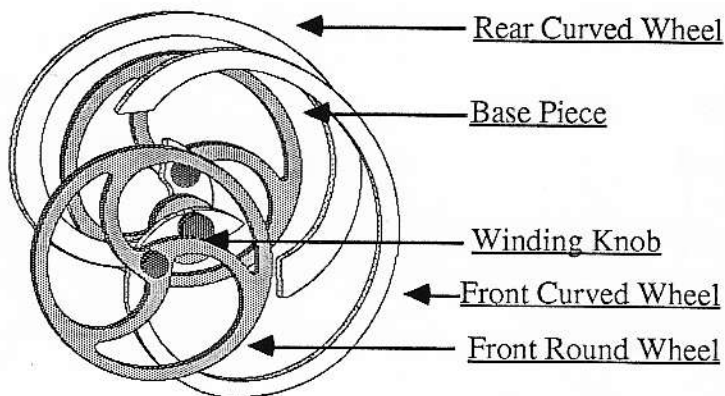
## About the Artist:

Mechanics and motion have always fascinated me. During college I studied physics, engineering and chemistry to further my understanding of how things worked. I graduated with a degree in physics from Boston University in 1974. An intuitive understanding of motion and mechanics combined with the artistic influences of my wife, Marji, led me to the creation of kinetic sculptures. In 1975 we started "Wood That Works" and I became a full time sculptor. Since then I have designed and handcrafted over 50 different limited edition and one of a kind sculptures. I have exhibited in numerous juried, invitational and group events. My work is displayed in galleries and private collections around the world. I currently maintain a studio in rural eastern Connecticut.

## About Nomad

Nomad is a piece I have been trying to make for a long time. I knew if I mounted three wheels together with offset axels and spun two of them in opposite directions, the third wheel would appear to move in straight lines, spirals and other interesting random patterns. I had used this motion in a large piece but was not able to achieve the same effect on a smaller scale. It required too much mechanism to create too little motion.

The breakthrough came when I started working with this new mechanism. The motion of this sculpture is random. At times the center wheel moves back and forth across the center of the sculpture and then starts to move in spirals. At other times it will seem to "freeze" in the center of the piece or move very rapidly in large or small orbits. The pattern continuously changes and is determined by the relative motion of the two large wheels.



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### **Technical Information:**

Size: 20" W x 20" H x 6" D  
 Power Source: negator spring  
 Run Time: 60 to 75 minutes  
 Materials: solid hardwood birch  
 plywood, stainless steel ball  
 bearings, steel shafts  
 Limited Edition of 75

#### **To Mount on Wall**

- 1) Hold the sculpture up against the wall.
- 2) Place a sharp instrument through the holes in the base piece to mark their location on the wall. Note: The orientation of the base piece is not critical but should approximate that shown in the diagram.
- 3) Drill pilot holes. If the wall is sheetrock or plaster use plastic anchors.
- 4) Screw the sculpture to the wall.

#### **To Wind:**

Reach through the front round wheel and grasp the large knob located just behind a smaller one. Hold this firmly and turn the entire sculpture clockwise in a "cranking" motion for twenty turns.

#### **To Start:**

Gently push the front curved wheel clockwise to start the motion.