

## About the Artist:

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David C. Roy

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. This 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 100 different limited edition and one-of-a-kind kinetic 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 northeastern Connecticut.

Wood   
that Works

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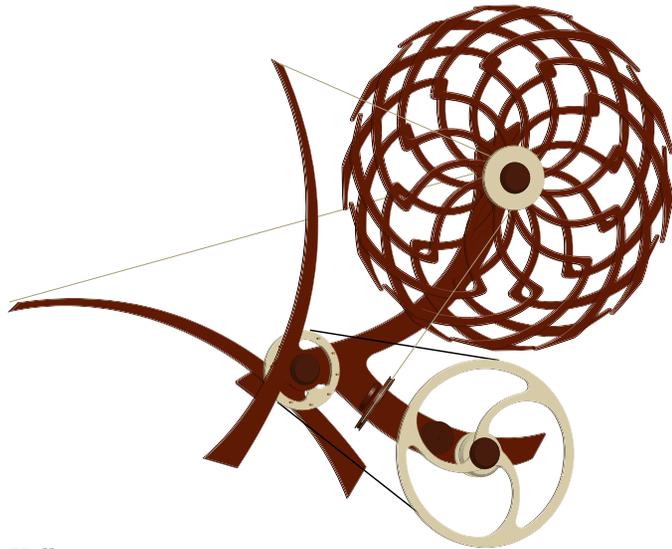
## Gyration • Directions

Kinetic Sculpture by David C. Roy  
©2011



## To the Owner...

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Hello,

Welcome to the world of Wood That Works. This Gyration is number \_\_\_\_\_ out of a possible 6 pieces. It was made by me during the month of \_\_\_\_\_ in 2012. I build, test and pack each sculpture myself, doing a few pieces of an edition per month. It takes several years for me to complete an edition and some are never finished as I move on to new designs. Designing and building kinetic sculptures like Gyration has been my full time occupation for more than 30 years. I hope Gyration brings you and other viewers as much enjoyment as I've found in making it.

Gyration has been mounted on a wall in my shop and running for at least 2 complete windings (many hours) before I pack it. I make every effort in design, construction and packing to make sure the piece will perform problem free for years to come. I use only the

Locations to tape before removing from wall:



To wind the sculpture insert you pointer finger into the crook on these two wheels. Turn about 22 turns counter-clockwise until you see the red tape on the spring. Do Not over wind!

## Directions:

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### To Wind:

- Turn the winding wheels counter-clockwise 22 turns.
- Pay close attention to the top of the light colored wood spool directly behind the winding wheel. Stop winding as soon as you see the red tape appear on the metal band. This is placed about 1 turn from the end.

*Winding beyond this point may damage the sculpture.*

### To Start:

- If the sculpture does not start by itself after winding, gently push the largest sprocket form clockwise one revolution.

### Before Moving Sculpture:

- Always tape the spring-belt and strings in place before moving the sculpture. This will save a lot of aggravation when it is time to set the piece up again.
- See the diagram for the best tape locations.
- Use the template to correctly position the sculpture after relocating.

### Guarantee:

- My kinetic sculptures are guaranteed to the original owner for a period of five years. All warranties expire with transfer of ownership from the original owner. Damage of the sculpture from exposure to extremes of high or low humidity, or to adverse hot or cold temperatures, or damage caused by normal wear and tear, accidents, misuse, or modification will not be covered by the warranty. Shipping and insurance to and from Wood That Works is the responsibility of the purchaser.
- I will charge a reasonable repair fee if the sculpture was

## About Gyration:

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Gyration is a direct descendent of my freestanding sculpture Cognition. Cognition creates a complex motion pattern with many layers. The patterns of individual layers merge to create an entirely new, almost organic, feel.

With Gyration I wanted to isolate the motion of the individual layers and position them against a wall to remove any background confusion. Gyration reveals a motion that I see as a dance. It is composed of two pairs that are also paired. (I didn't think of it before but an alternative name could have been "A Pair of Pairs." Marji would have liked this, she has an affinity for pears!)

Each pair is linked but rotates independently creating a series of randomly changing patterns. The sculpture moves slowly most of the time so the patterns seem to flow from one to the other. I like it when they form a line and then the

## Specifications:

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Size: 57”h x 44”w x 9”d

Power Source: negator spring

Approximate Run Time: 24+ hours

Materials: hardwood plywood, bearings, string

Gyration ©2011

## Directions:

### To Mount on Wall:

- DO NOT remove the tape holding the spring-belts in place.
- Hold the mounting template in the desired location against a wall. Please note the minimum clearance dimensions are shown at the edges of the template in the diagram.
- Level the bottom edge of the template.
- Place a sharp instrument through the screw holes, marking their positions on the wall. Remove and save the template.
- Drill pilot holes. If the wall is sheetrock or plaster use plastic anchors.
- Screw the base of the sculpture to the wall using 4 screws.
- Remove the tape holding the spring-belts in place.
- Remove the knob on the top shaft. Slide the motion assembly onto the shaft. There are both front and rear bearings in the sleeve that need to slide onto the shaft. Be careful to keep them aligned with the shaft as you install the assembly.
- Screw the knob back onto the shaft. DO NOT over tighten the knob. Finger pressure is sufficient. There should be a minimum of 1/16th of an inch of forward and backward motion after installation.

