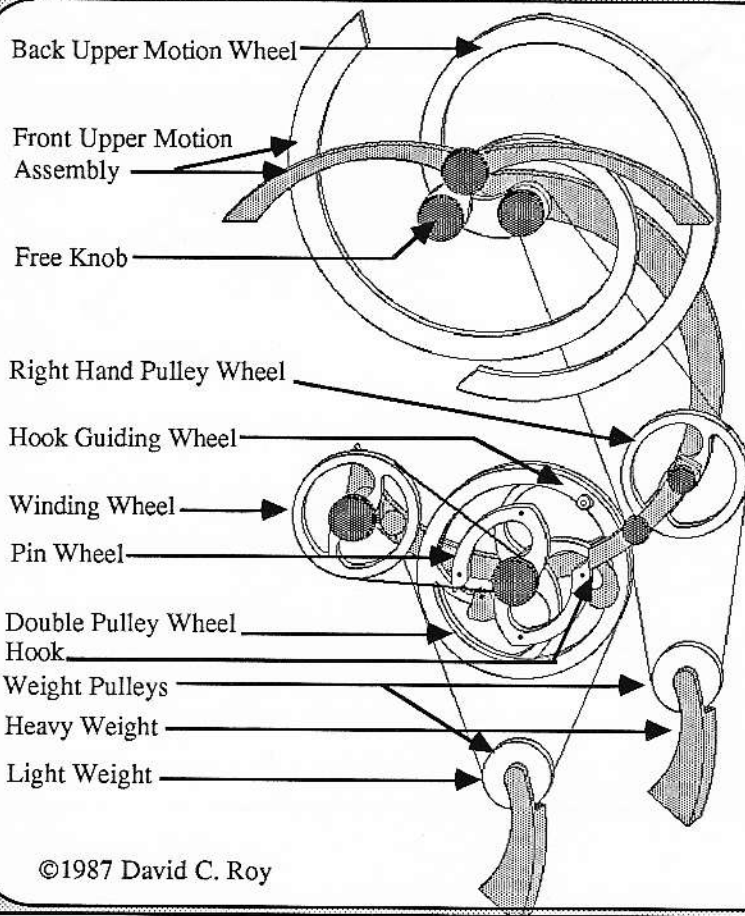


# Directions for Voyager

Kinetic sculptures designed by:  
David C. Roy



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### Technical Information:

Size: 35" W x 50" H x 5" D  
 Power source: negator spring  
 Run time: 60-75 minutes  
 Materials: solid hardwood birch  
 plywood, stainless steel ball  
 bearings, steel shafts  
 Edition of 75

### Caution:

Handling the mechanism while in motion can cause the hook to unhook and the spring to unwind rapidly. This could damage the sculpture.

### To Mount on Wall

- DO NOT remove the tape holding the strings in place.
- Hold the mounting template in the desired location against a wall. Level the bottom edge.
- Place a sharp instrument through the 3 screw holes, marking their positions on the wall.
- Drill pilot holes. If the wall is sheetrock or plaster use plastic anchors.
- Screw the lower part of the sculpture to the wall.
- Unscrew the free knob on the back upper motion wheel. (Only 1 knob is loose).
- Slide front upper motion assembly onto the shaft. Wiggle the pawl on the back piece to allow the front piece to slide all the way on to the shaft.
- Screw the knob back in place.

### To Hang Weights:

- Remove the cardboard spacer from the right hand string loop.
- Put the string loop around the pulley of the heavy weight (the one with lead weights in the back). Gently let the weight pulley rest in the loop and take up tension in the string.

- Remove the cardboard spacer from the left hand string loop.
- Put the string loop around the pulley of the light weight (the one with no lead weights in the back). Gently let the weight pulley rest in the loop and take up tension in the strings.
- Remove the tape holding the strings in place. DO NOT remove the brown tape on the drive spring.

### To Wind:

- Gently pull down on the right hand weight until the small hook guiding wheel is at about 11 o'clock. (Push the hook out of the way if necessary)
- Turn the winding wheel 20 turns counter-clockwise.
- Hook the small hook on one of the brass pins in the small pin wheel.
- Caution: This hook must be hooked on a pin or the mechanism will unwind very rapidly and possibly be damaged.

### To Start:

- Gently pull down on the left hand weight until it will go no further.
- Release the weight.

Continued on reverse

## If the strings become tangled:

### The correct location of the strings:

- There are 2 strings that transfer motion in this mechanism, one should be in the rear slot of the large pulley wheel and one in the forward slot. They both leave their slots from the right hand side of the wheel at about 3 o'clock.
- The rear string goes up and over the pulley behind the motion wheel, down and over the right hand pulley wheel, under the heavy weight and is tied up to the left hand support shaft.
- The forward string goes down and under the pulley on the light weight and is tied behind the drive spring wheel.

### Before moving:

If you need to move the sculpture, be sure to tape the strings in place before taking the sculpture off of the wall.

### How to re-string Voyager:

- Make sure the drive spring is unwound.
- Remove the weights and untangle the strings. Make sure they follow the path described to the left. Put the right hand weight back in place first on the rear string and allow it to take up the slack. With the weight in place the rear string should leave the slot at about 1 o'clock with none remaining in the slot.
- The right hand string should now be forming a small loop with about three quarters of it's string in the front slot, entering at 3 o'clock, wrapping up and around the wheel to 9 o'clock. Put the right hand weight in place.
- If necessary the black drive belt can be removed to help placing the strings.