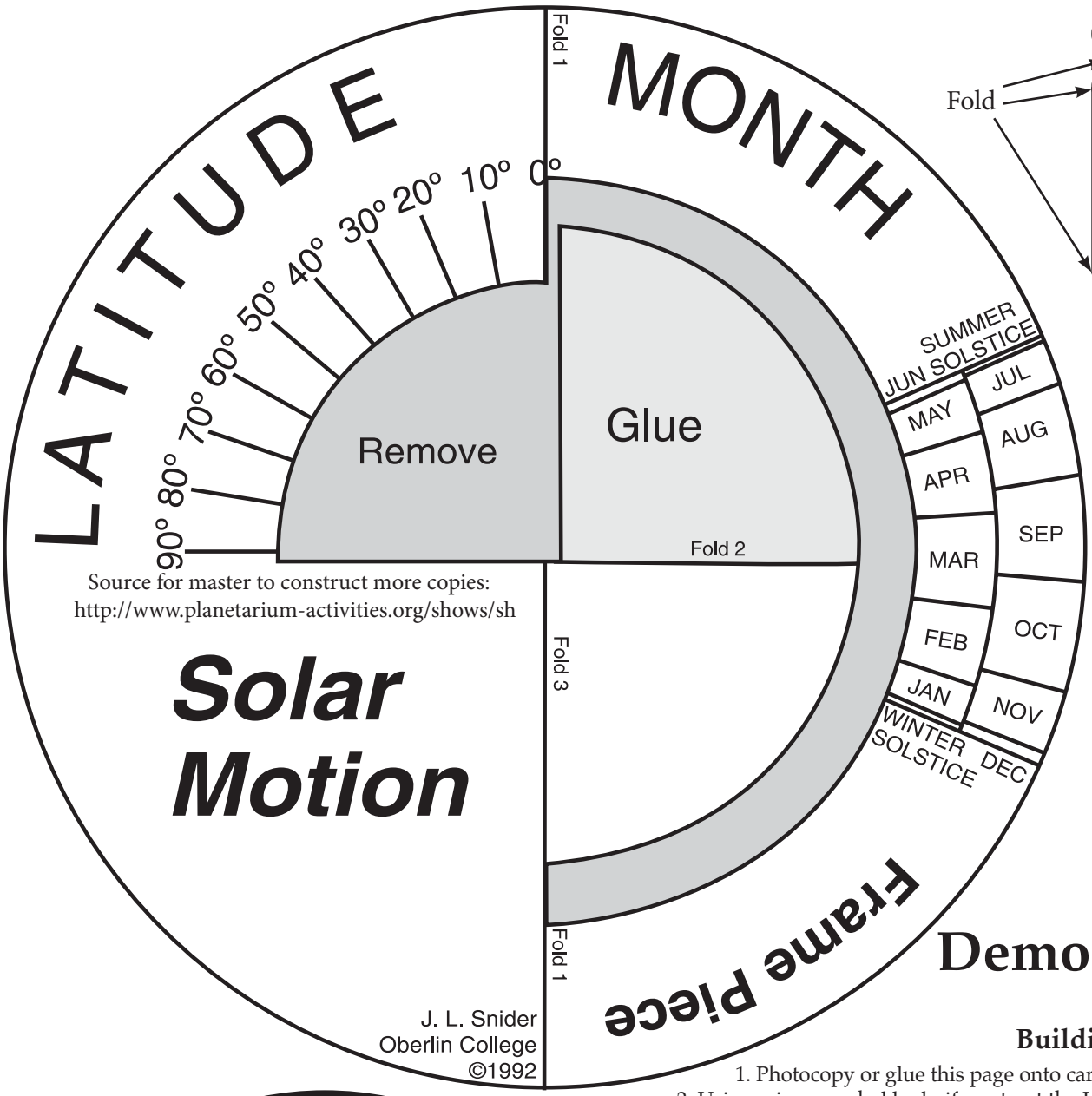
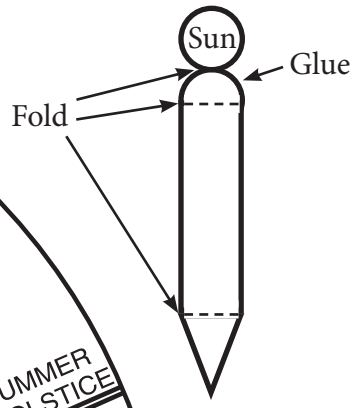
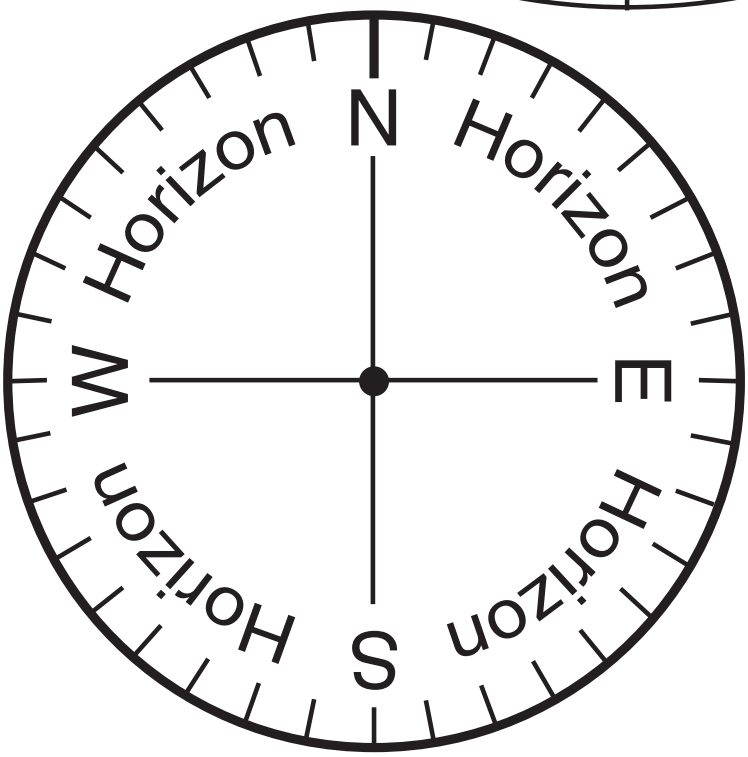




Solar Motion Demonstrator



Building Instructions

1. Photocopy or glue this page onto cardboard or stiff paper.
2. Using scissors or hobby knife, cut out the Horizon Disk and the Solar Motion Frame along their circular outlines and cut away the area of the Frame marked "Remove".
3. Using ruler or table edge, fold the frame along a vertical straight line passing through Folds 1 & 3. Fold flexes both ways. Do the same to Fold 2.
4. Cut out the small slot that is at the "N" on the Horizon Disk. This slot should not be any wider than the cardboard is thick.
5. Glue the northeast quadrant of the disk to the portion of the Frame labelled "Glue." Make sure the north-south lines up with the frame hinges and the mark for West is right over the 90-degree mark on the Frame. Let the glue dry....
6. Pivot the disk on its hinge away from you through 90 degrees, and then slip the slot onto the latitude scale, with the plane of the disk perpendicular to the plane of the Frame.
7. Make a "Sun" to fit onto the piece marked "MONTH." A couple of ways to do this: (a) Use a large paper fastener with the head of the fastener on the inner edge of the month scale. Bend the fastener's prongs around so that it fits snugly and slides easily to cover the appropriate date on the "MONTH" piece; (b) cut out the Sun on the template; glue or tape the half disk to the back of the Sun; fold it; tape onto a paper clip and clip to the MONTH scale.

Your "Solar Motion Demonstrator" is finished!