## **Jill Britton**

Make your own



KALEIDOCYCLE

## Clown Kaleidocycle

Instructions

Set your printer to legal paper (portrait orientation). Print the colored pattern of the kaleidocycle that follows on the heaviest weight of legal white card stock your printer will allow. Score all broken lines with a darning needle, then cut out the pattern along the solid lines.

Fold face-to-face on all vertical scored lines, including those which adjoin tabs. Fold back-to-back on all diagonal scored lines. The folded pattern will begin to naturally curl into shape.

Gently cup the pattern in your hands so that the bottom triangles come around to meet the blank triangular tabs at the top of the pattern. Glue the triangles to these tabs. Make sure that all seams are sealed. You now have a chain of six linked tetrahedra.

Hold the chain of tetrahedra in both hands and bring its ends together to form a ring. The double tab on one end will be fitted inside the slot at the other end of this ring.

Put glue on each of the outer sides of the double tab and slide it into the open slot at the other end of the ring. Turn the ring so that you can apply pressure with your finger to seal the seam. Let the seam set for several seconds, holding the model in position so that the seam does not separate.

Now gently turn the model over and rotate it slightly to bring into view the seam on the opposite side. Match the design and seal this seam, again holding the model so that the seam does not separate. When these seams have "set", let the model dry thoroughly.

When dry, rotate the model in a continuous cycle of motion by pushing the points of the tetrahedra through the center hole.

(For speedy assembly, use scotch tape to join all appropriate edges.)

