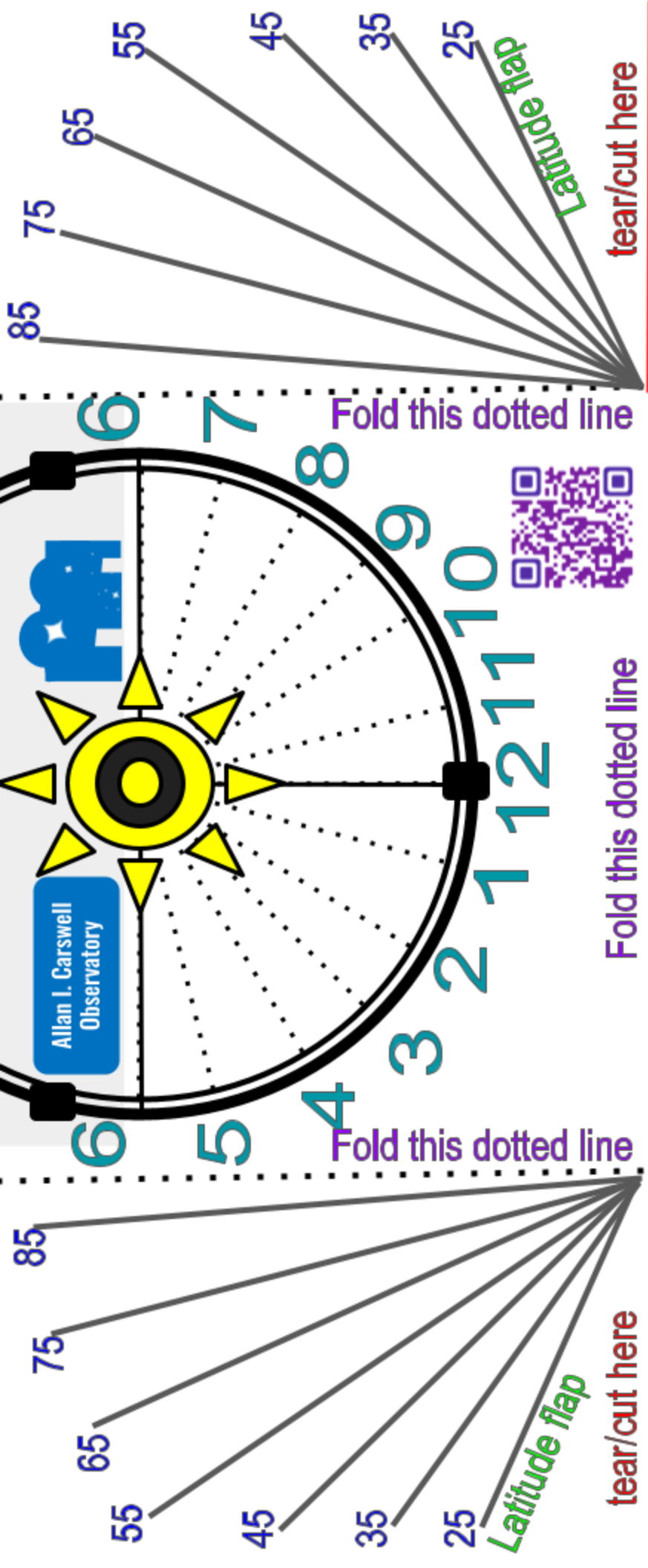




As the Sun moves across the sky, the shadows cast by objects change in length and direction.

By placing an object in the ground, you can use these shadows to chart the passage of the day. By scratching lines into the earth, our ancestors could define an 'hours' system and begin to count the passing of daylight hours.

This is a sundial—a time-finder.

Toronto AICO Latitude ~43 degrees N



Allan I. Carswell
Astronomical Observatory



For free tours & more see:
yorku.ca/science/observatory/



How to Create A Paper Sundial

1. Cut at the 2 lines on side
 2. Fold at 3dotted lines
 3. Fold at 2 flaps for your latitude (Toronto is 43) and fasten with tape if needed
- Insert a pencil/stick in center and balance as in picture
5. Place on ground securely and aim towards **NORTH**
 6. Watch the time as the shadow falls!