

Name: \_\_\_\_\_ SSN: \_\_\_\_\_

Date of Session: \_\_\_\_\_

## Staerkel Planetarium Session

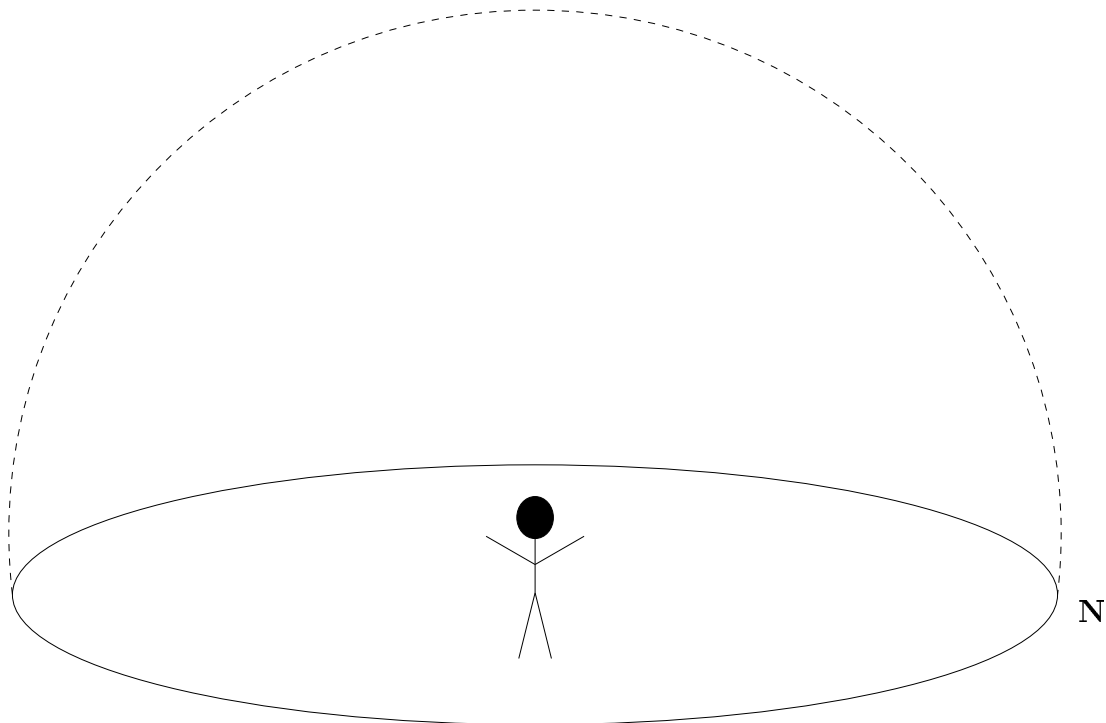
**Purpose:** To learn about the Celestial Sphere and the apparent motions of celestial objects as observed from Champaign-Urbana and other parts of the world.

**What to do?** Attend the Staerkel Planetarium sessions and answer the questions below.

### 1. Celestial Sphere.

Draw a celestial sphere for an observer in Champaign-Urbana (latitude of  $40^\circ$  N) using the figure below. Mark the following points and great circles on your drawing:

- zenith, horizon, the cardinal directions (S,E,W) on the horizon plane;
- north celestial pole and celestial equator
- the north star - Polaris
- mark the region where you see circumpolar stars



2. (a) List 5 topics that were covered in the show.

(b) Describe your favorite part of the planetarium session in 5 sentences.

**Staple the planetarium ticket to this report.**