

## INSTRUCTIONS FOR ASSEMBLING UNCLE AL'S KEPLER STAR WHEELS

- Step 1: Copy Star Wheel and Star Wheel Holder pages on heavy cardstock or use glue stick or doublestick tape to adhere pages onto a file folder or heavy cardstock.
- Step 2: Cut along the black outer circle of the Star Wheel and along the solid lines on the Star Wheel Holder. Remove the interior oval shape on the Star Wheel Holder.

- Step 3: On the Star Wheel Holder, fold the cardboard along the dotted lines.
- Step 4: Tape the sides of the Star Wheel Holder on the back to form a pocket.
- Step 5: Place the Star Wheel in the Star Wheel Holder.

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 Uncle Al's Star Wheels are based on LHS Sky Challengers created by Budd Wentz.  
 Uncle Al's Star Wheels - <http://www.uncleal.net/uncle-als-starwheels>  
 Kepler Star Wheel - <http://kepler.nasa.gov/ed/skywheel>

# STAR WHEEL HOLDER

## KEPLER STAR WHEEL

UNCLE AL'S HANDS-ON UNIVERSE

HOLDER FOR LATITUDES  
ABOUT 30°-50°N

NORTHERN HORIZON

EASTERN HORIZON

WESTERN HORIZON

SOUTHERN HORIZON

Star wheels have Kepler field of view & naked-eye stars known to have planets (down to magnitude 5)

See separate page for star & planet details.

Green circles denote stars with exoplanets. Magnitude numbers are written right in the stars for 1st, 2nd, & 3rd mag

Learn about NASA's Kepler Mission at <http://kepler.nasa.gov>

Version: August 2012

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Uncle Al's Star Wheels are based on LHS Sky Challenggers created by Budd Wentz.  
Uncle Al's Star Wheels - <http://lhs.berkeley.edu/hou/img/uncleal>  
Kepler Star Wheel - <http://kepler.nasa.gov/ed/skywheel>

1. Align your date and time, and then look up at the sky.
2. Locate the constellation you want to find on the map.
3. Turn your map so the horizon it is closest to is at the bottom.
4. The star positions in the sky should match those on the wheel.

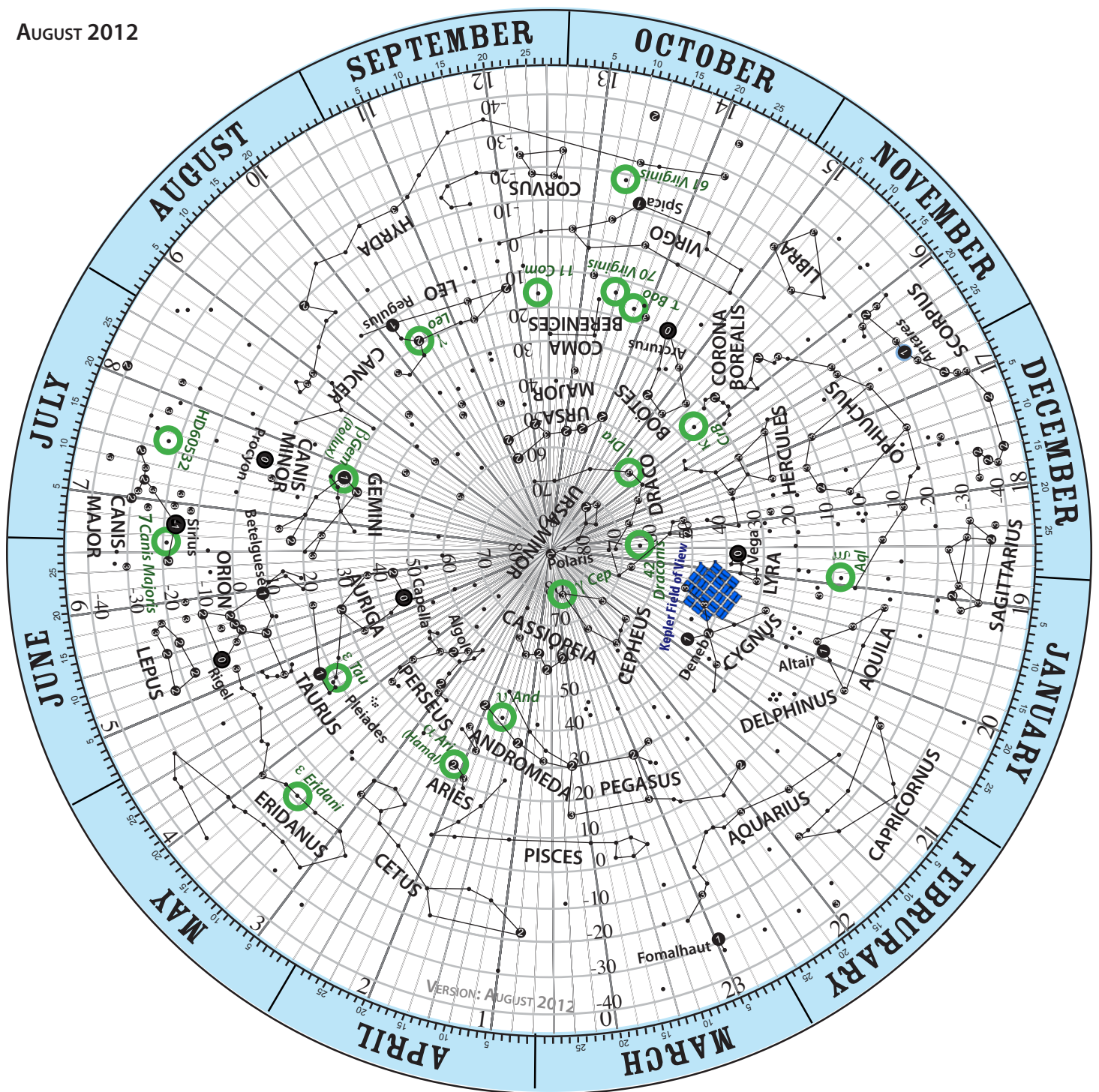
### Instructions for Using Uncle Al's Star Wheels

Tape

Tape



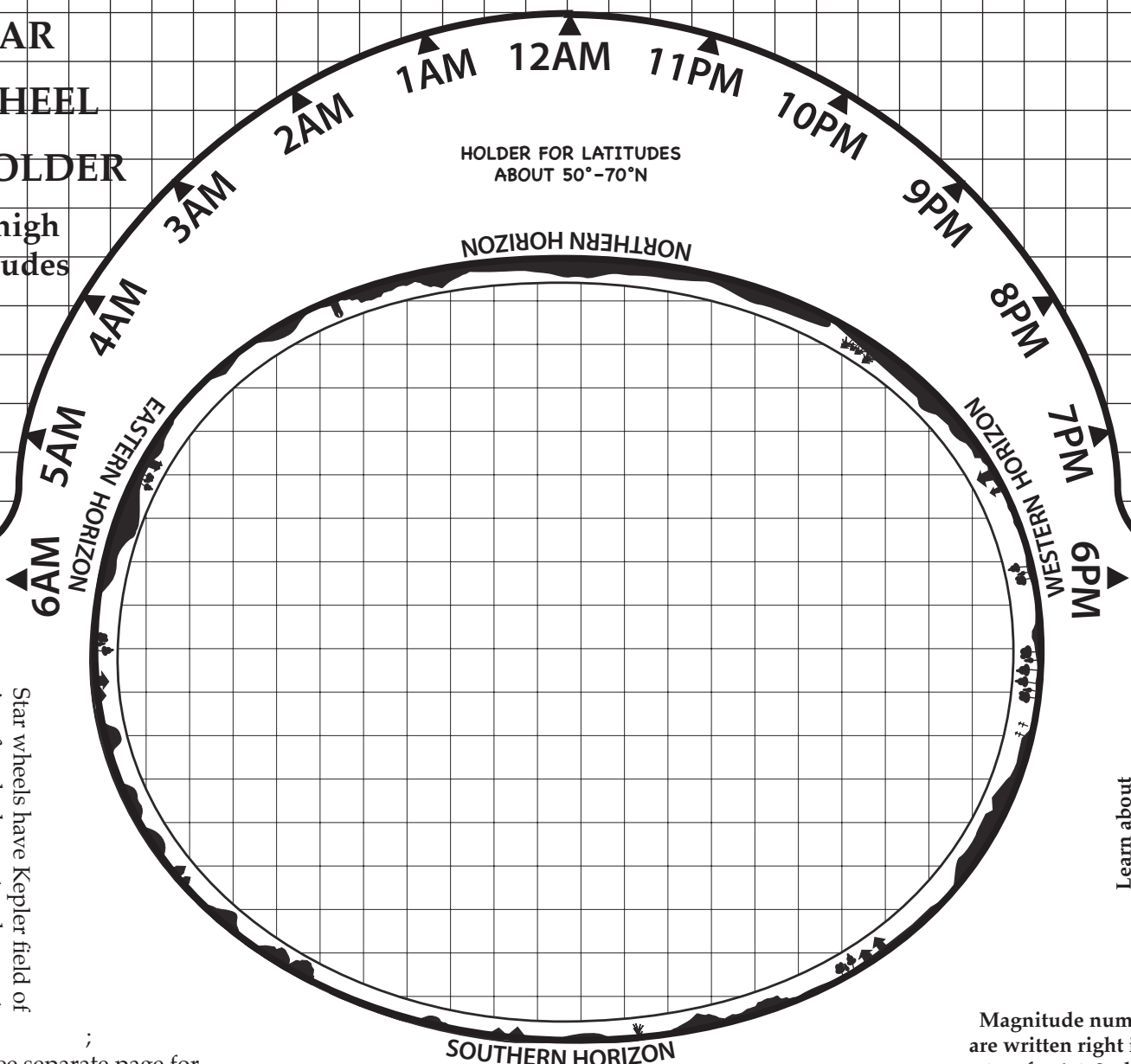
AUGUST 2012





# STAR WHEEL HOLDER

for high  
latitudes



HOLDER FOR LATITUDES  
ABOUT 50°-70°N

Star wheels have Kepler field of  
view & naked-eye stars known to  
have planets (down to magnitude 5)

See separate page for  
star & planet details

Learn about  
NASA's *Kepler* Mission at  
<http://kepler.nasa.gov>

Magnitude numbers  
are written right in the  
stars for 1st, 2nd, and  
3rd mag

## Uncle Al's Hands-On Universe Kepler Star Wheel

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Kepler Star Wheel - <http://keplernasa.gov/ed/skywheel>

1. Align your date and time, and then look up at the sky
2. Locate the constellation you want to find on the map.
3. Turn your map so the horizon it is closest to is at the bottom.
4. The star positions in the sky should match those on the wheel.

### Instructions for Using Uncle Al's Star Wheels

Tape

Tape