



This is how the Astronomical Society of Eastern Missouri would spend the \$2500 Award from Astronomy Magazine in 2015. It would be really helpful to receive this award in 2015 for two reasons. First, a 32” Dobsonian GOTO telescope, owned by the Alliance for Astronomy, and run by ASEM members, will be installed at Broemmelsiek Park for Outreach uses. Second, the August 21, 2017 total solar eclipse midline will be part of ASEM’s Outreach. We can accumulate materials for eclipse Outreach events now. Costs of safe solar viewers will only increase before 2017.

Here is a breakdown of items ASEM needs to maintain a quality Outreach program.

MAINTENANCE OF INSTRUMENTS, \$2050.00

- EYEPIECES, \$1500.00. ASEM members maintain and operate a 16” Jones Bird reflector, a C-14, and in 2015, a 32” Dobsonian. We do not have enough eyepieces.
- VIDEO SYSTEM, \$350.00. An image sent to a monitor lets many see what the eyepiece sees.
- CELLPHONE BRACKET, \$50.00. A cellphone to eyepiece bracket speeds up the viewing line.
- TABLET and SOFTWARE, \$150. A generic Android Tablet running Sky Safari Pro is helpful for Outreach and for running GOTO telescopes

TOTAL SOLAR ECLIPSE, \$450.00

- TOTAL SOLAR ECLIPSE, \$50.00 Produce promotional and training materials.
- ECLIPSE SHADES SAFE SOLAR GLASSES, \$400.00. Estimate need for 1,000 visitors.

Thank you for considering the Astronomical Society of Eastern Missouri for the generous Astronomy Magazine Outreach award for 2014. The continued support that Astronomy Magazine has demonstrated toward the amateur astronomy community is truly appreciated.