

*education*  
*outreach*  
*monthly meetings*

*No special preparation is needed to join the ranks of the MAS. The only requirement is a genuine interest in any phase of astronomical observation or study. Our members are amateurs with skill levels from novice to experienced observers.*



## Becoming a Member

Members receive our newsletter *Capitol Skies*, discounts on *Astronomy* and *Sky & Telescope* magazine subscriptions, and have access to our dark sky site and the full observing resources of the Society.

Membership dues are reasonable and include a discounted rate for full-time students.

Membership forms are available for download at [www.madisonastro.org](http://www.madisonastro.org) (click on the “welcome” link) or send an email to [aristarchus@madisonastro.org](mailto:aristarchus@madisonastro.org)

Members meet monthly to hear guest speakers and presentations on current topics in astronomy, and to share their observing experiences and love of the night sky with one another. Visitors and guests are welcome at the monthly meetings. See our website for additional details.



*To promote an appreciation of astronomy, to engage in educational activities among amateur astronomers and between amateur astronomers and the public, and to promote an understanding and appreciation of astronomy within the public forum.*

[madisonastro.org](http://madisonastro.org)

# YRS

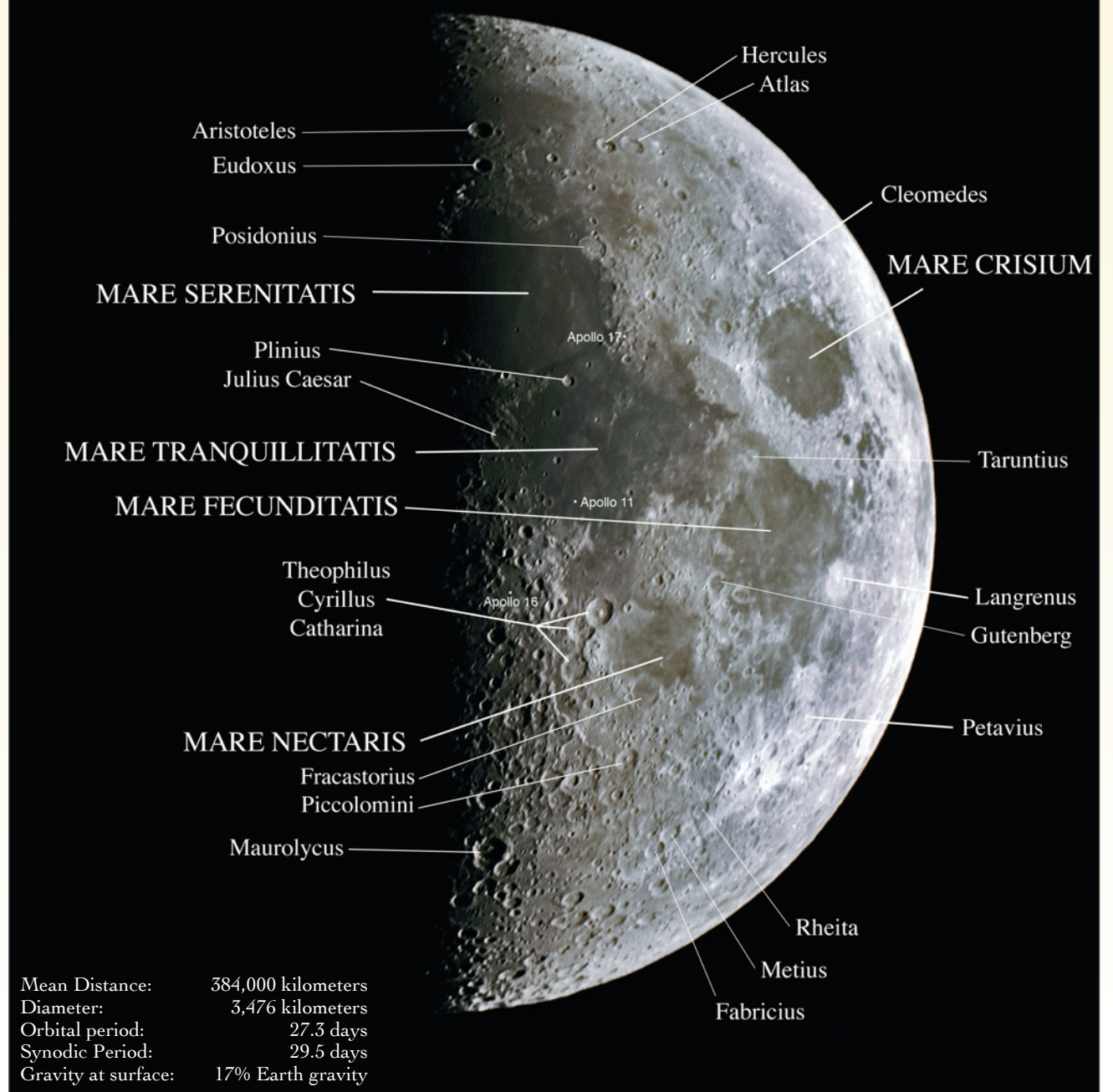
The Yanna Research Station (YRS) has been the Madison Astronomical Society's prime dark-sky site since 1984. It is available for use by members and their accompanied guests.

Named for LeRoy Yanna, who donated the land, the Yanna Research Station is home to the society's four permanently mounted telescopes (1 dome and 3 roll-off buildings), a heated and air-conditioned clubhouse, a sanitary facility, and 7 concrete pads with nearby electrical access where members can set up their own observing equipment.

Located approximately 20 miles south of Madison, the Yanna Research Station skies are dark enough to support a variety of observational and photographic activities, as well as simple enjoyment of the nighttime sky. Observing members can access all the telescopes and equipment after a brief training orientation. Other members can make use of the site for its dark sky qualities.



# The First-Quarter Moon



Mean Distance:	384,000 kilometers
Diameter:	3,476 kilometers
Orbital period:	27.3 days
Synodic Period:	29.5 days
Gravity at surface:	17% Earth gravity