



# ASTRAL PROJECTIONS

Volume 21 Issue 5

May 2010

\*\*\*\* PLEASE NOTE \*\*\*\*

Due to the renovation of the planetarium, meetings are in the Solar Lounge beginning at 7:00 PM. The Solar Lounge is located in the Ocean County College Center building #15 across from the Planetarium.

## Astronomy Day was a BLAST!

### Meeting Schedule

#### May 14<sup>th</sup> "Planetary Nebulas" - Richard Mackiewicz

A presentation and discussion on Planetary Nebulas given by Richard Mackiewicz.

**June 11<sup>th</sup> "open Meeting"** If anybody has a topic that they would like to talk about contact the club officers.

**July 9<sup>th</sup> "Famous Astronomers #5" – Bob Salvatore** A presentation and discussion on Famous Astronomers.

**August 14<sup>th</sup> ASTRA's Annual Picnic** Location - TBA-



Lots of hard work by many and it sure was satisfying by the response from the public. Good job everyone. We sure did miss a number of ASTRA members due to sickness. Sorry you were unable to be with us but we were all thinking of you and looking for good news from other members as to your progress.

What a beautiful sunny day it was. First time in a while, we got some solar observing. The guests showed lots of interest in coming to our meetings and some looking forward to some help with their telescopes.

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## ASTRA Library of Books & DVD's

The following books and DVD's are available to borrow for one month at a time. Request for these items must be made prior to our regular meeting and returned the following meeting. Please e-mail your request for these items to John Endreson [webmaster@astra-nj.org](mailto:webmaster@astra-nj.org) or call the ASTRA Hotline 609-971-8493

### BOOKS

- 1) **The Far Side of the Moon** by Charles J. Byrne.
- 2) **Night Watch** by Terence Dickinson
- 3) **New Atlas of the Moon** by Serge Brunier (Author), Thierry Legault (Photographer).
- 4) **Encyclopedia of space** by National Geographic
- 5) **The Real Mars** by Michael Hanion
- 6) **Don't Know Much about the Universe** by Kenneth C. Davis's

### DVD's

- 1) **Parts 1&2 Understanding the Universe What's New in Astronomy 2003** Taught by: Professor Alex Filippenko. Each part has 8 lectures, 45 minutes per lecture.
- 2) **Parts 1 to 5 Understanding the Universe An Introduction to Astronomy** Taught by: Professor Alex Filippenko each part has 8 lectures, 45 minutes per lecture.
- 3) **COSMOS**  
In his "ship of the imagination," Carl Sagan guides us to the farthest reaches of space and takes us back into the history of scientific inquiry in the course of 13 fascinating hours.

For a complete list of books and DVD's, visit our website or Call the ASTRA Hotline at 609-971-8493.

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## ASTRA Club Telescopes

A.S.T.R.A. owns two Dobsonian type telescopes of 6 inches and 8 inches in aperture and two refractors one 80mm Celestron w/Altaz mount and one 120mm Orion AstroView w/equatorial mount. After suitable training, club members may borrow these telescopes for a month at a time. Contact John Endreson at: [Webmaster@astra-nj.org](mailto:Webmaster@astra-nj.org) or call the ASTRA Hotline 609-971-8493 if you are interested in using one of our scopes.

### Wanted!

No longer used telescopes, parts, and accessories.  
Call the ASTRA Hotline at 609-971-8493  
We will come and pick-up your used equipment.

## Items for Sale

**Meade Super-wide 13.8mm 1 1/4 in. eyepiece for sale.**  
This is an original Japanese made series 4000 eyepiece with a 70 degree field. Excellent condition. Originally \$125, sell for \$50.  
Contact: Phil Zollner at 732-905-0889 or [pazap@juno.com](mailto:pazap@juno.com)

## ASTRA-WEAR: For Embroidered and/or Printed items With the ASTRA Logo



You can see some samples at ASTRA meetings. To order by mail: Shelter Cove Embroidery Co. 1333 Bay Ave Toms River, NJ 08753 call 732-506-7700 or E-mail [astra-wear@estitches.com](mailto:astra-wear@estitches.com)

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## May 2010 Celestial Events

**1<sup>st</sup> Dusk:** Use binoculars to spot 4<sup>th</sup> magnitude star Kappa1 Tauri about ¼ Deg. lower left of Venus. And look 5 Deg. lower left of star Kappa1 for 5<sup>th</sup> magnitude Kappa2.

**4<sup>th</sup> Dusk:** The 4<sup>th</sup> magnitude star Tau Tauri is less than ½ Deg. left of Venus. This star is a wide double, with 7<sup>th</sup> magnitude companion 63" southwest of the primary.

**6<sup>th</sup> Last Quarter Moon** (12:15 am EDT)

**9,10<sup>th</sup> Dawn:** The waning crescent Moon is above Jupiter on the 9<sup>th</sup> and left of Jupiter on the 10<sup>th</sup>.

**13<sup>th</sup> New Moon** (9:04 pm EDT)

**15<sup>th</sup> Dusk:** The thin crescent Moon is lower right of Venus.

**19<sup>th</sup> Evening:** The Moon is 6 Deg. below Mars.

**20<sup>th</sup> Evening:** The First Quarter Moon is 5 Deg. lower left of Regulus and 12 Deg. left of Mars.

**21<sup>st</sup> Dusk:** The star cluster M-35 is 1 Deg. lower left of Venus.

**22<sup>nd</sup> Evening:** Look for Saturn about 8 Deg. above the Moon.

**24<sup>th</sup> Evening:** look for Spica about 6 Deg. upper right of the Moon.

**27<sup>th</sup> Full Moon** (7:07 pm EDT).

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# Whats up this month?

## ASTRA Public Outreach & Star Parties Schedule

### Jake's Branch "Star Party #2"

A star watch for the Ocean County Parks System. There will be many telescopes to look in.

Date: Friday, 5/7/2010

Time: 7:00 PM - 11:00 PM

Location: Jakes Branch County Park, Double Trouble Rd, Beachwood, NJ 08722

### ASTRA Coyle Field "Star Party"

ASTRA Memembers meet to help newbies learn the night sky and how to use their telescopes

Date: Saturday, 5/15/2010

Time: 7:00 PM - 2:00 AM

Location: Coyle Field, Coyle Field Rt 72 Stevenson Road, Burlington County, NJ 08019

### Joseph A. Citta Scout Camp "Public Outreach"

Cub Scout Public Outreach. There will be about 100 guests and we will be setting up about 7:00-7:30pm

Date: Friday, 5/21/2010

Time: 8:00 PM - 10:00 PM

Location: Joseph A. Citta Scout Camp, 229 Brookville Road, Barneget, NJ 08005

**Call the ASTRA Hotline 609-971-8493 on the date of the star party for up to date information.**



ASTRA is recognized as having one of the best public outreach programs in the country as recognized by Astronomy magazines "Out of this World" public outreach program. For more information go to <http://nightsky.jpl.nasa.gov> or contact Ro Spedalieri (Treasurer@astra-nj.org) or the ASTRA Hotline 609-971-8493

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### **Astronomical Items for Sale, or Help Wanted Advertisements:**

If you have an item to Sell, or need help with an astronomical problem (a question, or Telescope setup) contact the President [President@astra-nj.org](mailto:President@astra-nj.org) or the ASTRA Hotline 609-971-8493 to announce it at a meeting and send the advertisement to the newsletter (See Newsletter below).

**Newsletter:** E-mail material (Meeting reports, Observing reports) to [Newsletter@astra-nj.org](mailto:Newsletter@astra-nj.org)

### **EXECUTIVE BOARD**

**President** – Bob Salvatore,  
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[Webmaster@astra-nj.org](mailto:Webmaster@astra-nj.org).

Check us out on Facebook, search groups for ( ASTRA Astronomy ) and look for our logo.



We thought we were going to have a riot at the star lab with so many wanting to see the show. Good job getting everyone in before the end of the day. LOTs of happy faces and that wonderful spark of Astronomy enthusiasm. Felling great today with all the good thoughts from yesterday- Thanks to all the ASTRA members that I can be a part of to make such a great day possible.

-----Contributed by Sarah Waters



Astronomical League National Headquarters  
9201 Ward Parkway; Suite 100  
Kansas City, MO 64114  
1-816-333-7759 or [www.astroleague.org](http://www.astroleague.org)

The *REFLECTOR* is published in March, June, September and December. If you do not receive your copy of the REFLECTOR magazine, contact Astronomical League Coordinator (Alcor) Ro Spedaliere ([Treasurer@astra-nj.org](mailto:Treasurer@astra-nj.org)) or the ASTRA Hotline 609-971 8493 and leave a message.