

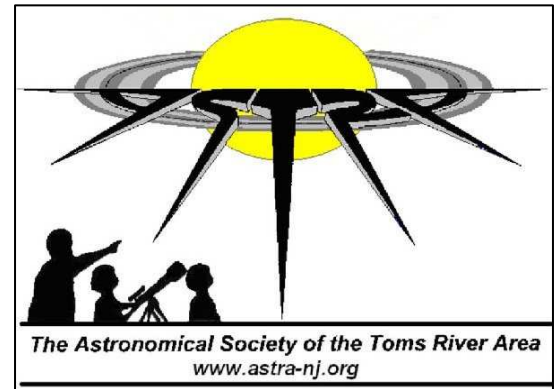
ASTRAL PROJECTIONS

JUNE 2009

www.ASTRA-NJ.org

**** PLEASE NOTE ****

Meetings are in the Solar Lounge beginning at 7:00 PM. The Solar Lounge is located in the Ocean County College Center building across from the Planetarium. The relocation of the meeting is due to the renovation of the planetarium building.



With a paid-up family membership for 2009, when you attend a monthly meeting, each family may enter their name into a free random drawing for a door prize to be given away during the meeting.

Our Next Meeting – Friday – 7 PM – June 12, 2009

Celestial Navigation: Sarah Waters will be presenting information about Celestial Navigation.

2009 Meeting Schedule

See www.ASTRA-NJ.org for latest update
(All meetings start at 7:00 PM unless otherwise noted)

June 12th – Celestial Navigation presented by Sarah Waters.

July 10th – Virtual Observer Research Project presented by Roger Blake.

August – No Meeting (Picnic Date Aug 15 – place to be determined)

September 11th – Space Shuttle Columbia STS 61-C mission Guest Speaker Astronaut Robert Cenker

October 9th – Mirror Grinding presented by Gene Russo

November 13th – Famous Astronomers of the 17th Century presented by Rich Brady

December 11th – Annual Awards Meeting

Star Party Plans

For members who enjoy observing the skies, checkout the following list. ASTRA hosts several *public* and *private* star parties, coordinated by Ro Spedalieri.

May 30th: Wells Mills Park campout, ASTRA members only.
June 19th: Jake's Branch Park Beachwood, open to the public.
June 27th: St. Michael Church, Wall, ASTRA members only.
August 1st: OCC Summer star watch, open to the public.
September 12th: Berkeley Pride Day, open to the public.

See the [ASTRA website](#) for the latest times, dates, and directions.

Highlights of the Last Meeting

May 8, 2009

Kid's Zone:

Sarah hosted the Kid's Zone this meeting. Sarah provided a do-it-yourself sun dial. Everyone got one. After the meeting I put mine together with my grandson. It worked great. Thanks Sarah. Another great Kid's Zone to start off a good meeting.

Raffle:

Jeff donated a nice poster of the Space Shuttle which are won by Sarah Waters

Discussions:

John reduced the number of discussion board on the website to two as requested by the members at the last meeting.

Astronomy Day this year was poorly attended. A group of Scout came in and enjoyed the event. Next year we need to get the word out sooner to get attendance back up. Randy stepped up and was the Comet Chef. Thanks Randy.

The August picnic meeting is coming up. Rich ask members to think about what we want to do this year. There were several suggestions about going to one of the parks for the day. August 15th was the preferred date. Please express your opinion as to where you think we should have the picnic.

Show and Tell:

There weren't many participants in the Show and Tell for this year. Didn't anybody get anything new for the year? Sarah showed us some of the books that she has. Erin showed everyone a star finder that she got for Christmas. Bill brought some binoculars that he had. Vinny had some different star wheels including one that had the Native American constellations. [Note from Rich Brady: I am doing this all from memory – I didn't take notes. I don't think I left anyone out.]

2009 June Celestial Events: supplied by J. Randolph Walton (Randy)

Day	Date	Time (EDT)	Event
Tue	2	2:12	Double shadow transit on Jupiter
		2:24	Ganymede occults most of Io
Sat	6	00:35	Jupiter Rises
		01:40	Saturn Sets
		03:20	Venus Rises
		03:25	Mars Rises
		04:40	Mercury Rises
		05:32	Sunrise
		19:55	Moon Rise
		20:26	Sunset
Sun	7	14:12	Full Moon
		20:50	Moon Rise
Tue	9	04:06	Double shadow transit on Jupiter
Sat	13	00:10	Jupiter Rises
		01:10	Saturn Sets
		03:12	Mars Rises
		03:15	Venus Rises
		04:25	Mercury Rises
		05:31	Sunrise
		10:48	Moon Set
		20:30	Sunset
Mon	15	12:50	Moon Set
		18:15	Last Quarter Moon
		23:40	Titan's shadow on Saturn
Fri	19	04:30	Mars, Venus, cr. Moon in grouping
Sat	20	00:40	Saturn Sets
		02:55	Mars Rises
		03:05	Venus Rises
		04:20	Mercury Rises
		05:31	Sunrise
		18:37	Moon Set
		20:32	Sunset
		23:45	Jupiter Rises
Sun	21	01:45	Summer Solstice
Mon	22	15:35	New Moon
		20:50	Moon Set
Sat	27	00:15	Saturn Sets
		02:45	Mars Rises
		03:00	Venus Rises
		04:25	Mercury Rises
		05:33	Sunrise
		20:33	Sunset
		23:15	Jupiter Rises
		23:52	Moon Set
Mon	29	07:28	First Quarter Moon
		13:33	Moon Rise
Wed	Jul 1	01:31	Ganymede eclipses Io
		22:49	Titan's shadow on Saturn

Astronomical League

www.AstroLeague.org

As an ASTRA member you have a membership in the Astronomical League, which gets you the Reflector magazine, discounts on books, and Observing Awards.

OPT Reward Club

ASTRA members should start receiving their OPT Rewards Club membership cards in the mail. You don't have to do anything just use your Rewards number when you purchase your astronomy equipment from Oceanside Photo & Telescope "OPT" and receive exclusive discounts.

Items for Sale

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

You can see some samples at ASTRA meetings and ordering information for all items on our website, <http://www.astra-nj.org/ASTRA-WEAR.pdf>.

Astronomic Group Purchase, Items for Sale, or Help Wanted Advertisements: If you want to handle a Group Purchase, have Sale items, or need Help contact the President President@astra-nj.org to announce it at a meeting and send the advertisement to the newsletter (See *Newsletter* below).

Newsletter: E-mail material to Newsletter@astra-nj.org

Executive Board: **President** – Rich Brady, President@astra-nj.org; **Vice President-Secretary** – Ed Mullen, VP@astra-nj.org; **Treasurer** - Ro Spedaliere, Treasurer@astra-nj.org; **Newsletter Editor** – Allen Malsbury, Newsletter@astra-nj.org; **Webmaster** - John Endreson, Webmaster@astra-nj.org.
