GREEN BANK STAR QUEST X PROGRAM SCHEDULE

2013

http://caacwv.com/

http://greenbankstarquest.org/

	WEDNESDAY- JULY 10, 2013	
All Day	Camping	Your Site
9:00am-7:00pm	Registration	Registration Desk
9:00am-6:00pm	Vendor Area Open	Visitor Center
9:00am-6:00pm	NRAO Hourly Tours / Gift Shop	Visitor Center
10:00am-2:00pm	Welcome to Star Quest-Orientation	Registration Desk
10:00am-11:00am	Introduction To Astronomy Pam Casto-NASA	Classroom
10:00am-11:30am	Children's Activities	Star Lab Room
11:00am – 12:00pm	Sketching the Night Sky Michael Rosalina	Classroom
12:00am-1:00pm	Lunch Break	
1:00pm-2:00pm	Meteorites 101 David Holden	Classroom
1:30pm-2:30pm	Children's Activities Rocket Making Workshop Parent Required Sign Up Sheet	Star Lab Room
2:30pm	By NRAO Staff Member 40' Radio Dish Orientation #1 (sign-up sheet)	40' Dish Site
2:30pm-3:30pm	Introduction To Radio Astronomy Sue Ann Heatherly	Classroom
4:00pm-5:30pm	"It's Not the Plane, It's the Pilot" Warren Keller	Classroom
4:00pm-5:30pm	Introduction To Astrophotography Brent Maynard	Faraday Computer Lab
5:00pm-7:00pm	Dinner Break	
7:00pm-8:00pm	THE STRUCTURE OF THE MILKY WAY Dr. Loren Anderson – Keynote	Auditorium
10:00pm	Visitor Center Closed	
8:30pm-10:00pm	Astrophotography Field Session Brent Maynard	Field
11:00pm-3:00am	40' Dish Observation Sessions	40' Radio Dish
Dusk till Dawn	Observing	Your Site
BUY STAR QUEST LOGO PINS / PENS	Reminder: Please check at the registration desk for daily schedule updates / revisions and cafeteria meal forms	BUY STAR QUEST LOGO T-SHIRTS / HOODIES
Visit Vendors	*Don't forget to purchase Raffle Tickets!*	Visit Vendors

	THURSDAY- JULY 11, 2013	
All Day	Camping	Your Site
9:00am-7:00pm	Registration	Visitor Center
9:00am-6:00pm	**Vendor Area Open**	**Visitor Center**
9:00am-6:00pm	NRAO Hourly Tours / Gift Shop	Visitor Center
10:00am-2:00pm	Solar Observing (Weather Permitting)	Visitor Center
10:00am-4:00pm	Welcome to Star Quest - Orientation	Registration Desk
9:00am-10:00am	Introduction To Radio Astronomy Sue Ann Heatherly	Star Lab Room
9:30am-10:30am	Astrophotography Workshop Warren Keller	Classroom
11:00am-12:00pm	Growing Up In An Astronomy Club Caitlin Ahrens, Jeremy Bumgardner, & Stas Edel	Classroom
10:00am-11:30am	Children's Activities	Star Lab Room
11:00am	By NRAO Staff Member 40' Radio Dish Orientation #2 20 person max. (sign-up sheet)	40' Dish Site
11:00am-1:00pm	Lunch Break	
1:15pm-2:15pm	Deep Sky Image Processing Brent Maynard	Faraday Computer Lab
1:15pm-2:15pm	Children's Activities	Star Lab Room
1:30pm-2:30pm	Meteorites 101 David Holden-Sky Stones	Classroom
2:30pm	By NRAO Staff Member 40' Radio Dish Orientation #3 20 person max. (sign-up sheet)	40' Dish Site
3:00pm-4:30pm	Pam Casto	Classroom
4:00pm	High Tech Tour of the GBT Control Room (Sign-up Sheet)	Jansky Lab
5:00pm-7:00pm	Dinner Break	-
7:00pm-8:00pm	**Exploring the Nature of Matter Along the High Intensity Frontier Dr. Michelle Shinn Keynote**	**Auditorium**
8:00pm-8:30pm	Children's Rocket Launch	Field
8:30pm-10:00pm	Astrophotography Field Session Brent Maynard	Field
11:00pm-3:00am	40' Dish Observation Sessions	40' Radio Dish
Dusk till Dawn	Observing	Your Site
BUY STAR QUEST LOGO PINS / PENS	Reminder Please check at the registration desk for daily schedule updates / revisions and cafeteria meal forms	BUY STAR QUEST LOGO T-SHIRTS / HOODIES

	FRIDAY- JULY 12, 2013	
All Day	Camping	Your Site
9:00am-7:00pm	Registration	Visitor Center
9:00am-6:00pm	Vendor Area Open	Visitor Center
9:00am-6:00pm	NRAO Hourly Tours / Gift Shop	Visitor Center
9:00am-10:00am	Geology Of Mars Caitlin Ahrens	Classroom
9:00am-10:00am	Tom Crowley	Basement
10:00am-11:30am	Children's Activities	Star Lab Room
10:00am-2:00pm	Solar Observing (Weather Permitting)	Visitor Center
10:00am- 11:30am	Introduction To Astrophotography Brent Maynard	Faraday Computer Lab
10:30am-11:30	Meteorites 101 David Holden-Sky Stones	Classroom
11:00am	By NRAO Staff Member 40' Radio Dish Orientation #4 20 person max. (sign-up sheet)	40' Dish Site
11:00am-1:00pm	Lunch Break	
1:15pm-2:15pm	Modifying a DSLR For Astrophotography Brent Maynard	Faraday Computer Lab
1:30pm-2:30pm	Children's Activities	Star Lab Room
1:00pm-3:00pm	Sketching the Night Sky Michael Rosalina	Classroom
2:30pm	By NRAO Staff Member 40' Radio Dish Orientation #5 20 person max. (sign-up sheet)	40' Dish Site
3:15pm-4:45pm	Meteorites 102 David Holden	Classroom
4:00pm	High Tech Tour of the GBT Control Room (sign-up sheet)	Jansky Lab
5:00pm-7:00pm	Dinner Break	
7:00pm-8:00pm	"FOR THE WORLD HAS HOLLOWS AND I HAVE TOUCHED THE ICE" Mark "Indy" Kochte - Keynote	Auditorium
8:30pm-10:00pm	Astrophotography Field Session Brent Maynard	Field
11:00pm-3:00am	40' Dish Observation Sessions	40' Radio Dish
Dusk till Dawn	Observing	Your Site
BUY STAR QUEST LOGO PINS / BUTTONS & KEYCHAINS	Reminder Please check at the registration desk for daily schedule updates / revisions and cafeteria meal forms	BUY STAR QUEST LOGO T-SHIRTS / HOODIES

	SATURDAY- JULY 13, 2013	
SAT. 1:00am- 6:00am (NOTE TIME)	Radio Telescope Observing 40 foot dish	40 Foot Dish
All Day	Camping	Your Site
9:00am-1:00pm	Registration	Visitor Center
9:00am-6:00pm	Vendor Area Open	Visitor Center
9:00am-6:00pm	NRAO Hourly Tours / Gift Shop	Visitor Center
9:00am-10:00am	Time Lapse Photography Mark “Indy” Kochte	Classroom
10:00am-2:00pm	Solar Observing (Weather Permitting)	Visitor Center
10:00am	By NRAO Staff Member 40' Radio Dish Orientation #6 20 person max. (sign-up sheet)	40' Dish Site
10:00am- 11:00am	Growing Up In An Astronomy Club Caitlin Ahrens, Jeremy Bumgardner, & Stas Edel	Classroom
10:00am- 11:30am	Children’s Activities LEGO WE-DO	Star Lab Room
11:00am- 12:00pm	Rocket Boy Jimmy Carroll	Classroom
Visit Vendors	Don’t forget to purchase RAFFLE Tickets	Visit Vendors
11:30am–1:00pm	Lunch Break	
1:00pm	GROUP PHOTO PLEASE MEET IN THE FIELD	Field
2:15pm–3:30pm	Dark Energy Dr. Michelle Shinn	Classroom
3:30pm–4:30pm	Deep Sky Image Processing Brent Maynard	Faraday Computer Lab
3:30pm–4:30pm	Acid Etching Meteorites David Holden	Basement
5:00pm-6:00pm	MERAL Annual Meeting Library Loaner Program John Goss	Auditorium
4:00pm	High Tech Tour of the GBT Control Room (sign-up sheet)	Jansky Lab
4:30pm–5:30pm	Modifying a DSLR for Astrophotography Brent Maynard	Faraday Computer Lab
5:00pm-6:00pm	MERAL Annual Meeting Library Loaner Program John Goss	Auditorium
5:30pm–7:00pm	Dinner Break	
7:15pm–8:30pm	TOPIC Robert Naeye Editor, Sky & Telescope Keynote	Auditorium
8:30pm–10:00pm	Raffle Drawing / Certificate Awards	Auditorium

10:00pm	**Visitor Center Closed**	
Dusk till Dawn	**Observing**	**Your Site**

	SUNDAY- JULY 14, 2013	
7:00-10:30am	**Sunday Morning Breakfast** **Star Quest Activities End**	**Visitor Center**

Dr. Loren Anderson – Keynote

WEDNESDAY- JULY 10, 2013

7:00 – 8:00

BIO

Dr. Michelle Shinn – Keynote

THURSDAY- JULY 11, 2013

7:00 pm – 8:00 pm

BIO

Dr. Michelle Shinn, Chief Optical Scientist of the Free-Electron Laser Division, has been at Jefferson Lab since 1995. Jefferson Lab's Free-Electron Laser, often referred to by its acronym FEL, is created using an underground particle accelerator and the laser is directed to laboratory rooms above ground. The FEL is the world's highest-power, tunable laser.

As Chief Optical Scientist, Dr. Shinn sets the specifications and analyzes the performance of the FEL's complex optics systems. In addition, she has led design, procurement, and installation activities for upgrades to the Free-Electron Laser. She also collaborates with other scientists who use the FEL, and in particular, pursues her own research on laser applications, as well as on the laser-induced damage of optical components.

Before coming to Jefferson Lab, she was a physicist in the Laser Division at Lawrence Livermore National Lab (1984-1990), and Associate Professor of Physics at Bryn Mawr College (1990-1995).

Recently, Dr. Shinn was named a Fellow of the American Physical Society in recognition of her contributions to the application of lasers in society. In her free time, she enjoys time spent outdoors as an amateur astronomer, birdwatcher and beekeeper.

MARK “INDY” KOCHTE

FRIDAY- JULY 12, 2013

7:00 pm – 8:00 pm

BIO

*Knowing that astronomy and space exploration was in his future during the first week of his 8th grade Earth Science classes, Mark ‘Indy’ Kochte went on to obtain a degree in astronomy from The Ohio State University in 1987.

In 1988 he joined the Hubble Space Telescope project at the Space Telescope Science Institute in Baltimore, Maryland, doing the acquisition, processing, and archiving of Hubble data. During his time with the project Indy was afforded the opportunity to do research on extrasolar planets, and helped define the evidence of an atmosphere around the first known transiting planet in the star system HD 209458b. He also was heavily involved in the grassroots project UMBRAS, a spacecraft design that would enable space telescopes to actually visually detect extrasolar planets the size of Jupiter or Saturn. After 17 years with Hubble, Indy moved on to the Far Ultraviolet Spectroscopic Explorer project (FUSE) as a Mission Planner, taking on the immense challenges of how to deal with a satellite that has only one remaining reaction wheel. In the fall of 2006 he was offered the opportunity to join the MESSENGER team at the Johns Hopkins University Applied Physics Lab as a Payload Operations Specialist for the Mercury Atmospheric and Surface Composition Spectrometer instrument (MASCS). Since joining the Mission he supported two successful flybys of Venus and three exciting flybys of Mercury during the Cruise Operations of the spacecraft.

In March 2011 Indy and the rest of the team transitioned to Mercury Orbital Operations when MESSENGER became the first ever spacecraft to orbit the planet Mercury. Recently he took on the role of Mission Planner, and his duties have expanded from not only generating the command sequences for the MASCS instrument, but for generating the weekly command loads of daily activities for the spacecraft as a whole. Throughout his tenure in space mission operations Indy has published a half a dozen papers on space mission design and mission operations, as well as co-authored a half a dozen additional papers on space mission design and science analysis results.

Not being an all-work/no-play kinda guy, in his spare time when not staring at the stars, Indy can be found out exploring our planet. In addition to having authored the rock climbing guidebook “Climb Maryland!”, he is often out scaling cliffs from Maryland to Thailand, mapping cave systems in West Virginia, mountain climbing in Colorado, California and Washington, diving for fossilized Megalodon shark teeth (or to just look at the pretty fish) in the Atlantic or Caribbean, working on various time-lapse and astro-lapse photography projects, or generally capturing moments in time by photographing the world we live in. No moss gathers under his feet!

ROBERT NAEYE

SATURDAY- JULY 13, 2013

7:00 pm – 8:00 pm

BIO

Robert Naeye is Editor in Chief of Sky & Telescope, the world's most respected and influential popular astronomy magazine. Robert earned a master's degree in science journalism from Boston University in 1992, and later worked on the editorial staffs of Discover and Astronomy magazine. He served as Editor in Chief of Mercury magazine (published by the Astronomical Society of the Pacific) from 2000 to 2003. He worked as a Senior Editor at Sky & Telescope from 2003 to 2007, before moving to NASA's Goddard Space Flight Center to work as a Senior Science Writer for the Astrophysics Science Division. He returned to Sky & Telescope in June 2008 to serve as Editor in Chief.

Robert is the author of two books: Through the Eyes of Hubble: The Birth, Life, and Violent Death of Stars (Kalmbach, 1997) and Signals from Space: The Chandra X-ray Observatory (Turnstone, 2000). He has contributed to two other books, and has won several awards for his writing and outreach activities.

NOTES

NOTES