

## PROGRAM SCHEDULE FOR STAR QUEST 2008

<b>WHEN</b>	<b>WHAT</b>	<b>WHERE</b>
<b>WEDNESDAY- JULY 2, 2008</b>		
<b>All Day</b>	<b>Camping</b>	<b>Your Site</b>
<b>9:00am-7:00pm</b>	<b>Registration</b>	<b>Visitor Center</b>
<b>10:00am-5:00pm</b>	<b>Vendor Area Open</b>	<b>Visitor Center</b>
<b>10:00am</b>	<b>Welcome to Star Quest-Orientation</b>	<b>Outside of Registration Desk</b>
<b>9:00am-6:00pm</b>	<b>NRAO Hourly Tours / Gift Shop</b>	<b>Visitor Center</b>
<b>10:00am-11:30am</b>	<b>Children's Activities 6<sup>th</sup> grade and younger Can You Planet?</b>	<b>Visitor Center Star Lab Room</b>
<b>10:30am – 11:30am</b>	<b>“Learning About the Nearest Star” Prof. John Littleton WVU Theoretical Astrophysicist</b>	<b>Classroom</b>
<b>11:00am-1:00pm</b>	<b>Lunch Break</b>	
<b>1:00pm – 2:00pm</b>	<b>Introduction To Radio Astronomy Sue Ann Heatherly</b>	<b>Classroom</b>
<b>1:30pm-2:15pm</b>	<b>Children's Activities 6<sup>th</sup> grade and younger Twinkle, Twinkle Little Star</b>	<b>Visitor Center Star Lab Room</b>
<b>2:15pm-3:00pm</b>	<b>Star Lab: Introduction to the Night Sky and Constellation Activities</b>	<b>Visitor Center Star Lab Room</b>
<b>2:15pm-3:15pm</b>	<b>“First Steps in Astrophotography” Stas Edel Central Appalachian Astronomy Club</b>	<b>Faraday Computer Lab</b>
<b>2:30pm</b>	<b>Tom Crowley 40' Radio Dish Orientation #1 (sign-up sheet)</b>	<b>40' Dish Site</b>
<b>3:00pm-5:00pm</b>	<b>Jimmy O'Dell Carroll Original “October Sky” Rocket Boy Teen Science Activities</b>	<b>Lower Level Visitor Center</b>
<b>3:30pm-4:30pm</b>	<b>“The Biggest Bangs since the Big Bang: Gamma Ray Bursts” Prof. John Littleton WVU Theoretical Astrophysicist</b>	<b>Classroom</b>
<b>3:30pm-5:00pm</b>	<b>Beginning WebCam Imaging Introduction to Digital Imaging Using Unconventional Techniques Brent Maynard</b>	<b>Faraday Computer Lab</b>
<b>5:00pm-7:00pm</b>	<b>Dinner Break</b>	

<b>7:15pm-8:15pm</b>	<b>"Pull the Universe Out of Your Pocket" Wednesday Keynote Speaker Marni Berendsen Night Sky Network</b>	<b>Visitor Center Auditorium</b>
<b>8:30pm-9:30pm</b>	<b>"Seeing In The Dark" PBS Movie on Amateur Astronomy And IMAX "Space Station" NASA / Lockheed Video</b>	<b>Visitor Center Auditorium</b>
<b>10:00pm</b>	<b>Visitor Center Closed</b>	
<b>Dusk till Dawn</b>	<b>Observing</b>	<b>Your Site</b>
<b>BUY STAR QUEST LOGO PINS / BUTTONS</b>	<b>Reminder Please check at the registration desk for daily schedule updates/ revisions and cafeteria meal forms</b>	<b>BUY STAR QUEST LOGO T-SHIRTS / HATS</b>
<b>Visit Vendors</b>	<b>Don't forget to purchase Raffle Tickets!</b>	<b>Visit Vendors</b>

<b>THURSDAY- JULY 3, 2008</b>		
<b>All Day</b>	<b>Camping</b>	<b>Your Site</b>
<b>9:00am-7:00pm</b>	<b>Registration</b>	<b>Visitor Center</b>
<b>10:00am-5:00pm</b>	<b>Vendor Area Open</b>	<b>Visitor Center</b>
<b>10:00am-4:00pm</b>	<b>Solar Observing (Weather Permitting) NASA Multimedia Bus at Visitor Center</b>	<b>Visitor Center Observation Deck</b>
	<b>Welcome to Star Quest - Orientation</b>	<b>Outside of Registration Desk</b>
<b>10:00am-11:30am</b>	<b>Children's Activities Night Sky Network - Kit Activity Meet Night Sky Networks' Marni Berendsen</b>	<b>Visitor Center Star Lab Room</b>
<b>9:00am-6:00pm</b>	<b>NRAO Hourly Tours / Gift Shop</b>	<b>Visitor Center</b>
<b>9:30pm-11:30am</b>	<b>Beginning WebCam Imaging Introduction to Digital Imaging Using Unconventional Techniques Brent Maynard</b>	<b>Faraday Computer Lab</b>
<b>10:00am - 11:00am</b>	<b>Introduction To Radio Astronomy Sue Ann Heatherly</b>	<b>Classroom</b>
<b>11:00am</b>	<b>"NASA: Its Past, Its Present, Its Future" Robert Dutilly NASA (Retired)</b>	<b>Classroom</b>
<b>12:00pm-1:00pm</b>	<b>Lunch Break</b>	

<b>1:15pm</b>	<b>Tom Crowley 40' Radio Dish Orientation #2 20 person max. (sign-up sheet)</b>	<b>40' Dish Site</b>
<b>1:00pm-2:00pm</b>	<b>"Almost Colorless – History and Development Of the Achromatic Objective" Robert Royce R.F. Royce – Precision Optical Components</b>	<b>Classroom</b>
<b>1:30pm-3:00pm</b>	<b>Children's Activities Night Sky Network - Kit Activity Meet Night Sky Network Marni Berendsen</b>	<b>Visitor Center Star Lab Room</b>
<b>2:30pm-3:30pm</b>	<b>"SOHO: New Views of the Sun" Robert Dutilly NASA (Retired)</b>	<b>Classroom</b>
<b>2:30pm</b>	<b>Tom Crowley 40' Radio Dish Orientation #3 20 person max. (sign-up sheet)</b>	<b>40' Dish Site</b>
<b>3:30pm-5:00pm</b>	<b>Intermediate WebCam Imaging 102 DSLR Imaging Techniques Brent Maynard</b>	<b>Faraday Computer Lab</b>
<b>4:00pm-4:45pm</b>	<b>"What Are Constellations?" Jeremy Bumgardner Central Appalachian Astronomy Club</b>	<b>Classroom</b>
<b>4:00pm</b>	<b>High Tech Tour of the GBT Control Room</b>	<b>Jansky Lab</b>
<b>5:00pm-7:00pm</b>	<b>Dinner Break</b>	
<b>7:15pm-8:15pm</b>	<b>Keynote Speaker Amy Lovell "Small in Size, Large in Numbers" "A New View of Comets and Asteroids"</b>	<b>Visitor Center Auditorium</b>
<b>9:30pm-11:00pm</b>	<b>1950's Sci-Fi Movie Serial "King of the Rocket Men"</b>	<b>Visitor Center Auditorium</b>
<b>11:00pm-3:00am (Tentative) Jupiter Weather</b>	<b>Telecon w/ Dr. Jim Thieman (Tentative) NASA - Greenbelt Space Flight Center A Study of Storms on Jupiter</b>	<b>Faraday Computer Lab</b>
<b>Dusk till Dawn</b>	<b>Observing</b>	<b>Your Site</b>

	<b>FRIDAY- JULY 4, 2008</b>	
<b>All Day</b>	<b>Camping</b>	<b>Your Site</b>
<b>9:00am-7:00pm</b>	<b>Registration</b>	<b>Visitor Center</b>
<b>9:00am-6:00pm</b>	<b>NRAO Hourly Tours / Gift Shop</b>	<b>Visitor Center</b>
<b>9:30am – 10:30am</b>	<b>Introduction To Radio Astronomy Sue Ann Heatherly</b>	<b>Classroom</b>
<b>10:00am-5:00pm</b>	<b>Vendor Area Open</b>	<b>Lower Level Visitor Center</b>
<b>10:00am-10:45am</b>	<b>Children's Activities Star Lab Activity</b>	<b>Visitor Center Star Lab Room</b>

<b>10:00am-4:00pm</b>	<b>Solar Observing (Weather Permitting) NASA Multimedia Bus at Visitor Center</b>	<b>Visitor Center</b>
<b>9:30am-10:30am</b>	<b>“Making Your Own Newtonian – Tubes, Spiders and Secondary Holders” Robert Royce R.F. Royce – Precision Optical Components</b>	<b>Classroom</b>
<b>10:45am-11:45am</b>	<b>“Learning About the Nearest Star” Prof. John Littleton WVU Theoretical Astrophysicist</b>	<b>Classroom</b>
<b>11:00am</b>	<b>Tom Crowley 40' Radio Dish Orientation #4 20 person max. (sign-up sheet)</b>	<b>40' Dish Site</b>
<b>11:00am-1:00pm</b>	<b>Lunch Break</b>	
<b>1:00pm-2:30pm</b>	<b>Intermediate WebCam Imaging 102 DSLR Imaging Techniques Brent Maynard</b>	<b>Faraday Computer Lab</b>
<b>1:30pm-2:30pm</b>	<b>Children's Activities Night Sky Kit Activity</b>	<b>Visitor Center Star Lab Room</b>
<b>1:00pm-2:00pm</b>	<b>“Prometheus Bound: NASA's Return Mission to Mercury” Mark “Indy” Kochte Project Messenger Payload Specialist</b>	<b>Classroom</b>
<b>2:30pm-3:30pm</b>	<b>“Cutting Edge Science – current research on the origin of Dark Matter” Dr. Michelle Shinn Chief Optical Scientist - Jefferson Lab</b>	<b>Classroom</b>
<b>2:30pm</b>	<b>Tom Crowley 40' Radio Dish Orientation #5 20 person max. (sign-up sheet)</b>	<b>40' Dish Site</b>
<b>3:00pm-5:00pm</b>	<b>Jimmy O'Dell Carroll Original “October Sky” Rocket Boy Teen Science Activities</b>	<b>Lower Level Visitor Center</b>
<b>4:00pm-5:00pm</b>	<b>Listening to Storms on Jupiter Dr. Jim Thieman Radio Jove Kit / Network</b>	<b>Classroom</b>
<b>4:00pm</b>	<b>High Tech Tour of the GBT Control Room</b>	<b>Jansky Lab</b>
<b>5:00pm-7:00pm</b>	<b>Dinner Break</b>	
<b>7:15pm-8:15pm</b>	<b>“Pulsars – Timekeepers of the Cosmos” Friday Keynote Speaker Dr. Duncan Lorimer WVU Astrophysics</b>	<b>Visitor Center Auditorium</b>
<b>8:30pm-10:00pm</b>	<b>Special Movie “Rocket Man”</b>	<b>Visitor Center Auditorium</b>
<b>Dusk till Dawn</b>	<b>Observing</b>	<b>Your Site</b>

<b>SATURDAY- JULY 5, 2008</b>		
<b>SAT. 1:00am-6:00am (NOTE TIME)</b>	<b>Radio Telescope Observing 40 foot dish</b>	<b>40 Foot Dish</b>
<b>All Day</b>	<b>Camping</b>	<b>Your Site</b>
<b>9:00am-1:00pm</b>	<b>Registration NASA Multimedia Bus at Visitor Center</b>	<b>Visitor Center</b>
<b>10:00am-5:30pm</b>	<b>Vendor Area Open</b>	<b>Visitor Center</b>
<b>9:00am-10:00am</b>	<b>Dr. Andrew Clegg National Science Foundation</b>	<b>Classroom</b>
<b>9:00am-11:00am</b>	<b>Jimmy O'Dell Carroll Original "October Sky" Rocket Boy Teen Science Activities</b>	<b>Lower Level Visitor Center</b>
<b>9:00am-10:30am</b>	<b>Advanced Webcam Astrophotography 103 DSLR Image Processing Software and Techniques (Low Cost Options) Brent Maynard</b>	<b>Faraday Computer Lab</b>
<b>9:00am-6:00pm</b>	<b>NRAO Hourly Tours / Gift Shop</b>	<b>Visitor Center</b>
<b>9:00am-Noon</b>	<b>SWAP MEET (In Visitor Center Lower Level)</b>	<b>Visitor Center Basement</b>
<b>10:30am-4:30pm</b>	<b>Observation of Cosmic Rays with a Cloud Chamber Joe Zambelli – Presentations (11-3-4)</b>	<b>Faraday Computer Lab</b>
<b>10:00am-4:00pm</b>	<b>Solar Observing (Weather Permitting)</b>	<b>Visitor Center</b>
<b>10:00am</b>	<b>Tom Crowley 40' Radio Dish Orientation #6 20 person max. (sign-up sheet)</b>	<b>40' Dish Site</b>
<b>10:00am-11:00am</b>	<b>Children's Activities Constellation Station II</b>	<b>Visitor Center Star Lab Room</b>
<b>10:30am-11:30am</b>	<b>"Cutting Edge Science – current research on the origin of Dark Matter" Dr. Michelle Shinn Chief Optical Scientist - Jefferson Lab</b>	<b>Classroom</b>
<b>11:00am</b>	<b>Deadline for Sketching Contest Entries</b>	<b>Registration Desk</b>
<b>Visit Vendors</b>	<b>Don't forget to purchase RAFFLE Tickets</b>	<b>Visit Vendors</b>

<b>11:00am-12:30pm</b>	<b>Lunch Break</b>	
<b>1:00pm-2:00pm</b>	<b>“Prometheus Bound: NASA’s Return Mission to Mercury” Mark “Indy” Kochte Project Messenger Payload Specialist</b>	<b>Classroom</b>
<b>1:00pm-2:30pm</b>	<b>Advanced Webcam Astrophotography 103 DSLR Image Processing Software and Techniques (Low Cost Options) Brent Maynard</b>	<b>Faraday Computer Lab</b>
<b>2:30pm-3:30pm</b>	<b>“The Biggest Bangs since the Big Bang: Gamma Ray Bursts” Prof. John Littleton WVU Theoretical Astrophysicist</b>	<b>Classroom</b>
<b>3:30pm</b>	<b>Sketching Contest Display and Awards</b>	<b>Visitor Center</b>
<b>4:00pm</b>	<b>High Tech Tour of the GBT Control Room</b>	<b>Jansky Lab</b>
<b>4:00pm-5:00pm</b>	<b>“SOHO: New Views of the Sun” Robert Dutilly NASA (Retired)</b>	<b>Classroom</b>
<b>5:30pm-7:00pm</b>	<b>Dinner Break</b>	
<b>7:15pm-8:30pm</b>	<b>“Roaming Mars – A Personal Perspective” Star Quest Keynote Speaker Scott G. Lever Mars Rover Tactical Uplink Lead Engineer Jet Propulsion Laboratory A 3D Mars Rover Presentation</b>	<b>Visitor Center Auditorium</b>
<b>8:45pm-10:15pm</b>	<b>Raffle Drawing / Certificate Awards (Movie “Contact” after drawing if inclement weather)</b>	<b>Visitor Center Auditorium</b>
<b>10:00pm</b>	<b>Visitor Center Closed</b>	
<b>Dusk till Dawn</b>	<b>Observing</b>	<b>Your Site</b>
<b>SUNDAY- JULY 6, 2008</b>		
<b>7:00-10:30am</b>	<b>Sunday Morning Breakfast Star Quest Activities End</b>	<b>Visitor Center</b>