

THURSDAY

RTMC opens Noon Thursday to those who want to setup early or get some extended camping and observing.

RTMC

ASTRONOMY EXPO

2017 Schedule of Events

FRIDAY

Sunrise **VENDOR SALES BEGIN** // Some may still be setting up.

- **11:30 to 2:00 LUNCH / 4:30 to 6:00 DINNER** // Selection available at the outside Cantina at the back of the Main Hall. Cash only, \$4-\$10. And, there is a **Snack Bar** near the **Pool**.

1 to 4 ★ **REGISTRATIONS** ★ Telescope Merit Awards // Astro Images Awards
At the Info Booth and the Image Booth, respectively—both in front of the Main Hall // Registration resumes Saturday, 8:30–Noon for scopes & until 10 for images.

7:00 **HOW TO PHOTOGRAPH THE 2017 TOTAL SOLAR ECLIPSE**
// Dr. Fred Espenak // Main Hall

8:00+ **EVENING PROGRAM** // Starts at Main Hall — See sidebar at right ▶
// Includes *your* Show & Tell of image(s), short movie or PowerPoint—5 minute limit.

SATURDAY

Dawn+ ★ **SWAP MEET** ★ to 1:00 // Outside in front of Main Hall

- **7:30 BREAKFAST** // Selection available until 9:30 at the outside Cantina—back of the Main Hall. Cash only, \$2-\$6.

8:30+ ★ **REGISTRATIONS** ★ Telescope Merit Awards (to Noon) // Astro Images Awards (to 10)
At the Info Booth and the Image Booth (tents), respectively—both in front of the Main Hall

9:00 **OPENING REMARKS / ANNOUNCEMENTS** // Main Hall

9:00 to 10:30 **BEGINNER'S TALK: TELESCOPES: REFRACTORS, REFLECTORS & CATADIOPTRICS**
// Bill Patton // Bose Lodge

10:00 **MOUNT WILSON OBSERVATORY** // Tim Thompson // Main Hall

10:00 **DSLR ASTRO-IMAGING, GETTING STARTED, WHAT TO EXPECT**
// Alan B. Gorski // Annex

10:00+ ★ **ASTRO IMAGE VOTING** ★ VOTE until 3 PM • *Please stop in and vote!*
// Image Booth (tent) in front of the Main Hall // Awards Saturday Night

10:30 to Noon **BEGINNER'S TALK: EXPLORING THE UNIVERSE WITH BINOCULARS**
// Matt Wedel // Bose Lodge

11:00 **RASPBERRY Pi FOR AMATEUR ASTRONOMY** // Jon Philpott // Main Hall

11:00 **EXPANDING PUBLIC OUTREACH IN THE OZARKS** // Jim & Ginny Stroger // Annex

- **11:30 to 2:00 LUNCH** // Selection available at the outside Cantina—back of the Main Hall. Cash only, \$4-\$7. And, there is a **Snack Bar** near the **Pool**.

1:00 **OBSERVING THE ECLIPSE FROM THE EDGE** // David Dunham // Main Hall

1:00 **NEWSLETTER IDEAS** // Alex McConahay // Annex

1:00 to 2:30 **BEGINNER'S TALK: EYEPIECES EXPLAINED** // Joe Jakoby // Bose Lodge

1:15 **CHILDREN'S FUN: WALK THE SOLAR SYSTEM** // Ken Graun // Meet in front of Bose Lodge

2:00 **SCIENTIFIC SEARCH FOR EXTRATERRESTRIAL LIFE**
// Dr. Mario De Leo-Winkler // Main Hall

2:00 **OUTREACH EFFORTS** // Alex McConahay // Annex

2:30 to 3:30 **BEGINNER'S TALK: SELECTION AND USE OF FILTERS FOR BEGINNERS**
// Paul Livio // Bose Lodge

3:00 **2017 ECLIPSE WORKSHOP** // Espenak, Dunham, Edberg, Stephens, Wong // Main Hall

3:30 to 4:30 **BEGINNER'S TALK: MAKING A REFLECTOR TELESCOPE** // Ken Graun // Bose Lodge

- **4:30 to 6:00 DINNER** // Selection available at the outside Cantina—back of the Main Hall. Cash only, \$6-\$10.

6:00+ **EVENING PROGRAM** // Starts at Main Hall — See sidebar at right ▶

SUNDAY

Dawn+ ★ **SWAP MEET** ★ to 1:00 // Outside in front of Main Hall

- **7:30 BREAKFAST** // Selection available until 9:30 at the outside Cantina—back of the Main Hall. Cash only, \$2-\$6.

8:30 to 9:45 **WAA BOARD MEETING** // Bose Lodge

9:00 ★ **CHURCH SERVICES** ★ (Nondenomination) // Outdoor Chapel north of Bose Lodge
// In case of inclement weather, go to the Annex room inside the Main Hall building.

10:00+ **PREMIUM ASTRO-IMAGING WORKSHOP with Josh Smith**
● Additional fee applies. First 50 to register—at RAS booth or at door.
● 10AM to 4PM with lunch break ● Annex room inside of the Main Hall building

10:00 **OBSERVING THE SCALE OF THE COSMOS** // Dr. Matt Wedel // Main Hall

10:15 to 11:30 **BEGINNER'S TALK: CHARLES MESSIER AND HIS OBJECTS** // Ken Graun // Bose Lodge

11:00 **WHISPERS FROM THE DARK UNIVERSE: THE DISCOVERY OF GRAVITATIONAL WAVES** // Dr. Gabriele Vajente // Main Hall

- **11:30 to 2:00 LUNCH** // Selection available at the outside Cantina—back of the Main Hall. Cash only, \$4-\$7. And, there is a **Snack Bar** near the **Pool**.

1:00 **CONTRIBUTIONS OF WOMEN IN SCIENCE & ASTRONOMY** // Tim Thompson // Main Hall

1:00 to 2:30 **BEGINNER'S TALK: TELESCOPE & EYEPIECE OVERVIEW** // Joe Jakoby // Bose Lodge

1:15 **CHILDREN'S FUN: WALK THE SOLAR SYSTEM** // Ken Graun // Meet in front of Bose Lodge

2:00 **THE AAVSO SUPPORTING CITIZEN ASTRONOMY** // Charles Morris // Main Hall

2:30 to 3:30 **BEGINNER'S TALK: HISTORY AND DEVELOPMENT OF THE REFRACTOR TELESCOPE**
// Martin Carey // Bose Lodge

3:00 **CHOOSING & VIEWING: A THINKING OBSERVER'S GUIDE TO ECLIPSE SITE SELECTION AND OBSERVATIONS** // Steve Edberg // Main Hall

3:30 **CHILDREN'S FUN: DESSERTS AND DOOR PRIZES OF THE UNIVERSE** // Bose Lodge

4:00 **NASA PILOT OF THE STRATOSPHERIC OBSERVATORY FOR INFARED ASTRONOMY (SOFIA) AIRCRAFT** // Manny Antimisiaris // Main Hall

- **4:30 to 6:00 DINNER** // Selection available at the outside Cantina—back of the Main Hall. Cash only, \$6-\$10.

6:00+ **EVENING PROGRAM** // Starts at Main Hall — See sidebar at right ▶

MONDAY

- **7:00 to 8:30 BREAKFAST** // Available at the Cantina back of the Main Hall.

◆ **TEAR DOWN AND CLEAN UP.** *Please* police your own area. Have a safe trip home. See you next year!

Friday Evening Events

■ Beginning at 7:00 PM ■

Photographing the Eclipse

Main Hall, Dr. Espenak, starts at 7



Announcements / Show & Tell

Main Hall, starts at 8



A Tour of the Constellations in the

Night Sky begins at 8:30 PM (family oriented)

at the Outdoor Chapel north of Bose Lodge.



Star Party Enjoy viewing through telescopes throughout the grounds, especially those located in the Telescope Field and the Grassy Area across from Bose Lodge—just ask a scope owner for a view!



Please, no white lights or white flashlights.
RED FLASHLIGHTS ONLY.
Red cellophane available at Info Booth.

SUNSET
at 7:52 PM
SUNRISE
at 5:37 AM

Saturday Evening Events

■ Beginning at 6:00 PM ■

Festival of Announcements

at the Main Hall, including **DOOR PRIZES**.

◆ Telescope Merit Awards ◆

◆ Astro Imaging Awards ◆

◆ Clifford W. Holmes Award ◆

◆ G. Bruce Blair Medal ◆

◆ Warren Estes Memorial Award ◆

Sit inside the Main Hall or bring your chairs to sit out front. **TICKETS** for DOOR PRIZES distributed during announcements.

You *must* be present in and around the Main Hall to win DOOR PRIZES.



KEYNOTE SPEAKER

Dr. Fred Espenak will talk Eclipses!

Begins shortly after all the announcements and awards at the Main Hall.



A Tour of the Constellations in the Night Sky

begins at 8:30 PM (or after the Keynote Speaker) at the Outdoor Chapel north of Bose Lodge—family oriented.



Star Party!

Enjoy viewing through telescopes throughout the grounds, especially those located at the Telescope Field and the Grassy Area across from Bose Lodge. Almost everyone will share a view through their scope—just ask.



Beginner's Corner Star Party

in front of Bose Lodge. Hosted by the San Bernardino Valley Amateur Astronomers. Two 12-inch scopes!



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Red cellophane available at Info Booth.

Sunday Evening Events

■ Beginning at 6:00 PM ■

Festival of Announcements

at the Main Hall, including **DOOR PRIZES**.

Sit inside the Main Hall or bring your chairs to sit out front. **TICKETS** for DOOR PRIZES distributed during announcements. You *must* be present in and around the Main Hall to win DOOR PRIZES.



Star Party

Enjoy viewing through telescopes throughout the grounds, especially those located at the Telescope Field and the Grassy Area across from Bose Lodge. Almost everyone will share a view through their scope—just ask.



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Astro Image
Voting
to 3 PM
TENT IN FRONT OF
MAIN HALL

See
Family & Children
activities on the
reverse side