

May 2019

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TUCSON AMATEUR ASTRONOMY ASSOCIATION

Monthly Events Bulletin

May 3rd General Meeting

Kuiper Building Lecture Hall, Rm 308, UA Campus, 1629 E University Blvd

Location Change for May General Meeting

Meet in Kuiper Building 3rd floor Lecture Hall, Rm 308, 1629 E University Blvd

Introductory Presentation

6:30pm

*ELECTIONS and Cassiopeia
Observatory
presented by
Michael Weasner*

This will be a membership meeting starting with an observatory presentation at 6:30 P.M. by Michael Weasner about the Cassiopeia Observatory* that he built and runs.

Following it will be an internal business and elections meeting.

*There is an Open House at Cassiopeia Observatory for TAAA-members-only on Saturday, May 4th, at 10 A.M. Details at meeting.

Invited Lecture

7:30pm

*Highlights of the OSIRIS Rex
Mission
presented by
Dolores Hill, Senior Research
Specialist, LPL*

Dolores Hill, Senior Research Specialist at Lunar & Planetary Laboratory will present highlights of the OSIRIS REX spacecraft's arrival at near-Earth asteroid Bennu, including some exciting discoveries. included.

Inside this Bulletin

CAC Star Party
May 3 & 4

TIMPA Star Party
May 4 & 31

TAAA BoD Meeting
May 8

AFSIG Meeting
May 9

Ladies Night Out
May 16

SIMSIG Meeting
May 20

AISIG Meeting
May 21

TAAA Elections

Seven Board positions and 2 NVRC positions will be selected at the May meeting. Ballots will be given to members starting before the 6:30 meeting and continuing into the beginning of the 7:30 meeting.

CANDIDATES FOR BOARD OF DIRECTORS

President:	Mae Smith
Vice President:	John Mead
Secretary:	Chuck Hendricks
Treasurer:	Mike McDowell
Member at Large: (Vote for 3)	Ed Foley Shawn Herman Ralph Means Doug Smith

NVRC (2):	Ben Bailey David Rossetter
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Candidates may be added to the ballot at the meeting with written approval.

Upcoming Activities

This Month's Events

Key:	TAAA Members Only	For Organization	Public Events
Outreach Solar Party West Tucson Jim Knoll	May 1 (Wed) Cooper Center (Borton Elem) 5403 W Trails End Rd	7:30 PM	
Outreach Solar Party West Tucson Jim Knoll	May 2 (Thu) Cooper Center (Borton Elem) 5403 W Trails End Rd	7:30 PM	
Outreach Solar Party NE Tucson Jim Knoll	May 2 (Thu) Ventana Vista Elementary @ Whispering Pines Camp MP 20, Mt Lemmon Hwy	7:00 PM	
Outreach Solar Party West Tucson Jim Knoll	May 3 (Fri) Cooper Center (Mansfield) 5403 W Trails End Rd	7:30 PM	
Outreach Star Party CAC, Pearce AZ Jim Knoll	May 3 (Fri) Catalina High School @ CAC 9313 E Perseus Way	7:30 PM	
General Meeting Mae Smith	May 3 (Fri) Steward Observatory 933 N Cherry	6:30 PM	
CAC Star Party Mike McDowell	May 3/4 (Fri/Sat) CAC 9313 E Perseus Way	Sunset	
TIMPA Star Party Dennis McMacken	May 4 (Sat) TIMPA 3250 N Reservation Rd	Sunset	
Public Star Party NE Tucson Jim Knoll	May 4 (Sat) Agua Caliente Park 12325 E Roger Rd	7:30 PM	
Outreach Event East Tucson Jim Knoll	May 4 (Sat) DM AFB Club Ironwood 4555 Ironwood, DM AFB	5:30 PM	
Outreach Star Party NW Tucson Jim Knoll	May 4 (Sat) Sanctuary Cove 8001 N Scenic Dr	7:30 PM	
Outreach Star Party West Tucson Jim Knoll	May 6 (Mon) Cooper Center (CE Rose) 5403 W Trails End Rd	7:30 PM	
Outreach Solar Party Oro Valley Jim Knoll	May 6 (Mon) Wilson K-8 2330 W Glover Rd	7:30 PM	
Outreach Star Party West Tucson Jim Knoll	May 9 (Thu) Cooper Center (TUSD Ex- ceptional-Visually Impaired) 5403 W Trails End Rd	7:30 PM	
Outreach Solar Party East Tucson Jim Knoll	May 8 (Wed) Borman Elementary @ DM 6630 Lightening Dr	4:00 PM	
Outreach Solar Party Oro Valley Jim Knoll	May 9 (Thu) Oro Valley Library 1305 W Naranja	4:30 PM	
Outreach Star Party West Tucson Jim Knoll	May 9 (Thu) Cooper Center (McCorkle) 5403 W Trails End Rd	7:30 PM	
AFSIG Meeting (Beginners) Connor Justice	May 9 (Thu) UA Education North Building, Room 110 1501 E Speedway Blvd	6:30 PM	

This Month's Events Cont.

Outreach Star Party CAC, Pearce AZ Jim Knoll	May 11 (Sat) Evening Under the Stars— Astronomy Day @ CAC 9313 E Perseus Way	7:00 PM
Outreach Star Party NE Tucson Jim Knoll	May 11 (Sat) Circle Tree Ranch — Astronomy Day 10500 E Tanque Verde Rd	7:30 PM
Ladies Night Out Susan O'Connor	May 16 (Thu) Union Public House 4340 N Campbell Ave	6:30 PM
Outreach Star Party East Tucson Jim Knoll	May 18 (Sat) Desert Christian HS 9415 E Wrightstown Rd	7:30 PM
Outreach Star Party Central Tucson Jim Knoll	May 18 (Sat) Flandrau Science Center 1601 E University Blvd	7:30 PM
SIMSIG Terri Lappin	May 20 (Mon) Native Grill and Wings 3100 E Speedway Blvd	6:30 PM
AISIG Tom Rolfsmeyer	May 21 (Tue) Total Wine and More 4370 N Oracle Rd	7:00 PM
Outreach Star Party Far West Tucson Jim Knoll	May 25 (Sat) Sonoran Desert Museum 2021 N Kinney Rd	7:00 PM

June Member Events

Jun 7 (Fri)	General Meeting
Jun 12 (Wed)	Board Meeting
Jun 13 (Thu)	AFSIG Meeting
Jun 20 (Thu)	Ladies Night Out

June Outreach Events

Jun 22—Jun 29	Grand Canyon Star Party (GCSP)
Jun 22 (Sat)	Desert Museum
Jun 27 (Thu)	Lehman Academy
Jun 29 (Sat)	Sycamore HOA

TAAA Ladies Night Out

Thursday, May 16

Great Conversation! 6:30 pm Delicious Food!

Union Public House

4340 N Campbell Ave

(SE corner of N Campbell and E River)

Preview menu at <http://uniontucson.com>

RSVP Susan @ cyzeh@aol.com

Special Interest Group (SIG) Activities

Astro-Imaging SIG (AISIG)

Meeting: May 21 (Tue) 7:00 PM

Location: Total Wine and More (4370 N Oracle)
Contact: Tom Rolfsmeyer
Group email: astro-photo[at]tucsonastronomy.org
Leader email: mrolf@earthlink.net

If you are interested in astro-imaging, in being involved in planning, or in learning about it, please participate in these meetings. To assist with AISIG planning and organization, contact Tom Rolfsmeyer.

Astronomy Fundamentals SIG (AFSIG)

Meeting: May 9 (Thu) 7:00 PM

UA Education North Building, Room 110 (1501 E Speedway)
Contact: Connor Justice
Group email: fundamentals[at]tucsonastronomy.org,
Leader email: elliot.c.justice[at]gmail.com

Come join us for a presentation from the fundamentals of amateur astronomy. Doug Smith will start the night with a talk about the southern constellations Dorado and Mensa. For our main topic, Gus Gomez will be discussing The Caldwell Catalog.

The AFSIG is looking for people to present future “**Constellation of the Month**”, whether it is an old favorite or a constellation you would like to learn more about. Also, do you have a topic that would help us become better or more knowledgeable observers? Present it at the AFSIG. Let Connor know, so we can schedule you in. Is there a topic you would like to hear about or do you to present but need help finding a topic? Shoot us an email at fundamentals[at]tucsonastronomy.org

The AFSIG is for all TAAA members who want to learn about and share the multiple aspects of the hobby. It is not just for beginners or new members, though, of course, it is one of the best way for them to learn about the club and hobby. Please come and share in the fun, whether to learn something new or share some hard won knowledge.

Room: To locate the entrance to Room 110, go to the North side of the building and there is a driveway between the Education North Building and the Helen S. Schaefer Building. The outside entrance to Room 110 is the MIDDLE of three entrances. The door should be propped open for the meeting. However, if it is closed just bang on the door.

Parking: Zone 1 parking around the building is free after 5:00pm. There is a lot behind the building, street parking, and a large parking lot across the street. There is also a parking garage one block north of Vine and Helen, however, fees may be required.

Accessibility: The entrance, classroom and restrooms are all on ground level. However, the entrance from the driveway is raised about 4". There are back and front entrances to avoid the raised inconvenience. You can arrange to be met by contacting Mae Smith at 520 850-7137.



Starry Messengers SIG
Opening Minds to the Universe

Meeting: May 20 (Mon) 6:30 PM

Contact: Terri Lappin
Phone: 520-977-1290
Email: smsig@tucsonastronomy.org

Our main activities now surround our **6th Annual Astronomy Festival at Brandi Fenton Memorial Park** to take place on April 13th. We could use volunteers prior to the event to help with logistics, so contact Terri Lappin if you want to help. Of course, we'll need lots of help on April 13th, too. So plan to bring your scope (starting at 3pm for solar) or help with our hands-on exhibits. We will be highlighting the Lunar Missions this year.

Member Star Parties

The TIMPA observing site is located a few miles beyond the Desert Museum. The CAC observing site is located in southeast Arizona near Sunsites, AZ, about 1.5 hours drive from Tucson. Maps to both sites can be found on the TAAA website. Locked gates protect both sites. Call or email the contact person to learn when the gate will be unlocked.

Chiricahua Astronomy Complex

May 3 & 4 (Fri & Sat)

Contact Person/RSVP to: Mike McDowell
Email: cac-director[at]tucsonastronomy.org
Phone: 206-356-6624

Chiricahua Astronomy Complex (CAC) is the club's dark observing site, located in Cochise County approximately 100 miles southeast of the center of Tucson. The site includes concrete telescope pads with electricity, a roll-off roof observatory with a Celestron 14" telescope, a picnic Ramada, and a full bathroom facility with shower room. The new Reynolds-Mitchell Observatory includes a 40" telescope and a large warm room. At an elevation of 4800 feet, be prepared for cooler temperatures. Try to arrive before sunset. Our use permit limits the number of attendees at any one time, so reservations and cancellations are required. If you would like to attend, you must contact CAC Director Mike McDowell. Reservations are on a first come – first serve basis. You need to reserve for both nights if observing both nights.

TIMPA

May 4 & 31 (Sat & Fri)

Contact Person: Dennis McMacken
Email: fundamentals[at]tucsonastronomy.org
Phone: 520-609-7860

The AFSIG hosts the TIMPA star parties. An AFSIG representative will open the gate for an evening of viewing. The Gila Monster Observatory with its Meade 14" Schmidt-Cassegrain telescope will be open for your viewing pleasure. The TIMPA site features a large parking area and full restroom facilities. Be prepared for cool temperatures after sunset. Guests are welcome, accompanied by a TAAA member. We hope to see you there!

TAAA Outreach Events

Members are asked to support these outreach events. Details and maps can be obtained by logging into your Member Planet account. Sign up at a meeting, respond to Jim Knoll's email requests, or pick up the phone. Signing up is important so you can be contacted in case of cancellation. Contact Jim at school-sp-volunteers@tucsonastronomy.org or 520-241-3113. If interested in being an Astronomy Guide and presenting projects from the Night Sky Network Outreach Toolkits, contact Terri Lappin at msig@tucsonastronomy.org.

Borton Elementary School Star Party #1 @ Cooper Center
May 1 (Wed) Set-up: 7:00 PM
Far West Tucson Observing: 7:30 PM to 9:00 PM
Leader: Jim Knoll Volunteers Needed: 2
Cross Streets: Speedway/Camino de Oeste

We are supporting a star party for Borton Elementary School for 50 students. The Cooper Center is located at 5403 W Trails End Rd. Take Camino de Oeste north from Speedway and turn west onto Trails End Rd. Setup in the open area near restroom facilities. Access the site from the dirt road at the east end of the main parking lot near the dumpsters. **Two volunteers with scopes are needed for this event.**

Borton Elementary School Star Party #2 @ Cooper Center
May 2 (Thu) Set-up: 7:00 PM
Far West Tucson Observing: 7:30 PM to 9:00 PM
Leader: Jim Knoll Volunteers Needed: 2
Cross Streets: Speedway/Camino de Oeste

We are supporting a star party for Borton Elementary School for 50 students. The Cooper Center is located at 5403 W Trails End Rd. Take Camino de Oeste north from Speedway and turn west onto Trails End Rd. Setup in the open area near restroom facilities. Access the site from the dirt road at the east end of the main parking lot near the dumpsters. **Two volunteers with scopes are needed for this event.**

Ventana Vista Elementary Star Party @ Whispering Pines
May 2 (Thu) Set-up: 6:30 PM
NE Tucson Observing: 7:00 PM to 9:00 PM
Leader: Jim Knoll Volunteers Needed: 3
Cross Streets: Mt Lemmon Hwy/Tanque Verde

The Ventana Vista Elementary School is having a star party at the Girl Scouts Whispering Pines Camp on Mt Lemmon. Take Mt Lemmon Highway to MP 20 and turn left on Organization Ridge Rd (just before Palisades Ranger Station). Go one mile to end of dirt road to Girl Scout Whispering Pines Camp. Setup in the parking lot. **Three volunteers with scopes are needed for this event.**

Catalina High School Star Party @ CAC
May 3 (Fri) Set-up: 6:30 PM
Cochise County Observing: 7:00 PM to 10:00 PM
Leader: Jim Knoll Volunteers Needed: 7

The Catalina High School is having a star party for 15 students at the Chiricahua Astronomy Complex (CAC). The CAC observing site is located in southeast Arizona near Sunsites, AZ, about 1.5 hours drive from Tucson. A map can be found on the TAAA website. **Two more volunteers with scopes are needed for this event.**

TAAA Outreach Events (Cont.)

Thank You Volunteers!

Potential Contacts This Month: 900
 Volunteers Needed This Month: 59

Mansfield Middle School Star Party @ Cooper Center
May 3 (Fri) Set-up: 7:00 PM
Far West Tucson Observing: 7:30 PM to 9:00 PM
Leader: Jim Knoll Volunteers Needed: 2
Cross Streets: Speedway/Camino de Oeste

We are supporting a star party for Borton Elementary School for 50 students. The Cooper Center is located at 5403 W Trails End Rd. Take Camino de Oeste north from Speedway and turn west onto Trails End Rd. Setup in the open area near restroom facilities. Access the site from the dirt road at the east end of the main parking lot near the dumpsters. **Two volunteers with scopes are needed for this event.**

Sanctuary Cove Star Party
May 4 (Sat) Set-up: 7:00 PM
NW Tucson Observing: 7:30 PM to 9:30 PM
Leader: Jim Knoll Volunteers Needed: 3
Cross Streets: Silverbell/Coachline/Continental Reserve LP

We are supporting a star party for Sanctuary Cove. Sanctuary Cove is located at 8001 N Scenic Dr. Go SW on Continental Reserve Loop to W Pima Farms Road. South (left) on Scenic Dr to almost end of pavement. Turn right (west) on Scaggs Road and proceed to Sanctuary Cove. Setup in the Amphitheater. **Three volunteers with scopes are needed for this event.**

Agua Caliente Park Public Star Party
May 4 (Sat) Set-up: 7:00 PM
NE Tucson Observing: 7:30 PM to 9:30 PM
Leader: Jim Knoll Volunteers Needed: 3
Cross Streets: Roger/Soldier Trail

We are supporting a public star party at Aqua Caliente Park for the Pima County Natural Resources, Park & Recreation. About 50 people attend these regularly scheduled star parties at the Agua Caliente Park. The park is located at 12325 E Roger Road. This is near Soldier Trail. Setup will be at the bus lanes at the north end of parking lot. We have a sufficient number of volunteers signed up for this event.

Davis Monthan AFB—Club Ironwood Solar/Star Party
May 4 (Sat) Set-up: 5:00 PM
East Tucson Observing: 5:30 PM to 9:30 PM
Leader: Jim Knoll Volunteers Needed: 3
Cross Streets: Craycroft/Golf Links

Club Ironwood is having a solar and star party for 150 people of all ages. Club Ironwood is located at 4555 Ironwood St on Davis Monthan AFB. Enter Davis-Monthan AFB via the Craycroft Gate. Go south on Craycroft to Ironwood. The Club is on the corner of Ironwood and Craycroft. The viewing location is TBD. **Two more volunteers with scopes are needed for this event.**

TAAA Outreach Events (Cont.)

C.E. Rose Elementary School Star Party @ Cooper Center
May 6 (Mon) Set-up: 7:00 PM
Far West Tucson Observing: 7:30 PM to 9:00 PM
Leader: Jim Knoll Volunteers Needed: 2
Cross Streets: Speedway/Camino de Oeste

We are supporting a star party for C. E. Rose Elementary School for 40 students (Grade 4). The Cooper Center is located at 5403 W Trails End Rd. Take Camino de Oeste north from Speedway and turn west onto Trails End Rd. Setup in the open area near restroom facilities. Access the site from the dirt road at the east end of the main parking lot near the dumpsters. **Two volunteers with scopes are needed for this event.**

Wilson K - 8 School Star Party
May 6 (Mon) Set-up: 7:00 PM
Oro Valley Observing: 7:30 PM to 9:00 PM
Leader: Jim Knoll Volunteers Needed: 4
Cross Streets: Ina/LaCholla

We are supporting a star party for Wilson K – 8 School for 150 students (Grade 5). The Wilson K – 8 is located at 2330 W Glover Rd. Go north on La Cholla ~6 miles, turn left (west) on Glover (first light past Naranja before you reach Tangerine). The viewing location is TBD. **Four volunteers with scopes are needed for this event.**

TUSD Exceptional Ed - Visually Impaired @ Cooper Center
May 8 (Wed) Set-up: 7:00 PM
Far West Tucson Observing: 7:30 PM to 9:00 PM
Leader: Jim Knoll Volunteers Needed: 2
Cross Streets: Speedway/Camino de Oeste

We are supporting a star party for 25 visually impaired students (Grade 4). The Cooper Center is located at 5403 W Trails End Rd. Take Camino de Oeste north from Speedway and turn west onto Trails End Rd. Setup in the open area near restroom facilities. Access the site from the dirt road at the east end of the main parking lot near the dumpsters. **One more volunteers with scope (video or image preferred) is needed for this event.**

Borman Elementary School @ DM AFB Solar Party
May 8 (Wed) Set-up: 3:30 PM
East Tucson Observing: 4:00 PM to 6:00 PM
Leader: Jim Knoll Volunteers Needed: 3
Cross Streets: Craycroft/Golf Links

Borman Elementary School is having a solar party for 150 students. The school is located at 6630 Lightning Dr on Davis-Monthan AFB. Enter DM AFB at Craycroft Gate. At first light, turn left on Quijota Blvd, turn Left on Mustang Dr, then turn left on E Lightning Dr. The school on the right. Setup is on the SE playground or on the SW parking circle. **Two volunteers with solar scopes are needed for this event.**

McCorkle Academy School Star Party @ Cooper Center
May 9 (Thu) Set-up: 7:00 PM
Far West Tucson Observing: 7:30 PM to 9:00 PM
Leader: Jim Knoll Volunteers Needed: 3
Cross Streets: Speedway/Camino de Oeste

We are supporting a star party for McCorkle Academy for 60 students. The Cooper Center is located at 5403 W Trails End Rd. Take Camino de Oeste north from Speedway and turn west onto Trails End Rd. Setup in the open area near restroom facilities. Access the site from the dirt road at the east end of the main parking lot near the dumpsters. **Three volunteers with scopes are needed for this event.**

TAAA Outreach Events (Cont.)

Oro Valley Library Telescope Dedication Solar Party
May 9 (Thu) Set-up: 4:00 PM
Oro Valley Observing: 4:30 PM to 6:30 PM
Leader: Jim Knoll Volunteers Needed: 4
Cross Streets: Ina/LaCholla

We are supporting a solar party at the Oro Valley Library for about 50 people. The library is located at 1305 W Naranja. Go north on La Canada to Naranja Dr and turn right (east) on Naranja to Library. Setup will be on the parking lot. **Two more volunteers with solar scopes are needed for this event.**

Astronomy Day Evening Under the Stars @ CAC
May 11 (Sat) Set-up: 6:30 PM
Cochise County Observing: 7:00 PM to 10:00 PM
Leader: Jim Knoll Volunteers Needed: 5

The TAAA is celebrating Astronomy Day with a star party at the Chiricahua Astronomy Complex (CAC). The CAC observing site is located in southeast Arizona near Sunsites, AZ, about 1.5 hours drive from Tucson. A map can be found on the TAAA website. **Four more volunteers with scopes are needed for this event.**

Astronomy Day @ Amity Foundation Circle Tree Ranch
May 11 (Sat) Set-up: 7:00 PM
NE Tucson Observing: 7:30 PM to 9:00 PM
Leader: Jim Knoll Volunteers Needed: 3
Cross Streets: Houghton/Tanque Verde

The Amity Foundation is celebrating Astronomy Day with a star party at the Circle Tree Ranch located at 10500 E Tanque Verde Rd. Go east on Tanque Verde Rd about 1/4 mile the sign to Amity will be on the right. The viewing location will be in the center of the compound. **Three volunteers with scopes are needed for this event.**

Desert Christian High School Star Party @ K-8 Campus
May 16 (Thu) Set-up: 7:00 PM
East Tucson Observing: 7:30 PM to 9:00 PM
Leader: Jim Knoll Volunteers Needed: 3
Cross Streets: Speedway/Harrison

Desert Christian High School is having a star party for 45 students at the K-8 campus. The School is located at 9415 E Wrightstown Rd. Go north on Harrison from Speedway, the school is located at the curve where Harrison turns into Wrightstown on the north side. The viewing location is on the basketball court. **Two more volunteers with scopes are needed for this event.**

Cool Summer Nights @ Sonoran Desert Museum
May 25 (Sat) Set-up: 6:00 PM
Far West Tucson Observing: 7:00 PM to 9:30 PM
Leader: Jim Knoll Volunteers Needed: 5
Cross Streets: Speedway/I 10

We are supporting a star party for Cool Summer Nights at the Sonoran Desert Museum. The museum is located at 2021 N Kinney Rd. Go west on Speedway over Gates Pass Rd., to N Kinney Rd. Turn right (North) on Kinney Rd to the Museum. From I-10 (north of Tucson), take exit 242 Avra Valley Rd. west. South on N Sandario Rd. Shortly after entrance to Saguaro National Park, turn southeast onto N Kinney Rd around to Desert Museum. Viewing location is TBD. **Four more volunteers with scopes are needed for this event.**