

Astronomy Club of Tulsa 2020 Newsletter Index

Below are links to each Newsletter
along with a listing of the contents of each.

During the Fall of 2020 we held our club meetings using the Zoom app.
Invited presenters discussed interesting topics.

You can find links to YouTube recordings of those meetings on the end of page 5

The January 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/01-2020.pdf

In this Issue

- 1 Cover – Jupiter – Venus Conjunction
- 2 Upcoming Events - 2020 Officers & Board Members
- 3 Telescope 101 Workshop – Jan 11 – Tulsa Air & Space Museum
- 4-5 President's Message– by Tamara Green
- 6 Daniel's Deep Sky Dozen – Observing Planetary Nebula by Daniel Smith
- 7 **Astro Photos with your iPhone** – by John Land
- 8 Making a Rainbow Sundial
- 9 Treasurer's Report – John Newton
- 10-11 NSN article – **Spot the Young Stars of the Hyades and Pleiades**
- 12 Club meeting locations and maps
- 13 Club officers and contacts.

The February 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/02-2020.pdf

In this Issue

- 1 Cover – Double Cluster in Perseus
- 2 Upcoming Events
- 3 Telescope 101 Workshop – Feb 29 – Tulsa Air & Space Museum
Evening Star Party at TASM & 2020 Calendars for sale
- 4 President's Message– by Tamara Green
Observatory Workday Mar 7 & 28
- 5 **Feb. Planets – Mars Occultation & Why Betelgeuse is Dimming -**
- 6 **Sirius Challenge – Find Sirius white dwarf companion**
Perseus Double Cluster image processing
- 7-9 **Doing Citizen Science in Australia while setting in Tulsa** – by Brad Young
- 10 **Space X Starlink satellites** – by John Land
- 11-12 NSN article - **Betelgeuse and the Crab Nebula: Stellar Death and Rebirth**
- 13 Treasurer's Report – John Newton
- 14-15 2019 Annual Club Budget Report by John Newton
- 16 Club meeting locations and maps
- 17 Club officers and contacts.

The March 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/03-2020.pdf

In this Issue

- 1 Cover – Double Cluster in Perseus
- 2 Upcoming Events
- 3 MidStates Astronomy Convention – June 12 – 14 < was Canceled due to Pandemic
- 4 President’s Message– by Tamara Green
- 5 Observatory Workday Mar 7 & 28
- 5 **March Planets – Why Betelgeuse is Dimming -**
- 6 Venus in Daylight Challenge –
Will Betelgeuse recover its brilliance?
- 7 - 9 **TRUSAT A New Approach to Space Sustainability** – by Brad Young
- 10 Daniel’s Deep Sky Dozen – Orion
- 11 NSN article – **Dim Delights in Cancer**
- 12 Treasurer’s Report – John Newton
- 13 Jenks Planetarium Show Schedule
- 14 - 15 Club meeting locations and maps & Club officers and contacts.

The April 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/04-2020.pdf

In this Issue

- 1 Cover – Telescope Workshop Feb 29
- 2 Upcoming Events
- 3 President’s Message– by Tamara Green
- 4 **Doing Astronomy from Home**
- 5 April Sky Show – Planets, Comets and Meteors
- 6 More Telescope Workshop images
- 7-8 Observatory Grounds Workday March 7
- 9 MidStates Astronomy Convention – June 12 – 14 < was Canceled due to Pandemic
- 10 Treasurer’s Report – John Newton
- 11 -12 Club meeting locations and maps & Club officers and contacts.

The May 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/05-2020.pdf

In this Issue

- 1 Cover – Star Scape by Adam Koloff
- 2 Upcoming Events
- 3 President’s Message– by Tamara Green
- 4-5 May Sky events – Venus Farewell - Morning Planets
– Meteors in May - Four Comets in May
- 5 April Sky Show – Planets, Comets and Meteors
- 6 “Sport” of Satellite Tracking for Fun and Science
- 7 How will Starlink Satellites Impact Astronomy? - Observers Wanted !
12” Satellite for sale
- 8 Treasurer’s Report – John Newton
- 9 – 10 Club meeting locations and maps & Club officers and contacts.

The June 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/06-2020.pdf

- 1 Cover – Lunar X photo by Daniel Smith
- 2 Upcoming Events
- 3 President's Message– by Tamara Green & Health Guidelines for Observatory nights
- 4 June Sky events – Planets and Comets
- 5-8 **Interested in Comets and earning an observing certificate** By Stan Davis
- 9 ACT members Daniel Smith & Adam Koloff featured in Tulsa People magazine
- 10-11 **Lunar X explained and member photos.**
- 12 Treasurer's Report – John Newton
- 13 Extreme Astronomer Test – are you one ?
- 14 - 15 Club meeting locations and maps & Club officers and contacts.

The July 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/07-2020.pdf

- 1 Cover – Treasurers in the Summer Sky
- 2 Upcoming Events
- 3 President's Message– by Tamara GreenHealth Guidelines for Observatory nights
- 3 Okie-Tex Star Party registration
- 4 **July Sky events – Planets headlines – Jupiter & Saturn Oppositions**
- 5 **Bartlesville Teen starts weekly online talk.**
Parallax images from the edge of the Solar system
- 6 **Comet NEOWISE grazes the Sun – Naked eye by mid July ? ?**
4000 Comets and Counting
- 7-8 Interesting Points about the Summer Solstice by John Newton.
- 9 Fun with Lists by Brad Young
- 10 Treasurer's Report – John Newton
- 11-12 Club meeting locations and maps & Club officers and contacts

The August 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/08-2020.pdf

- 1 Cover – Comet NEOWISE photo
- 2 Upcoming Events & Elections announcement
- 3 Perseid Meteor Shower
Health Guidelines for Observatory nights
- 4 **Tips for Observing Planets**
- 5 President's Message– by Tamara Green
- 6 **Comet NEOWISE puts on a Grand Show**
- 7-9 Images of Comet NEOWISE
- 10 Comet Finder Chart
- 11 -12 **Infinity and Beyond – Review by Brad Young**
- 13-14 Treasurer's Report – John Newton
- 15 - 16 Club meeting locations and maps & Club officers and contacts.

The September 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/09-2020.pdf

- 1 Cover – M 8 the Lagoon Nebula by Mike Blaylock
- 2 Upcoming Events & Elections announcement
- 3 President's Message – by Tamara Green
- 4-5 **New Observing Certificate –
ALTERNATE CONSTELLATIONS** by Brad Young
- 6 Tonight's Sky & Mars at its Best - by John Land
- 7 Adventures Tracking the Ice Giants - by John Land
- 8 **How you can observe Uranus and Neptune**
- 9 Treasurer's Report – John Newton
- 10 -11 Club meeting locations and maps & Club officers and contacts

The October 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/2020-10.pdf

Contents:

- 1 Watercolor painting by KC Lobrecht
- 2 Upcoming Events
- 3 President's Message – by Tamara Green
Elections coming Soon for 2021 by John Newton
- 4 Zoom meeting Response & our **October guest speaker Dr. Aaron Coyner**
- 5 Tonight's Sky & Mars at its Best - by John Land
- 6 **How you can observe Uranus and Neptune**
- 7-9 **How Unique is 2020?** By Brad Young
"Spooky" night views on Halloween
- 10 Smokey sky haze spoils September observing nights.
- 11 Treasurer's Report – John Newton
- 12 Club officers and contacts.

The November 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/11-2020.pdf

Contents:

- 1 The Elephant Asterism by Steve Chapman
- 2 Upcoming Events
- 3 President's Message – by Tamara Green
Links to our Sept & Oct Meeting Presentations
Elections message by John Newton
2021 Astronomy Calendars for sale
- 4 Our new Officers and Board for 2020 – 2021
- 5 **Poem – The Telescope by Lousie Gluck**
- 6-7 Members Images of Mars in October
- 8 November Sky Events – Planets – Occultation @ Uranus – Meteors & a Comet
- 9 Telescopes for Sale – 8" Dob and Meade LX 200
- 10 Treasurer's Report – John Newton
- 11 Ideas Wanted for Club Zoom meetings - Club officers and contacts.

The December 2020 Astronomy Club Newsletter available online at
https://www.astrotulsa.com/CMS_Files/12-2020.pdf

Contents:

- 1 The Running Man Nebula by Robbin Jones
- 2 Upcoming Events
- 3 **Zoom Meeting Tues Dec 8th - Dr. Emily Levesque “The Last Star Gazers”**
Links to previous Zoom meetings - 2021 Astronomical League calendars
- 4 President’s Message – by Tamara Green
Board meeting report - Texas Star Party May 2-9
- 5-6 **The Grand Conjunction of Jupiter and Saturn** and
how it affected the history of astronomy by John Land
- 7-9 Throwing Shade – by Brad Young - observing Earth’s shadow
- 10 New Ancient Egyptian Constellations discovered – Ron Coates
Make a Rainbow Sundial by John Land
- 11 Star & Constellation Word Search by John Blaes
- 12 Treasurer’s Report – John Newton
- 13 Club Contacts and Ideas Wanted for Club Zoom meetings

For our Fall 2020 we have Zoom meetings along with a guest presenter.
Below are links to YouTube recordings of those meetings.

If you missed our Monthly Zoom meetings you can watch the recordings of them
Note: Some of these links may not be working if viewing a year or more later.

Sept 22 - [Electronically Assisted Astronomy](#) - Presenter – Robbin Jones
Robbin shows us how he enjoys astronomy from his suburban home using video cameras

Oct 26 - [Understanding the Active Sun through satellite observations](#)
Presenter – Dr. Aaron Coyner is a solar physicist by trade and the physics faculty at
Southwestern Oregon Community College in Coos Bay, OR

Nov 12 - [Ocean Worlds: NASA’s Europa Clipper Mission](#) &
the Search for Habitability Beyond Earth
Presenter - Dr. Tracy Becker – this was an invitation meeting from Dr. Coyner

Dec 8 - *The Last Stargazers: Astronomy Adventures and the Scientific Power of Storytelling*
Presenter - Dr. Emily Levesque from University of Washington

This was a two-part program

Part 1 - Club Zoom with topics on Wide Field Astrophotography and the Jupiter / Saturn Conjunction
<https://www.youtube.com/watch?v=AIZISDKARN8&feature=youtu.be&ab>

Part 2 - Night Sky Network webinar with Dr. Emily Levesque describing adventures of
professional astronomers. <https://www.youtube.com/watch?v=nKesmUh2WEc>