

January 2019 Issue - http://astrotulsa.com/CMS_Files/01-2019.pdf

- 1 **Cover – M 107 – Hubble Space Telescope**
- 2 **Upcoming Events & New Horizons Flyby of Ultima Thule**
- 3 **Total Lunar Eclipse – Jan 20**
- 4 **Telescope 101 Workshop – Jan 5th**
- 5 President Report - Tamara Green
- 6 Secretary Report - Jess Cagnolatti -
2019 Astronomy Calendars for Sale
- 7 **Book Review – Exploring Amateur Astronomy – by Mike Hotka**
- 8 Treasurer Report – John Newton
- 9-10 **Morning Planets & Lunar Eclipse – Night Sky Network**
- 11-14 **Doing Science with Remote Imaging Telescopes in Australia**
By Brad Young
- 15 Directions to Club Events Locations
16. Jenks Planetarium Schedule
2019 Officers and Board

February 2019 Issue - http://astrotulsa.com/CMS_Files/02-2019.pdf

- 1 **Cover – Lunar Eclipse video by William Collier**
- 2 Upcoming Events
- 3 President Report - Tamara Green
2019 Astronomy Calendars HALF PRICE SALE
- 4 **Images of Jan 5th Telescope 101 Workshop at TASM**
- 5-6 **Images of Jan 20 Lunar Eclipse**
- 7-8 **Use your Cell Phone for Quick and Easy Astrophotos**
By Daniel Smith
- 9 Treasurer Report – John Newton
- 10 Messier Marathon set for Saturday March 2nd
- 11-12 **Night Sky Network – Find the Winter Hexagon**
Evening and Morning planets
13. Directions to Club Events Locations
14. Jenks Planetarium Schedule
2019 Officers and Board
- 15-16 **Secretary Report - Jess Cagnolatti**
December Board Minutes

March 2019 Issue - http://astrotulsa.com/CMS_Files/03-2019.pdf

- 1 **Cover – Milky Way over the Observatory by Shannon Norwood**
- 2 Upcoming Events
- 3 ALCon 2019 – **Comet Iwamoto** –
Jenks Planetarium Spring Schedule
- 4 President Report - Tamara Green
- 5 Messier Marathon set for Saturday March 9th
- 6 **Observing Artificial Satellites** Brad Young
- 7 **Night Sky Network – Equinox & Springtime Planet Party -**
- 8 Secretary Report – Jess Cagnolatti
- 9 Treasurer Report – John Newton
10. Directions to Club Events Locations
11. 2019 Officers and Board – Call for Member Article submissions
- 12-13 **Treasurers - Annual Report - John Newton**
- 14-15 **Feb 2 Board Minutes – Details**

April 2019 Issue - http://astrotulsa.com/CMS_Files/04-2019.pdf

- 1 **Cover 2019 Messier Marathon** attendees
- 2 Upcoming Events & Guest Speakers
- 3 Astronomy Conventions ALCon 2019 – MSRAL 2019 –
Jenks Planetarium Spring Schedule
- 4 President Report - Tamara Green
- 5 Secretary – Jess Cagnolatti – Treasurer John Newton
- 6 -7 **Speaker Peggy Walker and John Dobson Telescope**
- 7 Telescopes for Sale
- 8 April 12 - **Speaker Abby Bollenbach - Cassini Mission to Saturn**
- 9-12 **Why the Spring Sky changes Fast – Brad Young**
- 13 **NSN – Mars the Wanderer**
- 14 Treasurer Report – John Newton
15. Directions to Club Events Locations
16. 2019 Officers and Board – Call for Member Article submissions

May 2019 Issue - http://astrotulsa.com/CMS_Files/05-2019.pdf

- 1 Cover – **Solar System Mosaic by Willian Collier**
- 2 Upcoming Events
- 3 Astronomy Conventions ALCon 2019 – MSRAL 2019 –
3 Jenks Planetarium Apollo 11 Special in July
- 4 President Report - Tamara Green
- 5 Treasurer John Newton
- 5 **Why is Glass Clear? By John Land**
- 6 **ISS Transit of the Sun – John Moore & Skip Whitehurst**
- 8 **NSN – Watching the Late Spring Skies**
- 9 Treasurer Report – John Newton
- 10 Directions to Club Events Locations
- 11 2019 Officers and Board – Call for Member Article submissions

June 2019 Issue - http://astrotulsa.com/CMS_Files/06-2019.pdf

- 1 Cover – **Sunspot image by John Moore**
- 2 Upcoming Events
- 3 Astronomy Conventions ALCon 2019 – MSRAL 2019 –
3 Jenks Planetarium Apollo 11 Special in July
- 4 **Memories of Apollo 11 – by John Newton**
- 5 President Report - Tamara Green
- 6 **Planets return to the Evening Sky – by John Land**
- 7 **NSN – Jupiter Shines in June**
- 8 **See the Moon's "Golden Handle"**
- 9 Treasurer Report – John Newton
- 10 Directions to Club Events Locations
- 11 2019 Officers and Board – Call for Member Article submissions

July 2019 Issue - http://astrotulsa.com/CMS_Files/07-2019.pdf

- 1 Cover – **Observatory at Night** by Ryan Wade
- 2 Upcoming Events
- 3 **Club Window Sticker** - Jenks Planetarium Apollo 11 Special in July – Okie-Tex Registration
- 4 President Report - Tamara Green
- 5 OETA – PBS Astronomy Shows in July
- 5 – 8 *Member's Memories and Reflections on the Apollo 11 Moon Landing*
- 8 US Mint Apollo 11 Commemorative coin
- 9 **Find the Apollo 11 Landing Site with your Telescope**
- 10 NSN – **Planets in July & The Moon and beyond**
- 11 **Lunar Map of Apollo landing sites**
- 12 Treasurer Report – John Newton
- 13 Directions to Club Events Locations
- 14 2019 Officers and Board – Call for Member Article submissions

August 2019 Issue - http://astrotulsa.com/CMS_Files/08-2019.pdf

- 1 Cover –**Veil Nebula** by Frank Newby
- 2 Upcoming Events
- 3 Club Window Sticker – Okie-Tex Registration – Apollo 11 coins
- 4 President Report - Tamara Green
- 5 **Summer Astronomy Outreach Events**
- 6 – 8 **Five Little Know Facts about Apollo 11** - by John Newton
- 8-9 **Solar Eclipse views from Space** - by John Land
- 10 **Earth Seasons from Space** - by John Land
- 11 – 12 NSN – **Chill Out: Spot an Ice Giant in August** - Finder Charts for Neptune
- 13 Treasurer Report – John Newton
- 14 Telescopes for Sale
- 15 Directions to Club Events Locations
- 16 2019 Officers and Board – Call for Member Article submissions

September 2019 Issue - http://astrotulsa.com/CMS_Files/09-2019.pdf

- 1 Cover Photo – New Equatorial Wedge for the Dome Telescope
- 2 Upcoming Events
- 3 President Report - Tamara Green
Club Elections coming soon.
- 4 **Club Picnic Photos**
- 5 **The Voyager Missions to the Giant Planets** – by John Newton
- 6 – 8 **Chasing Asteroid Shadows in the Desert** -- by Skip Whitehurst
An Occultation adventure – of John Moore & Skip Whitehurst
- 9 **High Frontier ROCKET Launch** – Sept 28-29 - by Tony White
- 10-11 NSN – **Spot the Stars of the Summer Triangle**
- 12 Treasurer Report – John Newton
- 13 Directions to Club Events Locations
- 14 2019 Officers and Board – Call for Member Article submissions

October 2019 Issue - http://astrotulsa.com/CMS_Files/10-2019.pdf

- 1 Cover Photo – **GOES Satellite images of Autumn Equinox**
- 2 Up Coming Events
- 3-5 Candidates for 2019 Club Officers and Board
- 6 President’s Message– by Tamara Green
- 7-8 **Rocket Fuel Venting over Australia** – by Brad Young
- 9-10 **Comet 21P/Giacobini-Zinner** puts on Sept show.
- 11-12 **Secretary Report** – by John Newton
- 13 Treasurer’s Report – Tim Davis
- 14 2019 Wall Astronomy Calendars now on sale
- 15-16 **NASA Space Place – Observe the Moon**
- 17 **Earn a Lunar Observing Certificate**
- 17 Jenks Planetarium shows open to public
Special Feature Tuesday **Oct 13 HOW to Use My Telescope**
- 18 Club meeting locations and maps
- 19 Club officers and contacts.

November 2019 Issue - http://astrotulsa.com/CMS_Files/11-2019.pdf

- 1 Cover Photo – **Okie-Tex Panorama by Adam Koloff**
- 2 Upcoming Events - 2020 Officers & Board Members
- 3-4 President’s Message– by Tamara Green
- 4 **Mira at Maxima – Saturn 20 new moons – A new Dwarf Planet ?**
- 5 **Daniel’s Deep Sky Dozen** – A new observing challenge article
- 6 **Good to Star Gaze** – new resource to check observing prospects
- 7 **Planet Mercury Transits the Sun - Nov 11**
- 8-9 **Images from Okie-Tex 2019**
- 10 Treasurer’s Report – John Newton
- 11-14 **Tracking and Identifying Anonymous ISON Satellites** – By Brad Young
- 15 NSN article – **Mercury Crosses the Sun**
- 16 Club meeting locations and maps
- 17 Club officers and contacts.

December 2019 Issue - http://astrotulsa.com/CMS_Files/12-2019.pdf

- 1 Cover – Images of Annual Club Dinner and New Officers & Board members
- 2 Upcoming Events - 2020 Officers & Board Members
- 3 President’s Message– by Tamara Green
- 4 Telescope 101 Workshop – Jan 11 – Tulsa Air & Space Museum
- 5 Starlight Cocoa Recipe – by John Land
- 6 Daniel’s Deep Sky Dozen – A new observing challenge article by Daniel Smith
- 7 Astronomy in the News – by John Land
- 8 Treasurer’s Report – John Newton
- 9 NSN article – Orion Nebula: Window Into a Stellar Nursery
- 10 – 12 Secretary Report by Jerry Cassity
Minutes of Nov 16 Board meeting.
- 13 Club meeting locations and maps
- 14 Club officers and contacts.