

October Aerial Backup Copy for October 2021



FALL - A time to kick back and relax?

Club Officers

- Joe Miko Grand Puba
- Rob Ballou - Backup Puba
- Pat Stone - Correspondence Secretary
- Larry Hill - Recording Secretary
- Jerry Cimildora - Minion Controller
& Web Master
- Warren Hartman - Treasure

Club Events

- None at this time. As you know Wings and

Wheels was canceled for September and the Chesapeake Re

Scouts canceled the one day event scheduled for October 9

We are hoping to have a radio setup and operating the ARRL

Phone sweepstakes on November 20 thru the 21

planning to have 2 radios and 2 antennas setup and operate

from the FBO from Saturday afternoon thru Sunday day.

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th .

st . We are

VEC - There will be a test session on November 20

th at the

American Legion Post in Rosedale. Starting time is 1:00 pm. As

of this time walkins are permitted.

Rag Chew meetings (2nd meetings of the month) have been going

well. Currently we are showing 2 You Tube presentations

hosted by "Oggie" KE00G,

Dave Casler. He has section in

each monthly issue of QST and can be found around page 50.

If you have any presentations you would like to share with the club, please send me an email, or bring flash drive/Memory stick to the second Wednesday meeting.

Check with the ARRL to find some local Ham Fest in MD and DE.

Balto Traffic Net - The BTN can use more participants; all you have to do is check into this traffic net to see how it run. It will provide you with traffic skills in either taking or sending a radiogram. It not hard and you might hear one of your club members on it. So give it a try its nightly at 6:30 pm it runs less than a half hour the frequency is 145.330 no PL tone. The 145.33 repeater is in Shawsville, and it has 3 receive site. It works well for this area.

AERO Repeaters - The 147.24 repeater is working no problems have been reported.

The 449.575 repeater has been down since the second week of September. Need a work party to and check the amplifier and other connections. The repeater is currently putting out between 5 - 10 watts. If you can give me a hand, give me a call at 44 - 956 - 0197.

Halloween - Be kind to the little one's. Lets hope it better than last year (need more kids). I don't need 3 large bags of chocolate, Metformin can only do so much.

This is my try at a newsletter at 2am on a Monday morning.
Take Care and Be Safe. Joe M



From the Skies over Mt. Essex

SKY Events for October 2021

Oct 4th - Zodiacal Light vis in N Lat in E
before morning twilight for next 2 weeks.

Double shadow transit on Jupiter 18:53UT

14:43 EDT. USSR Sputnik 1, 1st Earth
satellite launched in 1957.

Oct 6th - New Moon

Oct 9th - Venus is 3° S of the Moon 2UT,
19UT 15 EDT.

Oct 11th - Pioneer 1 1st satellite launched by
NASA in 1958

Oct 12th - First Quarter Moon

Oct 14th - Saturn is 4° N of Moon 7UT, 03
EDT,

Oct 15th - Jupiter is 4° N of the Moon
10UT, 06 EDT.

Oct 19th - Double transit of on 06:12ut,
02:12 EDT.

Oct 20nd - Full Moon Traditional Name is
Hunter's Moon and Celtic The Harvest
Moon.

Oct 22nd - Uranus is 1.3° N of Moon 22UT,
18:00 EDT.

Oct 25th - Mercury greatest elongation W
(18°) 6UT, 03 EDT.

Oct 28th - Last Quarter Moon

Oct 29th - Venus greatest elongation E (47°)
21UT, 17 EDT.

Planet Lookout at mid - Month EDT

Sunrise 07:10 EDT and Sunset 18:25 EDT

Mercury - **Morning** Rise 06:16, Set
17:54, Mag - 0.1, Size 7.8 arc seconds.

Venus - **Evening** Rises 11:09, Sets 20:32,
Mag - 4.4 and 21.0
arc seconds.

Mars -- **Morning** Rises 06:59, Sets 18:19,
Mag 1.6 and 3.6
arc seconds.

Jupiter -- **Evening** Rises 15:48, Sets 02:18,
Mag - 2.6 size 44.0 arc seconds.

Saturn - **Evening** , Rises 15:00 Sets 01:06,
Mag 0.5, Size 17.3 arc seconds

Uranus — **Evening** Rises 19:17 , Set s 09:01
; Mag 5.7 size 3.6 arc seconds.

Neptune -- **Evening** Rises 17:03 Sets 04:43;
Mag 7.8 size 2.3 arc seconds.

Your eyeglasses and the Telescope!

If you need glasses only to correct for sample far sightedness, you probably do not need to wear them at the eyepiece, the telescope focusing mechanism should provide all the adjustments you need however astigmatism is a condition in which the eye magnified more in one lateral direction than the perpendicular direction stars won't focus to small points but to elliptical blobs, decreasing resolution and reducing the maximum useful magnification.

If you have your glasses prescription handy, you have astigmatism if numbers occupy the boxes under the "CYL" column the units are diopters (D), a measure of lens power $D = 1/FL$, in which FL is the lens focal length in meters, 0 is good, 0.25, not bad, anything larger need to be addressed your two eyes will likely be different: The "OD" row denote your right eye the "OS" row denotes your left eye if you only have mild astigmatism, your then you might get by buy without using your glasses. If you have a strong astigmatism, you will need to wear your glasses — It's a personal choice depending on your circumstances and your observation goals.

If you need help with astigmatism, and must wear your glasses, consider using eyepieces known for long eye relief. With astigmatism your eye won't focus a star to a point, but rather an oval. Another solution is the "Tele Vue" DIOPTRX™ corrective lenses that attach to some of their eyepieces.

Bifocal lenses create additional problems for the observer. The upper part of the lens

is curved to provide correction for distant vision, like a typical eyeglass lens and the lower part is curved to provide correction at mid - and reading distances; the problem is, almost all bifocals or progressive lenses really only work looking directly ahead and not through the side. In addition, the power of the lens varies along the vertical direction. Naturally, this creates havoc at the eyepiece, and you need to be careful how you position your eye with bifocal. The simple solution is to have a second pair of single vision eyeglasses for telescope usage.

A Sample optical prescription for weak myopia (nearsightedness), with mild astigmatism in the right eye. Farsighted is known as Hyperopia.

Diopters = A measure of lens power, $D=1/FL$

FL= Lens Lengths in Meters

OD = Oculus Dexter = right eye.

OS = Oculus Sinister = left eye.

SPH = spherical correction (overall focus) in diopters.

AXIS = axis angle of cylindrical lens in degrees.

ADD = additional corrections for reading glasses.

Rx	SPH	CYL	AXIS	ADD
OD	-1.50	-0.25	020	+2.00
OS	-1.75			+2.00

RASC Handbook pg. 58 by David Chapman