



*Wings & Wheels, Essex Skypark*

# ***The Aero Aerial***

The Newsletter of the Aero Amateur Radio Club  
Middle River, MD  
Volume 11, Issue 9  
October 2014

Editor Frank Stone AC3P  
Editor Pro Tem Georgeann Vleck KB3PGN

## ***Officers***

President	Joe Miko WB3FMT
Vice-President	Bob Venanzi ND3D
Recording Secretary	Lou Kordek AB3QK
Corresponding Secretary	Chuck Whittaker KB3EK
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VE Testing	Pat Stone AC3F
Public Service	Bob Landis WA3SWA
Webmaster	Al Alexander K3ROJ
Trustee	Dave Fredrick KB3KRV
Club Nets	Joe Miko WB3FMT
Contests	Bob Venanzi ND3D

Website: <http://home.comcast.net/~frank-stone/Aero%20ARC/aero.htm>

Facebook: <https://www.facebook.com/pages/Aero-Amateur-Radio-Club/719248141439348>

# About the Aero Amateur Radio Club

## Meetings

The Aero Amateur Radio Club meets on the first and third Wednesdays of the month. Meetings begin at 7:30 p.m. local time. Meeting place is TBA.

## Repeaters

**W3PGA**     **2 M :**    INPUT : 147.84 MHz, OUTPUT : 147.24 MHz  
**W3PGA**     **70 Cm:** INPUT : 444.575 MHz, OUTPUT : 449.575 MHz  
**W3JEH**     **1.25 M:** INPUT : 222.24 MHz, OUTPUT : 223.84 MHz

## Club Nets

Second Wednesday Net – 10 Meters (28.445 MHz) @ 8 p.m. Local Time  
Fourth Wednesday Net – 2 Meters (147.24 MHz Repeater) @ 8 p.m. Local Time  
Fifth Wednesday Net – 70 Centimeters (449.575 MHz Repeater) @ 8 p.m. Local Time

## Radio License Exams

The Aero Amateur Radio Club sponsors Amateur Radio License Exams with the ARRL VEC. Examination sessions are throughout the year. Walk-ins are welcome.

### 2014 Examination Schedule

Where:        White Marsh Branch  
                 Baltimore County Public Library  
                 8133 Sandpiper Circle, White Marsh, Md. 21236

Time: 1 p.m.

Dates: November 22

Contact: Patricia Stone AC3F, email: [ac3f@juno.com](mailto:ac3f@juno.com), landline: 410-687-7209

## LOCAL AREA NETS

Day	Time	Freq. (MHz)	Net Name
Daily	9 – 10 am	147.33	Oriole Net
Daily	6 pm	3.820	Maryland Emergency Phone Net
Daily	6:30 – 7 pm	146.670	Baltimore Traffic Net
Daily	7 pm & 10 pm	3.643	MD/DC/DE Traffic Net
2 <sup>nd</sup> Tue	7:30 pm	146.670	Baltimore County RACES Net
2 <sup>nd</sup> Wed	8 pm	28.445	Aero ARC Net
4 <sup>th</sup> Wed	8 pm	147.240	Aero ARC Net
5 <sup>th</sup> Wed	8 pm	449.575	Aero ARC Net
When activated by NOAA		146.670	SkyWarn



## Speaking of Repeaters Again ...

Phil W3VRD has a request for the members of our club.

He would like a volunteer (or even two) to **help him and Warren with repeater repair**. Both he and Warren have difficulty with the stairs leading to the repeater room at Kenwood High School, and as neither of them is getting any younger, this problem will only get worse. Too, he is looking ahead to the future, and wants to start training another person (or two) to do repeater repair so our equipment can be kept in working order. Those of you who have technical ability, please give this some serious consideration.

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## NET REPORTS

**Alert for OCTOBER 1 – Instead of our regular First Wednesday meeting, there will be a special net – The Eviction Net.**

**10-01-14: 449.575 MHz**

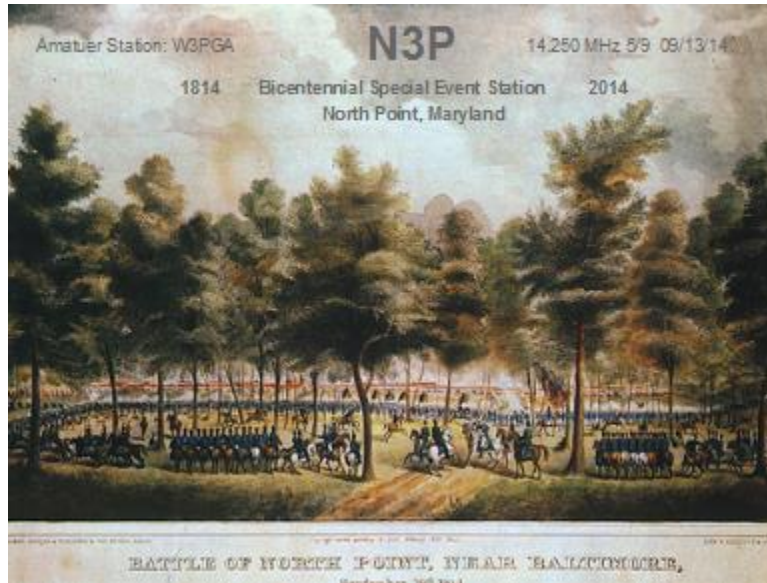
**09-24-14: 147.24 MHz, 20:00 to 20:50 local.**

W3PGA (NCS) Joe, KB3PGN Georgeann, KB3VAE Rich, KA3SNY Dave, AC3P Frank, W3JEH Ron, KB3JDE Eric, KB3GFC Jim, KD3FJ Carl, NOCALL/2 Margaret, NE3A Ken Frank reported that 165 contacts were made during the N3P special event. Sad to report the passing of Walt Dixon's (SK) son a few weeks ago. Ron is preparing to send Joe a partial list of Bernie's (SK) equipment, which he will forward to the club.

# STATION ACTIVITIES

*By Frank Stone AC3P*

## Special Event: North Point On The Air N3P



It was a Star Spangled Weekend. Tall ships were docked at the inner harbor. Folks in period costume stood guard at Patterson Park and Ft. McHenry. The grounds shook while in the sky above Blue Angels performed amazing aerobatics. Dignitaries including a President and Vice President made appearances and public television broadcast a fireworks capped concert to a national audience.

Meanwhile a few miles east of the city, away from the hoopla, members of the Aero Amateur Radio Club took to the airwaves with Special Event Station N3P to commemorate the little known contribution of the Maryland Militia at North Point during those star spangled days 200 years ago.

N3P began operation at 00:00 UTC on Friday September 13 and concluded at 23:59 UTC on Sunday September 15 on the 40, 20, 15 and 10 meter bands. Operating modes included phone, CW, and PSK31. At total of 165 contacts were made by the Aero team. Before it ended emails requesting a certificate began to arrive.

While 165 QSO's are a small number for a 48 hour operation, one must be mindful that due to the small size of the team N3P could not be on the air continuously.

Thanks to WB3FMT, KA3SNY, KB3PGN, ND3D, W3VRD, KC3EK, AC3F and AC3P for their efforts on this special event.

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## Wings and Wheels, Essex SkyPark, September 20, 2014

*By Joe Miko, WB3FMT*

The Aero ARC participated in the Wings and Wheels event held at the Essex SkyPark on 9/20/14. Dave KB3KRV and Jerry N3VBJ met me at the SkyPark at 8:00 am for setup. By 9:00 am we were set up and using batteries provided by Frank, Jerry, Dave, and Joe. Jerry brought his HF rig and used mag mount antennas from Frank, Jerry and Dave. About 10:00 am Kelly KC3APF and Charles KC3APF arrived with additional HF and VHF radios, batteries, a generator, and antennas. Charles also came with coffee and munchies. Later on Warren and his grandson arrived, also Henry KB3NYC from Pikesville.

In all we had 11 Aero members and 2 guests.

Joe Miko WB3FMT, Dave Fredrick KB3KRV, Jerry Cimildora K3VBJ, Henry Katz KB3NYC, Kelly Ester KC3APF, Indy W3WOOF (LOL), Charles Ester III KC3ANJ, Eric Carl KB3YJS, George Blevins KB3TBH, Frank Stone AC3P, Pat Stone AC3F, Bratt Simpson (Warren's grandson) and Warren Hartman W3JEH.

This is the 2<sup>nd</sup> year that the Aero Club has participated in Wings and Wheels at the Skypark. There appeared to be a bigger turnout than at last year's event.



## VE CORNER

*by Pat Stone, AC3F*

Our next test session is scheduled for **1 pm, November 22, 2014** at White Marsh Library. Fee is \$15.

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# PUBLIC SERVICE OPPORTUNITIES

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## **SATURDAY, Nov. 22, 2014: ANNUAL JFK RUN, WASHINGTON COUNTY**

Butch Eigenbrode (NI2W) is looking for volunteers to provide communications along the route. This communication support consists mostly of coordinating pick-ups of runners dropping out early, as well as finding runners.

The hams from the Antietam Radio Association (ARA) and other volunteers have participated for many years. This Run is their biggest public service event.

So if you can help, please contact Butch Eigenbrode (NI2W) by email at [<mee42@myactv.net>](mailto:mee42@myactv.net), at 301-824-5373 (home) or 908-343-1704 (cell).

## **UPCOMING HAMFESTS**

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### **Saturday, October 4, 2014 – Delmarva Amateur Radio & Electronics EXPO and ARRL Delaware Convention, 7:30 am – 3 pm, Talk-in 147.09 (156.7 Hz)**

Sussex Technical High School, 17099 County Seat Hwy (Rt. 9), Georgetown, Delaware.

Admission \$5. Retailers include Ham Radio Outlet (HRO) and Quicksilver Radio, along with many regional and local vendors. Tailgating:

The guest speaker/forum program includes Bob Bruninga W4APR, who will update us on the latest in APRS technologies and operational applications. Other speakers will address redundancy and reliability in power and communications. Also good food (Delmarva chicken), VE testing for all license classes. [www.radioelectronicsexpo.com/](http://www.radioelectronicsexpo.com/)

Info: Paul Ross at 302-569-1618 or email [Paul@nr3p.com](mailto:Paul@nr3p.com)

### **Sunday, October 5, 2014 – CARAFest (Columbia Amateur Radio Association)**

Howard County Fairgrounds, 2210 Fairgrounds Road, West Friendship, MD 21794

Talk-In: 147.135/R- (PL 156.7) Website: <http://carafest.org>

Info: David Parkison, KB3VDY, Phone: 410-977-1249, Email: [trainman195@gmail.com](mailto:trainman195@gmail.com)

### **Saturday, October 25, 2014 – Southern Maryland Tailgate Fest (St. Mary's County ARA)**

Hollywood Volunteer Fire Dept., 24801 Three Notch Road, Hollywood, MD 20636

Talk-In: 146.64 (PL 146.2) Website: [www.k3nhk.org](http://www.k3nhk.org)

Info: Ken McNeely, KB3YPY, Phone: 301-862-4105, Email: [ken.mcneely@yahoo.com](mailto:ken.mcneely@yahoo.com)

### **Sunday, October 26, 2014 – MASON DIXON HAMFEST (Carroll County Amateur Radio Club)**

Carroll County Agricultural Center, 706 Agriculture Center Drive, Westminster, MD 21157

Talk-In: 145.410 (PL 114.8) Website: <http://www.qis.net/~k3pzn>

Info: Steve Beckman, N3SB, Phone: 410-876-1482, Email: [n3sb@qis.net](mailto:n3sb@qis.net)

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# T-MARC Frequency Coordination Report

For AUGUST, 2014: Applications in Process:

## KA4DCS

- Received application for move of unpublished 449.xxxx- repeater from Alexandria, Va. to Culpeper, Va. and also a freq. swap of same pair to 444.xxxx+.
- Sent Notice of Proposed Coordination to neighboring coordination groups.
- Awaiting testing.

## Shenandoah Valley ARC

- Received application for move of 146.8200- in Winchester, Va.
- Sent Notice of Proposed Coordination to neighboring coordination groups.
- Sent Conditional Construction Coordination.

## W3BJ

- Received application for 2 meter pair in Crisfield, Md.
- Sent Notice of Proposed Coordination to neighboring coordination groups.
- Sent Construction Coordination for 145.1300- at Crisfield, Md.

## Calvert Amateur Radio Assoc.

- Received application for coordination for UHF pair at Prince Frederick, Md.
- Sent Notice of Proposed Coordination to neighboring coordination groups.
- Sent Construction Coordination for 444.9500+ at Prince Frederick.

## N2XIF

- Received application for coordination for UHF pair at Winchester, Va.
- Sent Notice of Proposed Coordination to neighboring coordination groups.
- Sent Construction Coordination for 442.0500+ at Winchester, Va.

## K3OCM

- Received confirmation of on the air status of 443.1875+ in Mechanicsville, Md.
- Sent Final Coordination.

## WB7VUM

- Received application for coordination for 449.3250- in Arlington, Va. (Previously coordinated to W8HNT.)

## Vienna Wireless Society

- Received on air confirmation of un-published narrow-band pair in Oakton, Va.

## On Air Status Requests sent to:

145.2500- KK3L	Damascus, Md.
147.3300+ Lewes ARS	Lewes, Del.
442.2500+ Fauquier ARA	Warrenton, Va.
442.4000+ K7SOB	Moorefield, W. Va.
443.2000+ K7SOB	Romney, W. Va.
443.5500+ Sussex Tidewater AR Network	Lewes, Del.
444.4000+ KF4UCI	Gordonsville, Va.
444.7500+ K7SOB	Berkeley Springs, W. Va.

## Coordinations Withdrawn / Cancelled:

449.3250 W8HNT (SK)	Arlington, Va.
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## Other: South East Repeater Association:

- Received 1 proposed coordination for 2 meters

# From the Skies over Mt. Essex

## SKY Events for October 2014

Oct. 1<sup>st</sup> - First Quarter Moon.

Oct. 4<sup>th</sup> - USSR's Sputnik 1 launched 1957

Oct. 7<sup>th</sup> - Uranus at Opposition: USSR's Luna 3 photographed the far side of the Moon in 1959.

Oct. 8<sup>th</sup> - Full Moon . "Harvest Moon" for the Celtic and the "Hunter's Moon" Traditional Full Moon Names, also the Hunter Moon. **Total Lunar Eclipse** and Uranus is 1.2° S of Moon.

Oct. 15<sup>th</sup> - Last Quarter

Oct. 20<sup>th</sup> - The Zodiacal light is visible in N. Lat in the East before morning twilight, for the next two weeks.

Oct. 21<sup>st</sup> - Orionid Meteor shower (Halley's comet) approximately 20 per hour. Look East after midnight.

Oct 22<sup>nd</sup> - 1<sup>st</sup> recorded solar eclipse in China 2136 B.C.

Oct. 23<sup>th</sup> - New Moon. Partial Solar eclipse

Oct. 25<sup>th</sup> - Saturn 1.0° South of the Moon

Oct, 30<sup>th</sup> - First Quarter Moon (Second one in the month)

### **Planet Lookout at mid-Month**

**Sunrise 07:16 EDT and Sunset 18:25 EDT**

**Mercury** in the Morning Sky very low in the East visible last half of the month magnitude +4.5; 10.1 arc seconds.

**Venus** - Low in the East at dawn, rises about 07:02 EDT magnitude -3.9 and 9.8 arc seconds.

**Mars**- Western sky at dusk, sets about 21:29 EDT, magnitude +0.9 and 5.8 arc seconds wide.

**Jupiter**- In the East at Dawn, magnitude -2.0 size 34.8 arc seconds, rises 01:57 EDT.

**Saturn**- Low in Western Sky sets about 19:56 EDT, magnitude +0.6 size 15.4 arc seconds.

**Uranus**- Opposition "Up all night" Rises about 18:02 EDT, magnitude +5.9, size 3.4 arc seconds.

**Neptune** Rises about 16:29 EDT, magnitude +7.9, size 2.4 arc seconds.

## **October Skies - Moon and Sun**

North American observers will be witness to two eclipses during October '14. On Oct 8<sup>th</sup> a Total Lunar eclipse and Oct. 23<sup>rd</sup> a Partial Solar eclipses. For the Lunar eclipse, the main partial phase begins when the Moon enters Earth's umbral shadow at 5:14 a.m. EDT. Totality gets underway at 6:25 a.m. EDT and lasts until 7:24 a.m.

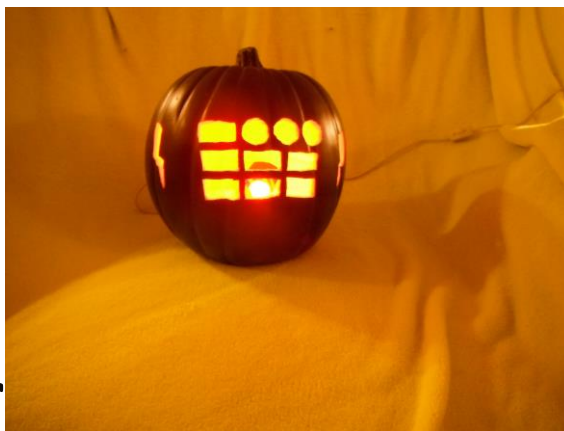
For viewers on the East Coast the Sun rises at 06:09 EDT and Moonset is 07:14 EDT. If use binoculars and look about 2 moon diameters south of the moon you will spot the planet Uranus. The next Lunar eclipses occur on 4/4/2015 and 9/28/2015.

The second eclipse event occurs on Oct. 23<sup>rd</sup>. Thos a partial eclipse with a maximum percentage of 80% at Arctic Circle and 60% as viewed from the Northern US and Canada. If you live along a line that runs south from central Ontario through Michigan, Indiana, West Virginia, Kentucky, Tennessee, Alabama, and the Florida panhandle, maximum eclipse occurs at sunset and ranges from 30% in Florida up to over 60% at the US Canadian border.






Observers on the East Coast will see the setting Sun at about 24% eclipsed. But, the sun will be very low to the horizon. For Baltimore, MD, the partial eclipse starts at 17:51 EDT with Sunset occurring at 18:13 EDT. At the start of the eclipse the Sun will only be 4° above horizon.

The next total solar eclipse will occur on August 21, 2017 and will run the width of the US from Oregon thru South Carolina, This will be a mid-day eclipse and will be about 83% total from the Baltimore - DC area. This eclipse will mimic the one on July 20, 1963 which was 82% as seen in Baltimore.





# October 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 	2	3	4 Delaware State Convention Georgetown, DE
5 CARA Fest Howard Co. T-MARC meeting	6	7	8 	9	10	11
12	13	14	15 	16	17	18
19 Mid-Alt Antique Radio Club Fest Davidsonville, MD	20	21	22	23 	24	25 Southern MD Tailgate Fest Hollywood (St. Mary's Co.)
26 Mason-Dixon Hamfest Westminster, MD	27	28	29	30 	31	