



We're ready for it!

The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
Volume 14, Issue 1
January 2017

Editor Georgeann Vleck KB3PGN

Officers

President	Joe Miko WB3FMT
Vice-President	Jerry Cimildora N3VBJ
Recording Secretary	Lou Kordek AB3QK
Corresponding Secretary	Pat Stone AC3F
Treasurer	Warren Hartman W3JDF
Resource Coordinator	Ron Distler W3JEH

Committees

Repeater	Phil Hock W3VRD Jerry Cimildora N3VBJ
VE Testing	Pat Stone AC3F
Public Service	Bob Landis WA3SWA
Webmaster, Facebook	Jerry Cimildora N3VBJ
Trustee	Dave Fredrick KB3KRV
Club Nets	Joe Miko WB3FMT
Contests	Bob Venanzi ND3D Charles Whittaker KB3EK

Website: <http://w3pga.org>

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 at Essex SkyPark, 1401 Diffendall Road, Essex. Meetings begin at 7:30 p.m. local time. Meetings are canceled if Baltimore County Public Schools are closed or dismiss early. **SEE From the President's Cave for Snow Policy.**

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.

2016- 2017 Examination Schedule

Where: White Marsh Library, 8133 Sandpiper Circle

Time:	1:15 pm	
Dates:	Sun., Jan. 29, 2017	

Contact: Patricia Stone AC3F, email: ac3f@juno.com, landline: 410-687-7209

LOCAL AREA NETS

Day	Time	Freq. (MHz)	Net Name
Daily	9 – 10 am	145.330	Oriole Net
Daily	6 pm	3.820	Maryland Emergency Phone Net
Daily	6:30 – 7 pm	145.330 no PL	Baltimore Traffic Net (b/u 146.670 PL 107.2)
Daily	7 pm & 10 pm	3.643	MD/DC/DE Traffic Net
2 nd Tue	7:30 pm	146.670	Baltimore County RACES Net
2 nd Wed	8 pm	28.445	Aero ARC Net
4 th Wed	8 pm	147.240	Aero ARC Net
5 th Wed	8 pm	449.575	Aero ARC Net
Fridays	7:30 pm	145.330	Back in the Day Net
When activated by NOAA		147.030	SkyWarn (primary)

From the President's Cave

By Joe Miko WB3FMT

2016 - A Year to Remember

The Aero Amateur Radio Club had a remarkable year. We say hello and welcome aboard to all of new members and a hardy handshake to the senior members of the club. The membership continued to increase; we went from 31 members in 2015 to 45 in 2016. The members were engaged in many operating activities and public service operations.

The year kicked off with Aero's 25 Days & 25 Nights of Fun Contest. The new winner was Joe WB3FMT.

Business at the Aero Club monthly nets was brisk! There were 26 nets throughout 2016: on 10 meters, 11; on 2 meters, 11; and on 0.7 meters, 4. In total there were 196 check-ins, and the nets ran a combined 20 hours 32 minutes. Along with local check-ins we also had check-ins from Tennessee, Florida (Phil W3VRD via a remote), Jerry N3VBJ via remote from various states, and a station from the east coast of Canada. No special or snow nets were activated.

But the members weren't only busy with our nets. A number of members were regulars on the morning Holly Net and the 6:30 pm Baltimore Traffic Net (BTN). We are proud to have 3 Aero members working as net control operators on the BTN daily nets: Keon, KE3HAY, Jerry N3VBJ (also the North East Region SKYWARN Coordinator) and Joe WB3FMT.

The VE Testing Program was successful. For the 2016 year, Pat AC3F and her VE's tested 26 applicants and 24 passed with either new licenses or upgrades.

On the Public Service front Aero members continued to assist BRATS for various Multiple Sclerosis Bike Tours and Walks and also participated in other area clubs activities. The club provided an Amateur Radio Exhibit for the Essex Skypark Wings and Wheels fly-in event. Two of our members, Margaret KC3FZZ and Georgeann KB3PGN traveled to Arizona in May to participate in the Whiskey Row Bike Race.

A group of Aero members participated in a Flood Awareness Class presented to SKYWARN members in March and was held at the Maryland Emergency Management Agency in Reisterstown, MD.

For Field Day 2016, W3PGA went on the air as Class 5A this year and scored a respectable 3,210 points with 634 contacts. There were 80 Class 5A stations during FD16 we came in at 35, in the Maryland and District of Columbia (MDC) of the 5 Class 5A stations we came in at number 2. As for club participation there were 19 club members, 4 guest hams and 9 visitors.

On August 20th the club was at it again, this time a 12 hour event called the North American QSO Party. For this event we moved from the FD's community aircraft hangar at the Skypark to the Fixed Base Operations building where we have our meetings. We had a total of 21 people, 14 from the Aero Club, 2 XYL's and 5 Guest Hams. For set-up we had 7 members and breakdown we had 6 members. Bob WA3SWA and his better half Susan provided peanut butter cookies and a baked ziti dinner complete with a salad, marinated mushrooms, and bread. Oh! By the way we had 5 operators who made 282 contacts and 20,586 points, not bad for the club's first try at the NAQSOP.

On the morning of October 20th at 10:20 am Jerry N3VBJ ran a net to participate in the Great SouthEast Shakeout earthquake drill. The club's repeater was used to broadcast an earth quake simulated alert message.

In other operating events the club sponsored a special event to commemorate the 75th Anniversary of the Attack on Pearl Harbor on December 7th, 1941. This effort gained 19 contacts with 3 Operators participating. Keon KE3HAY designed an electronic QSL card to be emailed to requesting stations. This club event was done at individual member homes.

I didn't forget about the club's election held on May 18th -- it happen so fast who could remember? As I recall, the Orange Blossom Special never slowed down in the Essex area. The entire election with recounts lasted about that long...! The only change was that Pat AC3F is the new Corresponding Secretary, replacing Chuck KB3EK. Thanks for your service, Chuck!

Sadly, on November 27, our friend and club member *Charles Ester III, KC3ANJ*, became a Silent Key (SK). Our prayers and thoughts are with Kelly KC3APF.

A brief note about the Aero 2016 Christmas Party, WOW!! We had plenty of great food, and fantastic friends. 25 members and 3 XYL's attended. I promise next year the business meeting will be shorter.

So we say "Hasta la vista" to 2016 and look ahead to the challenges of the New Year.

Meeting Night Snow Plan

If Baltimore County Schools are closed for the day or have an early dismissal, the Aero Club meeting for that night will be canceled. Late school openings don't count. If a meeting is canceled due to weather conditions, we will run a 2 meter net at 8 pm that evening.

On other weather events, following snows or ice, I will go to the SkyPark between noon and 4 pm that day and report to club members by email by 5 pm. The airport does not always plow the parking lot, or clear a walkway; it's not safe to walk on hard snow or ice!

Joe Miko, WB3FMT, President

NET REPORTS

11-30-16: 449.575 MHz, 20:00 to 20:40 local.

W3PGA Joe (NCS) Essex, KB3JVP Ken Middle River, N3EKO Ron Parkville, W3JEH Ron Perry Hall, KB3QWC Larry Nottingham, KB3VAE Rich Middle River, KC3FBL Jim Parkville, KA3SNY Dave Essex, KB3PGN Georgeann Essex

Gave information to the club members about the passing of Charles KC3ANJ on Sunday November 27th.

12-14-16: 28.445 MHz, 20:00 to 20:45 local.

W3PGA Joe (NCS) Essex, N3EKO Ron Parkville, W3JEH Ron Perry Hall, KC3AID Marty Rosedale, KB3JVP Ken Middle River

Upcoming Second Meeting Presentations

These presentations will be given at the Essex SkyPark FBO building after the business meeting.

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>
1/18/17	VE Testing & Morse Code	Patricia Stone
TBA	Contest Logging with N1MM	Bob ND3D
TBA	The Acu-rite Weather Station	?Kelly KC3APF
TBA	His 220 Repeater	Ron W3JEH
TBA	His Linear Amplifier	Phil W3VRD
TBA	Ham Radio in the Modern Age	Keon KE3HAY

Any questions call Joe Miko at 443-956-0197.

Presenters who wish to submit a description of their talk may email it to Georgeann at KB3PGN@reagan.com for inclusion in the Aerial.



VE CORNER

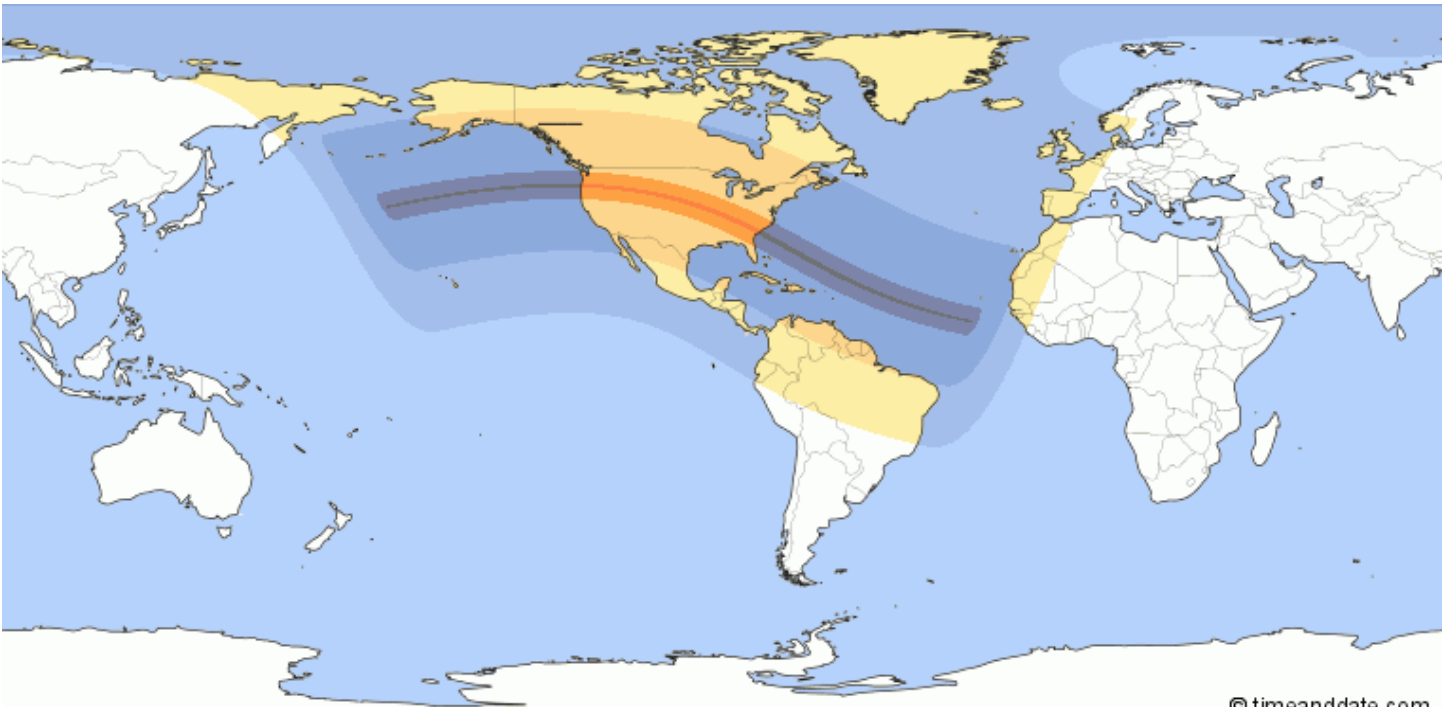
by Pat Stone, AC3F

Our next test session will be held at 1:15PM on Sunday, January 29th, 2017 at the White Marsh Library. Hope to see you then.

VE Testing Snow Plan

If Baltimore County Libraries are closed for a testing day (Saturday or Sunday) the VE Testing session for that day will be canceled. Testing applicants that have pre-registered will be notified by phone. Due to the scheduling requirements of Baltimore County Library, we can't schedule a makeup session. Testing will resume on the next scheduled testing date. VE's will be notified by phone in the event of a closure.

August 21, 2017 — Great American Eclipse (Total Solar Eclipse)



The total phase of this total solar eclipse will be visible from a narrow path spanning all across the USA from the East Coast to the West Coast, weather permitting.

Monday, August 21, 2017 at 2:42 pm

Global Type: Total Solar Eclipse

Baltimore: Partial Solar Eclipse

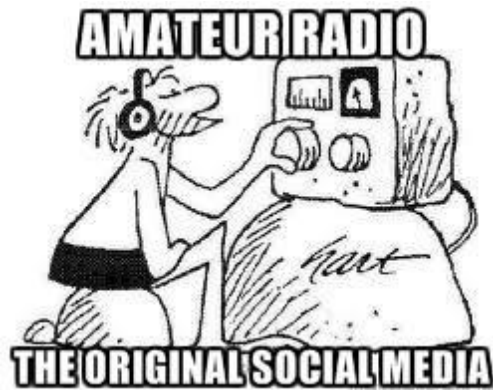
Begins: Mon, Aug 21, 2017 at 1:18 pm

Maximum: Mon, Aug 21, 2017 at 2:42 pm

Ends: Mon, Aug 21, 2017 at 4:01 pm

Duration: 2 hours, 43 minutes

Information Courtesy KC3FZZ



UPCOMING HAMFESTS and EVENTS

Sunday, January 29, 2017: Post Holiday Hamfest

Odenton Volunteer Fire Company, 1425 Annapolis Road, Odenton, MD 21113

<https://sites.google.com/site/marylandmobileers/hamfests-1/hamfest-2>

Sponsor: Maryland Mobileers Amateur Radio Club

Talk-In: 146.805- (PL 107.2)

Contact: Bruce McPherson, AB3AC, 484 Peach Leaf Court, Odenton, MD 21113, Phone: 410-456-2500,

Email: bmcpherson73@verizon.net

Saturday, Feb. 4, 2017: Virginia State Convention (FrostFest), 8:30 am – 3:30 pm

Richmond International Raceway, 600 E. Laburnum Ave., Richmond, VA 23218

www.frostfest.com

Sponsor: Richmond Amateur Telecommunications Society

Talk-In: 146.880 (PL 74.4)

Admission: \$10, under 18 free

VE testing 10 am – 1 pm. Walk-ins only, no preregistration. Frostfest ticket not required for exam.

Lodging: group rate at Courtyard Marriott \$89/night.

Vendor list available on the website.

Contact: Timothy Farrell, KJ4NPB, 8287 Ellerson Drive, Mechanicsville, VA 23111, Phone: 804-306-1134,

Email: timfarrell57@gmail.com

Sunday, March 19, 2017: Winterfest

Northern Virginia Community College, Annandale Campus, 8333 Little River Turnpike, Annandale, VA.

www.viennawireless.net/wp/events/winterfest

Sponsor: Vienna Wireless Society

Talk-In: 146.910(-) MHz

Contact: Thor Berglie, KK4UYT, 2813 Hunter Rd, Fairfax, VA 22031, Phone: 202-495-1315, Email:

thor.berglie@gmail.com

Saturday, April 22, 2017: Delaware State Convention (Delmarva Amateur Radio and Electronics EXPO)

Cheer Center, 546 South Bedford Street, Georgetown, DE 19947

www.radioelectronicsexpo.com

Sponsor: Sussex Amateur Radio Association

Talk-In: 147.090 (PL 156.7)

Contact: Herbert Quick, KF3BT, PO Box 1431, Seaford, DE 19973, Phone: 302-629-4949, Email:

herb@hamiltongraphics.com

Saturday, April 29, 2017: 2017 York (Pennsylvania) Hamfest

Elicker's Grove Park, 511 Roth Church Road, Spring Grove, Pennsylvania

<http://www.yorkhamfest.org>

Sponsor: York Hamfest Foundation

Contact: Duane Sterner, Email: duane.sterner@yahoo.com

Saturday, May 6, 2017: The Greater Hagerstown Hamfest

Washington County Agriculture Center, MD Route 65 South, Sharpsburg Pike, Hagerstown, MD

<http://w3cwc.org/Portals/5/Hagerstown%20Hamfest%202017.pdf>

Sponsor: Antietam Radio Association

Talk-In: 147.09 (PL 100) & 146.94 backup

Contact: Herm Niedzielski, K2AVA, 21512 Leitersburg-Smithsburg Rd, Hagerstown, MD 21742, Phone: 301-

791-5841, Email: k2ava@myactv.net

Friday, May 19, 2017 through Sunday, May 21, 2017: 2017 Dayton [Ohio] Hamvention

Greene County Fair & Exposition Center, 120 Fairground Rd, Xenia, OH 45385

<http://www.hamvention.org>

Sponsor: Dayton Amateur Radio Association

Talk-In: 146.94 & 146.91 (alternate)

Contact: Phone: 937-276-6930, Email: info@hamvention.org

Sunday, June 18, 2017: BARC's Father's Day Hamfest

Arcadia Volunteer Fire Company Grounds, 16020 Carnival Avenue, Upperco, MD 21155

www.w3ft.com

Sponsor: Baltimore Amateur Radio Club

Talk-In: None

Contact: Dave Shadwell, AB3TE, PO Box 120, Reisterstown, MD 21136, Phone: 443-465-6583, E-mail:

w3ft67@yahoo.com

Glenn L. Martin Aviation Museum 2017 Schedule of Events

Speaker Series: April 3, May 1, June 5, July 3

Open Cockpit: April 8, May 13, June 10, July 8

Space Telescope Science Institute – Public Lecture Series

- **January 10, 2017**

Speaker: Office of Public Outreach, Space Telescope Science Institute

Title: The 2017 Total Solar Eclipse: Chasing Shadows across America

- **February 7, 2017**

Speaker: Priyamvada Natarajan, Yale University

Title: Mapping the Heavens: The Radical Scientific Ideas That Reveal The Cosmos

- **March 7, 2017**

Speaker: Lauren Corlies, Johns Hopkins University

Title: TBA

Free public lectures are broadcast online and may be attended in person at the Space Telescope Science Institute (STScI), 3700 San Martin Drive, Baltimore, MD 21218. Each month a noted scientist discusses a different cosmic topic. Lectures are at 8 p.m. the first Tuesday of every month in the STScI auditorium, on the campus of Johns Hopkins University. Steps and a slope give access to the main entrance of the building. Free parking is available during the lectures in the garage directly across the street from the STScI building. For [directions](#), call 410-338-4700.



From the Skies over Mt. Essex

SKY Events for January 2017

January 1st **HAPPY NEW YEAR** 13.0.4.1.12 Aztec

Jan 3-4th – Quadrantids Meteor shower approx 60 -120 meteors per hour, look NE toward Bootes after mid-night. 4th latest sunrise of the year.

Jan 4th – Earth at Perihelion (closest to the Sun)
91,404,320 miles at 09:00 EST.

Jan 5th – First Quarter Moon

Jan 8th - Latest onset of morning twilight

Jan 12th - Full Moon “Winter Moon” for the Traditional American and the “Old Moon” for the English

Jan 12th –Venus elongation East 47° at 0*:00 EST.

Jan 15th – Regulus is 0.8° N of the Moon at 00:00 EST.

Jan 19th – Mercury at greatest elongation West 24° 05:00 EST.

Jan 19th - Moon at Last Quarter

Jan 28th – New Moon

Planet Lookout at mid-Month

Sunrise 07:24 EST and Sunset 17:06 EST

Mercury in the East at sunrise, magnitude -0.2; 7 arc seconds

Venus Dusk, Sets 21:07EST, magnitude -4.6 and 26.8 arc seconds.

Mars Evening, sets 21:40 EST, magnitude 1.1 and 5.4 arc seconds wide.

Jupiter Morning, rises 00:13EST, magnitude-2.0 size 37.1 arc seconds.

Saturn Morning sky. Rises 05:09 EST, Magnitude +0.5 size 15.3 arc seconds.

Uranus Sets 00:11 Magnitude +5.8 size 3.4 arc seconds.

Neptune Sets 20:45 EST. Magnitude +7.9 size 2.4 arc seconds.

Upcoming Events for 2017

Planets – Mercury and Venus in 2017

Maximum Eastern and Western Elongations					
		Date	°	Date	°
Mercury	EE	4-01-17	19 E	1/19/17	24 W
		7/30/17	27	5/17/17	26
		11/24/17	22	9/12/17	18
Venus	EE	1/12/17	47 E	WE 6/3/17	46 W

Moon -

Blue Moon – (4 Moons in a season) - None in 2017

Black Moon – (2 New Moons in a month) - None in 2017

Harvest Moon - 10/05/17

Super Moons - Full Moon on Sunday December 3, 2017 and Full Moon on Monday January 1, 2018

Lunar Eclipses in 2017 – (2) One Penumbral - 02/11/2017
Visible in the US at Moonrise. **One Partial** - 08/07/2017 -
Not visible in the US, East Africa and Asia.

Sun -

Solar Eclipses in 2017 (2) - One Annular 02/26/17, Not visible in the US, Southern part of South America, South Atlantic Ocean and South Africa.

One Total 08/21/2017 - Visible in the US, the total path makes a diagonal line from Oregon to South Carolina. In Baltimore it will be a maximum of 83% total at 14:42.

Meteor Showers for 2017 Predictions - 2 Fair, 5 Good, 1 Poor			
Quadrantids 1/3/17	First Quarter	Good	60-120 per hr
Lyrids 4/22/17	Last Quarter	Poor	10 per hr
Eta Aquarids 5/5/17	First Quarter	Good	45 per hr
Delta Aquarids 7/27/17	First Quarter	Good	16 per hr
Perseids 8/12/17	Last Quarter	Fair	60-80 per hr
Orionids 10/21/17	New Moon	Good	18 per hr
Leonids 11/17/17	New Moon	Good	15 per hr
Geminids 12/14/17	Last Quarter	Fair	120 per hr

Seasons in 2017

Earth Perihelion	01/02/2017	09:00 EST	14:00 UT
Earth Aphelion	07/03/2017	16:00 EDT	20:00 UT
Vernal Equinox	03/20/2017	06:29 EDT	10:29 UT
Summer Solstice	06/21/2017	00:24 EDT	6/22 04:24 UT
Autumnal Equinox	09/22/2017	16:02 EDT	20:02 UT
Winter Solstice	12/21/2017	11:28 EST	16:28 UT

Daylight Saving Time 2017

Begins 03/12/2017 - Ends 11/07/2017

Easter Dates 2017 Full Moon 04/11/2017

Easter Christian (Western) 4/16/2017 * Same date for both.
Eastern Greek (Orthodox) 4/16/2017 * Same date for both.