



*Pearl Harbor Special Event Certificate*

## ***The Aero Aerial***

The Newsletter of the Aero Amateur Radio Club  
Middle River, MD  
Volume 13, Issue 12  
December 2016

Editor Georgeann Vleck KB3PGN

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Club Nets

Joe Miko WB3FMT

Contests

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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.

## 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](mailto: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 <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
Fridays	7:30 pm	145.330	Back in the Day Net
When activated by NOAA		147.030	SkyWarn (primary)



I am sad to inform the AERO Club in the passing of one of our Members. On Sunday November 26, 2016, Charles Ester III, KC3ANJ, passed away suddenly at home. He was cremated and as of today there are no plans announced regarding memorial services. The club will pass this info on as we find out about any services or memorials.

Kelly his wife has requested the AERO club help out with taking down antennas and liquidating equipment. As this develops I will blast e-mail the club. Please support Kelly KC3APF in any way we can and keep her and Charles in your prayers.

Joe Miko President WB3FMT

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## **From the President's Cave**

### **Meeting Night Snow Plan**

I think we should keep the same SNOW PLAN as last winter.

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!

Any questions or suggestions?

Joe Miko, WB3FMT, President

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## **NET REPORTS**

**11-09-16: 28.445 MHz, 20:00 to 20:22 local.**

W3PGA Joe (NCS) Essex, KB3JVP Ken Middle River, W3VRD Phil Essex Running remote 80 miles South of Cape Canaveral, FL, W3JEH Ron Perry Hall

**11-23-16: No 2m net before the Thanksgiving holiday.**

11-30-16: 449.575 MHz

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## REMINDER



### AERO CHRISTMAS PARTY

**Wednesday, December 21, after the business meeting.  
Bring some goodies.**

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### 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](mailto:KB3PGN@reagan.com) for inclusion in the Aerial.



## VE CORNER

*by Pat Stone, AC3F*

The AERO VE Team held its test session on Sunday, November 13th, 2016 at the White Marsh Library. We served 2 applicants. Congratulations to new General Don Howard W3CAQ, and new Extra Ricardo Trujillo-Velez AB3ZW. Ricardo passed all 3 elements at this session. Way to go Ricardo!

A very special thanks to VE's: WB3FMT, KD3TP, KB3VAE, KB3KRV and AC0LP for assisting me with this session. It was a pleasure working with all of you.

Our next test session will be held at 1:15PM on Sunday, January 29<sup>th</sup>, 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 Aero Amateur Radio Club 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.

Joe Miko WB3FMT

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# Field Day Results for 2016

by Joe Miko, WB3FMT, From QST December 2016 issue pages 74-81

Last summer's Field Day event was a huge success by any accounts. There were **2,720** entries from the US, Canada and foreign counties. A total of **35,369** people participated in the event these folks made **1,299,207** contacts. And there were also 461 GOTA stations.

CW 578,545

Phone 668,241

Digital 52,421

Class A stations, using Emergency Power clocked in at 1,126 stations or clubs. The Aero club was a 5A class using 5 transmitters and running less than 150 watts.

In our class 5A there were 80 stations nationwide and 5 stations in the MDC area.

Of the 80 stations as a Class 5A we were number 35 with 634 contacts and 3,210 points. AERO was in the top 43.75%

The top score in 5A Class was W2LU with 3,025 contacts and 10,984 points.

In the MDC Section had 49 entries for all classes, we were 2 out of the 5 for our 5A class. AERO was in the top 40%

The top score in the MDC Section was W3M with 1,263 contacts and 4,856 points.

**Start planning for Field Day 2017, June 24 and 25.**

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# W3PGA Pearl Harbor Special Event

## General Script

The General Script used will keep information uniform for the entire event.

*Calling CQ CQ CQ from W3PGA, Special Event station commemorating the Dec 7<sup>th</sup> Bombing at Pearl Harbor. Calling CQ CQ CQ and listening.*

When a station responds the company line is simple.

*Thank for you contact W3PGA, Special Event station commemorating the life of those men and women lost on that dreadful day December 7<sup>th</sup> 1941. Please go to W3PGA.ORG or look us up on QRZ.com for QSL information.*

## QSL Information

We are not sending out cards by mail nor are we requesting cards by mail. Please refer everyone to QRZ.com or the club website W3PGA.org.

Please add a blurb to the website and QRZ page to submit all QSL requests to my email address [KE3HAY@gmail.com](mailto:KE3HAY@gmail.com). There may be up to a 2 week turn around for an email certificate as I will be doing them in the evenings on Monday, Tuesday and Saturdays.

In the email to me I need:

1. Call sign of station
2. Time and date of contact
3. Band/Frequency
4. GOOD email address for certificate

We will send certificates for SWL stations and ALL DX stations.

## Background

Some stations may not know what happened at Pearl Harbor so try to familiarize yourself with a few important details.

1. Just before 8 am 200 Japanese fighters bomb our American naval base.
2. They attacked us for about 2 hours.
3. We lost 2000 American sailors that day.
4. Franklin D. Roosevelt was president at the time Congress declared WAR.

## Frequency List

We should try to stay in the “popular” portion of the 75 – 40 – 20 meter bands. The general portion will yield more results typically. 2M contacts simplex are ok but usually not worth the effort. NO REPEATER CONTACTS will be honored.

Good frequencies on **20M** are **14.280, 14.295, and 14.305 (Coast to Coast during the Day)**

Good frequencies on **40M** are **7.178, 7.210, 7.220 (Early AM will be local and afternoon from Mississippi River East, Maine to Florida)**

Good frequencies on **75M** are **3.902-3.950 (Local States MD DE NJ WV PA VA all Day until after 2:00Z)**

## Logs

Please log using standard ADIF logs. It will make life easy if they are standard. N3FJP log is a good program. If you need a Program I have a free one that is freeware. Email all logs to Jerry N3VBJ. He will put them together and forward a final log to me for QSL verifications.

## Questions Comments or Concerns

Feel free to email me if you have any issues what so ever. During the special event I will answer emails in about 5 minutes and I will be operating most of the day and through the evening.

# UPCOMING HAMFESTS and EVENTS

## **Saturday, December 10, 2016: SANTA FEST**

### **American Legion Youth Camp, 9201 Surratts Road, Cheltenham, MD 20623**

Sponsor: American Legion & Prince George's County Emergency Repeater Assn.

Talk-In: 145.230 (PL 110.9)

Contact: Charles Hallock, AA3WS, 16203 Manning Road, West Accokeek, MD 20607, Phone: 301-535-1666, E-mail: [selbynet@hotmail.com](mailto:selbynet@hotmail.com)

## **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](mailto: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](http://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 taking the 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](mailto:timfarrell57@gmail.com)

## **Sunday, March 19, 2017: Winterfest**

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

[viennawireless.net/wp/events/winterfest](http://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](mailto: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](http://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@hamlontgraphics.com](mailto:herb@hamlontgraphics.com)

**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](mailto: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](http://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](mailto: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



# **AERO AMATEUR RADIO CLUB**

## **25 DAYS AND 25 NIGHTS OF FUN**

**When:** 00:00 UTC Sunday 01 January 2017 (19:00 EST Saturday 12/31/16)  
thru 04:59 UTC Thursday, January 26, 2017 (23:59 EST Wednesday 1/25/17)

**Eligibility:** All current AERO members.

**Station:** You may operate from any amateur radio station...from your home, a guest's home, terrestrial mobile, maritime mobile, aeronautical mobile, here or abroad.

*A station may even be operated remotely!*

**Bands & Modes:** Work any legal mode and band allowed by your license class.

*Echo Link, IRLP and Wires X contacts are permitted.*

**Repeater contacts are OK.**

**Scoring:**

Two (2) points per AM contact  
Three (3) points per FM contact  
Four (4) points per RTTY contact  
Five (5) points per CW contact.  
Six (6) points per DIGITAL contact  
Seven (7) points per SSTV contact  
Ten (10) points per ATV contact

**Bonus Points:**

Any contact via remote operation 100 points per contact.  
Any contact above the 70 cm band 250 points per contact.  
Any satellites including the ISS contacts 500 points per contact.

Any EME (earth-moon-earth) contact 1000 points per contact per team member

**Other Info:** The same station may be worked any number of times.  
The Winner of this contest gets "*the lamp*" and will run the contest next year.

**Results:** E-mail log sheets to WB3FMT at [joseph.miko@verizon.net](mailto:joseph.miko@verizon.net) by February 18, 2017. Contest results will be reported at the March 1, 2017 meeting of the AERO Club!

***HAVE FUN - TRY SOMETHING NEW!***  
***Remember the winner gets the coveted "Lamp".***

# From the Skies over Mt. Essex

## SKY Events for December 2016

Dec 2<sup>nd</sup> – Soviet Union's Mars 3, first craft to soft land on Mars

Dec 6<sup>th</sup> - Neptune is 0.7° S of the Moon

Dec 7<sup>th</sup> - First Quarter Moon and earliest Sunset

Dec 11<sup>th</sup> – Mercury greatest elongation E 21°

Dec 13<sup>th</sup> - Full Moon “Cold Moon” for the Traditional American and the “Bitter Moon” for the Chinese Full Moons.

Dec 13<sup>th</sup> - Aldebaran is 0.5° S of the Moon & Geminids meteor shower, Full Moon,  $\approx$ 120 per hr, prospects poor viewing.

Dec 14<sup>th</sup> – Tycho Brahe born in 1546.

Dec 18<sup>th</sup> – Regulus is 1.0° N of the Moon

Dec 20<sup>th</sup> - - Last Quarter Moon

Dec 21<sup>st</sup> - Winter Solstices 05:44 EST (10:44 UT) shortest day 9hrs 20 mins at 40° N.

Dec 21<sup>st</sup> - USA's Apollo 8, first manned craft to leave earth's gravity in 1968.

Dec 22<sup>nd</sup> – Ursids meteor shower peak, LQ Moon,  $\approx$  10 per hr, visible prospect poor.

Dec 29<sup>th</sup> – New Moon

**Sunrise 07:16 EST and Sunset 16:43 EST**

### Planet Lookout at mid-Month

**Mercury** Evening sets 18:06 mag -0.2, size 7.3 arc sec.

**Venus** Evening sets 20:10, mag -4.2, size 18.9 arc sec.

**Mars** Evening, sets 21:44, mag 0.8 and 6.1 arc sec.

**Jupiter** Morning rises 01:59, mag -1.8 and 33.9 arc sec.

**Saturn** Morning rises 06:55, mag 0.4 size 15.1 arc sec.

**Uranus** Evening rises 13:16, mag 5.7, size 3.7 arc sec.

**Neptune** Evening sets 22:40, mag 7.8 size 2.3 arc sec.

## Can you see me now! – The Pleiades M45

Known pre-historically. Mentioned by Homer about 750 B.C. Modern observing methods have revealed that at least about 500 mostly faint stars belong to the Pleiades an open star cluster located in Taurus the Bull, spread over a 2 degree (four times the diameter of the Moon) field.

The Pleiades also carry the name "Seven Sisters"; according to Greek mythology, seven daughters and their parents. Their Japanese name is "Subaru", which was taken to christen the car of same name.

On March 4, 1769, Charles Messier included the Pleiades as No. 45 (M45) in his first list of nebulae and star clusters, published 1771. The M45 star cluster is estimated to be 443 light-years away based on a 2014 finding.

How good is your eyesight? Traditionally, the average eye can see six stars in the Pleiades the exceptional eye seven.



Sky & Telescope

### Close-up Charts

The following 10 charts show some of the most-observed regions of the sky. Compared to those in the main atlas, these charts have a larger scale and include fainter stars and more detail

in nebulous areas.  
Chart A covers the Pleiades and some of the nebulosity around individual stars. This is the best-known open star cluster in the heavens, but here we omit the dotted

*continued on Chart D*

