



Dog Days of Summer are Here

The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
Volume 14, Issue 8
August 2018

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

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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 at 7:30 pm 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, PL 123.0
W3PGA **70 Cm:** INPUT : 444.575 MHz, OUTPUT : 449.575 MHz, PL123.0
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; arrive no later than 30 minutes after start time. \$15 charge.

2018 Examination Schedule

Time:	1:15 pm		
Dates:	Sunday, Sept. 23		
Where:	White Marsh Library		

White Marsh Library, 8133 Sandpiper Circle, White Marsh, MD

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	Balto. 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 Desk

Field Day 2019 Information

During FD18 the Aero ARC had a total of 590 contacts. That was 84 on CW and 506 on voice.

The break down was:

Band	CW	Digital	Phone
80			104
40			216
20	59		135
15	25		46
10			5
Totals	84		506
			590

We were able to contact 41 states, In TX we got half the state and for CA we got 2 sections. We also contacted Puerto Rico and 1 DX country. We also got 3 provinces in Eastern Canada.

We were unable to get: Washington State, Montana, Wyoming, Nebraska, Mississippi, Alaska, or Hawaii.

The following is the body counts for each day:

	Setup	Fri 6/22	Sat 6/23	Sun 6/24
Club Members		13	21	19
Visitors		2	5	2
Visiting HAMS			9	1
Totals		15	35	22

The Score for FD18 was 2,890 points, QSO score 1,348 and Bonus 1,550.

The FD info for the AERO ARC has been sent to the ARRL via email.

Thanks to all.

Joe M

For Sale

Flex Radio SDR1000 Radio

100 Watt output Includes built-in LDG Z-100 tuner.

Dell Celeron D computer running XP.

17" LCD monitor, keyboard, mouse.

M-Audio Delta 44 Audio Card installed.

PWRSDR V1.18.6 software installed and running.

Full cables between M44 and SDR1000.

All you need is a Power supply, mike and key.

\$350 for complete station....

Phil W3VRD

phock@comcast.net

NET REPORTS

7-11-18:

Attempted to run a ten meter net on the 11th. Started at 20:00 and for 10 minutes called for the net, no local response, but did talk to a K4 station in VA. – Joe M

7-25-18: 449.575r, 20:00 to 20:38 local.

Because the 24 machine is down, the club had the 24 net on the 440 machine.

W3PGA NCS Joe Essex, KC3FBM Franklin Parkville, W3VRD Phil Essex, W3JEH Ron Perry Hall, K3TEL Arnold Towson, N3VBJ Jerry (Remote from Sonoma CA), KB3JVP Ken Middle River

7 members on the net.

Note: Received an email from Eric Carl Sr. that his son Eric Carl Jr. KB3JDE passed away in Clarkrange, TN on 7/24/18. Eric had been a club member since the early to mid 2000.

Blast from the Past

In July of 2009 Al K3ROJ emailed this information to the club members. I checked, and the website is still up and running. – Editor.

----- Original Message -----

From: k3roj@k3roj.com

Sent: Tuesday, July 14, 2009 9:24 AM

Subject: Plenty of Manuals

Thanks to **Greg K3ANG** who sent me this link. We want to spread it around since there are many manuals I found which was not available on the internet. Here is the link: <http://www.ko4bb.com/>



VE CORNER
by Pat Stone, AC3F

The AERO VE Team held its third annual Field Day test session on Saturday, June 23th, at the Essex Sky Park. We served 6 applicants. Congratulations to new extra N3XTR Johnathan George, new General KC3CMS Dan Morgan, and new techs KC3LSV Maurice Hale and KC3LSW Nicole Ramlogan.

Many thanks to those who helped me set up for our test session Friday evening and a very special thank you to VE's: WB3FMT, KC3FBL, KC3FBM, AB3QK and KB3VAE for assisting me with our special FD session. You all did a great job. It was a pleasure working with all of you.

Our next test session for 2018 will be held at 1:15PM on Sunday, September 23 , at the White Marsh Library. Hope to see you then.

UPCOMING HAMFESTS and EVENTS

Sunday, August 5, 2018: 68th Annual Berryville Hamfest

Clarke County Ruritan Fairgrounds, Berryville, VA

Sponsor: Shenandoah Valley Amateur Radio Club

Website: [<http://svarc.us/hamfest/>>

Friday, August 24th to Sunday, August 26th: 60th ARRL West Virginia State Amateur Radio Convention

Jackson's Mill WVU Conference Center, Weston, WV

Sponsor: West Virginia State Amateur Radio Council

Talk-in: 145.390 (-) PL 123.0 WD8EOM

Website: <http://qsl.net/wvsarc/>

Saturday, September 01, 2018: Pennsylvania State Convention (Uniontown Gabfest)

Uniontown ARC Clubhouse, Uniontown, PA

Sponsor: Uniontown Amateur Radio Club

For more info, click on: [<http://w3pie.org/gabfest.htm>]

Printable Flyer: [<http://www.w3pie.org/W3PIEUARCHamfest2018.pdf>]



**Uniontown Amateur Radio Club
69th Annual Hamfest
Saturday, September 1, 2018**

ARRL PA STATE CONVENTION



The gates open 8:00 AM with vendors welcome at any time prior to 8:00 AM!

Location: Uniontown Amateur Radio Club Grounds, 433 Old Pittsburgh Road, just off Rte. 51 and US Rte. 119 in Uniontown, Pennsylvania.

Scheduled Forum & Information Table Speakers Include:

Tom Abernethy, W3TOM, Atlantic Div. Dir.

Learn about the future of ARRL & what is happening with ARES program

Bob Inderbitzen, NQ1R, ARRL Marketing Mgr.

Learn how your club can be bigger, more active & financially stronger

Tom Mills, AF4NC, EPA Asst. Sec. Mgr.

A look at the history of QSL cards & what makes for a responsive card

Dan Ringer, K8WV, WV Sec. Mgr.

Learn how to become a successful contester with a modest station

A comparison of Digital Voice methodologies, plus inexpensive ways to add DV to old repeaters & more. Meet National Weather Service & SKYWARN leaders.

Experience additional ham radio oriented demos throughout the day.

Visit our [W3PIE Facebook page](#) and our [web site](#) for updates.

New equipment dealers – including KJI ELECTRONICS

VE Testing Session at 1:00 PM, please remember to bring your photo ID and a copy of your license.

Talk in will be provided on 147.045 + (PL 131.8). Just call for W3PIE Gabfest Talk-In. This talk-in is provided for directions and Gabfest information. No check in is needed if you know how to get here!

As always, FREE admission with FREE parking available! World renowned W3PIE Breakfast & Lunch and other refreshments will be available! Free Swap-N-Shop Set-up with registration!

Tenative Hamfest Prizes (All prizes subject to availability)

1st Prize - Yaesu FTM-100DR Dual Band Digital Mobile

2nd Prize – MFJ-259C Antenna Analyzer

3rd Prize - Yaesu FTM-3200 65 Watt 2M Digital Mobile

BLACK BOX PRIZES & Door Prizes Awarded Throughout the Day

Directions available at www.w3pie.org/gabfest.htm - UARC address is 433 Old Pittsburgh Rd., Uniontown, PA

Contact Tony Alviar 724-430-1277 (M-F 8-4) or George Syner 724-439-1554 (leave message if no answer) or [e-mail us](#) if more information is needed. Also, Information is available anytime on 147.045 + (Full Time PL 131.8)

There is no charge for admission. Advance tickets for our main prizes are available.

Prices are as follows for advance tickets:

3 tickets for \$5, 7 tickets for \$10, 20 tickets for \$20, 40 tickets for \$30, 100 tickets for \$50, 300 tickets for \$100

DEADLINE FOR ADVANCE PRICES IS AUGUST 25, 2018

As an incentive for advance registration we are offering:

5 additional tickets if you spend \$10 for advance registration

10 additional tickets if you spend \$20 for advance registration

20 additional tickets if you spend \$30 for advance registration

50 additional tickets if you spend \$50 for advance registration

100 additional tickets if you spend \$100 for advance registration (Best Deal!!)

If you would like to take advantage of the advance ticket sales please go to our website and download the hamfest flyer. All information is on page 2 of the flyer.

Saturday, September 8, 2018: Virginia Beach Hamfest

Virginia Beach Convention Center, Virginia Beach, VA

For more info, click on: [<http://virginiabeachhamfest.com/>

Message from VBARC:

SPECIAL OFFER

IF YOU BUY 10 EARLY BIRD TICKETS - WE WILL GIVE YOU 1 TICKETS AS OUR WAY OF SAYING THANK YOU AND TO MAKE IT EVEN SPECIAL WE WILL THROW IN A TABLE TO SELL YOUR EQUIPMENT. You if your club is thinking about a table, then buy 10 tickets and the table is FREE.

VA. BEACH HAMFEST AND ELECTRONICS SHOW.

SAME LOCATION, GOOD VENDORS, LOTS OF FUN!

FORUMS, DISPLAYS, TABLE SALES, VENDORS

VE TESTING IN THE MORNING ONLY

ARRL DISCUSSIONS IN A 2 HOUR FORUM (noon til 2pm)

WALK-INS WELCOME

SEPT 8 2018 AT THE VIRGINIA BEACH OCEANFRONT

OUR 146.970 REPEATER IS DOWN, PLEASE USE

146.895, PL 141.3 FOR ANY TALK IN INFORMATION YOU NEED.

Douglas Duggan, N4IRK, PIO/VBARC/VB HAMFEST, 757-416-8782, Douglas.duggan@verizon.net

Sunday, October 7, 2018: CARAfest

Howard County (Maryland) Fairgrounds

Sponsor: Columbia Amateur Radio Association

For more info, click on: [<http://www.carafest.org/>]

Sunday, October 25, 2018: Mason Dixon Hamfest

Upperco, MD

Sponsor: Carroll County Amateur Radio Club

Website: <https://k3pzn.net/>

Saturday, December 8, 2018: Third Annual SantaFest

American Legion Youth Camp, Cheltenham, MD

Sponsor: Prince George's County Emergency Radio Association & American Legion

For more info, click on: [<http://pgares.org/santafest/>]

You may view upcoming Hamfests at: <http://www.arrl.org/hamfests-and-conventions-calendar>

Special Events

Civilian Conservation Corps (CCC) Amateur Radio Ops "On-The-Air",

Sat-Sun. August 11-12, 2018: begins Sat. 14:00z (10 am EDT), runs until Sunday 21:00z (5 am EDT) with activity during the even-numbered hours on 10, 20 and 80 meters, and during the odd-numbered hours on 15 and 40 meters.

Info: <http://www.qsl.net/ccc/> & <http://groups.yahoo.com/neo/groups/cccarops/info>

Maryland-DC QSO Party - Single Day Event

Sponsor: The Anne Arundel Radio Club (AARC)

Start: Saturday, August 11, 2018 1600 UTC [12:00 PM EDT]

Finish: Sunday, August 12, 2018 0400 UTC [00:00 AM EDT]

MDQSP Rules -

[https://www.w3vpr.org/sites/default/files/mdcqsoparty/Documents/Maryland QSO Party Rules 2018.pdf](https://www.w3vpr.org/sites/default/files/mdcqsoparty/Documents/Maryland%20QSO%20Party%20Rules%202018.pdf)

08/07/2018 | National Night-Out Against Crime, bring your H/T

08/12/2018 | VHF Meteor-scatter for Perseid meteor shower

08/18/2018 | International Lighthouse and Lightship (ILLW) Weekend

09/03/2018 | Brickyard 400 Special Event

09/08/2018 | Route 66 On-The-Air

11/02/2018 | AMSAT Space Symposium and General Meeting

For New Hams

Commentary from MDC Section Manager Marty Pittinger

"Emergency Communications is a Part of Amateur Radio"

Our close brush with Hurricane Chris over the Carolina's coast and Hurricane Beryl's approaching to the Caribbean reminds us preparedness is always needed. Since last year we witnessed many successes about the roll Amateur Radio plays in 'Whole Community Radio Communications.' Soon our EmComm opportunities will place us in a pivotal roll to support our neighbors, towns & cities, Maryland state & counties, and federal partners.

This will assure community leaders that we have the tools and resources necessary when disaster strikes for early warning disaster preparedness, mitigation and relief operations. The Amateur Radio Emergency Services' road ahead will be challenging as we learn new ways to collaborate in

the future through strategic planning. It is time to adapt standardize training, accountability, and alignment with our served agencies – but our expertise, techniques and capabilities will fill an ever increase void when communication infrastructures become unreliable. It is time for us to refresh and reengage in the core values of Amateur Radio's willingness to be ready, supportive and serve others.

What's your Survivable Communication Plan

'Survivable Whole Community Radio Communication' means every opportunity to demonstrate our knowledge and ingenuity to serve our neighbors. A recent Amateur Radio Newline™ Report 2124 talks about "Ham Radio Pairs With FRS for Maryland EmComm - on Friday, July 13, 2018 - this highlights the ways non-Ham communities and individuals without cell phones or non-Ham areas are capable of creating a substantial radio network for situational awareness and preparedness in disaster situations.

Having an updated Radio Frequency Assignment Worksheet (ICS FORM 217) & Operational Planning Worksheet (ICS 215) will make you better prepared for disaster planning, response and certainly situational awareness. You may hear and read the entire program at Amateur Radio Newline™ primarily via MP3 Internet Audio and downloadable TEXT file – go to the website at: <http://www.arnewline.org> website.

I Can Hear You Now But I Shouldn't

I recently a Ham tell a rogue station they are operating illegally on a local UHF repeater and should stop – after monitoring it was clear a nearby highway road crew was using the 440 Ham band – the crew was directing traffic in Virginia. I heard, "Start line one . . . stop line two." Given the limited Line-of-Sight distance of 70 cm it was simple to locate the construction area using Virginia's VDOT website. I then drove to the area to confirm visually and heard the highway crew was using "Simplex' on what appear to be those inexpensive wide-band VHF/UHF imported H/Ts.

The Amateur Radio band is under constant intrusion by numerous naïve, uninformed and malicious users. We must have a constant vigilance and commitment to report suspicious unlicensed radio activity on the bands. During disaster operations these unwanted transmissions could cause interference with essential emergency communications. Our MDC Section Official Observer Coordinator (OOC) recently asked the area OOs, "What have you been listening to lately?" To this I suggest we, as Hams, scan around and listen for the unusual, unlicensed, unlisted and the unwanted Amateur Radio band intruders and report these occurrence to our OOC and Section Staff – see <http://www.arrl-mdc.net> for contact information.

73,
Martin J Pittinger (Marty), KB3MXM
ARRL MDC Section Manager
kb3mxm@arrl.org

Source: MDC Section News, Vol. 13, No. 07, July 16, 2018

From the Skies over Mt. Essex

SKY Events for August 2018

Aug 2nd – Double shadow transit of Jupiter’s moons at 20:00 UT 16:00 EDT.

Aug 4th – Last Quarter Moon, Juno (Minor Planet) 1.2° S of the Moon 23:00 UT (8/5 19:00 EDT)

Aug 6th – Double shadow transit of Jupiter’s moons at 09:00 UT 05:00 EDT.

Aug 11th – New Moon, partial solar eclipse visible in extreme North American, Northern Europe and Asia, Not visible in the U.S.

Aug 13th – Perseid meteor shower at peak

Aug 17th – Venus greatest elongation East 46°

Aug 18th - First Quarter Moon

Aug 24th – Pluto downgraded from a Planet to a dwarf planet in 2006.

Aug 26th - Full Moon Colonial Full Moon name is “Dog Day’s Moon” and Cherokee as “Fruit Moon”

Planet Lookout at mid-Month

Sunrise 06:18 EDT and Sunset 20:01 EDT

Mercury - Later in month Morning. Rise 05:38 Set 19:12
Magnitude 1.1 Size 8.7 Arc Seconds

Venus - Evening. Rise 10:12 Set 21:47 Magnitude -4.5 Size 25.3 Arc Seconds

Mars - Evening. Rise 19:14 Set 04:11 Magnitude -2.4
Size 22.6 Arc Seconds

Jupiter - Evening. Rise 13:11 Set 23:31 Magnitude -2 Size 35.8 Arc Seconds

Saturn - Evening. Rise 16:58 Set 02:27 Magnitude 0.3 Size 17.6 Arc Seconds

Uranus - Evening. Rise 22:47 Set 12:14 Magnitude 5.8 Size 3.6 Arc Seconds

Neptune - Evening. Rise 20:56 Set 08:20 Magnitude 7.8 Size 2.3 Arc Seconds

Chance of Showers - Perseid Meteors!

Perseid meteors derive from Comet 109P/Swift-Tuttle. This comet was discovered July 19, 1862, by Lewis Swift 7/16/1862 and Horace Tuttle on 7/19/1862. The comet’s nucleus is 16 miles (26 kilometers) across. Comet 109P/Swift-Tuttle takes 133 years to orbit the Sun once. Swift-Tuttle last reached perihelion (closest approach to the Sun) in 1992 and will return again in 2125.

Each August, Earth crosses this debris stream, when the Earth crosses this stream the meteors appear to radiate from a single point. This radiant point is in the constellation Perseus, which gives the shower its name.

The Radiant Point’s location is Right Ascension (RA) and Declination (Dec) 03 hrs. 08 min, + 58°. At 01:00 EDT the altazimuth location is 132° horizontal (South-East is 135°) and 58° vertical

At its best, the Perseid shower delivers an average of 110 meteors per hour. This year the Moon won’t be a problem because we have a New Moon on the morning of the 11th.

The Green mark is the Radiant Point.

