



*FD 2018
Boy, what a tiring day!*

The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
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July 2018

Editor Georgeann Vleck KB3PGN

Officers

President	Joe Miko WB3FMT	Repeater	Phil Hock W3VRD Jerry Cimildora N3VBJ
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		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)

NO MEETING ON JULY 4

Aero Club is closed temporarily for the Independence Day holiday.

NET REPORTS

6-13-18: No 10 m net.

NCS WB3FMT Joe tried but had a high noise level S7 – S9 and a high SWR. With 10 minutes of calling, no one heard him. After he closed the net at 20:10 local, he discovered that a bad 2 way switch, replaced it with a spare and everything seemed to work OK.

6-27-18: 2 m net on the 449.575r, 20:00 to 20:20 local.

The Aero ARC had its 2meter net on the 440 machine this week because of a damaged control cable on the roof of Kenwood High School.

W3PGA NCS Joe Essex, KC3FBM Franklin Parkville, W3VRD Phil Essex, AC3F Pat Middle River, N3VBJ Jerry Remote from Joliet, IL, KB3JVP Ken Middle River, K3TEL Arnold Towson (Able to talk to Pat after the net)

7 members on the net. Topics: Field Day, and the down 24 repeater. Phil suggested that we use 24 in a simplex mode to keep it active. Jerry will notify TMARC. A solution to fix the repeater control line will be addressed at the next meet to be held on July 18th.

Upcoming Second Meeting Presentations

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>
TBA	FT8 – New Digital Mode	Phil W3VRD
TBA	Contest Logging with N1MM	Bob ND3D
TBA	The Acu-rite Weather Station	?Kelly KC3APF

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

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

The AERO VE Team held its third test session for 2018 on Sunday, May 27th, at the White Marsh Library. We served 6 applicants. Congratulations to new Generals KN4GXB John Lesser, KE0SBP Nathan Salminen, KC3KZD Steve Weeks, and new techs KC3LOX Dominik Gothe and KC3LOY Alex Krowzow.

A very special thanks to VE's: WB3FMT, KD3TP, KC3FBL, KC3FBM, and special assistant WA3QLY for sacrificing part of their Memorial Day weekend to assist me with this session. You all did a great job. It was a pleasure working with all of you.

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/>]

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>]

Saturday, September 8, 2018: Virginia Beach Hamfest

Virginia Beach Convention Center, Virginia Beach, VA

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

Sunday, October 7, 2018: CARAfest

Howard County (Maryland) Fairgrounds

Sponsor: Columbia Amateur Radio Association

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

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>

INFORMATION FOR NEW HAMS

from MDC Section Manager Marty Pittenger

Source: MDC Section News, Vol. 13, No. 06, June 14, 2018

PROPAGATION

The current Solar Cycle 24 is declining much more quickly than early predicted as the smoothed predicted sunspot number over the past few months is lower than forecasted. There is no indication by space weather experts of an early start of Solar Cycle 25 - expected to begin in late 2019 and continue through 2030.

Space weather conditions are to remain nominal for the next 30 days. Predicted solar flux is approx. 73 for ARRL Field Day 2018. Predicted planetary 'A' index will be around 5 to 8 during FD 2018.

Northern Hemisphere summer solstice is Thursday, June 21, just before ARRL Field Day weekend, so look for possible sporadic-E propagation on 10m, and 6M. With higher the normal Field Day 2018 temperatures and slight then higher chance of participation; less likely chance of VHF tropo-ducting. Remember to listen for 'Beacon' stations the gauge HF propagation, especially 10m - listen for those DXpeditions. Another excellent tool in the VOA Propagation Tool - <http://www.voacap.com/p2p/index.html>

See WM7D's Solar Resource Page - <http://www.wm7d.net/hamradio/solar/>

MSN CW TRAINING - Remember that the MSN provides CW training daily for newcomers to the mode, or those wishing to refresh their skills, daily at 7:30 PM on 3563 kHz.

Each trainee works with an assigned instructor off the net frequency to receive radiograms containing training information. Instructors work with each student at their own desired speed and check-in schedule. All are encouraged to master the art of CW via this net or personal training in order to support and join the ranks of our MDD Section CW net. Robin, AA3SB, MDD NM, and the veteran staff, will be glad to help you advance to the evening CW full Cycle 4 of the NTS.

FREE CERT TRAINING AVAILABLE IN THE DC AREA

Community Emergency Response Team (CERT) training via Homeland Security and Emergency Management Agency (HSEMA) and UCC will hold CERT training on July 10, 12, 17 and 19.

You may register at <https://volunteer.dc.gov/pages/pages/108>. Participants can apply to any time up to two weeks before the start of the course. Acceptances will be sent prior to the start of the course.

Fun Facts

February 17, 1965: U.S. Spacecraft Ranger 8 was launched from Cape Kennedy, Fla. and made a crash landing on the moon 3 days later after sending back more than 7000 pictures.



Ranger 8 image of the Moon from 302 km. The image was taken on 20 February 1965 and 9:55 UT, two and a half minutes before the spacecraft impacted on the lunar surface. The two large craters at upper center are Ritter (above left) and Sabine, each about 30 km in diameter. The Apollo 11 landing site is just off the right edge of the image at about 4:00. The image is about 130 km across and north is up. (Ranger 8, A030)

