



Fall is coming!

The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
Volume 14, Issue 9
September 2018

Editor Georgeann Vleck KB3PGN

Officers

President	Joe Miko WB3FMT	Repeater	Phil Hock W3VRD Jerry Cimildora N3VBJ
Vice-President	Jerry Cimildora N3VBJ	VE Testing	Pat Stone AC3F
Recording Secretary	Lou Kordek AB3QK	Public Service	Bob Landis WA3SWA
Corresponding Secretary	Pat Stone AC3F	Webmaster, Facebook	Jerry Cimildora N3VBJ
Treasurer	Warren Hartman W3JDF	Trustee	Dave Fredrick KB3KRV
Resource Coordinator	Ron Distler W3JEH	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

The meeting on September 5th is important! There are some items that the club members and officers need to vote on.

1. Rob KC3ROB has gotten quotes for Hats and Patches. There are two types of hats and 1 patch, we need to vote on either the hat or the patch.
2. Due to the 2 meter repeater problem, there appears be some solutions, other links ?, or to make the 24 machine a single site, rather than the current split site configuration.
3. Need help and ideas for the upcoming Skypark Wings and Wheels event to be held on September 15th, this is important because there are no other meetings before the Skypark event.

In the meantime keep using the 24 machine in a simplex mode on 147.24 MHz.

If you have any questions, please call me at 443 956-0197.

Thanks

Joe M

NEW CLASS: CW TRAINING

On April 15, 2018 Pat Stone AC3F began to hold CW training sessions, followed up by on-the-air code practice. The training sessions are held just prior to our regular bi-monthly club meetings at the Sky Park, from 7 pm to 7:30 pm, or until Joe announces the start of the meeting.

The first members expressing an interest in learning or sharpening their code skills were: Ken KB3JVP, David KC3IPK, Israel W1ASA, Frank KC3FBM, Jim KC3FBL, and Joe K2ODG. Bob ND3D volunteered to assist with training. Anyone unsure of whether CW is for them, Pat says you can sit in and listen to see if you would like to give it a try.

Learning Morse is fun but it requires lots of practice, so in addition to the bi-weekly training sessions at the Sky Park, Pat conducts on-air sessions on 146.55, 2 or 3 times a week. The schedule is below. If you can't make the on the air sessions, Pat can email you an MP3 file of the practice that she used on the air. Just send her a request for it. Once you have listened to the file, she asks that you email her whatever you are able to copy so she can check your progress. Please try to check in on the air when you can. (No check-ins, no MP3 file.)

SCHEDULE FOR ON THE AIR CW PRACTICE

Friday 8/17/18 **8PM** 146.55 alternate freq, 146.52

Sunday 8/19/2018 **8PM** 146.55

Tuesday 8/21/2018 **8PM** 146.55

Friday 8/24/2018 **8PM** 146.55

Sunday 8/26/2018 **8PM** 146.55

Tuesday 8/28/2018 **8PM** 146.55

Friday 8/31/2018 **8PM** 146.55

Sunday 9/2/2018 **8PM** 146.55

Wed. * 9/5/2018 7PM at the Sky Park see you there

Slow Speed CW Nets

NET	PURPOSE	FREQ.	TIME	UTC	DAYS	NCS
* <u>British Columbia Net</u>	Emergency Traffic	3.652.00	1900	1200Z	Daily	VE7XLH
* <u>Carolina Slow Net (CSN)</u>	Traffic/Practice	3.571.00	2000	0100Z	Daily	W4EAT
Empire Slow Speed (ESS)	Traffic/Training	3.576.00	1800	2300Z	Daily	WI2G
Florida Med.Speed Net	Traffic/Training	3.552.00	1830	1130Z	Daily	AG4RJ
* <u>Georgia CW Training Net</u>	Traffic/Training	3.549.00	2100	0100Z	Daily	AD4DX
Hit And Bounce Slow Net	Traffic/Training	3.576.00	1930	01330Z	Daily	N7MPS
Hoodview CW Net	CW Practice	28.130.00	1900	1300Z	Daily	AB7BI
* <u>Idaho Montana CW Net</u>	Traffic/Training	3.647.00	1900	1300Z	Daily	N7MPS
* <u>K9YA Slow Net</u>	Practice/Fun	7.137.00	1900	1300Z	Daily	N9BOR
* <u>Maine Slow Speed Net</u>	Training	3.585.00	1800	2300Z	Daily	W1QU
* <u>Maryland CW Slow Net</u>	Traffic/Training	3.563.00	1930	0230Z	Daily	W8CPG
Midsouth CW Training Net	Training	3.593.00	1800	1100Z	Daily	WD4PTJ
NARL CW Slow Net	Traffic/Training	28.180.00	0730	1230Z	Daily	AA1GW
NJ CW Slow Net	Traffic/Training	3.547.00	1830	2330Z	Daily	K2PB
* <u>Northern CA Slow Net</u>	Traffic/Training	3.705.00	2100	0100Z	Daily	WB6UZX
* <u>Ohio CW Slow Net</u>	Traffic/Training	3.705.00	1810	2310Z	Daily	WD8Q
Oklahoma CW Training Net	Traffic/Training	7.120.60	1720	2320Z	Daily	WB5KND
* <u>Oregon Section Net</u>	Practice/Chat	7.085.00	0900	0200Z	Daily	KC7SRL

<u>*Oregon Section Net</u>	Traffic/Training	3.587.00	2200	0300Z	Daily	KC7SRL
<u>*Oregon Section Net</u>	Traffic/Training	3.587.00	1830	2330Z	Daily	W7IZ
PA CW Training Net	Code Practice	3.537.00	1830	2330Z	Daily	N3SW
Sandia Valley Slow Net	Code Practice	7.063.00	2100	0200Z	Wed	WB7RHT
<u>* Texas Slow Net (TSN)</u>	Traffic/Training	3.552.00	1945	0245Z	Daily	W5ESE
<u>*Utah CW Net</u>	Traffic/Training	3.570.00	1930	0230Z	Daily	NA7G
<u>* VE2UMS CW Traffic Net</u>	Traffic	3.578.00	2000	0300Z	Daily	VE2CBW
<u>*West Coast Slow Net</u>	Traffic/Training	3.540.00	1900	0200Z	Daily	K7WCN

Note: * denotes net is affiliated with the National Traffic System
 Nets times posted in Standard Time

CW Net Report

by Pat Stone, AC3F

August 17

AC3F held the first session of our new CW training at 8PM EDT on 146.55 simplex. W3WFI Russ in Edgewood, KC3FBL Jim in Parkville and KC3FBM Frank in Parkville checked in. The net ran for 31 minutes. Everyone was given the opportunity to copy CW on the air. For some it was the first time. Thanks for checking, gentlemen.

August 19

The CW net began at 8PM. W3WFI Russ in Edgewood, Kc3FBL Jim in Parkville and Kc3FBM Frank in Parkville checked in. All were treated to 40 minutes of on air CW practice. Thanks again guys. It's a pleasure working with you.

August 21

AC3F started the CW net at 8PM on 146.55. W3WFI Russ, KC3FBL Jim, KC3FBM Frank and KB3JVP Ken in Middle River checked in. During the 42 minute net everyone did a great job copying the code. Thunder was heard just after the net closed. Glad we were able to get the net in before the storm. YEAH.

Supplemental Information

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 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.

Source: *MDC Section News, Vol. 13, No. 08, August 17, 2018*

NET REPORTS

8-8-18: 28.445 MHz, 20:00 to 20:42.

W3PGA NCS Joe Essex, WD3U Joe Rosedale, W3JEH Ron Perry Hall
There were 3 people on the net.

8-22-18: 147.24 MHz in a simplex mode, 20:00 to 20:44 local.

W3PGA NCS Joe Essex, KB3JVP Ken Middle River, KC3FBM Franklin Parkville, KC3FBL Jim Parkville, K3ANG Greg Lutherville, W3JEH Ron Perry Hall, K3TEL Arnold Towson, KC3AID Marty Martin State Airport

7 club members and 1 visitor on the net.

8-29-18: Special 220 Net, using Ron's W3JEH 220 repeater, on 223.84r MHz 20:00 to 20:35 local.

W3PGA NCS Joe Essex, KB3JVP Ken Middle River, W3JEH Ron Perry Hall (repeater's location), K3TEL Arnold Towson

There were 4 members on the net.



VE CORNER
by Pat Stone, AC3F

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

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 contest 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.

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.

Saturday, September 8, 2018: Virginia Beach Hamfest

Virginia Beach Oceanfront Convention Center, Virginia Beach, VA

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

Message from VBARC:

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

OUR 146.970 REPEATER IS DOWN, PLEASE USE

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

Contact: Douglas Duggan, N4IRK, PIO/VBARC/VB HAMFEST, 757-416-8782,

Douglas.duggan@verizon.net

Saturday, October 6, 2018: 6th Annual TailgateFest

Sponsor: St. Mary's County Amateur Radio Association

Hollywood Volunteer Fire Dept. Bingo Hall, 24801 Three Notch Rd. (MD Rte 235), Hollywood, MD 20636

Talk-In: 146.64(-) PL 146.2

Website: <http://www.k3hki.org/>

Contact: Chuck Gantz, K3WJX, Phone: 240-925-1105, Email: k3wjx@yahoo.com

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

09/03/2018 | Brickyard 400 Special Event

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

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

From the Skies over Mt. Essex

SKY Events for September 2018

Sept 2nd – Venus 1.4° S of Spica 09UT, 05:00 EDT

Sept 3rd -- Last Quarter Moon, Aldebaran 1.2° S of Moon at 02UT (22:00 EDT 9/2/18)

Sept 5th – Zodiacal Light visible N Lat in East before morning twilight, next 2 weeks. Also, Mercury is 1.0° N of Regulus.

Sept 7th – Neptune is at opposition.

Sept 9th – New Moon

Sept 16th - First Quarter Moon

Sept 21st – Venus at greatest illuminated 10UT, 06:00 EDT
Magnitude -4.8.

Sept 23rd – Fall Equinox 01:54UT, 21:54 EDT

Sept 24th – Full Moon, Colonial Full Moon name is “Harvest Moon” and Cherokee as “Nut Moon

Sept 29th – 1st Canadian satellite in Earth orbit, Alouette in 1962.

Planet Lookout at mid-Month

Sunrise 06:47 EDT and Sunset 19:14 EDT

Mercury - Morning. Rise 06:20 Set 19:10 Magnitude -1.5 Size 5.0 Arc Seconds

Venus - Evening. Rise 10:25 Set 20:29 Magnitude -4.8 Size 37 Arc Seconds

Mars - Evening. Rise 17:09 Set 02:21 Magnitude -1.7 Size 18.2 Arc Seconds

Jupiter - Evening. Rise 11:31 Set 21:41 Magnitude -1.9 Size 33.5 Arc Seconds

Saturn - Evening. Rise 14:55 Set 00:24 Magnitude 0.4 Size 16.9 Arc Seconds

Uranus - Evening. Rise 20:44 Set 10:10 Magnitude +5.7 Size 3.6 Arc Seconds

Neptune - Evening. Rise 18:52 Set 06:14 Magnitude +7.8 Size 2.3 Arc Seconds

The Brightest and Hottest Planet - Venus!

The Planet Venus is brightest planet visible from the Earth this month it will top out at -4.8 magnitude, the third brightest object following the Sun -26 and Moon at -13 magnitudes. A change in one magnitude is 2.51 times than the previous number. A magnitude difference of 5 makes an object a 100 timed brighter. The brightest star in the night sky is Sirius in Canis Major at -1.44 magnitudes. This month Venus reaches its greatest brilliancy on the 21st.

What makes the planet so bright also helps makes it hot! It's its clouds cover. Venus is covered by a thick cloud layer consisting of 96.5% carbon dioxide and 3.5% nitrogen and traces of other gases. The planet surface temperature is 864° F with night time temperatures falling as low as 814° F. The atmospheric pressure is 92 times greater than the Earth 14.5 pounds per inch.

Why so hot? First the planet is closer to the Sun than we are, on average 67.2 million miles from the Sun, we are 92.9 million miles. A day on Earth lasts 24 hours, on Venus it lasts 243 days. The planet rotates from West to East, the Sun rises in the West! A day on Venus is longer than its year which is 243 days.

Venus's atmosphere is a prime example of a runaway “Greenhouse” effect. Its closeness to the Sun and lack of a magnetic field caused solar radiation to leach the oxygen and water from the early atmosphere. The Earth's magnetic field helps shield the Earth's atmosphere from the damaging solar wind.

The second planet from the Sun is near Earth size, with a diameter of 7,520 miles, making a 100-pound person weigh in at 91 pounds. Over 98% of the planet has been mapped using earth-based and space probes. About 80% of the Venusian surface is covered by smooth, volcanic plains, consisting of 70% plains with wrinkle ridges and 10% smooth plains. Two highland "continents" make up the rest of its surface area, one lying in the planet's northern hemisphere and the other just south of the equator. 1 Wikipedia

Fun Fact: The planet of “Love” has all but one feature named for women, famous women from World Cultures.

