



The Dog Days of August are Here

The Aero Aerial

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

2017 Examination Schedule

Time:		1:15 pm	
Dates:		Sunday, September 10	
Where:		White Marsh Library	

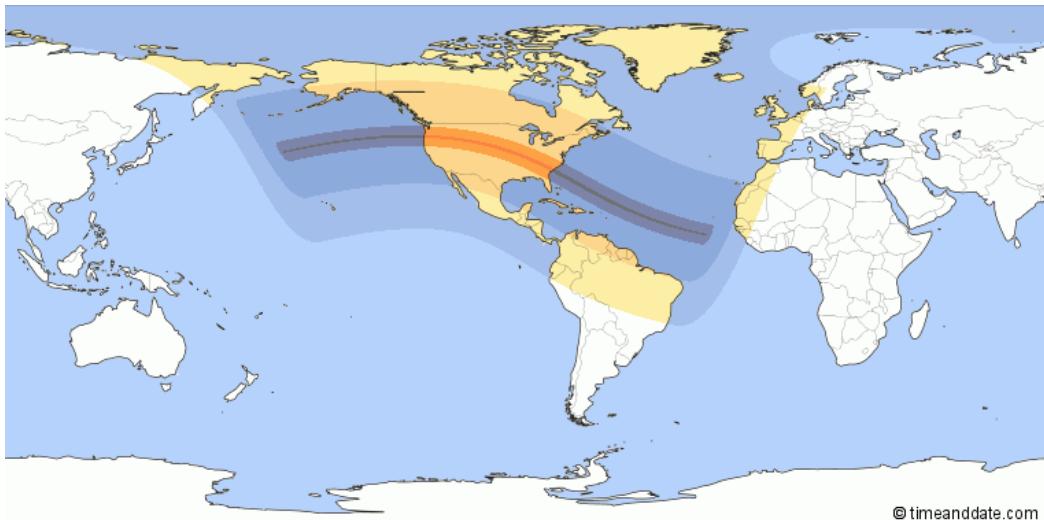
White Marsh Library, 8133 Sandpiper Circle, White Marsh, MD

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)

Coming Soon to a Sky Near You -- The Great American Eclipse



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

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

For more information, take a look at: <http://www.space.com/35555-total-solar-eclipse-safety-tips.html>

NET REPORTS

7-12-17: 28.445 MHz, 20:00 to 20:16 local.

W3PGA Joe Essex, KC3HXL Joel Essex, KB3VAE Rich Middle River, W3JEH Ron Perry Hall, KC3FBL Jim Parkville

A lot of local noise on 10 meters. There were 5 members on the net.

7-26-17: 147.240 MHz, 20:00 to 20:55 local.

W3PGA NCS Joe Essex, AA3GG George Parkville, KC3HXL Joel Essex, N3RES Ray Lutherville, W3VRD Phil Essex, KB3VAE Rich Middle River, N3EKO Ron Parkville, KB3JVP Ken Middle River, KD3TP Steve Mountain Road mobile, N3VBJ Jerry Towson, KC3FRH Chuck Baltimore

We had 11 members on the net.

Upcoming Second Meeting Presentations



<i>Date</i>	<i>Topic</i>	<i>Presenter</i>
<u>8/16</u>	<i>Day of the Dragon</i>	<i>Joe Miko WB3FMT</i>
TBA	Contest Logging with N1MM	Bob ND3D
TBA	The Acu-rite Weather Station	?Kelly KC3APF
TBA	Ham Radio in the Modern Age	Keon KE3HAY

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 annual FD test session on Saturday, June 24th, 2017 at the Essex Sky Park. We served 10 applicants. Congratulations to new Extra Don N1TTX, new Generals Ray N3RES and Scott KG7CKE, and new Techs Jeff KC3JLR, Steph KC3JLS, Marc KC3JLT, Joyce KC3JLW, Jasmine KC3JLU, and James KC3JLV.

A very special thanks to VE's: WB3FMT, KD3TP, KB3VAE, KC3FBL, KC3FBM, KB3KRV, and K2ODG for assisting me with this session. You all did a great job as usual. It was a pleasure working with all of you. A special thanks to Jerry N3VBJ for assisting our examinees and delivering the new HTs to 4 of the new hams who successfully completed their exams at this session.

Our next test session will be held at 1:15PM on Sunday, Sept. 10th, 2017 at the White Marsh library. Hope to see you there.

UPCOMING HAMFESTS and EVENTS

Sunday, August 6, 2017: 67th Annual Berryville Hamfest

Sponsor: Shenandoah Valley Amateur Radio Club

Clarke County Ruritan Fairgrounds, 890 West Main Street, Berryville, VA 22611

Website: www.shenvalarc.org/hamfest

Contact: Thomas Brownlee, AF2D, 744 Gafia Lodge Road, Middletown, VA 22645, Phone: 540-869-7065, E-mail: af2d@arrl.net

Saturday, September 9, 2017: Virginia Section Convention (Virginia Beach Hamfest)

Virginia Beach Convention Center, 1000 19th Street, Virginia Beach, VA 23450

Website: vbhamfest.com

Sponsor: Tidewater Radio Conventions

Talk-In: 146.970 (CTCSS: 141.3 Hz), W4KXV Virginia Beach Repeater

Contact: Carl Clements, W4CAC, 4500 Wake Forest Rd., Portsmouth, VA 23703, Phone: 757-235-4813,

E-mail: w4cac@cox.net

Sunday, October 1, 2017: CARA Fest

Howard County Fairgrounds, 2210 Fairgrounds Road, West Friendship, MD 21794

Website: www.carafest.org

Sponsor: Columbia Amateur Radio Association

Talk-In: 147.390+ (CTCSS: 156.7), K3CUJ repeater, Columbia, MD

Contact: David Parkison, KB3VDY, 1257 Stevens Ave., Arbutus, MD 21227, Phone: 410-977-1249,

Email: info@carafest.org

Saturday, December 9, 2017 : Second Annual American Legion PGCERA SantaFest

American Legion Youth Camp, 9201 Surratts Rd., Cheltenham, MD 20623

Website: pgares.org/santafest/

Sponsor: American Legion and Prince Georges County Emergency Repeater Association

Talk-In: 145.230 (CTCSS: 110.9 Hz), K3ERA repeater, Greenbelt

Contact: Charles Hallock, AA3WS, 16203 Manning Rd., West Accokeek, MD 20607 , Phone: 301-535-

1666, E-mail: selbynet@hotmail.com

Sunday, September 10, 2017: New Jersey State Convention

Gloucester County 4-H Fairgrounds, 235 Bridgeton Pike (Route 77), Mullica Hill, NJ 08062

Website: <http://w2mmd.org>

Sponsor: Gloucester County ARC - W2MMD

Talk-In: 147.180(+) (CTCSS 131.8), 40m 7.245 kHz & 20m 14.340 kHz ± 5 kHz

Contact: Sheldon Parker , K2MEN, 643 Betty Rose Avenue Gibbstown, NJ 08027, Phone: 856-423-1767,

Email: k2men@comcast.net

Saturday, April 21, 2018: Delaware State Convention (Delmarva Amateur Radio & Electronics EXPO)

Cheer Community Center, 20520 Sand Hill Rd., Georgetown, DE 19947

Website: www.radioelectronicsexpo.com

Sponsor: Sussex Amateur Radio Association

Type: ARRL Convention

Talk-In: 147.090 (CTCSS: 156.7 Hz), Sussex County ARES® Primary Repeater, Millsboro, DE

Contact: Herb Quick, KF3BT, PO Box 1431, Seaford, DE 19973, Phone: 302-629-4949, E-mail:

herb@hamiltongraphics.com

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

DID YOU KNOW ...?

BALTIMORE TRAFFIC NET: LOCAL NTS TRAFFIC AND TRAINING NET

The BTN continues to meet on 145.33/R (no tone) daily at 6:30PM local time and continues to welcome new amateurs. The availability of an active directed traffic net of the NTS on VHF is exactly why the BTN was established, providing a welcoming place for newcomers to the Amateur Service. Congratulations to N3RES on the upgrade to General. At least six other BTN members have advanced to HF and checked into the MEPN this year. Thanks to all.

Source: MDC Section news, July 14, 2017.

From the Skies over Mt. Essex

A Great Solar Eclipse

SKY Events for August 2017

Aug 3rd – Moon is 3° N of Saturn at 03:00 EDT, Uranus is stationary

Aug 7th - *Full Moon “Sturgeon”* for the Traditional American and the “Grain” for the English Full Moons. Partial Lunar eclipse not visible in Asia not US.

Aug 9th – Moon is 0.9 °S of Neptune at 19:00 EDT

Aug 12th – Perseid meteor shower peak, the moon is past full. Approx rate 90 per hr.

Aug 15th – Last Quarter Moon.

Aug 16th – Moon is 4° S of Uranus

Aug 21st - New Moon, Total Solar Eclipse

Aug 25th – Jupiter is 3° S of the Moon, Saturn is stationary.

Aug 29th - First Quarter Moon

Aug 30th – Saturn is 4° S of the Moon

Planet Lookout at mid-Month

Sunrise 06:19 EDT and Sunset 20:01 EDT

Mercury Eve sets at 20:25, mag 1.8, 10.2 arc sec.

Venus Dawn rises 03:25 mag -4.0, 13.5 arc sec

Mars Morn, rises 05:47, mag 1.8 and 3.5 arc sec.

Jupiter Eve sets 22:21, mag -1.8 size 33.1 arc sec.

Saturn Eve rise 16:04, mag 0.3 size 17.5 arc sec.

Uranus Eve rises 22:36, mag 5.9, size 3.3 arc sec.

Neptune Eve rises 20:49, magnitude +7.9 size 2.4 arc sec.



The Solar Eclipse of August 21 will cut a 70 mile wide path across the United States, bringing totality to 12 states. A partial phase of the eclipse will be visible in all 50 states. The eclipse total phase starts in near Newport, Oregon at 10:15 am PDT and continues across the US to Charleston, South Carolina ending about 16:00 EDT.

Information for Baltimore MD from the NASA web site is: Start 13:18:31 EDT, Midpoint 14:42:56 EDT, End 16:01:16 EDT, the eclipse will be 83% total as viewed in Baltimore.

Safety First! **Never** look at the Sun without proper eye protection. Special filters are required to view the sun in a partial phase, at least a number 14 arc welder's glass filter. Sunglasses are not safe at any time.

At the time of maximum totality for Baltimore at 14:42 EDT the sun will be 83% covered. You should be able to detect a slight darkening of the daytime sky.

