



Happy Thanksgiving!

The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
Volume 18, Issue 11
November 2022

Editor Georgeann Vleck KB3PGN

Officers

President	Joe Miko WB3FMT	Repeater	Phil Hock W3VRD Ken Erisman NE3A Dave Brunner AC3EO
Vice-President	Rob Ballou AE3B	VE Testing	Pat Stone AC3F
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Corresponding Secretary	Pat Stone AC3F	Webmaster, Facebook	
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Resource Coordinator	Ron Distler W3JEH	Club Nets	Joe Miko WB3FMT
		Contests	Bob Venanzi ND3D

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 – 70 Centimeters (449.575 MHz Repeater) @ 8 p.m. Local Time

Fourth Wednesday Net – 2 Meters (147.24 MHz Repeater) @ 8 p.m. Local Time

Fifth Wednesday Net – 10 Meters (28.445 MHz) @ 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.

2022 - 2023 Examination Schedule

Time:	NEW TIME: 11 am-2 pm	11 am-2 pm	11 am-2 pm
Dates:	NEW DATE: Sat., 11/12	Sat., 1/21/2023	Sat. 3/18/2023
Where:	American Legion, Rosedale	American Legion, Rosedale	American Legion, Rosedale

American Legion Post 180, 1331 Seling Ave., Rosedale, MD 21237

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	449.575	Aero ARC Net
4 th Wed	8 pm	147.240	Aero ARC Net
5 th Wed	8 pm	28.445	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

Jerome F. Cimildora, N3VBJ, SK

The Aero ARC is sad to report the passing of our friend and fellow ham, Jerry Cimildora on October 16, 2022. Jerry's passing came after a brief illness. Jerry turned 60 years old within the last two months.



FD 2022, Jerry is the one on the left.

He had been a member of the Aero Club since January 2014, and was the Club's WebMaster and repeater maintenance person. He was a club contest and Field Day fixture. His day job was with Racing Electronics, the company that handles the electronics for the racers in NASCAR and NHRA and provides the satellite links for the racing events to the Networks.



No information has been provided to the club about any arrangements as of this time.

Rest in Peace and 73, Jerry N3VBJ

Net Reports

10/12/22: 440 net, 08:00pm to 08:33.

W3PGA. NCS. Joe Essex; K3DON. Don Joppatowne; N3FQC. Don Perry Hall; AC3F. Pat. Middle River; WA3QYL. Tom. Middle River

5 participants

10/26/22: 2 meter net, 08:00pm to 08:10pm.

W3PGA. NCS Joe Essex; N3FQC. Don. Perry Hall; AC3F. Pat. Middle River; KC3CMS. Dan. NE Baltimore
4 participants

There will be a 10 meter net on November 30th.

VE CORNER

by Pat Stone, AC3F

VE Test Dates for 2023, revised 10/16/22



As of 11/14/20 the Aero ARC VEC began using the American Legion Post in Rosedale. All County and State Covid-19 protocols are being followed. The following dates have been approved by the AL Post. All test sessions will be on Saturday. Starting in 2023 Testing start times will be 11 am.

<i>Date</i>		<i>Confirmed or Alternate Date</i>
1/21/23	Sat	11am - 2pm Confirmed
3/18/23	Sat	11am - 2pm Confirmed
5/20/23	Sat	11am - 2pm Confirmed
6/24/23	Sat	11am - 2pm Confirmed at Essex Skypark
9/23/23	Sat	11am - 2pm Confirmed
11/18/23	Sat	11am - 2pm Confirmed

Submitted by Pat AC3F to Mary Jo at the American Legion 9/29/22.

Hamfests

04/29/2023 - [York Hamfest](#)

Location: Spring Grove, PA

Type: ARRL Hamfest

Sponsor: York Hamfest Foundation

Website: <http://yorkhamfest.org>

CLUB NEWS

Aero ARC at Essex Skypark's Wings and Wheels

by Joe Miko, WB3FMT

The Aero Amateur Radio Club made another fine showing at the Essex Skypark annual Wings and Wheels event, held this year on Saturday, September 17. The event was open to the public from 9 am to 4 pm. Aero members arrived about 8:00 am for setup. We had an information booth with information on Ham Radio and SKYWARN, and answered any questions the visitors had. In addition to information,

actual weather instruments were displayed, and an HF radio was setup and in operation.



The club's Field Day info, showing the various amateur radio the club and its members are involved in. Thanks to Steve Chalk KD3TP, Larry Hill KB3QWC and Rob Ballou AE3B for assisting in the setup prep. Steve brought his Kenwood radio and portable vertical antenna.



The HF station made its first contact at 10:17 am with KA4BDT in South Alabama made by Rob AE3B. The last contact was made at 4:06 pm by Harry Rundall AC3EK. His contact was to S57DX located in Slovenia, just east of Italy. All told, club members made 18 contacts, 17 on 20 meters.

As for the Airpark, I counted at least 2 dozen aircraft, 1 helicopter and about 30 antique or vintage cars and one vintage firetruck from La Plata, MD. The airport had an estimated 200 pilots and visitors at the day's event.



Great weather was ordered by the airport heads and was delivered, with temps in the upper 70's to low 80's, broken clouds, and 13 mph winds out of the south.

Food for this event was provided by "Two Guys." They came in with a stocked truck and a full menu from subs to chicken and crab cakes. The food was great with one exception! They always put our location down wind from the food setup. One problem this year was the batter used for the chicken? A number of people kept coming to our pavilion looking for Funnel Cake. Maybe next year!

Along with the full-size aircraft, the RC flying club that flies at the Skypark was also present, as well as members of the Science Technology Engineering and Math (S.T.E.M.) students participating in Flight Training held at the Essex Skypark. Parking support and traffic control was provided by Civil Air Patrol.

The Aero ARC as always put on a good showing; 9 members participated. The event photos were taken by Harry AC3EK.



Again thanks to all who supported the event from the Aero ARC, for set-up, operations, support and breakdown, a job well done and very well appreciated!



Lest Not Forget our Freedom, it is due to the Sacrifice of the Brave!

HAM NEWS

Veterans Day 2022 Special Events

Veterans Day is Friday, November 11, 2022, and will feature many opportunities for amateur radio operators to celebrate and honor Veterans throughout the holiday weekend.

Special event stations will be on the air across the country, including the Redding Veterans Amateur Radio Club, W6VET, in Redding, California, and the Veterans Day commemoration onboard the USS *Kidd* (DD-661), a World War II Fletcher-class destroyer, with the USS KIDD Amateur Radio Club in Baton Rouge, Louisiana.

The [Strategic Air Command & Aerospace Museum](#) in Ashland, Nebraska, has a full day of activities planned on November 11, including an amateur radio demonstration by the [Strategic Air Command Memorial Amateur Radio Club](#) (SACMARC) using the historic call signs of General Curtis Emerson LeMay, K0GRL, and the Offutt Air Force Base, K0AIR.

The American Legion Amateur Radio Club, K9TAL, is located at their national headquarters in Indianapolis, Indiana. Any station that contacts K9TAL on Veterans Day will receive a special QSL card.

The Wisconsin Maritime Museum in Manitowoc, Wisconsin, will celebrate Veterans Day on November 12 - 13, 2022. The USS *Cobia* Amateur Radio Club will be onboard and on the air from the USS *Cobia* World War II submarine. A commemorative QSL card will be issued for contacts made during the 2-day event.

A complete list of special event stations, including Veterans Day stations, is available at www.arrl.org/special-event-stations. Use "Veterans" in the keyword search.

ARRL Headquarters will be closed on Friday, November 11, in observance of Veterans Day. There won't be a W1AW bulletin or code practice transmissions on that day. ARRL HQ will reopen on Monday, November 14, at 8:00 AM EST.

The **Baltimore Traffic Net** (BTN) is a directed, local net of the ARRL National Traffic System (NTS). Its purpose is to handle message traffic throughout the coverage area of the repeater. It provides an opportunity for amateur radio operators interested in traffic handling to improve their skills and provide a service to the general community. If the 145.330 repeater is not operational, the backup is the 146.670 repeater. Liaisons from the Maryland Emergency Phone Net (MEPN), WL2K, Maryland Delaware DC (MDD), Digital Traffic System (DTS) are available.

<https://www.baltimoretraffic.net/>



The **Maryland Emergency Phone Net** (MEPN) is a section net of the American Radio Relay League (ARRL) National Traffic System (NTS). Its purposes are to provide efficient coordinated radio communication in time of emergency, to provide a means for people commonly interested in amateur radio to associate, and to further better cooperation among its members and the general community.

See more info ration about MEPN at https://www.arrl-mdc.net/MDC_NTS_NETS/MDCNTS71.htm

Monthly STM Report <https://www.arrl-mdc.net/NTS/MDCSTM2209.html>

MDC Section - State Government Liaison [SGL] - Report October 17, 2022

by David E. Williams, W3DKL

Accomplishments during the Past Month

Maryland codified 47 CFR §97.15 into the Annotated Code of Maryland, Section 1-1317, Annotated Code of Maryland. Disseminated the new MD law to ARRL affiliated ham radio clubs' points of contact and several other non-affiliated ham radio clubs points of contacts. Received several emails from several amateur radio enthusiasts recommending similar legislation to protect amateur radio enthusiasts bound by CCR's.

MARYLAND Legislative Bill HB-331 is a new Law in October 2022. Law title is "Regulation of Amateur Radio Station Antenna Structures." Requiring that an ordinance adopted by a county or municipality to regulate amateur radio station antenna structures may not preclude amateur radio communications, must accommodate amateur radio communications, and must constitute the minimum practicable regulation to accomplish the purpose of the ordinance. MDC Section is seeking volunteers as appointed LGL and SGL. Read more at

<https://mgaleg.maryland.gov/mgawebsite/Legislation/Details/hb0331>

MDC Section is seeking volunteers as LGL - Local Government Liaison to maintain awareness of county or MD State legislative actions involving Amateur Radio, related Radio Comms initiatives. The Local Government Liaison (LGL) monitors local government dockets consistently, offers local, organized support quickly when necessary, and is known in the local amateur community as the point man for local government problems. LGLs are appointed by and report to the Section Manager, or State Government Liaison (acting under delegated authority from the SM).

<https://www.arrl.org/local-government-liaison>

Source: MDC Section News | October 2022

From the Skies over Mt. Essex

SKY Events for November 2022

Time EDT GMT- 4 Hrs EST - GMT 5

Nov 01	01:37 EDT 21:37 UT	FIRST QUARTER MOON
01	16:08 EDT 20:08 UT	Saturn 4.2°N of Moon
04	15:19 19:19 UT	Jupiter 2.4°N of Moon
05	13 17 UT	S Taurid Meteor Shower
06	02 EDT 06 UT	Daylight Savings Time Ends
08	05:59 10:59 UT	Total Lunar Eclipse.
08	06:02 11:02 UT	FULL Beaver MOON
08	11 16 UT	Mercury at Superior Conjunction
09	04 09 UT	Uranus at Opposition
09	07:16 12:16 UT	Pleiades 2.7°N of Moon
11	08:43 13:43 UT	Mars 2.5°S of Moon
12	12 17 UT	N Taurid Meteor Shower
13	18:43 23:43 UT	Pollux 1.7°N of Moon
14	01:41 06:41 UT	Moon at Apogee: 404924 km
16	08:27 13:27 UT	LAST QUARTER MOON
17	19 00 UT	Leonid Meteor Shower
20	22:36 10:36 UT	Spica 4.3°S of Moon; Edwin Hubble born in 1889
23	17:57 22:57 UT	NEW MOON
25	20:30 01:30 UT	Moon at Perigee: 362826 km
26		First meteor photograph in 1885
28	23:40 04:40 UT	Saturn 4.2°N of Moon
30	09:36 14:36 UT	FIRST QUARTER MOON

Planet Lookout at mid-Month

Sunrise 06:41 EST and Sunset 16:52 EST

EST Arc Sec

Mercury Too close to the Sun all months.

Venus Evening Rises 07:11, Sets 17:12 Mag -3.9 and 9.9 "

Mars Evening Rise 18:30, Sets 09:20, Mag -1.5 and 16.5"

Jupiter Evening Rises 14:23, Sets 02:20, Mag-2.7 size 45.7"

Saturn Evening Rises 12:38, Sets 23:01, Mag+0.7 size 16.9"

Uranus Evening 16:25 Sets 06:16; Mag +5.8 size 3.7"

Neptune Evening Rises 14:07 Sets 01:51; Mag +7.9 size 2.4"

Full Lunar Eclipse and Election Day!

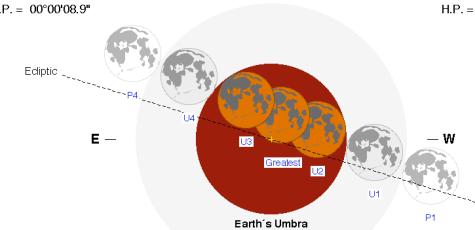
Total Lunar Eclipse of 2022 Nov 08

Ecliptic Conjunction = 11:03:18.4 TD (= 11:02:05.3 UT)
 Greatest Eclipse = 11:00:22.0 TD (= 10:59:08.8 UT)
 Penumbral Magnitude = 2.4143 P. Radius = 1.2164° Gamma = 0.2570
 Umbral Magnitude = 1.3589 U. Radius = 0.6783° Axis = 0.2404°

Saros Series = 136 Member = 20 of 72

Sun at Greatest Eclipse
 (Geocentric Coordinates)
 R.A. = 14h54m11.2s
 Dec. = +16°37'47.0"
 S.D. = 00°16'08.5"
 H.P. = 00°00'08.9"

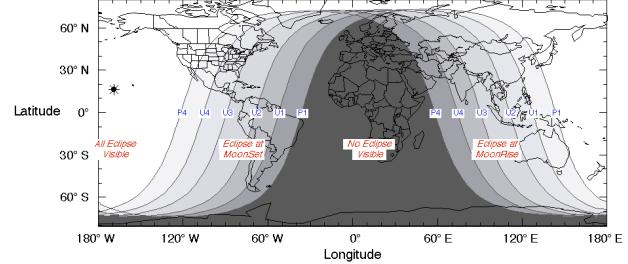
Moon at Greatest Eclipse
 (Geocentric Coordinates)
 R.A. = 02h53m48.1s
 Dec. = +16°51'06.7"
 S.D. = 00°15'17.7"
 H.P. = 00°56'07.8"



Eclipse Durations
 Penumbral = 05h53m51s
 Umbral = 03h39m50s
 Total = 01h24m58s

AT = 73 s
 Rule = CdT (Danjon)
 Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html



2009 Apr 29

This Lunar eclipse will be visible in the Tuesday morning hours of November 8th. The eclipse contacts are:

Penumbral 1 = 08:02 UT/03:02 EST Start of Eclipse

Umbral 1 = 09:09 UT / 04:09 EST

Umbral 2 = 10:16 UT / 05:16 EST

Umbral 3 = 11:41 UT / 06:41 EST also Sunrise

Umbral 4 = 12:49 UT / 07:49 EST

Penumbral 4 = 13:56 UT / 08:56 EST End of Eclipse

The Penumbral is the light outer Earth shadow, the Umbra is the darker Earth shadow.

The color of the moon's surface at mid-point 10:59 UT or 05:59 EST can range from bright red to a charcoal color. This depends on the amount of pollutants in the atmosphere.