



THE AERO AERIAL

THE NEWSLETTER OF THE AERO AMATEUR RADIO CLUB

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**Aero Club
membership dues**

REMINDER

**\$24.00 is due by
March 31, 2024**

**Send to: Tom Hawkins
2228 Southorn Rd
Middle River, MD 21220**

Ham News

Amateurs of Action - The Women of Radio

From Domestic Preparedness

During Women's History Month, read about some women who represent the spectrum of talented amateur radio operators nationwide, proving that emergency management and preparedness are everyone's responsibility. [Read more](#)

New Legislation: Amateur Radio Emergency Preparedness Act

From Senate Press Release

U.S. Senators Roger Wicker, R-Miss., and Richard Blumenthal, D-Conn., introduced legislation to give amateur radio operators the right to install their antennas and serve their community. [Read more](#)

Events

VA Section Winterfest and Skywarn Reps

Date: 3/10/2024, 8 am-2 pm

Location: Oakton High School in Vienna, VA

Website: <https://viennawireless.net/wp/winterfest-key-info/>

Fredfest '24

Date: 3/10/2024

Sponsor: Frederick Amateur Radio Club

Location: Frederick, MD

Website: <http://frederickarc.org>

Maryland Mobileers Spring Hamfest

Date: 4/21/2024

Location: Odenton, MD

Sponsor: Maryland Mobileers Amateur Radio Club

Website: <https://sites.google.com/view/marylandmobileers/hamfest>



More Ham News

Bob Heil, K9EID, Silent Key

The man who defined the sound of live rock 'n' roll music and brought audio engineering principals into mainstream amateur radio use, Dr. Bob Heil, K9EID, has passed away at the age of 83. [Read more](#)

International Women's Day YL POTA Party

From Young Ladies Radio League (YLRL)

The YLRL is hosting an International Women's Day YL Parks on the Air® (POTA) Party from 0000Z - 2359Z on March 8. Mode: Any! SSB, CW, SSTV! [Read more](#)

The First Amateur Radio Station on the Moon, JS1YMG, Is Now Transmitting

From ARRL News

The JAXA Ham Radio Club (JHRC), JQ1ZVI, secured amateur radio license JS1YMG for LEV-1, which has been transmitting Morse code on 437.41 MHz since January 19. [Read more](#)

Amelia Didn't Know Radio

From Naval History Magazine

With recent talk at W3PGA meetings about Amelia Earhart, you may be interested in his 1993 article about what Amelia did and did not know about the radios on her plane. [Read more](#)

More Events

The Great Hagerstown Hamfest

Date: 5/4/2024

Location: Maugansville, MD

Sponsor: Antietam Radio Association

Website: <https://antietamradio.org>

MFMA Memorial Weekend Hamfest

Date: 5/26/2024

Sponsor: Maryland F.M. Association, Inc.

Location: West Friendship, MD

Website: <http://marylandfm.org>

BARC Father's Day Hamfest and Swapmeet

Date: 6/16/2024

Sponsor: Baltimore Amateur Radio Club

Location: Upperco, MD

Website: <http://w3ft.com>



Field Day

Mark your calendar! Field Day will be held the weekend of June 22-23 at the Essex Sky Park. There will be nonstop fun, food, and radios. A testing center will also be available for anyone who wants to get a new license or upgrade their certification. See you there!

Take a look at how much fun we had last year!

<https://youtu.be/sgl8XbU0b3g?si=v2baW3lt09rqU1oE>

Training

SKYWARN® Basics Class

Will be held on Thursday, April 18, 2024, 6-8 p.m. at Prince George's EOC: 7915 Anchor Street, Landover, MD 20785.

SKYWARN® Advanced Flood Class

Will be held on Thursday, May 23, 2024, 6-8 p.m. at Prince George's EOC: 7915 Anchor Street, Landover, MD 20785.



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.

W3PGA Exam Location

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

Contact

Patricia Stone, AC3F
email: ac3f@juno.com
landline: 410-687-7209



NOTICE FOR EXTRA CLASS LICENSING

FCC EXTRA CLASS QUESTION POOL WILL BE REVISED ON JULY 1, 2024. IF YOU'VE BEEN STUDYING FOR THE EXAM, BE SURE TO SIGN UP AND TEST BEFORE JULY 1.

VE CORNER

Pat Stone, AC3F

Upcoming AERO ARC Testing

03/23/2024 | [Rosedale MD 21237-1642](#)

Sponsor: AERO ARC

Location: American Legion Post 180

Time: 11:00 AM (No Walk-ins / Register or Call ahead)

05/18/2024 | [Rosedale MD 21237-1642](#)

Sponsor: AERO ARC

Location: American Legion Post 180

Time: 11:00 AM (No Walk-ins / Register or Call ahead)

06/22/2024 | [Essex MD 21221-6507](#)

Sponsor: AERO ARC

Location: Essex Sky Park

Time: 12:00 PM (Walk-ins allowed)

09/21/2024 | [Rosedale MD 21237-1642](#)

Sponsor: AERO ARC

Location: American Legion Post 180

Time: 11:00 AM (No Walk-ins / Register or Call ahead)

11/16/2024 | [Rosedale MD 21237-1642](#)

Sponsor: AERO ARC

Location: American Legion Post 180

Time: 11:00 AM (No Walk-ins / Register or Call ahead)



SKYWARN, ARES, RACES

Harford County ARES/RACES Group meets at the Harford County Emergency Operations Center in Forest Hill, MD, the first Thursday of each month, 7:00-9:00 p.m. Let them know in advance if you would like to attend, via email to Steven Fook (K2EJ), Harford County Emergency Coordinator.

The Harford County, MD, ARES on-air net meets on the second and fourth Tuesday of each month, 7:00 p.m. on the KC3FHC analog repeater, frequency 146.775, (-) PL tone 146.2. ARES/RACES membership is not a requirement to participate in the net.



**"When Everything Else Fails.
Amateur Radio often times is
our last line of defense....
When you need amateur
radio, you really need them."**

**The Hon. W. Craig Fugate
Administrator, US Department of
Homeland Security, FEMA**



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

Net Reports

Joe Miko, WB3FMT

The Aero ARC had its 440 Net on 2/14/24, it ran from 20:00 - 20:18 Local. There were 6 participants on the Net.

W3PGA NCS	Joe	Essex
KB3QWC	Larry	Middle River
WA3QLY	Tom	Middle River
AC3F	Pat	Middle River
KB3VAE	Rich	Essex
KB3FBL	Allan	Towson

The Aero ARC had its 2 Meter Net on 2/28/24, it ran from 20:00 - 20:40 Local. There were 6 participants on the Net.

W3PGA NCS	Joe	Essex
K3DON	Don	Joppatowne
WA3QLY	Tom	Middle River
AC3F	Pat	Middle River
KB3VAE	Rich	Essex via Phone
KB3FBL	Allan	Towson relayed via Don

Local Area Nets

Day	Time	Freq. (MHz)	Net Name
Daily	9 - 10 am	146.670	Oriole Net
Daily	6 pm	3.820	Maryland Emergency Phone Net
Daily	6:30 - 7 pm	146.670 PL 107.2	Baltimore Traffic Net
Daily	7 pm & 10 pm	3.643	MD/DC/DE Traffic Net
2nd Tue	7:30 pm	146.670	Baltimore County RACES Net
2nd Wed	8 pm	449.575	Aero ARC Net
4th Wed	8 pm	147.240	Aero ARC Net
5th Wed	8 pm	28.445	Aero ARC Net
When activated by NOAA		147.030	SkyWarn (primary)

From the Skies over Mt. Essex

SKY Events for March 2024

(h:m)	
Mar 03 03:16	Antares 0.4°S of Moon
03 10:24	LAST QUARTER MOON
07 23:59	Mars 3.5°N of Moon
08 12:01	Venus 3.3°N of Moon
10 02:00	Daylight Saving Time Starts EDT
10 03:06	Moon at Perigee: 356895 km
10 05:00	NEW MOON
11 21:18	Moon at Ascending Node
13 21:02	Jupiter 3.6°S of Moon
14 22:54	Pleiades 0.4°N of Moon
16 00:11	FIRST QUARTER MOON
17	Happy St. Patrick 'Day
17 07	Neptune in Conjunction with Sun
17 13	Mercury at Perihelion
19 02:44	Pollux 1.5°N of Moon
19 13	Venus at Aphelion
19 23:07	Vernal Equinox
21 17	Venus 0.3°N of Saturn
21 23:46	Regulus 3.6°S of Moon
23 10:44	Moon at Apogee: 406292 km
24 17	Mercury at Greatest Elong: 18.7°E
25 02:00	FULL MOON
25 03:13	Pen. Lunar Eclipse; mag=0.956
25 00:07	Moon at Descending Node
26 15:40	Spica 1.4°S of Moon
30 10:24	Antares 0.3°S of Moon

Planet Lookout at mid-Month

Sunrise 07:18 EDT and Sunset 18:13 EDT

Mercury Morning Rise 06:07 Set 19:04; Mag +4.5 Size 11.6 arc seconds

Venus Morning Rise 06:01, Sets 18:30, Mag -3.9 and 10.1 arc seconds.

Mars Morning Rise 04:59, Sets 16:29, Mag +1.2 and 4.6 arc seconds wide.

Jupiter Morning, Rises 07:42, Sets 21:43, Mag-2.0 size 33.4 arc seconds.

Saturn Evening, Rises 04:53, Sets 16:13, Mag+1.0 size 16 arc seconds.

Uranus Evening **Rises** 07:43 Sets 21:40; Mag +5.8 size 3.3arc seconds.

Neptune Evening Rises 05:24 Sets 17:18; Mag +7.9 size 2.4 arc seconds.

The Dragon Ate the Sun!

The Dragon ate the Sun, don't believe me, just ask the Chinese. In ancient China, the solar and lunar eclipses were regarded as heavenly signs that foretell the future of the Emperor and so predicting eclipses was of high importance for the state. Over four millennia ago, legend has it that two astrologers, Hsi and Ho, were executed for failing to predict a solar eclipse.

The reason was that whoever was on the throne would take the wrath of the Dragon. So, when the Astronomers told the emperor of an impending solar eclipse, the emperor would leave town and place a minor official in his place. So this is the story of two astronomers parting it up the day before the eclipse and slept late the day of eh eclipse, you can rest assured the replacements astronomers didn't make the same mistake.

We are having a total eclipse of the Sun crossing the U.S. from the Texas, to Maine. The eclipse is caused by the Moon crossing the path of the Sun and blocking it out of view. The path of totality is about 70 miles wide, the path of the Partial eclipse is several 100 miles wide. On April 8th, 2024, the Moon will cover 88% of the Sun surface as seen from Baltimore. Even with 88% of the Sun's surface covered it is still too bright to look at.

To safely view the Sun, you can use an #14 Arc Welding Glass, the same used in a welding helmet, a cardboard box with a pin hold used as a projection, use with your back to the pinhole, you should be able to see an image of the sun.

Solar Eclipse Information visible from Baltimore MD.

Date	Type	Start EDT	Sun Alt	Mid- Point	End EDT	Sun Alt
4/8/24	P	14:05	56°	15:21 46°	232°	16:33 34°

Total Eclipse will be 88.2% of the Sun's surface will be covered as seen in Baltimore, MD.

About the Aero Amateur Radio Club

Officers		Committees	
President	Joe Miko, WB3FMT	Repeater	Phil Hock, W3VRD Ken Erisman, NE3A Dave Brunner, AC3EO
Vice President	Rob Ballou, AE3B	VE Testing	Pat Stone, AC3F
Recording Secretary	Larry Hill, KB3QWC	Public Service	Bob Landis, WA3SWA
Corresponding Secretary	Pat Stone, AC3F	Webmaster, Facebook	Rob Ballou, AE3B
Treasurer	Tom Hawkins, WA3QLY	Trustee	Dave Frederick, KB3KRV (W3PGA) Jim Marshall, KC3FBL (AE3RO)
Resource Coordinator	Ron Distler, W3JEH	Club Nets	Joe Miko, WB3FMT
		Contests	Bob Venanzi, ND3D
	Newsletter Editor	Cathy Feinman, W3CLF	
		Website: http://w3pga.net	
		Facebook: https://www.facebook.com/W3PGAClub	
		Email: w3pgaclub@gmail.com	

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