



THE AERO AERIAL

THE NEWSLETTER OF THE AERO AMATEUR RADIO CLUB

1 Ham News

2 Events

3 Sad News

3 Training

5 VE Corner

6 SKYWARN/ ARES/RACES

7 Net Reports

8 From the Skies Over Mt. Essex

9 About the Club

April 8 Solar Eclipse

REMINDER

In Baltimore, we will see
88.2% of the Sun's surface
covered during the event.

Partial will start at 14:05

Midpoint 15:21

Partial will end at 15:21



Ham News

Facebook Help Wanted

From VE9KK the World of CW Blog

The "new Facebook experience" means that the club's page can be added to other Facebook users to control it. Rob, AE3B, would like to get at least one other person added for continuity. This means you would have access to the page from YOUR facebook page, so it's easier than ever. Contact Rob, AE3B, if you'd like to volunteer to help!

What's Going on With Morse Code

From VE9KK the World of CW Blog

Have you thought about adventuring into the world of CW? Way back CW was a must if you wanted your ham license to get onto HF. Now people just want to do it for their personal reasons. [Read more](#)

Events

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](https://sites.google.com/view/marylandmobileers/hamfest)

York Hamfest

Date: 4/27/2024

Location: Spring Grove, PA

Sponsor: York Hamfest
Foundation

Website:
www.yorkhamfest.org

(see page 4 for more details)

The Great Hagerstown Hamfest

Date: 5/4/2024

Location: Maugansville, MD

Sponsor: Antietam Radio
Association

Website: [https://
antietamradio.org/hamfest](https://antietamradio.org/hamfest)

More Ham News



Fifty Things You Can Do With a Software Defined Radio

From blinry Blog

An invisible world always surrounds us and allows us to do many amazing things: It's how radio and TV are transmitted, it's how we communicate using Wi-Fi or phones. And there are many more things to discover there, from all over the world. In this post, learn fifty things you can find there - all you need is this simple USB dongle and an antenna kit!

[Read more](#)

World Amateur Radio Day

From ARRL

The theme for 2024 is, "A Century of Connections: Celebrating 100 Years of Amateur Radio Innovation, Community, and Advocacy." The global event covers all of the International Amateur Radio Union (IARU) regions and spans 2 days: Thursday, April 18, 2024, 0000 UTC to Friday, April 19, 2024, 0000 UTC. [Read more](#)

Amateur Radio Stands Ready to Support Eclipse Operations

From ARRL News

The upcoming April 8, 2024, solar eclipse has many excited about the opportunity to witness the darkness of totality. The travel impact alone could be substantial. Ham radio operations are ready to help as needed. [Read more](#)

SAD NEWS

Steve Chalk's mother, Sarah Jane Chalk, passed away at age 91 on March 29. The family has requested that no flowers be sent, donation can be sent to the Church of the Guardian Angel in Remington, in Baltimore City.

Larry Hill's brother passed away on March 29 after a long illness. He lived on the Eastern Shore of MD.

More Events

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/sql8XbU0b3g?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.



ANNOUNCING THE
2024 YORK HAMFEST

Sponsored by the York Hamfest Foundation
One of the Area's Oldest Hamfests, our 68th Year



SATURDAY, APRIL 27, 2024
8:00 AM TO 1:00 PM

ELICKER'S GROVE PARK
511 Roth Church Rd
Spring Grove, PA 17362
Easy access from York, PA or Hanover, PA
PLENTY OF FREE PARKING!

TAILGATING AND LIMITED UNDER COVER SPACES

- **TAILGATING SET UP AT 6 AM SATURDAY MORNING:** \$10 per 10' space (outside) or table (pavilion), \$5 for each additional space, plus admission
- **GENERAL ADMISSION AT 8 AM**
 - \$7 per person
 - Children Under 16 FREE when accompanied by an adult
 - Unlicensed Spouses FREE
- **RAIN OR SHINE**
- **COMMERCIAL VENDORS ARE EXPECTED TO COLLECT & REMIT PA SALES TAX**
- **FREE VE TEST** – Registration starts at 10:30 AM – Testing at 11:00 AM
(Admission fees paid can be refunded upon registration for testing, full ticket and stub are required)
- **FOOD VENDOR WILL BE AVAILABLE**
- **CARD CHECKING FOR DXCC/WAS/VUCC/WAC**
- **DOOR PRIZES** (Don't have to be present to win grand prize)
- **FLUSH TYPE BATHROOMS ARE BACK**
- **VENDORS ARE NOT ALLOWED ON PREMISES PRIOR TO 5:00 PM FRIDAY THE 26th**

CHECK OUR WEBSITE FOR UPDATES: www.yorkhamfest.org
FOR GENERAL INFORMATION: duane.sterner@yahoo.com

TALK IN: W3MUM Repeater 147.330+600 PL:123.0
ALTERNATE: 146.580 Simplex



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

The AERO VE Team held its first session of 2024 on March 23rd. We served 8 applicants. Congratulations to new Technicians Pete Thompson, Herman Moeller, Meredith Embrey, Madeleine Tewey, Mike Bauer, David Carswell, Akemi Takeuchi, and Mike Cox.

Many thanks to VE's: WB3FMT, WA3QLY, N3RES, and N3FQC for assisting me with this session. We couldn't do this without you. It's always a joy working with you.

Upcoming AERO ARC Testing

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)

11/23/2024 | [Rosedale MD 21237-1642](#)

Sponsor: AERO ARC

Location: American Legion Post 180

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



SKYWARN, ARRES, 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.



"[Amatur Radio] "plays a vital public safety communications service... [with]...tremendous potential...when all other forms of radio communication fail, especially during emergencies."

**The Hon. Greg Walden,
Member, U.S. Congress**



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 3/13/24 from 20:00 – 20:50 local. There were ten participants on the Net.

W3PGA	NCS	Joe	Essex
K3DON		Don	Joppatowne
N3FQC		Don	Perry Hall
KB3VAE		Rich	Essex
W3VRD		Phil	Essex
AC3F		Pat	Middle River
WA3QLY		Tom	Middle River
W3JEH		Ron	Perry Hall
KB3QWC		Larry	Middle River
K3POJ		Greg	Rosedale

The Aero ARC had its 2-meter net on 3/27/24 from 20:00 – 20:21 local. There were five participants on the Net.

W3PGA	NCS	Joe	Essex
K3DON		Don	Joppatowne
W3VRD		Phil	Essex
AC3F		Pat	Middle River
WA3QLY		Tom	Middle River

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 April 2024

(h:m) EST & EDT (Add 1 Hour)

Apr 01	23:15	LAST QUARTER MOON
05	23:51	Mars 2.0°N of Moon
06	05:20	Saturn 1.2°N of Moon: Occn.
07	12:39	Venus 0.4°S of Moon: Occn.
07	04	Neptune 0.4°N of Moon: Occn.
07	13:53	Moon at Perigee: 358850 km
08	08:20	Moon at Ascending Node
08	14:17	Total Solar Eclipse; mag=1.057
08	14:21	NEW MOON
10	15	Mars 0.4°N of Saturn
10	17:08	Jupiter 4.0°S of Moon
11	08:38	Pleiades 0.4°N of Moon
11	19	Mercury at Inferior Conjunction
15	09:47	Pollux 1.5°N of Moon
15	15:13	FIRST QUARTER MOON
18	07:14	Regulus 3.6°S of Moon
19	22:09	Moon at Apogee: 405625 km
20	04	Jupiter 0.5°S of Uranus
22	03	Lyrid Meteor Shower `20 per hr.
22	07:45	Moon at Descending Node
22	22:02	Spica 1.5°S of Moon
23	19:49	FULL MOON
26	16:00	Antares 0.3°S of Moon
29	00	Mars 0.04°S of Neptune

Planet Lookout at mid-Month

Sunrise 06:27 EDT and Sunset 19:37 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 4-8-2024 Monday

Eclipse of the Sun

88% Total in Baltimore!

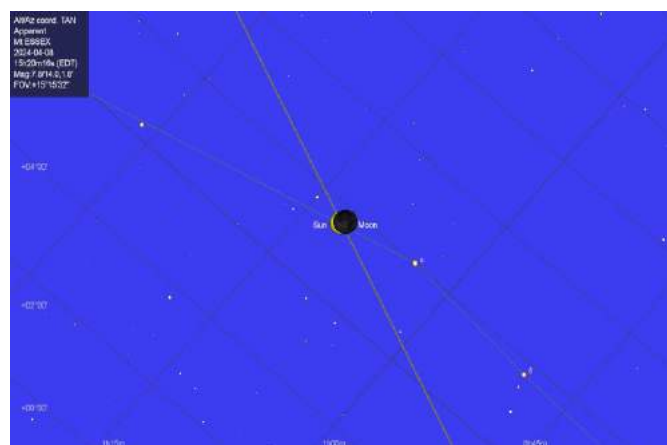
We are having a total eclipse of the Sun crossing the U.S. from the Texas, to Maine. The eclipse is caused by the Moon crossing the path of the Sun and blocking it out of view. The path of totality is about 70 miles wide, the path of the Partial eclipse is several 100 miles wide. On April 8th, 2024, 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	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.

NOTE: Due to construction at the meeting site, the meetings are being hosted on Zoom. Please check your emails each week to confirm the meeting location. We hope to see you there!

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