



THE AERO AERIAL

THE NEWSLETTER OF THE AERO AMATEUR RADIO CLUB

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SEPTEMBER
3 AND 17



Ham News

Interview With Harry Rundall

From Dave Casler, KE0OG

In the first Ask Dave Interview, Dave Casler, KE0OG, interviewed our own Harry Rundall, AC3EK! Harry Rundall has been a long-time supporter of the Ask Dave channel. Harry discusses his station and why he became a Ham! [Watch the interview](#)

Free Technician Class

From Ron Anders, K3RA

Ron is starting a free Technician Class course on Zoom beginning Thursday, September 9 and running for 7 sessions. Sessions will start at 6:30, and run 3 hours. These classes are classes sponsored by the National Electronics Museum. Those wishing to sign up should email roland.anders@comcast.net.

Events

Southern NJ Conference and HamFest

Date: 9/7/2025

Location: Mullica Hill, NJ

Sponsor: Gloucester County Amateur Radio Club

Website: <http://HamFest.W2MMD.org>

Red Rose Repeater Association Hamfest

Date: 10/4/2025

Location: New Holland, PA

Sponsor: Red Rose Repeater Association Hamfest

Website: w3rrr.org

CARA Fest 2025

Date: 10/5/2025

Location: West Friendship, MD

Sponsor: Columbia ARC

Website: www.carafest.org

SMCARA Tailgate Fest

Date: 10/11/2025

Location: Hollywood, MD

Sponsor: St. Mary's County ARC

Website: <https://smcara.org>

More Ham News

Tech-Focused Hams: A Shot Across the Bow to ICOM, Yaesu, and More

From Dave Jensen, W7DGJ

New hams are coming into the hobby, and these "new" hams have the potential of upending the market for products sold by the old guard, companies such as ICOM and Yaesu. [Learn more](#)

Resilience Through Amateur Radio for National Preparedness Month 2025

From ARRL

September is National Preparedness Month, which is a good time to look at your personal, family, and community resilience levels. For 2025, the National Preparedness Month theme is "Preparedness Starts at Home." [Read more](#)

Progress in the Revolution: Sunspot Cycle Forecast Accuracy at Cycle 25 Peak

From K4FMH

This research does a deep dive into sunspot cycle forecasting. [Learn more](#)

The Mysterious Shortwave Radio Station Stoking US-Russia Nuclear Fears

From WIRED

A popular shortwave Russian radio station dubbed UVB-76 has been an enigma for decades. But its recent messages have turned it into a tool for Kremlin saber-rattling. [Read more](#)

More Events

RF Hill ARC Hamfest

Date: 10/19/2025

Location: Perkasie, PA

Sponsor: RF Hill ARC

Website: <http://www.rfhillarc.club>

Thawfest IV

Date: 4/11/2026

Location: Madison, VA

Sponsor: Greene County ARC

Website: <https://www.arrl.org/hamfests/thawfest-iv>

In case you
missed it,



check out the
August issue.

SKYWARN, ARES, RACES

SKYWARN® is a national network of volunteer severe weather spotters. The spotters are trained by local National Weather Service Forecast Offices on how to spot severe thunderstorms, tornadoes, hail and flooding. In some parts of the country, spotters also report snowfall and ice accumulation.

To learn more about SKYWARN® and how to become a spotter, [click here](#).

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.

To learn more about Amateur Radio Emergency Service (ARES) and Radio Amateur Civil Emergency Service (RACES), [click here](#).

Training

SKYWARN® Flood Class

September 17, 2025, 6:00 p.m.-8:00 p.m.,
Public Safety Training Facility, Room 117, 5370
Public Safety Place, Frederick, MD 21704

SKYWARN® Basics & Winter Class

October 2, 2025, 6:00-8:00 p.m.,
Cecil County Department of Emergency Services,
107 Chesapeake Blvd. #108, Elkton, MD 21921



Radio License Exams

The Aero Amateur Radio Club sponsors Amateur Radio License Exams with the ARRL VEC. Examination sessions are offered throughout the year (dates TBD).

W3PGA Exam Location

Essex Sky Park, 1401 Diffendall Rd, Essex MD 21221-6507

Pre-registration is required.

Contact

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

VE Corner

Pat Stone, AC3F

We will be testing at the Essex Sky Park on Sept. 20th at 11am. Pre-registration is required.

Other Maryland Test Sites

9/6/25, 2:30 pm: Catonsville, walk-ins allowed

9/20/25, 9:00 am: Laurel, walk-ins allowed

10/4/25, 5:45 pm: Severna Park, register or call ahead

10/7/25, 5:45 pm: Severna Park, register or call ahead

10/11/25, 8:45 am: Forest Hill, register or call ahead

10/18/25, 9:00 am: Laurel, walk-ins allowed

11/1/25, 2:30 pm: Catonsville, walk-ins allowed

11/4/25, 5:45 pm: Severna Park, register or call ahead

Exam Overview

LEVEL 1: Technician Class License

- Exam Requirement: 35-question Technician Written Exam (Element 2).
- Privileges: All VHF/UHF Amateur bands (frequencies above 30 MHz). Limited operations in certain HF bands.

LEVEL 2: General Class License

- Exam Requirements: 35-question General written exam (Element 3).
- License Privileges: All VHF/UHF Amateur bands and most HF privileges (10 through 160 meters).

LEVEL 3: Extra Class License

- Exam Requirement: 50-question Extra written exam (Element 4).
- License Privileges: All Amateur band privileges.

Contest Corral

September 2025

Check for updates and a downloadable PDF version online at www.arrl.org/contest-calendar.

Refer to the contest websites for full rules, scoring information, operating periods or time limits, and log submission information.

Start - Finish Date-Time		Bands	Contest Name	Mode	Exchange	Sponsor's Website
1	1900	1	2030	3.5	RSGB 80m Autumn Series, SSB	Ph
1	2300	2	0300	1.8-28,50	MI QRP Labor Day CW Sprint	CW
3	2000	3	2100	3.5	UKEICC 80m Contest	Ph
4	0000	5	0300	7	Walk for the Bacon QRP Contest	CW
4	1800	4	2200	28	NRAU 10m Activity Contest	CW Ph Dig
6	0000	7	2359	1.8-28	All Asian DX Contest, Phone	Ph
6	0800	7	1000	50,144,432	SARL VHF/UHF FM Contest	Ph
6	0800	7	1000	1.8-28	SARL Field Day Contest	CW Ph Dig
6	1200	7	1159	3.5-28	Russian RTTY WW Contest	Dig
6	1300	7	1259	1.8-28	IARU Region 1 Field Day, SSB	Ph
6	1300	7	1300	3.5-28	RSGB SSB Field Day	Ph
6	1300	6	1600	7	AGCW Straight Key Party	CW
6	1400	6	2200	3.5-28	Ohio State Parks on the Air	Ph
6	1400	7	1400	145	IARU Region 1 145 MHz Contest	CW Ph Dig
6	2000	7	2000	3.5	PODXS 070 Club Jay Hudak Memorial 80m Sprint	Dig
7	1000	7	1400	144	WAB 144 MHz Phone	Ph
7	1700	8	0300	All, no WARC	Tennessee QSO Party	CW Ph Dig
9	1800	9	1859	3.5	DARC CW-Training Contest	CW
10	1900	10	2030	3.5	RSGB 80m Autumn Series, CW	CW
13	0000	14	2359	2.3 GHz and up	ARRL EME Contest	CW Ph Dig
13	0000	14	2359	3.5-28	WAE DX Contest, SSB	Ph
13	1500	13	1800	3.5-14	Africa FT4 DX Contest	Dig
13	1800	15	0300	50 and up	ARRL September VHF Contest	CW Ph Dig
14	0000	14	0400	3.5-14	North American Sprint, CW	CW
14	1300	14	1330	432	IRTS 70cm Counties Contest	Ph
14	1330	14	1500	144	IRTS 2m Counties Contest	Ph
15	0000	15	0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph
15	1900	15	2100	3.5-28	RSGB FT4 Contest	Dig
18	0000	19	0300	14	Walk for the Bacon QRP Contest	CW
18	1800	18	1959	3.5	BCC QSO Party	CW Ph Dig
18	1900	18	2000	3.5-14	NTC QSO Party	CW
19	1600	19	1700	3.5	AGB NEMIGA Contest	CW Ph Dig
20	0900	22	0759	10 GHz to light	ARRL 10 GHz and Up Contest	CW Ph Dig
20	1200	21	1200	3.5-28	Scandinavian Activity Contest, CW	CW
20	1400	21	0159	3.5-28	New Jersey QSO Party	CW Ph Dig
20	1400	21	2000	All, no WARC	Texas QSO Party	CW Ph Dig
20	1400	21	0200	All, no WARC	Iowa QSO Party	CW Ph Dig
20	1500	20	2100	1.8-28	QRP Afield	CW Ph Dig
20	1600	21	2200	3.5-28	New Hampshire QSO Party	CW Ph Dig
20	1600	21	2359	1.8-28,50	Washington State Salmon Run	CW Ph
20	1600	20	2300	All, no WARC	Wisconsin Parks on the Air	CW Ph Dig
21	0000	21	0400	3.5-14	North American Sprint, RTTY	Dig
21	1700	21	2059	3.5-28	BARTG Sprint PSK63 Contest	Dig
21	2300	22	0100	1.8-28	Run for the Bacon QRP Contest	CW
22	2300	23	0600	144	144 MHz Fall Sprint	CW Ph Dig
24	2000	24	2100	3.5	UKEICC 80m Contest	CW
25	1900	25	2030	3.5	RSGB 80m Autumn Series, Data	Dig
27	0000	28	2359	3.5-28	CQ Worldwide DX Contest, RTTY	Dig
27	1200	28	1159	3.5-28	YU DX Contest	CW Ph
27	1200	28	1200	1.8-28	Maine QSO Party	CW Ph
27	1400	27	1800	144,432	AGCW VHF/UHF Contest	CW
27	1400	27	2200	3.5-28	Masonic Lodges on the Air	Ph
27	2000	28	2359	1.8-14,28	AWA Amplitude Modulation QSO Party	Ph
28	0700	28	1000	50	UBA ON Contest, 6m	CW Ph
30	2300	1	0600	222	222 MHz Fall Sprint	CW Ph Dig

There are a number of weekly contests not included in the table above. For more info, visit: www.qrpfoxhunt.org, www.nccsprint.com, and www.cwops.org. All dates and times refer to UTC and may be different from calendar dates in North America. Contests are not conducted on the 60-, 30-, 17-, or 12-meter bands. Mbr = Membership number. Serial = Sequential number of the contact. SPC = State, Province, DXCC Entity. XE = Mexican state. Listings in blue indicate contests sponsored by ARRL or NCJ. The latest time to make a valid contest QSO is the minute listed in the "Finish Time" column. *Data for Contest Corral is maintained on the WA7BNM Contest Calendar at www.contestcalendar.com and is extracted for publication in QST 2 months prior to the month of the contest. ARRL gratefully acknowledges the support of Bruce Horn, WA7BNM, in providing this service.*



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

From Joe Miko, WB3FMT

The Aero ARC 440 net on July 9 was cancelled due to storms.

The Aero ARC had its 2-meter net on July 23. The net ran from 00:00 to 00:24. There were 5 participants.

NCS	AC3F	Pat	Middle River
	K3DON	Don	Joppatowne
	KB3VAE	Rich	Essex
	WA3QLY	Tom	Middle River
	KB3QWC	Larry	Middle River

The Aero ARC had its 10-meter net on July 30. Net start time 00:00 ended 00:18. Band conditions were very poor so we ended early.

NCS	AC3F	Pat	Middle River
	KB3AJD	Marty	
	KB3QWC	Larry	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	3.557 CW	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
2nd & 4th Tue	7 pm	146.775, (-) PL 146.2	Harford County, MD, ARES
4th Wed	8 pm	147.240	Aero ARC Net
5th Wed	8 pm	28.445	Aero ARC Net
3rd Fri	8 pm	WASH_DC Node 6154	MDC Section EchoLink
When activated by NOAA		147.030	SkyWarn (primary)

From the Skies Over Mt. Essex

For current solar activity, visit <https://www.solarham.com/>

SKY Events for September 2025

Time EDT GMT - 4 Hrs EST - GMT 5

Sep 01 03	Venus 1.5° S of Beehive (M44) Open Star Cluster
04 10:00	Pluto is 0.06° N of Moon
07 14:09	FULL "Corn" MOON
07 19:08	Moon at Ascending Node
08 16:09	Saturn 4.0°S of Moon
10 08:09	Moon at Perigee: 364781 km
12 17:48	Pleiades 1.0°S of Moon
12 23:28	Mars 2.0°N of Spica
13 07	Mercury at Superior Conjunction
14 06:33	LAST QUARTER MOON
16 07:06	Jupiter 4.6°S of Moon
16 13:58	Pollux 2.4°N of Moon
19 05:57	Venus 0.4°N of Regulus
19 07:11	Regulus 1.3°S of Moon
19 07:46	Venus 0.8°S of Moon: Occn.
20 19:13	Moon at Descending Node
21 01	Saturn at Opposition
21 15:54	NEW MOON
22 14:19	Autumnal Equinox (Fall)
23 07	Neptune at Opposition
23 17:31	Spica 1.1°N of Moon
24 10:50	Mars 3.9°N of Moon
26 05:46	Moon at Apogee: 405552 km
27 13:34	Antares 0.6°N of Moon
29 19:54	FIRST QUARTER MOON

Planet Lookout at mid-Month

Sunrise 06:48 EDT and Sunset 19:12 EDT

Mercury Too close to the Sun to be easily seen.

Venus Morning Rises 04:29, Sets 18:06 Mag -3.9 and 11.7 Arc Sec.

Mars Evening Rise 09:30 Sets 20:38, Mag +1.6 and 4.1" Arc Sec.

Jupiter Morning Rises 01:32 Sets 16:10, Mag-2.1 size 36.0" Arc Sec.

Saturn Evening Rises 19:26, Sets 07:17, Mag+0.6 size 19.3" arc sec.

Uranus Morning Rises 22:04, Sets 12:33; Mag +5.8 size 3.4"

Neptune Morning Rises 19:26, Sets 07:28, Mag +7.9 size 2.5

Harvest Moon or NOT?

The Harvest Moon relates to the timing of the autumnal equinox, so it changes each year. In 2025, the brilliant Full Harvest Moon is on Monday, October 6, reaching full illumination at 11:47 P.M. It will appear full for three days, including the prior night of October 5 and the following night of October 7.

Note that the Harvest Moon is not always in the same month. It's the full Moon that occurs nearest to the autumnal equinox. This means that the Harvest Moon can occur in September or October, depending on how the lunar cycle aligns with the Gregorian calendar.

Why Do We Call It the Corn Moon?

This time of year—late summer into early fall—corresponds with the time of harvesting corn in much of the northern United States. For this reason, a number of Native American peoples traditionally used some variation of the name "Corn Moon" to refer to the Moon of either August or September. Examples include Corn Maker Moon (Western Abenaki) and Corn Harvest Moon (Dakota).

From Farmers Almanac August 21, 2025

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	Harry Rundall, AC3EK		
Newsletter Editor		Cathy Feinman, W3CLF			
Aerial archives dating to 2004 are available at https://w3pga.net/the-aerial-newsletter-library/					
Website: http://w3pga.net					
Facebook: https://www.facebook.com/W3PGAClub					
Email: w3pgaclub@gmail.com					

Meetings

We meet in person at 7:00 PM ET in the Essex Sky Park hanger.
 If a Zoom link is available, it will be sent via email or inquire at w3pgaclub@gmail.com.
 All are welcome to attend. Arrive early to socialize.

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