



*Aero Club Operating
Field Day 2015*

The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
Volume 13, Issue 6
June 2016

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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Corresponding Secretary	Pat Stone AC3F	Webmaster, Facebook	Jerry Cimildora N3VBJ
Treasurer	Warren Hartman W3JDF	Trustee	Dave Fredrick KB3KRV
Resource Coordinator	Ron Distler W3JEH	Club Nets	Joe Miko WB3FMT
		Contests	Bob Venanzi ND3D Charles Whittaker KB3EK

Committees

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
W3PGA **70 Cm:** INPUT : 444.575 MHz, OUTPUT : 449.575 MHz
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.

2016 Examination Schedule

Where: Essex SkyPark, 1401 Diffendall Road, Essex.

Time: Noon		
Dates: June 25		

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	Baltimore 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)

Editor's Note

Look for our new features this month!

Election of club officers was held in May. Results have been incorporated into the title page of this month's Aerial.

NET REPORTS

04-13-16: 28.445 MHz, 20:00 to 20:39 local.

W3PGA Joe (NCS) Essex, N3EKO Ron Parkville, W3JEH Ron Perry Hall, W3IRE Mike Dundalk, KB3PGN Georgeann Essex, N3VBJ Jerry Dundalk, KA3SNY Dave Essex, ND3D Bob Towson, KB3JVP Ken Middle River

04-27-16: 147.24r MHz, 20:00 to 20:46 local.

W3PGA Joe (NCS) Essex, KB3JVP Ken Middle River, AC3F Pat Middle River, N3VBJ Jerry Dundalk, KC3FBM Franklin Parkville, KA3SNY Dave Essex, AB3WG Chris Owings Mills, W3VRD Phil Essex, W3JEH Ron Perry Hall

Notes: Pat expects 5 test takers for the Sunday May 15th VE session.

Jerry N3VBJ announced that the BRATS repeater 147.030 which is used for SKYWARN has a new PL Tone 156.7

Public Service: SPCA event to be run by CARRA

05-11-16: 28.445 MHz, 20:00 to 20:42 local.

W3PGA Joe (NCS) Essex, W3JEH Ron Perry Hall, W3VRD Phil Essex, KB3JVP Ken Middle River, KA3SNY Dave Essex, KB3PGN Georgeann Essex

05-25-16: 147.240 MHz, 20:00 to 21:05 local.

W3PGA Joe (NCS) Essex, N3VBJ Jerry Dundalk, KB3JVP Ken Middle River, KC3ANJ Charles Dundalk, AC3F Pat Middle River, W3VRD Phil Essex, N3EA Ken Middle River, KC3GKE Don Essex

PUBLIC SERVICE OPPORTUNITY

Note: This is Field Day

Saturday, June 25, 2016: Two Rivers Bike Ride, Centreville, Queen Anne's County, MD

The Queen Anne's Amateur Radio Club (QAARC) is in need of volunteers with two meter mobile rigs to help from early morning until around 2:00 - 3:00 PM. You may click on: www.wyriverupperschool.org/support/special-events/two-rivers-bike-ride/ to register or for more information you may also contact: Paul Gerhardt at pgerhardt@hotmail.com.

Source: *MDC Section News, Vol. 11, No. 05, May 13, 2016*

SPECIAL EVENT

Saturday, June 4, Monday June 6: D-DAY SPECIAL EVENT STATION, W2W

The Amateur Radio Club of the National Electronics Museum will be operating as a special event station, W2W, in commemoration of D-Day from 1300 UTC until 2000 UTC on Saturday, June 4th and on Monday, June 6th. Additional operations are also possible during the June 3rd through June 13th period as operator availability permits. (June 6, 1944 is the date that the Allied Forces first landed on the coasts of France in World War II.)

Suggested frequencies are: 14.244 MHz, 14.044 MHz, 7.244 MHz and 7.044 MHz.

A QSL card is available by sending your QSL card and one U.S. first class postage stamp or #10 SASE to: K3NEM, W2W-D-Day, PO Box 1693 Mail Stop 4015, Baltimore, MD 21203. If you would like a folded Certificate & QSL - send one U.S. first class stamp or #10 SASE to the address above.

- 06/04/2016 | W2W - D-Day Commemoration**

Jun 4-Jun 6, 1300Z-2000Z, W2W, Baltimore, MD. Amateur Radio Club of the National Electronics Museum. 14.244 14.044 7.244 7.044. Certificate & QSL. W2W – D-Day, PO Box 1693, MS 4015, Baltimore, MD 21203. Amateur Radio Club of the National Electronics Museum (ARCNEM) will operate W2W in commemoration of the anniversary of D-Day and the role of electronics in WWII. Additional operation is also possible during the June 3-13 period, as operator availability permits. Frequencies +/- according to QRM. QSL and Certificate available via SASE; details at ww-2.us

Source: <http://www.arrl.org/special-event-stations>

Upcoming Second Meeting Presentations

These presentations will be given at the Essex SkyPark FBO building after the business meeting.

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>
6/15	No Presentation – Field Day last meeting prep	
TBA	Volunteer Examiner Testing	Patricia Stone
TBA	Contest Logging with N1MM	Bob ND3D

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 first Sunday session on May 15th, 2016 at the White Marsh Library. We served 5 applicants. Congratulations to new Extras: Marty Braun KC3AID, Rob Sistero KA3IOJ, Mike Azzerello KB3LAN, Greg Schwei KK6NQJ and Dave Petit N3SOE.

A very special thanks to WB3FMT, KC3FBL, KB3KRV, AB3QK, AC0LP and KC3AIJ for assisting me with this session. It was a pleasure working with all of you.

This was the first AERO session where all the applicants upgraded to the Amateur Extra class. Congratulations to all.

Our next test session will be held at Noon on Saturday June 25th at the Essex Sky Park. What a great way to begin our Field Day Festivities! Hope to see you then.

UPCOMING HAMFESTS and EVENTS

Martin Aviation Museum Speaker Series, 7 pm, Lockheed Martin Administration Building, 2323 Eastern Blvd, Middle River, MD. Although admission to the Aviation Speaker Series program is free, a photo ID is required for entry into the facility.

June 6: Former USAF helicopter pilot Darrel Whitcomb, a decorated combat veteran, will share his Vietnam experiences and discuss his book *The Rescue of BAT 21*. *This book tells the story of Air Force navigator Gene Hambleton who was shot down in April 1972 into the middle of a North Vietnamese invasion force and set off the largest and most controversial air rescue effort of the Vietnam War. For additional information 410-682-6122 or www.mdairmuseum.org*

July 11: Mike Scassero talks about the latest in drones from University of Maryland

Glenn L. Martin Aviation Museum, 2016 Open Cockpit Days

June 11, July 9, August 13

Sunday, June 19, 2016: BARC Father's Day Hamfest

Arcadia Volunteer Fire Company Grounds, 16020 Carnival Ave, Upperco, MD 21155

Website: <http://www.w3ft.com> Sponsor: Baltimore Amateur Radio Club

Talk-In: 146.67 (PL 107.2)

Contact: Dave Shadwell, AB3TE, PO Box 922, Reisterstown, MD 21136, Phone: 410-842-5019, Email: w3ft67@yahoo.com

Thursday, June 23 through Saturday, June 25, 2016: RADIO ACTIVITY 2016

Holiday Inn, 9615 Deereco Road, Timonium, MD

Website: <http://www.maarc.org>

Sponsor: Mid-Atlantic Antique Radio Club

Talk-In: None

Contact: Bruce Pellicot, KA3EIE, 10348 Route 99, Woodstock, MD 21163, Phone: 410-461-7441, E-mail: brucepellicot.md@netzero.net

Sunday, August 21, 2016: CARROLL COUNTY TAILGATE FEST

Sportmans Hall Skating Rink, 15500 Hanover Pike, Upperco, MD 21155

Website: www.qis.net/~k3pzn/hamfest.html

Sponsor: Carroll County Amateur Radio Club

Contact: Steve Beckman, N3SB, 2145 Bethel Rd, Finksburg, MD 21048, Phone: 410-876-1482, E-mail: n3sb@qis.net

Outdoor space only.

Sunday, October 23, 2016: THE MASON-DIXON HAMFEST

Sportmans Hall Skating Rink, 15500 Hanover Pike, Upperco, MD 21155

Website: www.qis.net/~k3pzn/hamfest.html1

Sponsor: Carroll County Amateur Radio Club

Contact: Steve Beckman, N3SB, 2145 Bethel Rd, Finksburg, MD 21048, Phone: 410-876-1482, E-mail: n3sb@qis.net

Indoor space possibly available by the Oct. 23 date. Check with the contact for information.

Saturday, December 10, 2016: SANTA FEST

American Legion Youth Camp, 9201 Surratts Road, Cheltenham, MD 20623

Sponsor: American Legion & Prince George's County Emergency Repeater Assn

Talk-In: 145.230 (PL 110.9)

Contact: Charles Hallock, AA3WS, 16203 Manning Road, West Accokeek, MD 20607,

Phone: 301-535-1666, E-mail: <selbynet@hotmail.com>

Visit www.arrl.org/hamfests-and-conventions-calendar for complete listings.

DID YOU KNOW . . . ??

During the Falklands War in 1982, Argentine forces seized control of the phones and radio network on the islands and had cut off communications with London. Scottish amateur radio operator Les Hamilton, GM3ITN was able to relay crucial information from fellow hams Bob McLeod and Tony Pole-Evans on the islands to British military intelligence in London, including the details of troop deployment, bombing raids, radar bases and military activities. However, radio hams usually avoid controversial subjects and political situations and discussions as a part of the code of politeness of radio communications.

Wilson, Giles (June 13, 2002). [BBC News - The Falklands get wired](http://www.bbc.co.uk/news/18733001)". Retrieved 2006-03-02.

FEATURE: HOW I GOT STARTED IN HAM RADIO

How Did I Get Started in Ham Radio?

Bob Landis, WA3SWA

It all happened in my hometown of Greensburg, PA, in 1970 when I was about 15. At the time, I had been into shortwave listening for a couple of years using a Hallicrafters S-120. I also had a 5 band portable radio (AM, FM, SW, VHF lo, and VHF hi). The portable was used for listening to Pirates baseball games and shortwave stations while sitting on the back porch. I also used it to listed to the local fire department (VHF lo), local police (VHF hi), as well as the occasional mobile telephone call around 152 MHz.

One evening while tuning around at the low end of the VHF hi band using just the telescoping antenna, I came across a very strange signal, slightly distorted but perfectly readable – “This is K3SHU, the Foothills Radio Emergency Net, listening from 145 to 145.3 for any check-ins.”

I didn’t hear any other stations but did hear this strange station making contact with others. I tried listening for this strange station on subsequent evenings to no avail. Then a week later I heard it again. Then after another week it was there.

After a few weeks, I mentioned about this to my Dad. Neither one of us knew anything about Amateur Radio (we had been into CB for about 3 years). However, he did some asking around (he had lots of contacts) and found out that this was a local ham radio club. He even found out when and where their meetings were. Of course I asked him to take me (I wasn't driving yet).

He took me to the next meeting where I was greeted with open arms and was introduced to Ham Radio. After attending a few meetings as a visitor, I became a member of the Foothills Radio Club, W3LWW. I found out that the strange station I heard was Ralph Nichols, K3SHU. He lived about 1 ½ miles from me. He was the net control station for a weekly net on 2 meters AM. I don't recall what frequency he was transmitting on, but since most 2 meter AM operation was crystal controlled, he would tune his receiver from 145.0 to 145.3 listening for check-ins.

Shortly thereafter, the club was sponsoring novice classes (theory and 5wpm code) over a period of about 6 to 8 weeks. Of course I took the class. At that time, the novice test could be given by either 2 or 3 hams with general or above licenses. When the class was done I went to the home of one of the members to take the test. I passed! A few weeks later I received my first ticket in the mail, WN3SWA. I believe this was in June 1972.

About a year later, I went to the FCC office in Pittsburgh and passed my General test (theory and 13wpm code) to become WA3SWA.

The rest, as they say is history.

FEATURE: WANTED TO BUY

ICOM IC-W32A Dual Band Transceiver. Contact Georgeann, KB3PGN, 410-687-1234.

Anyone having ham stuff for sale, or who is looking for a specific piece of equipment, can send the pertinent information to the Aerial editor at KB3PGN@reagan.com for inclusion in the newsletter. "Deadline" is whenever I get around to putting it together, generally within the last week of the month. Unless I'm away. – the Editor

From the Skies over Mt. Essex

SKY Events for June 2016

June 2nd – Saturn at Opposition

June 3rd – 200 inch Hale Telescope dedicated in 1948.

June 4th - New Moon

June 5th – Mercury at greatest elongation 24° W of Sun.

June 12th - First Quarter Moon.

June 17th – Earliest morning twilight.

June 18th – Sally Ride, first American woman in space in 1983.

June 20th - Full Moon “**Rose Moon**” for the Traditional American and the “**Lotus Moon**” for the Chinese Full Moons. Longest day 15 hrs 01 min.

June 20th – Summer begins 18:34 EDT.

June 22nd - Royal Greenwich Observatory founded 1675.

June 25th – Neptune 1.2° S of Moon 21:00 EDT.

June 27th - Last Quarter Moon.

June 30th – Tunguska impact 1908.

Planet Lookout at mid-Month

Sunrise 05:39 EDT and Sunset 20:34 EDT

Mercury Morning rises 04:30, Mag 0.0 size 7.3 arc sec.

Venus Too close to the Sun to be seen.

Mars Eve, rises 18:03, mag -1.8 and 18.2 arc sec. closest approach on 30th, size 18.6 arc sec.

Jupiter Morning, sets 12:10, mag -2.0 size 36.2 arc sec.

Saturn Eve rises 19:19, mag 0.0 size 18.4 arc sec.

Uranus Morning rises 02:27, mag 5.9, size 3.3 arc sec.

Neptune Morn rises 00:48, magnitude +7.9 size 2.2 arc sec.

Icelandic Spar – **Sunshine on a cloudy day...**
©Wikipedia

The **sunstone** is a type of mineral attested in several 13th–14th century written sources in Iceland, one of which describes its use to locate the sun in a completely overcast sky. Sunstones are also mentioned in the inventories of several churches and one monastery in 14th–15th century Iceland. A theory exists that the sunstone had polarizing attributes and was used as a navigation instrument by seafarers in the Viking Age.

The Vikings were experts in judging speed and wind direction, and in knowing the current and when to expect high and low tides. Viking navigational techniques are not well understood, but historians postulate that the Vikings probably had some sort of primitive astrolabe and used the stars to plot their course.

Viking Travel – The Vikings (790 – 1066 AD) traveled from Greenland to Iceland, to Northern Europe and even to North America. They used latitude to know North or South; they traveled until they found land. One of the problems was they did not know how far they were from land.

Danish archaeologist Thorkild Ramskou posited that the sunstone could have been one of the minerals (cordierite or Iceland spar) that polarize light and by which the azimuth of the sun can be determined in a partly overcast sky or when the sun is just below the horizon. The principle is used by many animals and polar flights applied the idea before more advanced techniques became available.

