



Spring is Here!

The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
Volume 14, Issue 4
April 2018

Editor Georgeann Vleck KB3PGN

Officers

President	Joe Miko WB3FMT
Vice-President	Jerry Cimildora N3VBJ
Recording Secretary	Lou Kordek AB3QK
Corresponding Secretary	Pat Stone AC3F
Treasurer	Warren Hartman W3JDF
Resource Coordinator	Ron Distler W3JEH

Committees

Repeater	Phil Hock W3VRD Jerry Cimildora N3VBJ
VE Testing	Pat Stone AC3F
Public Service	Bob Landis WA3SWA
Webmaster, Facebook	Jerry Cimildora N3VBJ
Trustee	Dave Fredrick KB3KRV
Club Nets	Joe Miko WB3FMT
Contests	Bob Venanzi ND3D Charles Whittaker KB3EK

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 – 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; arrive no later than 30 minutes after start time. \$15 charge.

2017-18 Examination Schedule

Time:			
Dates:			
Where:	White Marsh Library		

White Marsh Library, 8133 Sandpiper Circle, White Marsh, MD

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	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)

NET REPORTS

2-7-18: Snow/WX net, 147.240, 20:00 to 21:25 local

The net was held because Baltimore County Schools were closed for the day.

W3PGA NCS Joe Essex, KB3JVP Ken Middle River, K3TEL Arnold Towson, N3VBJ Jerry Towson, K3DON Don Joppatowne, KC3IPK Dave Perry Hall, KB3QWC Larry Middle River, W3JEH Ron Perry Hall, W3VRD Phil Essex, KC3FRH Charles Baltimore, W1ASA Israel Baltimore, KC3FBL Jim Parkville, KC3FBM Franklin Parkville, AC3F Pat Middle River, KB3VAE Rich Middle River, KC3HZU William Edgewood, AB3PP Calvin Towson, WA3QLY Tom Edgewood, WA3FSE Don Baltimore City, KC3CMS Dan Baltimore City

This was the longest running net to date. There were a total of 20 people on the net, also the largest number to be on the club's net.

2-28-18: 147.240, 20:00 to 20:27 local.

W3PGA NCS Joe Essex, KC3FBM Franklin Parkville, WA3QLY Thomas Edgewood, W3JEH Ron Perry Hall, KC3FBL Jim Parkville, KC3FRH Charles Parkville, K3TEL Arnold Towson, KB3VAE Richard Middle River

8 Aero members on the net.

Upcoming Second Meeting Presentations

<i>Date</i>	<i>Topic</i>	<i>Presenter</i>
4/4	3905 Century Club	Keon KE3HAY
TBA	Contest Logging with N1MM	Bob ND3D
TBA	The Acu-rite Weather Station	?Kelly KC3APF

The 3905 Century Club is an international amateur radio club founded in February 1977 by former participants of the Bicentennial Net. **Its purpose** is to provide all amateurs interested in **Worked All States** or other awards with **organized nets** for making the necessary contacts and receiving the necessary QSLs. The QSL cards from these contacts may also be used to obtain ARRL and other awards.

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

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

Reminder: VE Testing Snow Plan

If Baltimore County Libraries are closed for a testing day (Saturday or Sunday) the VE Testing session for that day will be canceled. Testing applicants that have pre-registered will be notified by phone. Due to the scheduling requirements of Baltimore County Library, we can't schedule a makeup session. Testing will resume on the next scheduled testing date. VE's will be notified by phone in the event of a closure.

UPCOMING HAMFESTS and EVENTS

Public Service Opportunity

Sunday, June 3, 2018: 2018 Tour de Cure: Maryland

Location: Goucher College, 1021 Dulaney Valley Rd, Baltimore, MD 21204

The Aero Club will again provide communications for this event. Joe figures we will need about 15 volunteers.

Events: Ride: 63MI, 30MI, 12MI; 5K Walk and 5K Run

All the routes will be fully supported with bike mechanics, volunteer route marshals, rest stops with food and water, cheering volunteers and more.

When I last checked, details of rout and timing were sketchy (as of 3/31).

Route Length	Check-In Time	Start Time	End Time
63 MI	TBD	TBD	TBD
30 MI	TBD	TBD	TBD
12 MI	TBD	TBD	TBD
5K WALK	TBD	TBD	TBD
5K RUN	TBD	TBD	TBD

Hamfests

Saturday, April 21, 2018: Delaware State Convention (Delmarva Amateur Radio & Electronics EXPO)

Cheer Community Center, 20520 Sand Hill Rd., Georgetown, DE 19947

Website: www.radioelectronicsexpo.com

Sponsor: Sussex Amateur Radio Association

Type: ARRL Convention

Talk-In: 147.090 (CTCSS: 156.7 Hz), Sussex County ARES® Primary Repeater, Millsboro, DE

Contact: Herb Quick, KF3BT, PO Box 1431, Seaford, DE 19973, Phone: 302-629-4949, E-mail: herb@hamiltongraphics.com

Saturday, April 28, 2018: York Hamfest

Location: Elicker's Grove Park, Spring Grove, PA

Sponsor: York Hamfest Foundation

For more info, click on: <http://www.yorkhamfest.org>

Saturday, May 5, 2018: The Great Hagerstown Hamfest

Sponsor: Antietam Radio Association

Location: Washington County Agricultural Center

For more info, click on: <https://www.W3CWC.org/hamfest>

Sunday, May 6, 2018: Eastern Pennsylvania Section Convention

Sponsor: Warminster Amateur Radio Club

Location: Bucks County Community College - Lower Bucks Campus, Bristol, PA

Website: <http://www.k3dn.org>

Saturday, June 30, 2018: Harrisburg Radio Amateurs Club Firecracker Hamfest

Harrisburg Area Community College, 3599 Industrial Road, Harrisburg, PA 17101

Website: <http://www.w3uu.org>

Sponsor: Harrisburg Radio Amateurs' Club

Talk-In: 146.76 (CTCSS 100.0 Hz)

Contact: Tim Lehman, KB3OZA, PO Box 453, Hummelstown, PA 17036, Phone: 717-461-3398, Email: kb3oza@arrl.net

You may view upcoming Hamfests at: <http://www.arrl.org/hamfests-and-conventions-calendar>

Essex SkyPark

Saturday, May 5, 2018: Pancake Breakfast Fly-in (Rain or Shine)

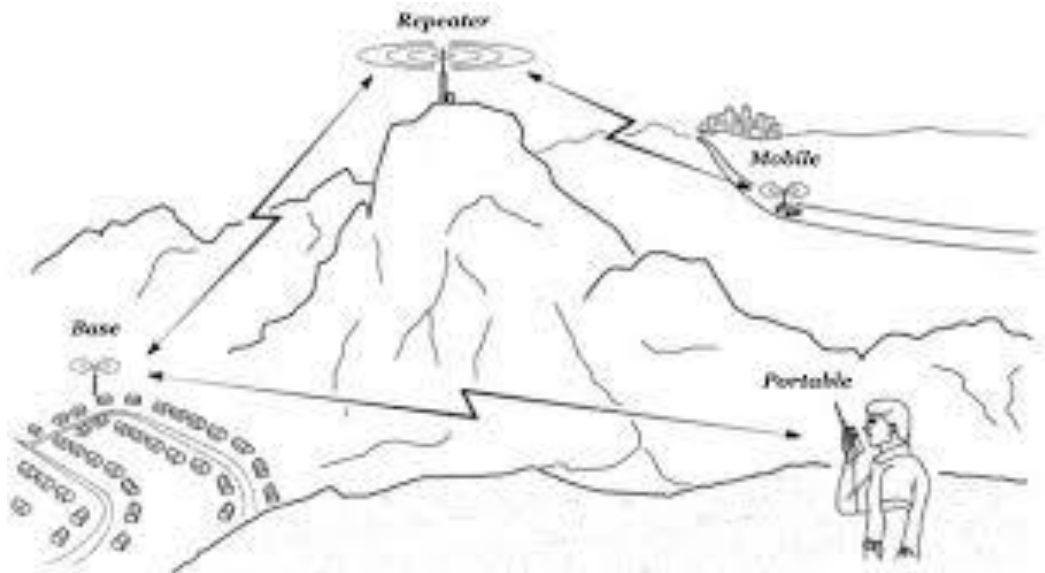
Saturday, September 15: 2018 Wings and Wheels (Rain or Shine)

Tuesday, March 13, 7 pm, FBO: Next Essex SkyPark Association

For Sale:

FlexRadio 3000	\$750
ALS 600 Amplifier	\$700
LDG AT-1000Pro Tuner	\$200

Contact Gus, AA3GG, at george.j.white@mac.com



How a repeater works

From the Skies over Mt. Essex

SKY Events for April 2018

Star Names - Who has the final say?

April 1, Easter (Western)

Apr 2rd - Mars 1.3° S of Saturn (08 EDT)

Apr 3rd - Jupiter 4° S of the Moon (10 EDT)

Apr 7th - Saturn is 1.9° S of the Moon (09 EDT)

Apr 8th - Last Quarter Moon

Apr 14th - Mercury is 4° N of the Moon. (05 EDT)

Apr 15th - New Moon.

Apr 17th - Venus is 5° N of the Moon (15 EDT)

Apr 19th - Aldebaran 1.1° S of the Moon (01 EDT)

Apr 22th - First Quarter Moon

Apr 22nd - Lyrid meteor shower peaks (14 EDT)

Apr 23rd - Moon is 1.5° S of Beehive (M44) (03 EDT)

Apr 24th - Regulus is 1.2° S of the Moon (16 EDT)

Apr 29^h - Full Moon Colonial Full Moon name is "Planters Moon" and Cherokee as "Flower Moon" and Mercury at greatest elongation W 27° (14 EDT)

Planet Lookout at mid-Month
Sunrise 06:29 EDT and Sunset 19:44 EDT

Mercury Dawn rises 05:43 mag -1.5 size 10.2 arc sec.

Venus Evening, Sets 21:41, mag. -3.9, size 11.1 arc sec.

Mars Morning rises 02:00, mag 0.0 and 9.6 arc sec

Jupiter Evening, rises 21:40, mag -2.4 size 42.9 arc sec.

Saturn Morning, rises 01:27, Magnitude 0.4 size 17.1 arc sec.

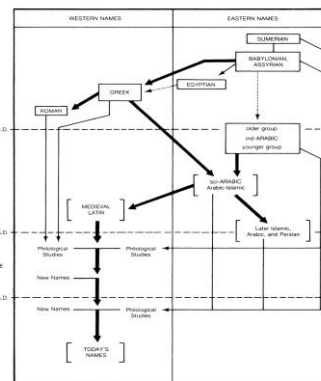
Uranus Evening sky sets 19:53 mag +5.9 size 3.3 arc sec.

Neptune Morning, rises 04:48, mag +7.9, size 2.4 arc sec.

Star names have been derived from a variety past cultures, language and time. Most of the star names we use today have come from the Middle East and the Mediterranean region. Since the 1500's AD they have been mixed and passed down to use in Latin characters.¹ The star naming period runs from the Ancient, prior to 500 A.D.; Medieval, 500 - 1500 A.D.; Renaissance, 1500 - 1800 A.D. and Recent, since 1800 A.D.

In Ancient times the main source of star are the Greeks. This was first documented about 800 B.C. and by 400 B.C. a majority of the classical 48 constellation stars were named. The final summary of Greek names was listed in 150 A.D. in Ptolemy's "Almagest". This book cataloged 1025 stars by longitude, latitude and magnitude. Another list of ancient star names is attributed to the Bedouins of the Arabic peninsula. From these people about 15 of the oldest star names were derived.

Medieval times were the golden age of Islam,



Europe lagged behind Islam in every sphere but technology. By the 1100's Spanish scholars began to translate the Greek classics from Arabic to Latin. With this advent people assimilated Greek and Arabic

learning to all educated Europeans.³

The International Astronomical Union, a consortium of international members was established in 1919 to correct, define and name objects in Space. In a press release 12/11/17 they released a list of 313 official and corrected star names. In one instance the star Fomalhaut had 30 different spellings; the IAU corrected this to one.⁴

And No, you still can't buy a star name!