



**Finally..
Spring is just around the corner**

The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
Volume 13, Issue 3
March 2016

Editor Georgeann Vleck KB3PGN

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President	Joe Miko WB3FMT
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Contests	Joe Miko WB3FMT
	Bob Venanzi ND3D

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: White Marsh Branch, Baltimore County Public Library
 8133 Sandpiper Circle, White Marsh, Md. 21236

Time: 1 p.m.	9 a.m.	1 p.m.
Dates: January 30	March 19	May 15

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

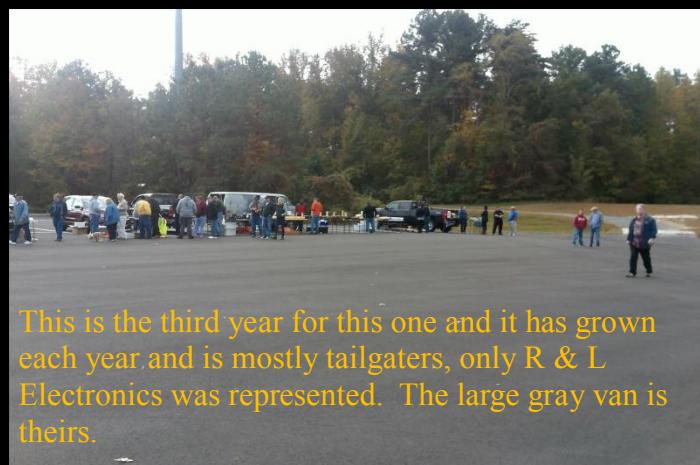
LOCAL AREA NETS

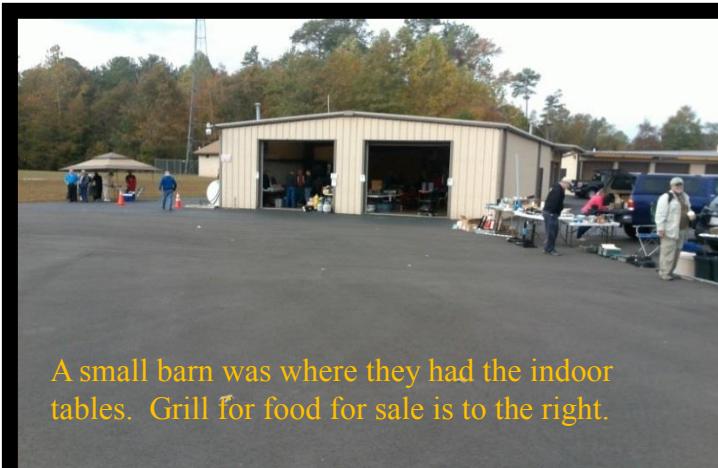
Day	Time	Freq. (MHz)	Net Name
Daily	9 – 10 am	145.330	Oriole Net
Daily	6 pm	3.820	Maryland Emergency Phone Net
Daily	6:30 – 7 pm	145.330 no PL	Baltimore Traffic Net (b/u 146.670 PL 107.2)
Daily	7 pm & 10 pm	3.643	MD/DC/DE Traffic Net
2 nd Tue	7:30 pm	146.670	Baltimore County RACES Net
2 nd Wed	8 pm	28.445	Aero ARC Net
4 th Wed	8 pm	147.240	Aero ARC Net
5 th Wed	8 pm	449.575	Aero ARC Net
When activated by NOAA		147.030	SkyWarn (primary)

First Tailgating Experience Together By Kelly Ester (KC3APP) and Charles T. Ester III (KC3ANJ)

Charles and I bit the bullet and decided to try our hand at tailgating together. We choose two smaller hamfests over the weekend of 10/24/2015 and 10/25/2015. The fests were The Third Annual St. Mary County Amateur Radio Association Tailgate Fest and The Carroll County Amateur Radio Club, Inc. Mason-Dixon Hamfest. Both, hamfests afforded opportunities for us to put faces to names and call signs, as well as allowing us to meet some very interesting and knowledgeable fellow hams. The bartering was excellent and there were many good deals to be had. But as they say a picture is worth a thousand words. Or should I say pictures.

The Third Annual St. Mary's County Amateur Radio Association Tailgate Fest 10/24/2015





The Carroll County Amateur Radio Club, Inc.

Mason-Dixon Hamfest

10/25/2015





NET REPORTS

02-10-16: 28.445 MHz, 20:00 to 21:16 local.

W3PGA Joe (NCS) Essex, KC3APF Kelly Dundalk, N3EKO Ron Parkville, N3VBJ Jerry Dundalk, KC3ANJ Charles Dundalk, KC3FBL Jim Parkville, W3JEH Ron Perry Hall, KB3JVP Ken Middle River, KA3SNY Dave Essex, KC3AID Marty Rosedale, KB3PGN Georgeann Essex, KC3FRH Charles Baltimore

2-24-16: 147.240 MHz

Joe WB3FMT canceled tonight's club net due to severe weather occurring in the area (lightning).

Upcoming Second Wednesday 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>
2/17	Fusion and Stuff	Charles Ester
3/16	Software Defined Radio (SDR)	Phil Hock
4/20	National Traffic System (NTF) Explained	Jerry Cimildora
5/18	No Presentation – Elections	
6/15	No Presentation – Field Day last meeting prep	
TBA	Volunteer Examiner Testing	Patricia Stone
TBD	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 session for 2016 on January 30th at the White Marsh Library. Congratulations to new Techs Don KC3GKE, Ann KC3GKF and Renzo KC3GKD also new General Frank KC3FBM and new Extra Ken KC3FDU.

A very special thanks to WB3FMT, N3VBJ, KC3APF and KC3FBL for assisting me with this session. It was a pleasure working with all of you.

A special thanks to Jim KC3FBL who served his first (of many I hope) session. Kudos to Kelly KC3AFP for the excellent training she provided.

Our next test session will be held at 9AM on March 19th at White Marsh Library. Please note the time change. See you then.

CLASSES, ETC.

SKYWARN

Thurs, 3/17/16, 6:30 - 9:30 pm: Skywarn Flood (BASIC Required)

Sponsor: MEMA, Gary Zamerski

Location: Maryland Emergency Management Agency, 5401 Rue Saint Lo Dr., Reisterstown, MD 21136

Info: <http://memaskywarnflood.eventbrite.com>

Thurs, 4/21/16, 7:00 – 10:00 pm: Skywarn Flood (BASIC Required)

Sponsor: Anne Arundel OEM, Paul Bowling

Location: Anne Arundel County Office of Emergency Management, 7480 Baltimore Annapolis Blvd., Glen Burnie, MD 21061

Info: <http://annearundelcountyskywearnflood.eventbrite.com>

Source: Jerry N3VBJ, Northeastern Coordinator for SKYWARN

UPCOMING HAMFESTS and EVENTS

April 4, 2016: Glenn L. Martin Aviation Museum Lecture Series, 7 pm, Lockheed Auditorium

Tom Jones, NASA astronaut, discusses his new book Ask the Astronaut: A Galaxy of Astounding Answers to Your Questions on Spaceflight (to be released in March 2016).

Saturday, April 9, 2016: Culpeper Amateur Radio Swapfest

Culpeper Agricultural Enterprise, 10220 James Monroe Hwy., Culpeper, VA 22701

Website: <http://w4cul.org>

Sponsor: Culpeper Amateur Radio Association

Talk-In: 147.120 (PL 146.2)

Contact: Bob Stohlman, K4RCG, 223 West Park Avenue, Culpeper, VA 22701, Phone: 540-825-2770, Email: bobstohlman@gmail.com

Glenn L. Martin Aviation Museum, 2016 Open Cockpit Days

April 9, May 14, June 11, July 9, August 13

Saturday, April 16, 2016: Delaware State Convention (Delmarva AR & Electronics EXPO) – Rescheduled

Sussex Technical High School, 17099 County Seat Hwy., Georgetown, DE 19947. Website:

www.radioelectronicsexpo.com

Sponsor: Sussex Amateur Radio Association. Talk-In: 147.090 (PL 156.7)

Contact: Herb Quick, KF3BT, PO Box 1431, Seaford, DE 19973

Phone: 302-629-4949, E-mail: herb@hamlontgraphics.com

Friday, April 15 thru Sunday April 17, 2016: VHF Super Conference

Holiday Inn Washington-Dulles International Airport, 45425 Holiday Dr, Sterling, VA 20163

Website: <http://vhfsuperconference.com/>

Sponsor: Southeastern VHF Society, North East Weak Signal Group & Mt. Airy VHF Radio Club. Hosted by the Grid Pirates Contest Group and Directive Systems and Engineering

Talk-In: None

Contact: Terry Price, W8ZN, 2702 Rodgers Terrace, Haymarket, VA 20169, Phone: 703-754-3876, Email: w8zn54@verizon.net

Saturday, May 7, 2016: The Greater Hagerstown Hamfest

Washington County Agriculture Center, MD Route 65 South, Sharpsburg Pike
Hagerstown, MD

Sponsor: Antietam Radio Association

<http://www.w3cwc.org/Menu/Hagerstown-Hamfest>

Talk-In: 147.09 (PL 100) & 146.94 backup

Contact: Brian Umbrell, W3PDW, 235 East King St., Chambersburg, PA 17201, Phone: 717-264-6403, E-mail: w3pdw@earthlink.net

Sunday, May 29, 2014: Memorial Day Hamfest

Howard County Fairgrounds, 2210 Fairgrounds Rd., West Friendship, MD 21794

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

Sponsor: Maryland FM Association

Talk-In: 146.76, 224.76, 444.0 (PL 107.2)

Contact: John Elgin, WA3MNN, 518 Copley Lane, Silver Spring, MD 20904, Phone: 301-641-5313 Email: marylandfm@verizon.net

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

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

DID YOU KNOW. . .??

THAT WE HAVE A PATRON SAINT?

During the German occupation of Poland, the priest **Fr. Maximilian Kolbe, SP3RN**, was arrested by the Germans. The Germans believed his amateur radio activities were somehow involved in espionage and he was transferred to Auschwitz on May 28, 1941. After some prisoners escaped in 1941, the Germans ordered that 10 prisoners be killed in retribution. Fr. Kolbe was martyred when he volunteered to take the place of one of the condemned men. On October 10, 1982 he was canonized by Pope John Paul II as Saint Maximilian Kolbe, Apostle of Consecration to Mary and declared a Martyr of Charity. He is considered the patron saint of amateur radio operators.

From the Skies over Mt. Essex

SKY Events for March 2016

Mar 1st – Last Quarter Moon.

Mar 7th – Jupiter at Opposition, visible all night.

Mar 8th – New Moon, Total Solar eclipse, visible in Indonesia and Pacific Ocean, not mainland U.S.

Mar 10th – Uranus in 1.9° N of the Moon, also Rings of Uranus discovered this date in 1977.

Mar 13th – DST starts ends on 11/6/16, Uranus discovered by William Herschel in 1781.

Mar 14th – Aldebaran is 0.3° s of the Moon.

Mar 15th – First Quarter Moon

Mar 17th – St Patrick's Day

Mar 18th – USSR's Alexei Leonov 1st Space walk.

Mar 20th – Vernal Equinox at 00:30 EDT Spring

Mar 23^{ed} – Full Moon “**Worm Moon**” for the Traditional American and the “**Sleepy Moon**” for the Chinese Full Moons; also a penumbral lunar eclipse visible in Hawaii, Australia and New Zealand, not U.S.

Mar 23rd – Venus is 0.5° S of Neptune

Mar 31st – First Quarter Moon, 2nd in one month.

Planet Lookout at mid-Month

Sunrise 07:16 EDT and Sunset 19:13 EDT

Mercury Hidden in the Sun's Glare all month.

Venus Dawn rises 06:29, magnitude -3.9; 10.8 arc seconds.

Mars Morning rises 00:38, magnitude -0.1 and 10.2 arc sec.

Jupiter Dusk, rises 18:12, magnitude -2.5 size 44.3 arc sec.

Saturn Morning rises 01:37, magnitude 0.4 size 17 arc sec.

Uranus Evening sets 20:59, magnitude +5.8 size 3.4 arc sec.

Neptune Dusk sets 17:45, magnitude +7.9 size 2.4 arc sec.

Who put the *tang* on the menu? Space Food!

Although many people (wrongly) believe NASA invented Tang®, the powdered orange drink mix does have a history that goes hand-in-hand with U.S. spaceflight.

Tang was originally made by General Foods in 1957, but its popularity reached new heights when it was chosen to fly with John Glenn on Mercury's Friendship 7 and on later Gemini Program missions.



Now made by Kraft Foods, Tang® is still going strong, with over 1 billion dollars in annual sales worldwide. Today, powdered drink mixes are still used onboard the ISS; they come in Mylar drink bags with special valves for rehydrating without leaking.

Tang® is a registered trademark of Kraft Foods, Inc., and is used with permission.

Other space foods include snack bars and ice cream. When NASA wanted to expand on the solid foods consumed during the Mercury and Gemini programs, they looked to Pillsbury food scientists to come up with a high-energy alternative to what was then the almost universally despised standard: gelatin-covered cubes. The “Space Food Stick” eventually made its way onto the third Skylab mission, but not before it became a pop culture icon and staple of NASA and museum gift shops. The Space Food Stick is considered by many to be the forerunner of today's energy bar.

Just like other space food products, some items develop a following after their life at NASA. Freeze-dried ice cream, or “Astronaut Ice Cream,” only flew in space one time aboard Apollo 7. The NASA process for making freeze-dried foods however, has been an important “spinoff” technology that has been used to create novelty “Astronaut” and camp foods for years. If you visit a science or aerospace museum just about anywhere in the world, chances are you will see Astronaut Ice Cream in the gift shop, wrapped in a shiny foil package. So despite its discouraging start, freeze-dried ice cream has managed to travel the globe.



© NASA Space Foods