



*Working a Special Event – Chino Grinder Bike Race
Chino Valley, Arizona, May 2015*

The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
Volume 13, Issue 5
May 2016

Editor Georgeann Vleck KB3PGN

Officers

| | |
|-------------------------|-----------------------|
| President | Joe Miko WB3FMT |
| Vice-President | Bob Venanzi ND3D |
| Recording Secretary | Lou Kordek AB3QK |
| Corresponding Secretary | Chuck Whittaker KB3EK |
| 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 | Jerry Cimildora N3VBJ |
| Trustee | Dave Fredrick KB3KRV |
| Club Nets | Joe Miko WB3FMT |
| Contests | 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 |
| Fridays | 7:30 pm | 145.330 | Back in the Day Net |
| When activated by NOAA | | 147.030 | SkyWarn (primary) |

Editor's Note

This issue of The Aerial is early this month.
I will be traveling in Arizona until the first week in May, so ...

HERE IT IS

Feeling nostalgic?

Want to talk over the Good Old Days?

Join Calvin AB3PP's new net -

The Back in the Day Net

Fridays, 7:30 pm, 145.330 (Shawsville repeater)

For an hour's quick trip to former days. Sounds like fun!

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

STATION ACTIVITIES

Thanks to Keon Hayes KE3HAY for an excellent presentation on contesting, propagation, and techniques.

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> |
|-------------|---|------------------|
| 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 |
| 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

Our next test session will be held at 1 pm on May 15th at White Marsh Library. Hope to see you then.

UPCOMING HAMFESTS and EVENTS

April 4, 2016: Martin Aviation Museum Speaker 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).

May 2: Huey Panel

June 6: Former USAF pilot Darrel Whitcomb talks about his experiences in Vietnam

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

Glenn L. Martin Aviation Museum, 2016 Open Cockpit Days

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

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 ...??

There is a new 440 repeater in Middle River?

Output 447.525 Input 442.525

PL 79.7 Open repeater

Sponsor: Joseph Drasal, III

954 Seneca Park Rd.

Middle River 21220

Notes from a Shack in Progress

By Kelly (KC3APF) and Charles (KC3ANJ) Ester

Well, Charles and I went to check out the MMARC Hamfest at the end of January and Frostfest at the beginning of February. What an amazing difference between these two hamfests! The Mobileers was a great one for reconnecting with hams we knew as well as meeting up with ones we had not met yet. Frostfest was an eye opener due to its size. As I said before, pictures can say it all.

Maryland Mobileers Amateur Radio Club Hamfest

January 30, 2016
Odenton Baptist Church
Odenton, MD



Richmond Amateur Telecommunications Society

Frostfest

February 6, 2016
Richmond, VA





Well, as you can see, the MMARC hamfest was much cozier than The RATS Frostfest. I hope you have enjoyed the photo recap of both hamfests. Hopefully we will make both next year.

From the Skies over Mt. Essex

SKY Events for May 2016

Transits a moving disk on the Sun!

May 2nd – Moon is 1.7° N of Neptune 7:00 EDT

May 4 – 6th – Eta Aquariids meteor shower, 20-60 per hr, from Halley's Comet, New Moon

May 5th – Alan Shepard 1st American in Space in Mercury's "Freedom 7" in 1961.

May 6th – New Moon and the Moon is 0.7° N of Venus at 4:00 EDT

May 9th – Mercury Transits the Sun starts 07:12 EDT ends 14:42 EDT.

May 13th - First Quarter Moon

May 14th – USA's Skylab launched in 1973

May 21st - Full Moon "Flower Moon" for the Traditional American and the "Dragon Moon" for the Chinese Full Moons. Also a Blue Moon the 4th in a season.

May 22nd - Mars at opposition, Saturn 3° S of Moon

May 29th – Last Quarter Moon.

May 30th – Mars closet approach 18.6 arc sec, closest since 2005. No It's not as big as the Moon!

Planet Lookout at mid-Month

Sunrise 04:52 EDT and Sunset 19:13 EDT

Mercury Transit 5/9/16 Glare of the Sun

Venus Dusk sets 19:42 mag -3.9, 9.8 arc sec

Mars Eve, rises 20:44, mag -1.9 and 17.9 arc sec. closest approach on 30th, size 18.6 arc sec.

Jupiter Eve, sets 02:57, mag -2.2 size 39 arc sec.

Saturn Eve rises 21:27, mag 0.1 size 18.4 arc sec.

Uranus Dawn rises 04:22, mag 5.9, size 3.3 arc sec.

Neptune Morn rises 02:45, magnitude +7.9 size 2.4 arc sec.

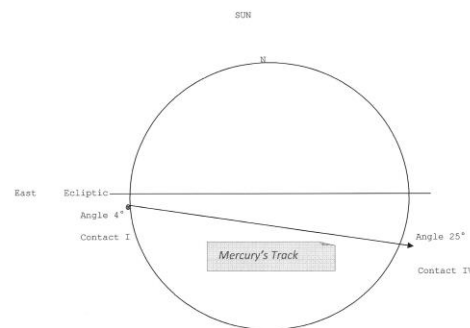
The transit is the passage of a planet across the disk of the Sun. As seen from Earth, only transits of the inner planets Mercury and Venus are possible.

On the average, there are 13 transits of Mercury each century. In comparison, transits of Venus usually occur in pairs with eight years separating the two events. However, more than a century elapses between each transit pair. The last transit of Venus occurred in 2012 the next will be in 2117.

The first observed transit of Mercury was in 1631. A few years later in 1639 the first observed transit of Venus occurred.

Sunrise on Monday May 5th is at 05:58 EDT. The transit starts at 07:12 EDT and runs through 14:42 EDT. It will take about 7 ½ hrs for the complete transit to take place. Mercury will move its own diameter in about 2 2/3 mins. Remember to use a solar filter not an eyepiece filter. Or if you project the sun's image you will need a 6 to 8 inch image, to see Mercury's spot. The next transit of Mercury will occur on 11/11/2019.

Transit of Mercury - May 09, 2016 from Baltimore, Maryland.



| I | II | Greatest | III | IV | Times in Local DST |
|------------------------|--------|-----------|-------|-------|--|
| h:m | h:m | h:m | h:m | h:m | |
| Baltimore MD Local DST | 07:12 | 07:15 | 10:57 | 14:39 | Sunrise 05:58 DST |
| Contact I Sun Alt | 13°18' | As 78°01' | | | Sunset 20:03 DST |
| | | | | | 14:42 |
| | | | | | Contact IV Sun Alt. 59°58' As 230° 35' |

The Sun will be approximately 1902 arc seconds in diameter, Mercury will be 12 arc seconds.
Plot information based on Cartes du Ciel V.3 (Sky Chart) animation.