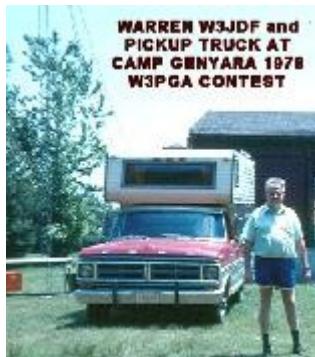


# **THE AERO AERIAL**

*The Aero ARC Celebrating 65 years of Amateur Radio Fun*



The newsletter of the Aero Amateur Radio Club  
Middle River, Md  
Volume 8 Issue 7  
July 2011

Editor Frank Stone AC3P

## Officers

Joe Miko	WB3FMT	President	Repeater
Bob Venanzi	ND3D	Vice-President	VE Testing
Lou Kordek	KB3LJF	Recording Secretary	Public Service
Pat Stone	AC3F	Corresponding Secretary	Webmaster
Warren Hartman	W3JDF	Treasurer	Trustee
Ron Distler	W3JEH	Resource Coordinator	Club Nets

## Committees

Phil Hock W3VRD
Pat Stone AC3F
Bob Landis WA3SWA
Al Alexander K3ROJ
Frank Stone AC3P
Joe Miko WB3FMT

## **ABOUT THE AERO AMATEUR RADIO CLUB**

Meetings: First and Third Wednesdays at 7:30 pm at Coffman's Diner  
(Middle River and Orem's Rd.)

Nets: See Local Area Net Schedule

Repeaters: W3PGA (147.24 MHz - / 449.575 MHz -)

WEBSITE: [www.aeroarc.us](http://www.aeroarc.us)

## LOCAL AREA NETS

Day	Time	Frequency (MHz)	NET NAME
Daily	9 – 10 am	147.03	ORIOLE Net
Daily	5:30– 6 pm	3.820	Maryland Emergency Phone Net
Daily	6:30 – 7 pm	146.670	Baltimore Traffic Net
Daily	7 pm and 10 pm	3.643	Maryland/DC/Delaware Traffic Net
1 <sup>st</sup> Tues	7:30 pm	145.330	Baltimore ARES Net
2 <sup>nd</sup> Tues	7:30 pm	146.670	Baltimore County <u>RACES</u> Net
2 <sup>nd</sup> Wed.	8 pm	28.445	AERO ARC Net
4 <sup>th</sup> Wed	8 pm	147.240	AERO ARC Net
5 <sup>th</sup> Wed.	8 pm	449.575	AERO ARC Net

*The Aero Quantum Mechanics Net: Anytime any Frequency contact WB3FMT. The last one was on 449.575 MHz on Tuesday 8 pm on March 30<sup>th</sup>. Who knows where or when the next one may be?*

## Aero Net Reports

### May

**10 Meters: AC3P(NCS) KA3SNY WB3FMT(via 440 Rptr)**

**2 Meters WB3FMT(NCS) AC3P KB3VAE K3AK W3VRD KA3SNY ND3D**

## Station Activities

**W3VRD** is working on a rotator problem. **WB3FMT** has HF antenna woes. **AC3F** while recuperating from surgery took to the air to help narrow down which of Joe's antennas was on the fritz. **AC3P** is exploring the wonders of the latest WINLINK software called WINMOR. **KB3PGN** is mailing out the Field Day invites. Happy **65<sup>th</sup>** Birthday Aero ARC.

# Inauguration Day



*"I do 'solemnly swear.'....."*



*October 1939*

As is stipulated in the club constitution the new officers take their posts on the first meeting in June.

Since outgoing Prez, Bob Landis, WA3SWA was successful in getting Joe Miko, WB3FMT, back on the train, it was fitting that Bob give Joe the "oath of office".

With all the membership assembled looking on, Bob led Joe, with right hand raised and left hand on an October 1939 QST, in the following oath:

"In recognition of the annual freight train, I, Joe Miko, do begrudgingly swear to uphold and support the constitution and by-laws of the Aero Amateur Radio Club.

I also vow to respectfully ride this train to the end of the line or May 31<sup>st</sup>, 2012, whichever comes first. So help me, Samuel F.B. Morse.".

The officers for the 2011-2012 year,

President: Joe Miko WB3FMT

Vice President: Bob Venanzi ND3D

Recording Secretary: Lou Kordek KB3LJF

Correspondence Secretary: Patricia Stone AC3F

Treasurer: Warren Hartman W3JDF

Resource Coordinator: Ron Distler W3JEH

The remaining officers were spared this ordeal.

## VE Corner *by Pat Stone AC3F*



It was a small turnout for the May test session at White Marsh. There were three applicants; one for upgrade and two for new licenses. Unfortunately only one of the three was successful. Congratulations to new ham and General, Wayne C La Belle III, **KB3WBJ**.

Thanks to the VE Team KB3KRV, AK3RX and AC3P.

The next session at White Marsh will be September 17<sup>th</sup>.

## Test Sessions Moving

After the September 17<sup>th</sup> test sessions, all future exams will be given at the Essex Branch of the Baltimore County public library. This move is necessary because the White Marsh Branch has reserved all their Saturday dates for library activities.

Nov. 19, 2011

Jan 21, 2012

Mar 17, 2012

May 19, 2012

All these Saturday dates will be at Essex with registration at 1 p.m.

# Was There An AERO ARC in 1920?



The Browns weren't the only thing Baltimore took from Cleveland. Before Glenn L Martin moved to Middle River in 1929, his aircraft company was located near that Ohio city. Some of Glenn L's earliest airplanes were built there. Of course many of the company's research and development efforts were made there.

In an obscure publication relating the history of radio in Ohio, is a listing of all radio stations according to the Radio Inspector for that region. Among the stations listed was the following:

Date issued	Call	Location	Licensee	Expiration Date
Sep 1, 1920	8XC	Cleveland	Glenn L. Martin Co.	4/1921

Prior to 1927 there were no letters in the prefixes of amateur call-signs. This begs the question. Did the Glen L. Martin Co. have an amateur radio club when it was located in Ohio? Since Aero ARC verbal lore recounts Mr. Martin's support of the establishment of a radio club post-WWII, the question seems reasonable.

There are no written records to establish that there was an actual club. Further investigation of the call-sign entry reveals that an X in the suffix designates an experimental station. The same practice held true in the later decade when early television stations also sported an X in their suffix. For example the callsign of the first TV station in New York in 1939 was W2XB. Even today one can get an experimental license that could be WA3XYZ.

So it appears that Glenn L Martin Co. had an experimental license for a Special Land Station back in 1920, perhaps to test the possibility of using radios in their aircraft. It is also possible that 8XC may have communicated with local amateurs during their tests. Just as Warren W3JDF about talking air-to-ground with the Martin P6M Seamasters when they were under flight test over Middle River.

In the end 8XC may not have been the great-grandfather of W3PGA, but it's nice to think that the experience the Martin Co. had with that station may have encouraged Glenn L. to support the employees to start a radio club.

*Ed Note: Thanks to Greg Stec, K3ANG, for forwarding this information.*

*Source: <http://earlyradiohistory.us/specld2.htm>*

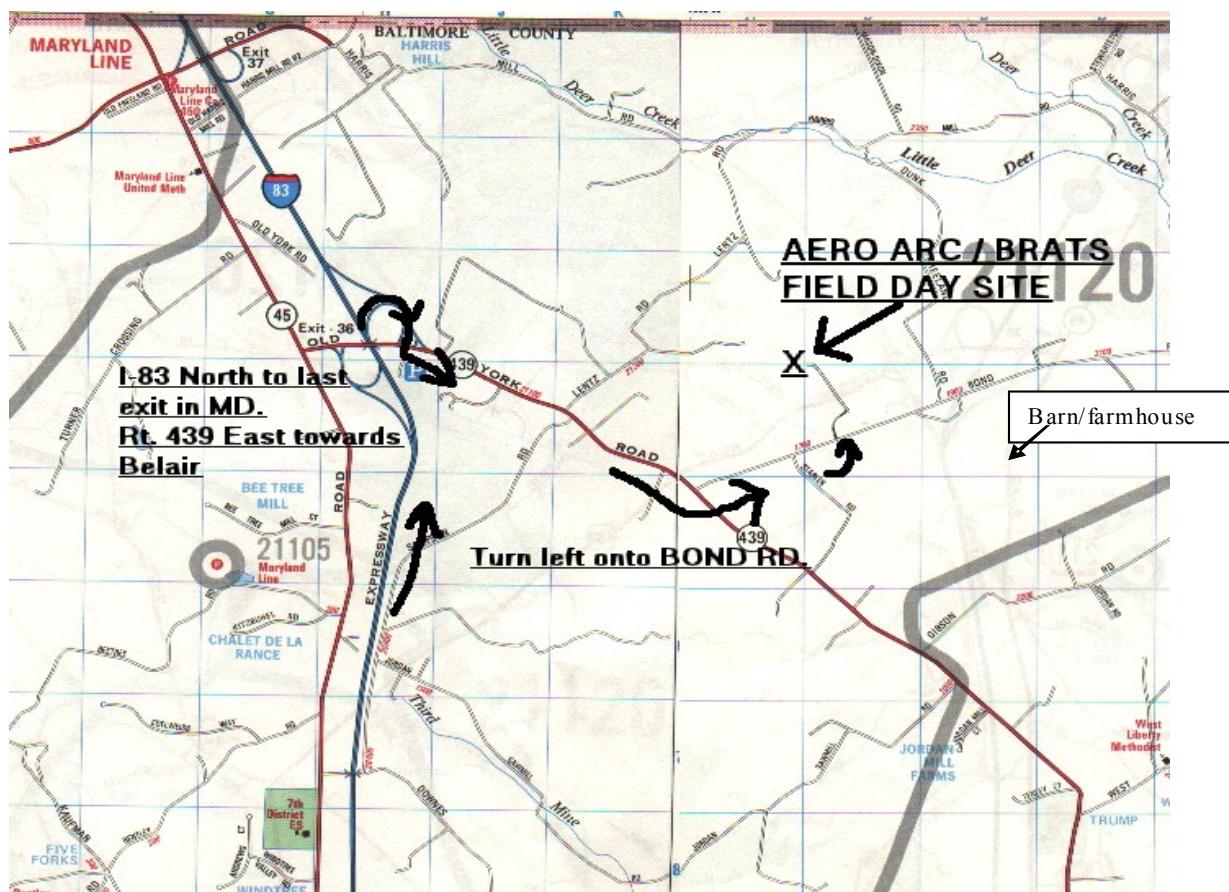
**Directions to AERO/BRATS Field Day Site**  
**Camp Genyara 1814 Bond Road**  
**near Maryland Line, Md.**  
**June 25 – 26, 2011**

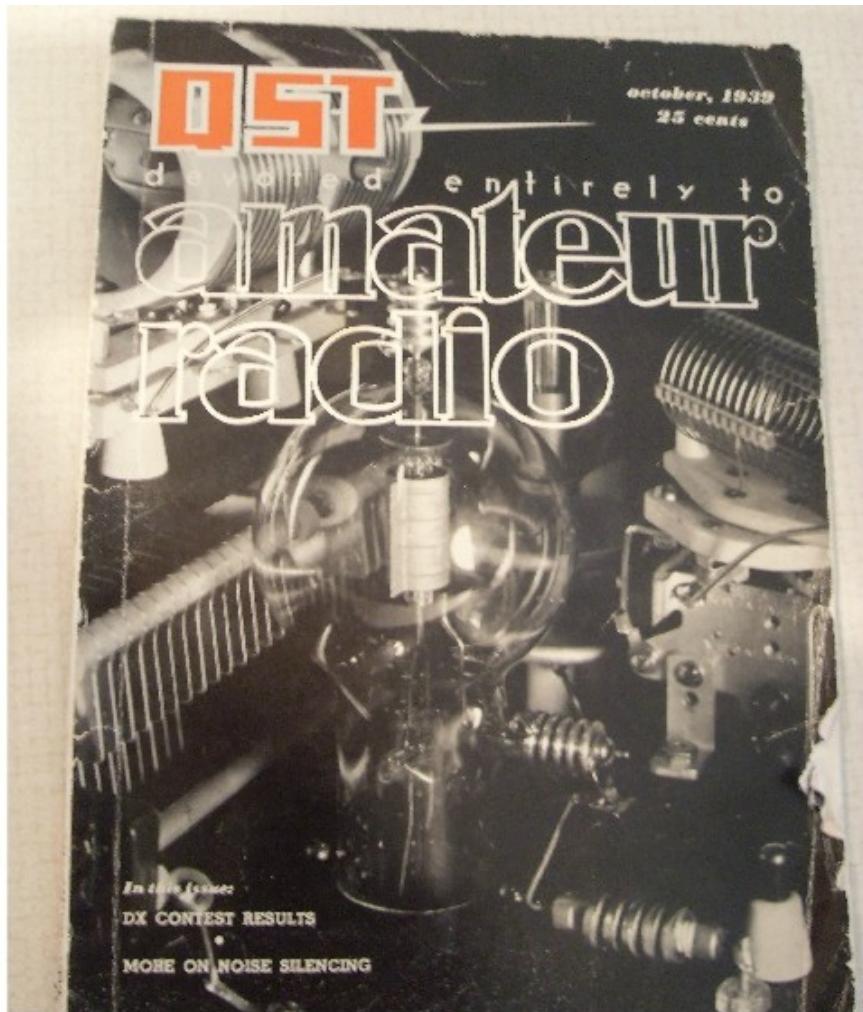
From Baltimore, take I 83 North to Exit 36, Route 439 East.

Take 439 East approximately 1 mile to BOND RD.

Turn left onto BOND RD.

Take BOND RD. approximately 1/2 mile to a dirt road on the left. (If you come to a barn and farmhouse on the left, you have gone too far.) Turn left onto the dirt road, follow it through the field and through a grove of tall pine trees. The pine trees have created a tunnel over the road. The Field Day site is at the end of the pine trees.





July 2011

						1	2
3	Independence Day 	4	5	6	7	8	9
IARU HF Contest			10 Meter Net 28.445 Mhz 8 pm				
10	11	12	13	14	15	16	
BRATS Hamfest Howard County Fairgrounds			Meeting Coffman's 7:30 pm				
17	18	19	20	21	22	23	
			2 meter Net 147.24 Mhz 8 pm				
24	25	26	27	28	29	30	
31							

# From the Skies over Mt. Essex

## SKY Events for July 2011

*July 1<sup>st</sup>* - New Moon, partial Solar Eclipse visible in the Antarctic Ocean south of Africa.

*July 4<sup>th</sup>* - “**Happy Birthday America**” your **235 years young**. The Earth is at aphelion (furthest point from the sun) 94,511,923 miles at 15 UT or 11:00 EDT.

*July 6<sup>th</sup>* – Mercury passes 0.3° South of the beehive cluster (M44) at 21 UT or 17:00 EDT.

*July 6-8<sup>th</sup>* - Waxing Moon passes below Saturn and Spica.

*July 7<sup>th</sup>* – First Quarter Moon

*July 12<sup>th</sup>* – Neptune’s 1<sup>st</sup> Birthday, first 165 year orbit since its discovery in 1846 by Johann Galle.

*July 14<sup>th</sup>* - Full Moon “**Ripe Corn Moon**” Native American tribes or “**Summer**” the Colonial Americans.

*July 20<sup>th</sup>* - Mercury at greatest Eastern elongation 27°.

*July 23<sup>rd</sup>* – Last Quarter Moon

*July 27<sup>th</sup>* – Mars is 0.5° north of the Moon at 17 UT or 13:00 EDT, the asteroid Vesta (320 miles wide) is visible in binoculars (magnitude +6.5) in Capricornus the sea goat.

*July 29<sup>th</sup>* - The S. δ-Aquarid meteor shower peaks at 15 UT, 11:00 EDT. Estimated rate is 20 per hour. Asteroid Pallas is at opposition this asteroid is 324 miles wide at magnitude +9.5 it can be seen in a small telescope in the constellation Sagitta (arrow).

## Planet Lookout

**Mercury** – Western evening sky magnitude +0.3 size 7 arc seconds.

**Venus** – Vanishes into the dawn twilight. Magnitude -3.9 size 10 arc seconds.

**Mars** – Low in the East in early dawn. Magnitude +1.4 size 4 arc seconds.

**Jupiter** – Rises in the early morning, high in the east-southeast as dawn. Magnitude -2.4 size 39 arc seconds.

**Saturn** - Southwest sky after sunset. Magnitude +0.9 magnitude size 17" arc seconds (disk).

**Uranus** – Rises near midnight Magnitude +5.8 magnitude, size 4" arc seconds.

## Astronomy Web Sites

There are a number of good Astronomy sites located on the web as well as apps for I-Phones Blackberries and clones. This is a list of a few helpful sites:

Sky and Telescope Magazine  
<http://skyandtelescope.com/news/>

Astronomy Magazine  
[www.astronomy.com](http://www.astronomy.com)

Space Weather – Daily Astronomy information <http://www.spaceweather.com>

NOAA Space Weather – Solar Storms  
<http://www.swpc.noaa.gov/>

Heavens Above Planet rise/set times satellite info.  
<http://heavens-above.com/>

NASA/ESA SOHO View the Sun 24hrs a day.  
<http://sohowww.nascom.nasa.com>

NASA GSFC Lunar and Solar Eclipse Info  
<http://sunearth.gsfc.nasa.gov/eclipse/eclipse.html>

US Naval Observatory  
<http://tycho.usno.navy.mil/cgi-bin/timer.pl>

Check for APPs for I Phones, Blackberries etc.

