

THE AERO AERIAL

Our Tenth Year of Publication



The newsletter of the Aero Amateur Radio Club
Middle River, Md
Volume 10 Issue 7
July 2013

Editor Frank Stone AC3P

Officers

| | | |
|----------------|--------|-------------------------|
| Joe Miko | WB3FMT | President |
| Bob Landis | WA3SWA | Vice-President |
| Lou Kordek | AB3QK | Recording Secretary |
| Frank Stone | AC3P | Corresponding Secretary |
| Warren Hartman | W3JDF | Treasurer |
| Ron Distler | W3JEH | Resource Coordinator |

Committees

| | |
|--------------------|--------------------------|
| Repeater | Phil Hock W3VRD |
| VE Testing | Pat Stone AC3F |
| Public Service | Bob Landis WA3SWA |
| Webmaster | Al Alexander K3ROJ |
| Trustee | Frank Stone AC3P |
| Club Nets | Joe Miko WB3FMT |
| Contests | Bob Venanzi ND3D |
| FAR Representative | Charles Ester III KC3ANJ |

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 -)
W3JEH (223.84 MHz -)

LOCAL AREA NETS

| Day | Time | Frequency (MHz) | NET NAME |
|----------------------|----------------|-----------------|-----------------------------------|
| Daily | 9 – 10 am | 147.33 | ORIOLE Net |
| Daily | 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 |
| 2 nd Tues | 7:30 pm | 146.670 | Baltimore County <u>RACES</u> 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 |

AERO NET REPORT

28.445 MHz: WB3FMT(NCS) W3JEH AC3P

147.24 MHz: WB3FMT(NCS) AC3P KC3AQD KB3JVP KB3VAE

449.575 MHz: WB3FMT(NCS) W3JEH AC3P KB3VAE KA3SNY

Station Activities

W3VRD, **KA3QAX**, **AC3P** and **AC3F** were heard on the 2 meter repeater passing information during the recent train accident. Congrats to **WA3SWA**, **KC3ANJ** and **KC3APF** for their efforts in Easton at the MS Society Bike Tour. **W3JDF** is active with the Glenn L Martin Aviation Museum.

Original 13 Colonies Special Event July 1 – 5

Listen for K2A, K2B, K2C, K2D, K2E, K2F, K2G, K2H, K2I, K2J, K2K, K2L
80m, 40m, 20m, 15m, 10m

THE US. ORIGINAL 13 COLONIES S/E GROUP PRESENTS THE 5TH ANNUAL:
Fourth Of July Week - The Original 13 Colonies Special Event
 JULY 1ST - JULY 5TH, 2013. -BANNERS OF THE REVOLUTION-





CLEAN SWEEP

13

COLONY STATES

| | | |
|--------|--------|--------|
| K2A-NY | K2E-DE | K2I-NJ |
| K2B-VA | K2F-MD | K2J-NC |
| K2C-RI | K2G-GA | K2K-NH |
| K2D-CT | K2H-MA | K2L-SC |
| | K2M-PA | |

WM3PEN



THIS IS TO CERTIFY THAT AMATEUR RADIO STATION **KU2US** HAS
 PARTICIPATED IN THIS 4TH OF JULY WEEK SPECIAL EVENT HONORING THE "13"
 ORIGINAL COLONY STATES AND THE INDEPENDENCE OF OUR NATION IN 1776.



LIBERTY AND UNION









73

KEN VILLONE-KU2US: EVENT MANAGER *Ken Villone*

For more information and QSL go to: <http://www.qrz.com/db/ku2u>



W 1 G



Special Event Station

Commemorating the Battle of Hanover and Gettysburg
June 30th July 1 2 3 1863
150th Anniversary



Hours of Operation: from 00:00 Z June 30th to 00:00 Z July 7th Z **EST**
Bands to include 10,12,15,17,20,40,80,160 SSB and CW

Please check QRZ for spotting and LIVE Video

QSL Information

For a **Beautiful 8 1/2 x 11 Certificate** suitable for mounting (not the one above)
Please follow the instructions below.

For a **Photo Quality Certificate only**: Mail a 9x12 Self-Addressed envelope,
With **NO POSTAGE** on it,

We will be supply postage with Commemorative Stamps and will be "hand cancelled" at the
Gettysburg Post Office.

(For this Certificate plus QSL Card PSE include **4 G-Stamps** to cover costs of printing and the
postage. and Gettysburg cancellation, it will be well worth it..)

For a Commemorative Post Card QSL Pse Send Self-addressed envelope (**NO POSTAGE**)

For this QSL PSE include **2 G-Stamps**

Please be sure to send your QSL and make sure we have your callsign.

Mail to: **WO4L 74 Curtis Drive East Berlin PA 17316**



Officers Installed



President Joe swears on the ARRL Handbook

At the June 5th meeting President Joe was sworn in taking the symbolic oath for all the returning and new club officers.

The Officers for the 2013 – 2014 term are:

Joe Miko, WB3FMT, President

Bob Landis, WASSWA, Vice-President

Warren Hartman, W3JDF, Treasurer

Lou Kordek, AK3QK, Recording Secretary

Frank Stone, AC3P, Corresponding Secretary

Ron Distler, W3JEH, Resource Coordinator.

Field Day 2013

The following information is being sent various local news outlets:

Press Release

June 3, 2012

The Aero Amateur Radio Club of Middle River, Md. will be setting up a field transmitting site to participate in the American Radio Relay League's annual emergency communications exercise known as Field Day.

Field Day is a 24 hour event during which amateur radio operators demonstrate their readiness to provide communications in an emergency or disaster by setting up transmitters, receivers, antennas and generators in the field and communicating with other amateur radio stations throughout the U.S. and around the world.

This year Field Day takes place on June 22 through June 23.

Club members will activate radio station W3PGA at Essex Skypark in Essex, Md. Operations will begin at 2 p.m. Saturday and continue until 2 p.m. Sunday. There will be demonstrations of Morse code, voice and digital communications.

Members of the press and public are invited to visit.

Essex Skypark is located at 1401 Diffendal Rd. off of Back River Neck Rd. Directions to the site can be found below.

For more information and directions to the site, call Frank Stone at 410-687-7209 or e-mail ac3p@juno.com

The Aero Amateur Radio Club began as an employee activity sponsored by the Glenn L. Martin Co. in 1946. Although the club is no longer sponsored by Martins it has been continuously active in the Essex-Middle River area.

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For information about the Aero Amateur Radio Club, visit www.aeroarc.us.

Directions to Essex Skypark W48.



The Skypark is located at 1401 Diffendall Road, in Essex Maryland. It is approximately 4.6 miles south of intersection of Eastern Boulevard MD 150 and Stemmers Run Road.

From Eastern Blvd. and Stemmers Run road go South on Stemmers Run Road it turns into Back River Neck Road. Stay on Back River Neck Road for approximately 4.1 miles you will see an Airport sign Essex Skypark. Make the right turn go about ½ mile the Field Day site is on the right just before the parking lot.

You can also reach the Airport by taking Baltimore Beltway I695 past exit 35 or JFK I95 (exit 33SB or 64NB) and going toward Essex. After passing Pulaski Highway RT 40 (exit 35) stay in the left lane and take RT 702. Stay on RT 702 till the end it runs into Back River Neck Road. Go about 1.6 miles and you will see the Airport sign on the right. Make a right turn and go about ½ mile. The site is on the right.

If you plan a fly-in the Airport's FAA designation is W48, located on the Washington Sectional and is 3 nm SE of Baltimore City. Use CTAF/UNICOM 122.7.

Field Day Help Needed

Field Day officially runs from 2 p.m. Saturday to 2 p.m. Sunday. But in addition there is work to be done prior to and after the event.

We need help setting up the equipment and antennas prior to and after the event. Setup begins Friday afternoon at about 4 p.m. What doesn't get accomplished Friday must be completed on Saturday morning and afternoon so that W3PGA is on the air at 2 p.m.

If you can, please come to the skypark to lend a hand.

Also during operations we need operators to keep the transmitters going. Please try to help by setting at least an hour aside to get on the air.

After the operation is over, we will again need help taking down the antennas and packing up the gear. Once again, please lend a hand if you can. Breakdown begins at 2 p.m. Sunday.

From T-MARC

May 2013

Applications in Process:

DelMarVa Group -- Received application for CTCSS change and ERP increase for 448.8250- in Delaware City, Delaware. Waiting on adjacent channel in Pa. for test results.

NERA Sent revised link coordinations for 442.4500 at Cacapon Mtn., W.Va.
Sent revised link coordinations for 443.2500 at Fork Mtn., Va.
Sent revised link coordinations for 447.7750 at Bull Run Mtn., Va.
Sent revised link and repeater coordinations for 449.9750 at Washington

Shenandoah Valley ARC Received application for modification of 146.8200 in Winchester, Va. Sent Notice of Proposed Coordination with modifications to neighboring coordination groups.

Christiana Hospital CARES Received application for coordination for UHF pair at Middletown, Delaware. Sent notice of proposed coordination to Area Repeater Coordination Council.

Southern Maryland ARC Received request for increase of AGL and lower ERP of 147.1500 in Brandywine, Md..

On Air Status Requests sent to:

| | | |
|-----------|-------|--------------------|
| 51.9000- | K5JMP | Stafford, Va. |
| 53.2300- | N3UR | Fork Mtn., Va. |
| 145.2500- | KK3L | Damascus, Md. |
| 145.4500- | AO-27 | Bull Run Mtn., Va. |
| 442.4125+ | AO-27 | Bull Run Mtn., Va. |
| 444.0500+ | NERA | Burtonsville, Md. |

Coordinations Withdrawn / Cancelled:

| | | |
|-----------|--------|------------------|
| 447.5750- | KB3KOU | Hyattsville, Md. |
|-----------|--------|------------------|

Other:

Received 1 Notice of Proposed Coordination for UHF link from South East

Repeater Association.

Received 1 Notice of Proposed Coordination for UHF repeater from South East Repeater Association.

T-MARC

The Mid-Atlantic Repeater Council

www.tmarc.org

From the Skies over Mt. Essex

SKY Events for July 2013

July 1st - The former planet Pluto is at opposition.

July 4th – Happy 237rd Birthday USA

July 5th - Earth at aphelion 11:00 EDT 94,508,959 mi, 3.1 M mi further than in Januar, Jupiter is 1.1° S of M35 in Gemini.

July 8th - New Moon.

July 15th - First Quarter Moon, Spica is 1.1° S of the Moon at 00:00 EDT.

July 16th – Mars is 0.4° S of M35 at 16:00 EDT and Saturn is 3.3° N of the Moon at 21:19 EDT.

July 20th - First Man on the Moon July 1969.

July 21st - *Venus and Regulus conjunction, Regulus is 1.2° below Venus.*

July 22nd -- Full Moon “**Blackberry**” for the Shawnee American Indian tribe and the “**Buck**” Traditional Full Moon Names and Mars is 0.8° upper left of Jupiter.

July 29th - Last Quarter Moon.

July 30th - *Mercury at greatest Western elongation 20°*

Planet Lookout at mid-Month

Sunrise 05:33 EDT and Sunset 20:31 EDT

Mercury - Dawn in the East, Mag +2.1, size 9.9 arc sec.

Venus - Dusk in Western Sky, Mag -3.9 Size 11.9 Arc sec.

Mars – Dawn ENE . Mag +1.6, size 3.9 arc sec

Jupiter - Dawn ENE . Mag -1.9, size 32.6 arc sec

Saturn - SW in evening sky Mag +0.6size 17.2 arc sec.

Uranus – Midnight in the East . Mag+5.8 size 3.5 arc seconds.

Neptune - Late evening. Mag +7.8 size 2.3 arc seconds.

Eagle: 540...down 30 and the Sun!

The space race effectively began with the Soviet launch of the Sputnik 1 the first artificial satellite on October 4, 1957, and concluded with the co-operative Apollo-Soyuz Test Project human spaceflight mission in July 1975. The Apollo-Soyuz Test Project came to symbolize detente, a partial easing of strained relations between the USSR and the US.

Getting to the moon was no easy task for either country. From 1957 to the Apollo landing in 1969 there were 73 attempts by both countries to go and land a man on the moon. Only 30 attempts were successful.

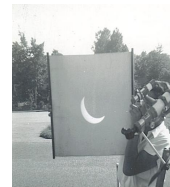
The USA had a success rate of 17 out of 30 or 56.6%; the USSR had a success rate of 13 out of the 43 or 30.2%.

Apollo 11 astronauts landed on the moon on July 20, 1969 at 20:17 UTC 16:17 EDT.

In 1969, 44 years ago man first stepped on the moon. Do you remember where you were? It was a Sunday evening and I was living in Middle River, MD. The first moon walk was televised live on July 20, 1969 at 22:56 EDT (July 21, 1969 at 2:56 UTC). My family viewed the event from Frank's (AC3P) parents house which was about a mile away, the relocation was due to a local power failure because of thunderstorms.

In all the USA would land a total of 6 Apollo craft on the moon. The Lunar Lander missions were Apollo 11, 12,14,15,16 and 17. Twelve men would walk on the moon between July 1969 and December 1972. Apollo missions 18 thru 20 were canceled; Apollo 13 mission was aborted due to an oxygen tank rupture. The rest is history.

My wife and I were guests of NASA for the Apollo 15 launch which occurred on July 26, 1971 at 09:34 EDT (14:34 UTC). We viewed the massive Saturn 5B launch from the bleachers in front of the vehicle assembly building (VAB). It was the most impressive and loudest launch I have ever seen.



Another July event occurred in 1963. It was the Total Solar eclipse of July 20. As viewed in Baltimore, MD. the eclipse was 83% total. After morning showers the skies cleared for the eclipse. This was Frank (AC3P) and Joe (WB3FMT) first of several solar eclipses viewings. This event some 50 years ago started a long and enjoyable time spent in observational Astronomy.

These are my three most memorable events occurring in the month of July.



July 2013

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|---|--|--|--|--|--|--|
| | 13 Colonies Battle of Gettysburg Special Events | 13 Colonies Battle of Gettysburg Special Events | Meeting Coffman's 7:30 pm 13 Colonies Gettysburg SE's | 13 Colonies Battle of Gettysburg Special Events | Battle of Gettysburg Special Event | Battle of Gettysburg Special Event Harrisburg |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| Battle of Gettysburg Special Event | 8 | 9 | 28.445 MHz Net 8 pm | 11 | 12 | IARU DX Contest |
| 7 | | | 10 | | | 13 |
| IARU DX Contest | 15 | 16 | Meeting Coffman's 7:30 pm | 18 | 19 | CQ Mag VHF Contest |
| 14 | | | 17 | | | 20 |
| BRATS Hamfest Howard County Fairgrounds CQ VHF Contest | 22 | 23 | 147.24 MHz Net 8 pm | 25 | 26 | 27 |
| 21 | | | 24 | | | |
| 28 | 29 | 30 | 449.575 MHz Net 8 pm | | | |
| | | | 31 | | | |
| | | | | | | |