



*It's coming! Get ready!*

## ***The Aero Aerial***

The Newsletter of the Aero Amateur Radio Club  
Middle River, MD  
Volume 14, Issue 6  
June 2018

Editor Georgeann Vleck KB3PGN

### ***Officers***

|                         |                       |                     |   |
|-------------------------|-----------------------|---------------------|---|
| President               | Joe Miko WB3FMT       | Repeater            | Phil Hock W3VRD<br>Jerry Cimildora N3VBJ    |
| Vice-President          | Jerry Cimildora N3VBJ | VE Testing          | Pat Stone AC3F                              |
| Recording Secretary     | Lou Kordek AB3QK      | Public Service      | Bob Landis WA3SWA                           |
| Corresponding Secretary | Pat Stone AC3F        | Webmaster, Facebook | Jerry Cimildora N3VBJ                       |
| Treasurer               | Warren Hartman W3JDF  | Trustee             | Dave Fredrick KB3KRV                        |
| Resource Coordinator    | Ron Distler W3JEH     | Club Nets           | Joe Miko WB3FMT                             |
|                         |                       | Contests            | Bob Venanzi ND3D<br>Charles Whittaker KB3EK |

### ***Committees***

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: | June 23       |  |  |
| Where: | Essex SkyPark |  |  |

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

Contact: Patricia Stone AC3F, email: [ac3f@juno.com](mailto: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 <sup>nd</sup> Tue    | 7:30 pm      | 146.670       | Baltimore County RACES 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                              |
| Fridays                | 7:30 pm      | 145.330       | Back in the Day Net                       |
| When activated by NOAA |              | 147.030       | SkyWarn (primary)                         |

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## FROM THE PRESIDENT'S DESK

Just a note to say, "Nothing Changed during the Election." All the elected members from 2017 were railroaded – er, um – reelected by unanimous votes. As soon as Robert Mueller finishes his investigation in Washington and beyond he will be free to check the results from the Aero Club.

Joe Miko President

Jerry Cimildora Vice President

Recording Secretary Lou Kordek

Corresponding Secretary Patricia Stone

Treasurer Warren Hartman

Resource Coordinator Ron Distler

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## NET REPORTS

### **5-9-18: 28.445 MHz, 20:00 – 20:24 local.**

W3PGA Joe NCS Essex, W3VRD Phil Essex, W3JEH Ron Perry Hall

3 members on the net.

### **5-23-18: 147.240, 20:00 to 20:20 local.**

W3PGA Patricia NCS Middle River, AD90 Rachael Baltimore City, K3ANG Gregg Lutherville, W1ASA Israel Baltimore City, K3TEL Arnold Towson

3 Aero members and 2 non-members on the net.

### **5-30-18: 449.575 MHz, 20:00 – 20:20 local.**

W3PGA Joe NCS Essex, K3TEL Arnold Towson, KC3FBM Franklin Parkville, W3VRD Phil Essex, AC3F Pat Middle River, W3JEH Ron Perry Hall

6 members on the net.

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## Upcoming Second Meeting Presentations

| Date | Topic                        | Presenter     |
|------|------------------------------|---------------|
| TBA  | FT8 – New Digital Mode*      | Phil W3VRD    |
| TBA  | Contest Logging with N1MM    | Bob ND3D      |
| TBA  | The Acu-rite Weather Station | ?Kelly KC3APF |

\*See article from ARRL below.

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](mailto:KB3PGN@reagan.com) for inclusion in the Aerial.*



**VE CORNER**  
by Pat Stone, AC3F

Our next test session for 2018 will be held during Field Day on Saturday, June 23 at the Essex SkyPark.

## UPCOMING HAMFESTS and EVENTS

### **Sunday, June 03, 2018: W4OVH Manassas Hamfest / Convention**

Prince William County Fairgrounds, Manassas, VA

Sponsor: Ole Virginia Hams ARC

For more info, click on: [ <http://manassashamfest.org/index.html> ]

### **Sunday, June 17, 2018: BARC's Father's Day Hamfest**

Arcadia VFC Carnival Grounds, Upperco, MD

Sponsor: Baltimore Amateur Radio Club

For more info, click on: [ <http://w3ft.com/hamfest.htm> ]

### **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](mailto:kb3oza@arrl.net)

### **Sunday, August 5, 2018: 68th Annual Berryville Hamfest**

Clarke County Ruritan Fairgrounds, Berryville, VA

Sponsor: Shenandoah Valley Amateur Radio Club

Website: [ <http://svarc.us/hamfest/> ]

### **Saturday, September 01, 2018: Pennsylvania State Convention (Uniontown Gabfest)**

Uniontown ARC Clubhouse, Uniontown, PA

Sponsor: Uniontown Amateur Radio Club

For more info, click on: [ <http://w3pie.org/gabfest.htm> ]

Printable Flyer: [ <http://www.w3pie.org/W3PIEUARChamfest2018.pdf> ]

### **Saturday, September 8, 2018: Virginia Beach Hamfest**

Virginia Beach Convention Center, Virginia Beach, VA

For more info, click on: [ <http://virginiabeachhamfest.com/> ]

### **Sunday, October 7, 2018: CARAfest**

Howard County (Maryland) Fairgrounds

Sponsor: Columbia Amateur Radio Association

For more info, click on: [ <http://www.carafest.org/> ]

### **Saturday, December 8, 2018: Third Annual SantaFest**

American Legion Youth Camp, Cheltenham, MD

Sponsor: Prince George's County Emergency Radio Association & American Legion

For more info, click on: [ <http://pgares.org/santafest/> ]

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

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## **INFORMATION FOR NEW HAMS**

from MDC Section Manager Marty Pittinger

The "Maryland-DC Section News," a monthly digest of essential and general news of interest to all amateur radio operators, is published monthly by the ARRL Maryland-DC Section Manager Marty Pittinger, KB3MXM, 4 Pegram Rd, Owings Mills, MD 21117-2116; landline 443-326-1783.

Please visit the MDC Section web page, [ <http://www.arrl-mdc.net> ] and the "ARRL MDC Section News and Alerts" web page, [ <http://www.arrl.org/sections/view/maryland-dc> ], for the latest MDC Section news, links and updates. You may also send an email to: [KB3MXM@ARRL.org](mailto:KB3MXM@ARRL.org)

My awesome, fantastic and professional editor is MDC Assistant Section Manager Al 'Brownie' Brown, KZ3AB.

## **BTN LOCAL NTS TRAFFIC AND TRAINING NET**

The BTN continues to meet on 145.33/R (no tone) daily at 6:30PM local time and continues to welcome new amateurs. The availability of an active directed traffic net of the NTS on VHF is exactly why the BTN was established, providing a welcoming place for newcomers to the Amateur Service. Thanks to all the BTN stations checking into the MEPN via Echolink.

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# **When All Else Fails ...**



Media Hit: Arizona Operators Help Save Lives in Tinder Fire

A broadcast news story in Arizona reported on amateurs helping save lives in the [Tinder Fire](#), south of Flagstaff. ARES members were cited in the report as serving at the Coconino County EOC to provide communications coverage owing to poor cell service at the fire line.

According to the story, for two hours, the ARES members relayed life-saving information, getting out a code red to those in the Blue Ridge community in the path of the flames. On the other end was a team member on the fire line needing to get evacuation information out fast.

View the broadcast news story [here](#).

Source: The ARES E-Letter for May 16, 2018

**[The video of the broadcast news story seems to be unavailable now. Here is the text of their story.]**

### **Ham radio operators help save lives in Tinder Fire**

*Amateur radios and their operators beat out modern technology last Sunday, possibly helping save lives in the Tinder Fire.*

Author: Jessica De Nova

Published: 6:14 PM PST April 30, 2018

Updated: 7:03 PM PST April 30, 2018

FLAGSTAFF, Ariz. – Amateur radios and their operators beat out modern technology last Sunday, possibly helping save lives in the Tinder Fire.

This form of communication is more than a century old.

Bill and Mary Lou Hagan are members of the Amateur Radio Emergency Service (ARES). The two and their emergency district coordinator, Joe Hobart, were at the Coconino County Emergency Operations Center (EOS) Sunday, when the communication troubles began because of poor cell service at the fire line.

"The cell phones started to become difficult and all of a sudden, the information started coming through here," Bill Hagan said.

Hobart isn't too fond of the name more commonly used for amateur radio—ham radio. "I think it started out as a not-very-complimentary term, you've heard of ham actors?" Hobart said.

This is just a pastime for the Hagans, who have been married for 54 years.

"It's a hobby to see how far away you can talk to people," Bill Hagan said.

Sunday, these ARES volunteers were anything but fun and games.

On the other end was a team member on the fire line needing to get evacuation information out fast.

"There was no time to waste," Mary Lou Hagan said.

For two hours, these hams relayed life-saving information, getting out a code red to those in the Blue Ridge community in the path of the flames.

"That's what you're here for. You're here to help your neighbors and they're our neighbors and the firemen you have to support them," Mary Lou Hagan said.

"I think the commercial people made a bit of fun of us until they found out that we were sometimes kind of useful," Hobart said.

Anyone needing the latest information on the Tinder Fire or evacuations is asked to call the EOC at 928-679-8393.

Source: <https://www.12news.com/article/news/local/arizona/ham-radio-operators-help-save-lives-in-tinder-fire/75-547444849> (Channel 12 is a TV station in Phoenix, AZ.)

# From the Skies over Mt. Essex

## SKY Events for June 2018

June 1<sup>st</sup> – Saturn is 1.6° S of the Moon

June 3<sup>rd</sup> – U.S. Edward White makes the first American space walk in 1965, 200 inch Hale telescope dedicated in 1948.

June 7<sup>th</sup> – Last Quarter Moon

June 13<sup>th</sup> – New Moon.

June 14<sup>th</sup> – Earliest Sunrise

June 16<sup>th</sup> – Venus is 2° N of the Moon (09 EDT)

June 18<sup>th</sup> – Regulus is 1.7° S of the Moon (04 EDT)

June 20<sup>th</sup> – First Quarter Moon and Venus is 0.4° N Beehive (M44) (01 EDT) also the longest day.

June 21<sup>th</sup> – Summer Solstice UTC 10:07, 06:07 EDT

June 24<sup>th</sup> Latest twilight of the year.

June 27<sup>th</sup> – Saturn is at opposition.

June 28<sup>th</sup> - Full Moon Colonial Full Moon name is “Rose Moon” and Cherokee as “Green Corn Moon”

### Planet Lookout at mid-Month

#### Sunrise 05:39 EDT and Sunset 20:34 EDT

Mercury

Venus

Mars See the charts for June & July

Jupiter

Happy Planet Hunting!

Saturn

Uranus

Neptune

Pluto

## June the Month of Planets

June is the months of Planets, in a single month you can see seven of the eight planets.

The evening planets are Mercury, Venus, Mars, Jupiter, Saturn the early morning sky will show Uranus and Neptune and even Pluto (dwarf planet 134340).

This means in a marathon session of one night you could bang out all the planets in our solar system, or you can space it out over the summer.

The approximate sizes of the planets range from 0.1 for Pluto up to 44.1 arc seconds for Jupiter. All times are in DST for the 15th of June. Sunset on June 15th is 20:34 with sunrise on the 16th at 05:39. The moon should not be a problem it is just past a New Moon on the 13th.

| Planet  | Rise  | Set   | Magnitude | Size Arc Sec |
|---------|-------|-------|-----------|--------------|
| Mercury | 06:21 | 21:32 | -1.2      | 5.4          |
| Venus   | 08:30 | 23:09 | -4.0      | 14.4         |
| Mars    | 23:30 | 09:05 | -1.7      | 18.0         |
| Jupiter | 17:06 | 22:17 | -2.4      | 42.9         |
| Saturn  | 21:13 | 06:45 | 0.1       | 18.4         |
| Uranus  | 02:48 | 16:09 | 5.9       | 3.4          |
| Neptune | 01:01 | 12:24 | 7.9       | 2.5          |
| Pluto   | 22:10 | 07:48 | 14.2      | 0.1          |

**Missed June? You get a second chance during July!**

**July 15<sup>th</sup>** Sun set 20:31, rise 05:52 / Moon rise 08:45 set 22:43 just past new.

| Planet  | Rise  | Set   | Magnitude | Size Arc Sec |
|---------|-------|-------|-----------|--------------|
| Mercury | 08:07 | 21:46 | 0.7       | 8.4          |
| Venus   | 09:28 | 22:41 | -4.1      | 17.7         |
| Mars    | 21:38 | 06:49 | -2.6      | 23.3         |
| Jupiter | 15:04 | 01:32 | -2.2      | 39.7         |
| Saturn  | 19:07 | 04:37 | 0.1       | 18.3         |
| Uranus  | 00:53 | 14:15 | 5.8       | 3.4          |
| Neptune | 22:59 | 10:25 | 7.9       | 2.5          |
| Pluto   | 20:10 | 05:46 | 14.2      | 0.1          |

A note for finding Pluto you will need a star chart or map showing a limiting magnitude of +15 and an 8-inch diameter objective lens.