



The Aero Aerial

The Newsletter of the Aero Amateur Radio Club
Middle River, MD
Volume 18, Issue 6
June 2022

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Repeater

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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 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 – 70 Centimeters (449.575 MHz Repeater) @ 8 p.m. Local Time

Fourth Wednesday Net – 2 Meters (147.24 MHz Repeater) @ 8 p.m. Local Time

Fifth Wednesday Net – 10 Meters (28.445 MHz) @ 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.

2022 Examination Schedule

Time:	12 noon	12 noon	
Dates:	Sat., May 21		
Where:	American Legion, Rosedale	American Legion, Rosedale	

American Legion Post 180, 1331 Seling Ave., Rosedale, MD 21237

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	Balto. 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	449.575	Aero ARC Net
4 th Wed	8 pm	147.240	Aero ARC Net
5 th Wed	8 pm	28.445	Aero ARC Net
Fridays	7:30 pm	145.330	Back in the Day Net
When activated by NOAA		147.030	SkyWarn (primary)

From the President's Desk

Club Elections were held on May 18th, and for once Bob did not railroad me....someone else did, I think it was Phil. Anyway, no changes to the Officers for the club.

Joe Miko, WB3FMT
President

Net Reports

5/11/22: 440 net, 20:00 -20:18.

W3PGA NCS Joe Essex, AC3F Pat Middle River, WA3QYL Tom Middle River, K3DON Don Joppatowne
4 members on the net

5/25/22: 2 meter net, 20:00 -20:32.

W3PGA NCS Joe Essex, K3DON Don Joppatowne via telephone, AC3F Pat Middle River, AC3EO Dave Baltimore City, WA3QLY Tom Middle River
5 members on the net

VE CORNER

by Pat Stone, AC3F

The AERO VE Team held its second session of 2022 on March 19th. We served 3 applicants. Congratulations to new Techs Terry KC3TVP and Duron KC3TVQ.

Many thanks to VE's WA3QLY, N3RES, and AC3EO for assisting me with this session. We couldn't do this without you. Hope to see you in March. It's always a joy working with you.



Our next test session will be held on Saturday, May 21st at 12:00PM Noon at the American Legion Post 180 in Rosedale. Hope to see you then.

Hamfests

Saturday, June 4, 2022: Manassas Hamfest 2022

Location: Manassas Park Recreation Center, 99 Adams St., Manassas Park, VA

Website: <http://www.manassashamfest.com>

Sponsor: W4OVH Ole Virginia Hams

Type: ARRL Hamfest

Talk-In: 146.970 No PL

Public Contact: Don Meyerhoff , WA2SWX, PO Box 1255 Manassas, VA 20108-1255, Phone: 703-597-3211, Email: wa2swxdm@gmail.com

Sunday, June 19, 2022: Father's Day Hamfest at Arcadia

Location: Arcadia Fairgrounds, 16920 Carnival Ave., Upperco, MD 21155

Website: <http://W3FT.com> Facebook Baltimore Amateur Radio Club

Sponsor: BARC

Type: ARRL Hamfest

Talk-In: 146.67 PL 107.2

Public Contact: David Shadwell , AB3TE, P.O.Box 120 Reisterstown, MD 21136, Phone: 410-252-2878,

Email: W3FT67@yahoo.com

HAM NEWS

The more things change, the more they stay the same...

New FCC License Fees Take Effect, Crash Licensing Computers



The new \$35 fee for most amateur radio license applications (exceptions: license upgrades and administrative updates) took effect on April 19 and the updated software for processing batch applications from the volunteer examiner coordinators crashed within hours. According to the ARRL, the system was down for four days, going back online on April 23, but resulting in a backlog of unprocessed applications. The League says applicants should expect delays in normal FCC turnaround times.

A related item: The ARRL-VEC reports that the League's Youth Licensing Grant Program took effect along with the new fees on April 19. Under the program, ARRL will reimburse the \$35 filing fee for successful new license candidates younger than age 18 for tests administered through the ARRL-VEC. The League has also reduced its exam fee for candidates under 18 from \$15 to \$5. Details may be found at <<https://tinyurl.com/mv3jwct>>.

Posted by [CQ Newsroom](#) at [12:07 PM](#)

Source: <http://cqnewsroom.blogspot.com/>

Lewis and Clark Trail on the Air

The Lewis and Clark Trail on the Air special event is scheduled for June 4 - 19, 2022. The Clark County Amateur Radio Club is sponsoring the inaugural event, and we hope to make it a yearly occurrence. There will be at least one club on the air in each of the 16 states covered by the trail, and the clubs are as excited as we are about the event. The operating modes are SSB phone, FM phone (2 meters only), CW, and FT8. Those that contact all 16 states will receive the Expedition Partner Certificate, and those that contact 1 - 15 states can receive the Trail Companion Certificate. Check the website, <https://lctota.org>, for certificate examples and additional information. Our committee is working hard to make this a top-notch event. Be sure to mark your calendars!

--*Thanks to the Clark County Amateur Radio Club*

Source: ARRL Club News for May 24, 2022

An Idea on New-Ham Mentoring

Each year, the Tamiami Amateur Radio Club (TARC) in Venice, Florida, takes in 10 to 20 new, first-year club members following their Volunteer Examiner testing with TARC. And each year, we lose 80 to 90 percent of them. We hope that establishing a formal mentoring program will help to retain many of these new hams, not necessarily as dues-paying members, but as hams looking to grow and learn more about their new hobby.

In April, TARC began offering the following:

In the hour before each monthly club meeting, one or more experienced club members are available to answer questions about the hobby or to help program handheld transceivers with local repeater frequencies. We ask that you please use our email address (askelmer@tamiamiarc.org) to give us a heads up about your question or problem, so that we can be better prepared to help you.

On the third Saturday of each month (excluding July and August), one or more experienced club member hosts an outdoor portable operating event of some type to help new hams learn how to establish and operate an HF radio station. Anyone is welcome to come get hands-on experience with the equipment and with making contacts.

Contact Paul Nienaber, KN4BAR, at paul9aber@gmail.com for more information about mentoring at TARC.

--*Thanks to the Tamiami Amateur Radio Club*

Source: ARRL Club News for May 24, 2022

From the Skies over Mt. Essex

SKY Events for June 2022

Jun 1st -- Ceres (asteroid) is 0.1° S of the Moon 21UT, 17 EDT

Jun 3rd – 200" Hale Telescope dedicated in 1948.

Jun 7th – First Quarter Moon

Jun 11th – Venus 1.6° S of Uranus 13UT, 09 EDT, Pluto renamed a Plutoid in 2008, Nolonger a planet!

Jun 14th - Full Moon, “Strawberry Moon for Traditional and “Nipon or Summer Moon” for the Passamaquoddy (Great Lakes Tribes) Also a Super Moon...

Jun 16th - Mercury greatest elongation West (23°) 15UT, 11 EDT

Jun 18th – Saturn 4° N of Moon 12UT, 8 EDT

Jun 20th - Last Quarter Moon

Jun 21st – Summer Solstice 9:14UT, 05:14 EDT

Jun 28th - New Moon

Jun 30th Tunguska meteor impact in Siberia in 1908.

Planet Lookout at mid-Month

Sunrise 05:41 EDT and Sunset 20:24 EDT

Mercury Morning Rise 04:32 Set 18:24; Mag+0.7-; Size 8.4 arc seconds.

Venus Morning 03:49, Sets 17:38 Mag -3.9 and 12.8 arc seconds.

Mars Morning Rises 2:12, Sets 14:45, Mag +0.6 and 6.8 arc seconds wide.

Jupiter Morning, rises 01:45, Sets 13:56, Mag-2.3 size 38.8 arc seconds.

Saturn Morning, 00:01, Sets 10:37, Mag+0.7 size 17.8arc seconds.

Uranus Evening **Rises** 03:31 Sets 17:19; Mag +5.8 size 3.3 arc seconds.

Neptune Morning Rises 01:19 Sets 13:05; Mag +8 size 2.4

Time...The Fourth Dimension!

What is Time? - Time **Definition of time, per the Merriam-Webster Dictionary.**

1a: the measured or measurable period during which an action, process, or condition exists or continues : **DURATION**

b: a nonspatial continuum that is measured in terms of events which succeed one another from past through present to future

c: **LEISURE**

What actually causes time? - Time is a phenomenon that is actually caused by spatial expansion. There are lots of parts in play!

Who ‘invented’ time? - Time was invented during the Big Bang (When the Universe was created). Since time is a reference frame between two or more discrete events, prior to the creation of the Universe there was nothing therefore no time. Time is the fourth dimension. The Egyptians were the first to use a timing device (water clock) over 3,500 years ago. They also devised a 12-hour day.

Humans (creatures on Earth) are three dimensional beings. Each composed of Height, Length and Width.

St. Augustine *[or was it St. Thomas Aquinas? – ed.]* stated he knew what time was! But he could not explain what it is.

We have taken great strides in determining how to measure time, from years to parts of a second, with an accuracy of parts per million in thousands of years.

We all perceive the passage of time differently! An example, a teenager and senior citizen given a stopwatch and ask them, without looking at the watch, “Stop when you think 1 minute has passed.” The results will be shocking, but will be consistence between the teens and elders. One group will be less than, the other will be over a minute.

No matter whether we know it or not we use this link to the fourth dimension without thinking, in almost interaction we have with fellow humans. Meeting: 1 Why, 2 Location of Event, 3 Calendar Day, 4 Time of Day. You need these four attributes to perform any normal functions, thanks to Time.