THE AERO AERIAL

The Meeting After the Meeting

The newsletter of the Aero Amateur Radio Club
Middle River, Md
Volume 7 Issue 10
October 2010

Editor Frank Stone AC3P

Officers			Committees	
Bob Landis	WA3SWA	President	Repeater	Phil Hock W3VRD
Bob Venanzi	ND3D	Vice-President	VE Testing	Pat Stone AC3F
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Pat Stone	AC3F	Corresponding Secretary	Webmaster	Al Alexander K3ROJ
Warren Hartman	W3JDF	Treasurer	Trustee	Frank Stone AC3P
Ron Distler	W3JEH	Property Mgr	Club Nets	Joe Miko WB3FMT

ABOUT THE AERO AMATUER 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

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
1st Tues	7:30 pm	145.330	Baltimore ARES Net
2nd Tues	7:30 pm	146.670	Baltimore County RACES Net
2nd Wed.	8 pm	28.445	AERO ARC Net
4th Wed	8 pm	147.240	AERO ARC Net
5th 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 30t. Who knows where or when the next on may be?

Net Reports
August

10 Meters: WB3FMT(NCS) W3JEH AC3P KA3SNY

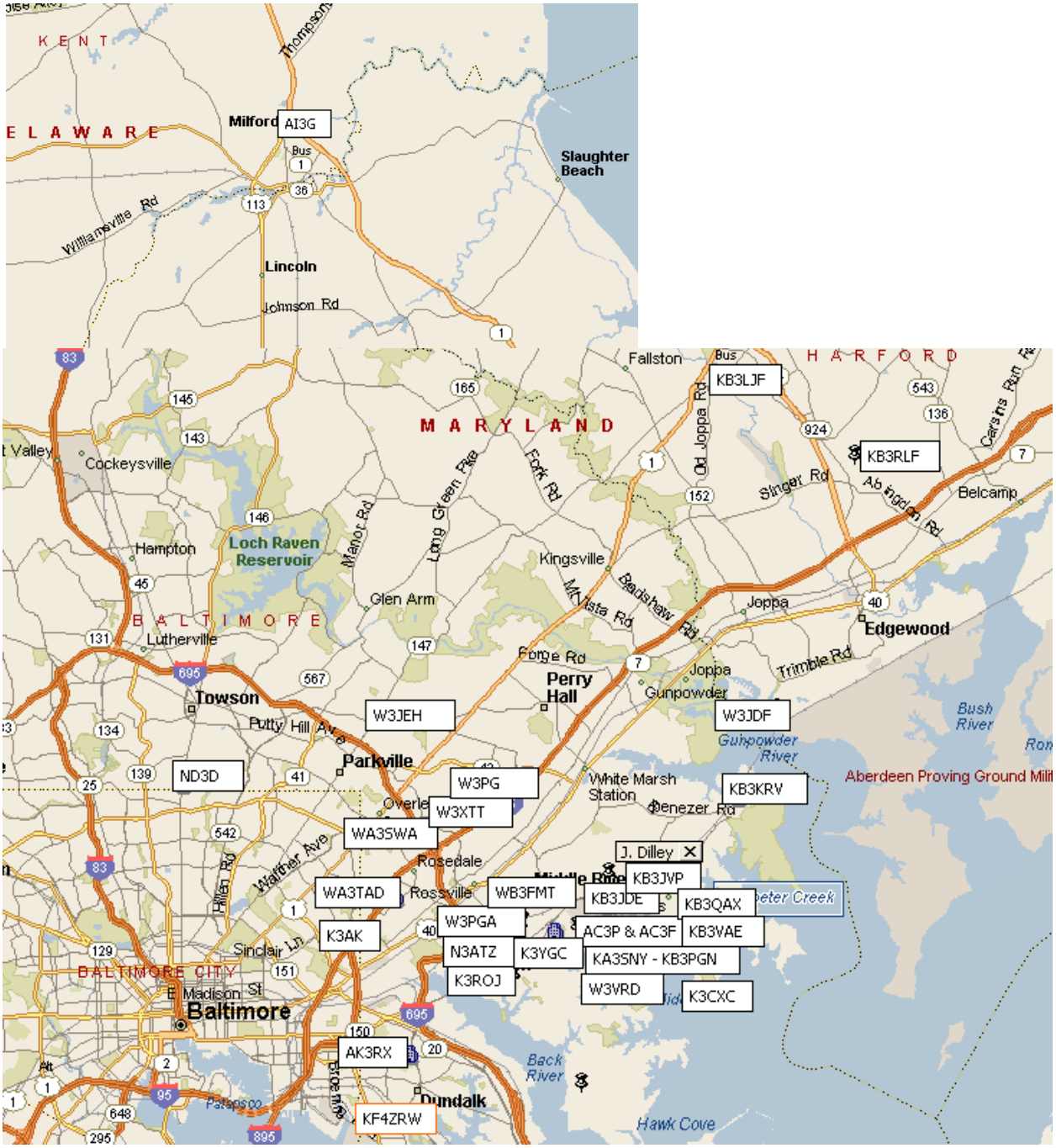
2 Meters: WB3FMT(NCS) AC3P W3VRD KA3SNY K3ROJ KB3VAE

Station Activities

AC3F demonstrated her crochet prowess at the Md. State Fair picking up a First Place prize. Call her for untangling coax. **KB3JDE** has a new QTH in Essex. **AI3G** reports working Field Day with the new club in Delaware. **AC3P** worked the September VHF Contest. **KB3PGN** is working the hustings. **KA3SNY** is portable 7. **W3VRD** is working through a pile of QSLs. **KB3JVP** made a rare appearance on the 2 meter net.

What's UR QTH?

AERO ARC Members as of 9/5/2010



Public Service Opportunities

October 16th. Baltimore Marathon. Contact Henry Katz **KB3NYW** henrykz@earthlink.net.

October 16th Boy Scout Jamboree On THe Air. Contact Richard Hoerner **KB3VAE.**

October 31st Marine Marathon in Washington DC. See **www.ncacdc.com** for info.

VE Counts Are In

The ARRL Website has reposted their counts for VEs participating in test sessions. It appears that the AERO ARC Team has the only ARRL Test Session in the MDDC Division. Pat Stone AC3F is second in the division with the number of tests sessions participated. How does the team stand?

AC3F - 70

AC3P – 68

WB3FMT – 31

KB3KRV – 30

AI3G – 18

ND3D – 13

K3ROJ -12

AK3RX – 10

N3VEJ – 8

K3YGC – 5

WA3G – 4.

The November session will wrap up 10 years of testing with Aero sponsorship.

Thanks to all the VE's who have helped over the years.

Blue Moon Net

. . . . .dip didip didip....

Everyone is familiar with the Aero ARC Net Schedule on the second,fourth and fifth Wednesdays the month. Once in a “Blue Moon” we throw in an additional on the air get together on some different band and maybe a different mode.

According to The Old Farmer's Almanac another Blue Moon will occur on Sunday November 21st. To celebrate the occassion the Aero ARC will hold a Blue Moon Net on 6 meters FM Simplex. The net will be called at 8 p.m. Local time on 52.54Mhz FM. Everyone is invited to check in.

Jamboree On The Air

CQ Scouts...former Scouts and Scouters....October 16th Scouts around the world will participate in the 53rd annual Jamboree on the Air. This event is a good way to introduce scouts to the world of Amateur Radio Communications. Amateur operators will team up with scout units to allow youth to talk to each other on the air.

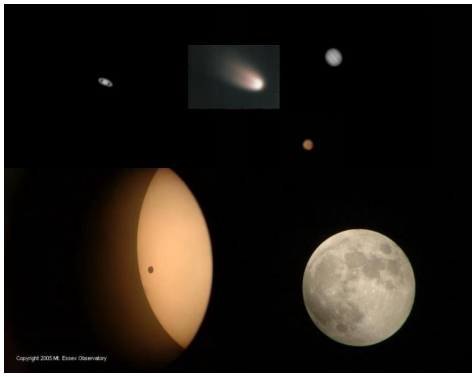
The Aero Club is planning to participate this year by setting up a field station at Camp Spencer in Broadcreek Scout Reservation in Harford County operators are needed to help with setup and on the air activity.

Anyone interested in helping should contact Richard Hoerner KB3VAE at the first meeting in October ..

October 2010

					1	2
CARAFEST Howard County Fairgrounds www.carafest.org 3	4	5	Meeting Coffman's 7:30 pm 6	7	8	9
10	11	12	10 Meter Net 28.445 Mhz 8 p.m. 13	14	15	Maryland Marathon BSA JOTA 16
17	18	19	Meeting Coffman's 7:30 p.m. 20	21	22	23
Mason-Dixon Fest Westminster Md www.qis.net/~k3pzn 24	25	26	2 Meter Net 147.24 Mhz 8 p.m. 27	28	29	CQ WW DX Contest 30
Marine Corps Marathon CQ WW DX Contest 31						

“Mt. Essex” New WEBSITE



As visitors to the Aero Club's Webite may have noticed, there are some pages dedicated to Amateur Astronomy known as “Mt. Essex Observatory”. The pages contain photos of celestial objects taken by Aero Club members Joe WB3FMT and Frank AC3P.

Frank and Joe have started a separate Website under the name “Mt. Essex Observatory” to display more pictures of celestial events over the past 50 years.

The website address is http://home.comcast.net/~frank-stone/Mt%20Essex/mtessex.htm.

Take look at the new pictures as Frank and Joe post them and check out the list of upcoming sky events for each month.

ARRL Gets An Asteroid

The International Astronomical Union which has the sole authority to name stars, planets comets etc. has designated Asteroid 31531 as “ARRL”.

The minor planet was discovered by Joe Montani, W7DXW, a research scientist, with the University of Arizona Near-Earth Asteroid Lunar and Planetary Lab. Joe requested that the object previously known as 1999-CQ-137 be renamed ARRL. Joe's request was approved on July 27th.

Asteroid ARRL is 2.5 – 4 miles long and about 251 million miles from Earth, currently in between Libra and Scorpius at magnitude 19.5. (*Joe we need a larger scope. Ed*.).

From the Skies over Mt. Essex

SKY Events for October 2010

October 2nd Moon passes 7º North of Jupiter at 7am.

October 7th New Moon

October 8th Draconids Meteor Shower near Beta Draconis in Draco the Dragon.

October 9th Moon passes 4º South of Mars at 10pm EDT.

October 14th First Quarter Moon

October 22nd Full Moon "Harvest Moon"

October 30th Last Quarter Moon

October 31th Double-shadow transit of Jupiter's moons 12:17 am

Planet Lookout

Mercury – In the Glare of the Sun.

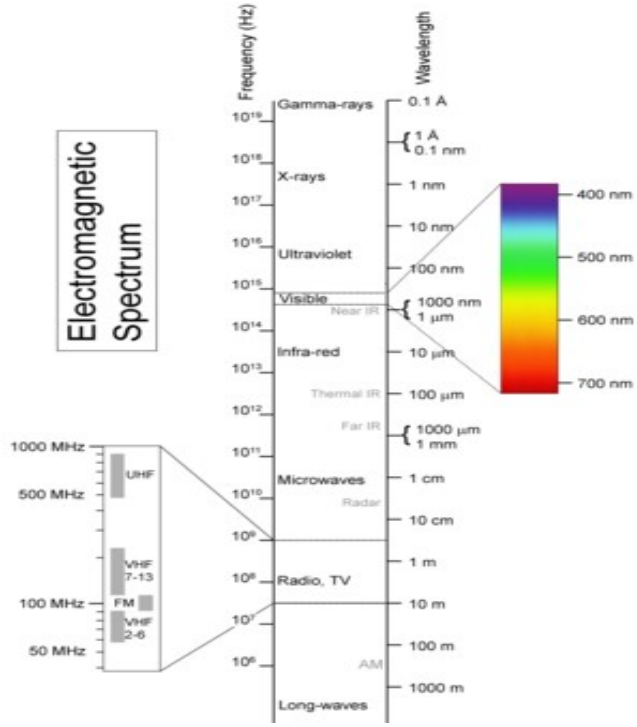
Venus – In the Glare of the Sun.

Mars – In the Glare of the Sun.

Jupiter- Up in the East at Sunset.

Saturn- In the Glare of the Sun.

What is the Spectrum?The Color that we see is radiation.



Generally, electromagnet (EM) radiation is classified by wavelength into radio wave, microwave, infrared, the visible region we perceive as light, ultraviolet, X-rays and gamma rays. The behavior of EM radiation depends on its wavelength. When EM radiation interacts with single atoms and molecules, its behavior also depends on the amount of energy per quantum (photon) it carries.

Spectroscopy can detect a much wider region of the EM spectrum than the **visible** range of **400 nm to 700 nm**. A common laboratory spectroscope can detect wavelengths from 2 nm to 2500 nm. Detailed information about the physical properties of objects, gases, or even stars can be obtained from this type of device. Spectroscopes are widely used in astrophysics. For example, many hydrogen atoms emit a radio wave photon which has a wavelength of 21.12 cm. Also, frequencies of 30 Hz and below can be produced by and are important in the study of certain stellar nebulae and frequencies as high as 2.9×10^{27} Hz have been detected from astrophysical sources.©Wikipedia