

# ***THE AERO AERIAL***



The newsletter of the Aero Amateur Radio Club  
Middle River, Md  
Volume 6 Issue 12  
December 2009

Editor Frank Stone AC3P

## Officers

Joe Miko	WB3FMT	President	Repeater
Bob Venanzi	ND3D	Vice-President	VE Testing
Frank Stone	AC3P	Recording Secretary	Public Service
Pat Stone	AC3F	Corresponding Secretary	ECOMMS
Warren Hartman	W3JDF	Treasurer	Contests
Ken Lea	KB3JVP	Property Mgr	Trustee

## Committees

Phil Hock W3VRD
Pat Stone AC3F
Bob Landis WA3SWA
Joe Miko WB3FMT
Bob Venanzi ND3D
Frank Stone AC3P

## **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](http://www.aeroarc.us)

## Net Reports

2 Meter Net: No Net  
10 Meters: AC3P(NCS) W3VRD KA3SNY

### LOCAL AREA NETS

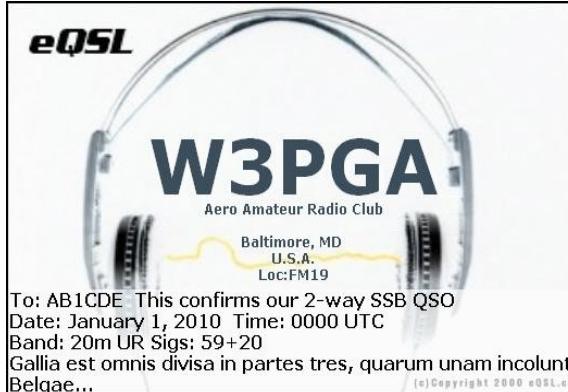
Day	Time	Frequency (MHz)	NET NAME
Daily	9 – 10 am	147.03	ORIOLE Net
Daily	6 – 6:30 pm	3.820	Maryland Emergency Phone Net
Daily	6:30 – 7 pm	146.670	Baltimore Traffic Net
Daily	7 pm and 10 pm	3.643	Maryland/DC/Delaware Traffic Net
1 <sup>st</sup> Tues	7:30 pm	145.330	Baltimore ARES Net
2 <sup>nd</sup> 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

### Station Activities

Congratulations to **WB3FMT** and XYL, Mary, on their 40<sup>th</sup>. **AI3G** has a new email address. Check the roster. Congrats to **KB3FII**, Amy, harmonic of AC3F and AC3P on passing the driving test. Everybody clear the road! **AC3P** is playing Elmer. **ND3D** is much sought after op during contest season. **W3VRD** is downsizing his station.

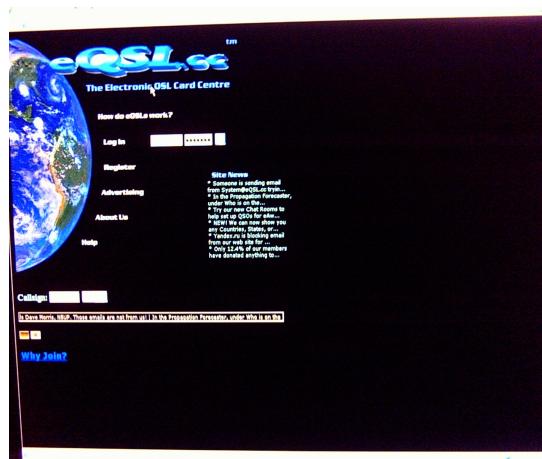
**QST QST QST....Dues are due the first meeting in January.....AR**

## What's E-QSL ? Part III

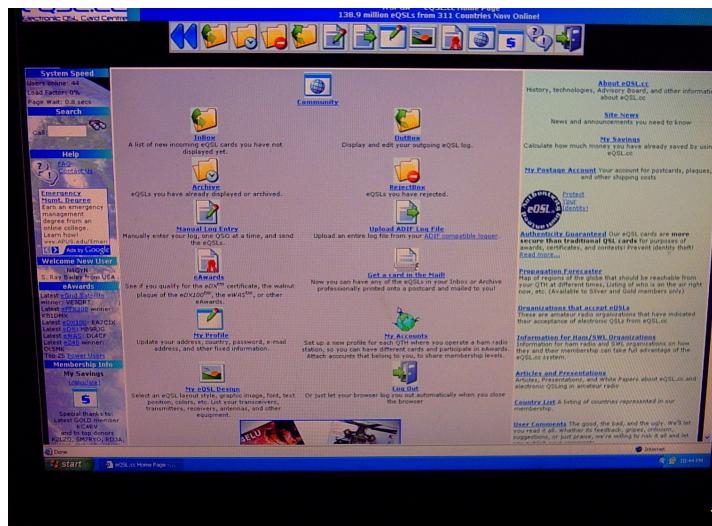


In last month's issue of *The Aero Aerial* we discussed choosing a QSL design. In this installment we will study, retrieving and responding to an E-QSL.

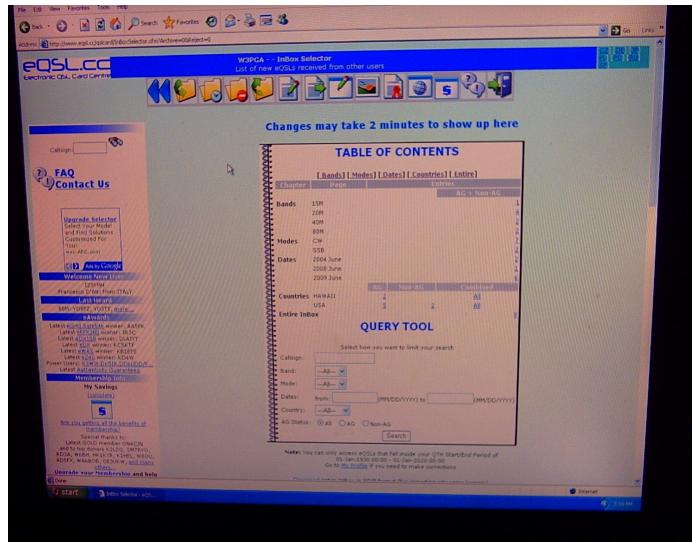
Again you start by logging onto the E-QSL Web-page with your callsign and password.



Once you are logged in you receive the following screen:

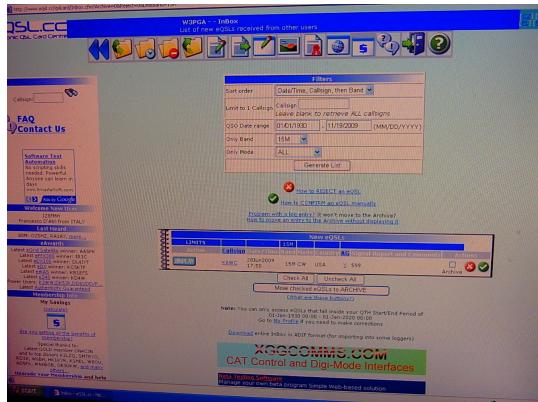


On this screen select *In Box*. Then you will go to the next screen.



This screen displays any incoming EQSLs listed by year or band.

Select how you want to list the incoming EQSLs and you will get another screen which lists the call signs and dates for the contacts.

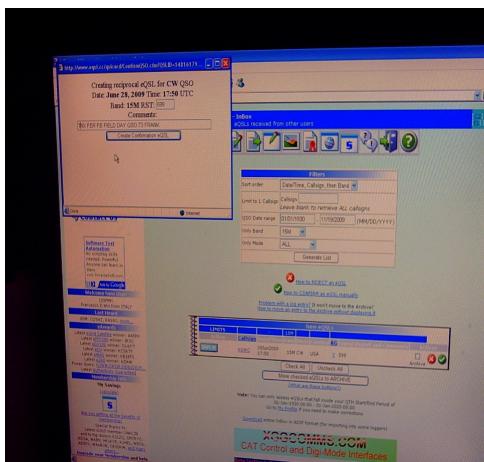


To see the incoming EQSL click on Display.

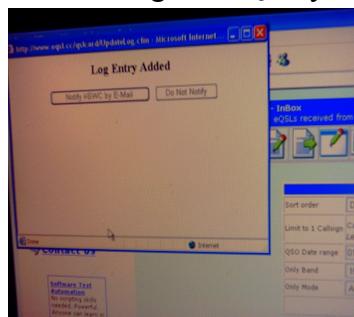
To Confirm and send an EQSL click on the GREEN Check symbol.

To Reject an EQSL click on the RED X symbol.

If you click on the Green Check, you will get a pop-up box to include a message on the EQSL.



After entering your message and confirming the EQSL you will get a confirmation screen



## *For Sale*

### CLASSIC YAESU STATION:

FT-101ZD Transceiver 160 – 10 Meters (including WARC) 100 Watts  
FV-101DM Digital Memory VFO  
FTV-901R Transverter (with Modules for 50, 144, 432 MHz)  
SP-901P Speaker/ Phone Patch  
YO-901 Multiscope  
FL-2100B Power Amplifier

Station is in working condition with connecting cables. Cosmetically 8 to 9 Will not sell items separately. Total Price \$1200

### YAESU STATION:

FT-707 Transceiver 80-10 Meters (WARC) solid state 100 Watts Price \$350  
FV-707 Digital VFO Price \$150  
FTV-707 Transverter with Modules for 50, 144, 432 MHZ Price \$300

Total package price: \$600

### YAESU VHF/UHF TRANSCEIVER

FT-726R 144 and 432 Modules Satellite Board Price \$400

### YAESU VHF TRANSCEIVERS

FT-690R 50 MHZ Transceiver 1.0 Watt SSB/CW/FM Price \$200  
FT-290R 144 MHZ Transceiver 2.5 Watts SSB/CW/FM Price \$200  
FT-790R 432 MHz Transceiver 2.5 Watts SSB/CW/FM Price \$200

Contact Phil Hock W3VRD at [bphock@comcast.net](mailto:bphock@comcast.net)

# From the Skies over Mt. Essex

## SKY Events for December 2009

December 2<sup>nd</sup> Full Moon aka “COLD Moon”

December 8<sup>th</sup> Last Quarter

December 14<sup>th</sup> Geminid Meteor shower, look SouthEast around 2 a.m. Look up about 82° above the horizon near the star Castor. Several dozen meteors per hour are expected.

December 16<sup>th</sup> New Moon

December 18<sup>th</sup> Planet Mercury reaches greatest elongation 20° East of the Sun.

December 21<sup>th</sup> Solstice 12:47 pm. Winter begins in Northern Hemisphere

December 24<sup>th</sup> First Quarter Moon

December 31<sup>th</sup> Full Moon A real “BLUE Moon”

### Planet Lookout

Mercury - In the West at Sunset.      Venus – Before dawn very low in the East.

Mars – Rises around 9:30 pm local      Jupiter- Due South before midnight.

Saturn- Rises just after midnight.

### BLUE Moon Event

This December we will have a **BLUE Moon** that is a second full Moon in one month. From Wikipedia:

The [Farmer's Almanac](#) defined *blue moon* as an extra full moon that occurred in a season; one season was normally three full moons. If a season had four full moons, then the third full moon was named a *blue moon*.

Recent popular usage defined a blue moon as the second full moon in a month, stemming from an interpretation error made in 1946 published by astronomy magazine “SKY and Telescope” that was discovered in 1999.

### FIRE from the SKY

The recent meteor showers the past months (Oct., Nov, and Dec.) can be heard on radio as well as seen in the sky. Radio signals will bounce off the meteor trails. To hear them all you need is an FM radio and tune to a station that is “over the horizon” about 100 miles away. This works on frequencies between 30 to 300 MHz. When listing to the over the horizon radio station you will hear “pings” and “flutter” from that station. This is caused by the ionized trail that the meteor makes when it burns up in the atmosphere. Most of the meteors that we see are the size of a grain of sand hitting the Earth upper atmosphere about 50 miles high and traveling between 26 to 44 miles per second.

## **AERO AMATEUR RADIO CLUB 20 DAYS AND 20 NIGHTS OF FUN**

**When:** 0000 UTC Monday 01 January 2010 (1900 EST Sunday 12/31)  
Until  
2359 UTC Saturday, 20 January 2010 (1859 EST Saturday 1/20)

**Who's Eligible:** All current AERO members.

**Location:** No contacts beyond 250 miles of your home QTH.

**Bands & Modes:** Work any legal mode and band allowed by your license class. However, no repeater, Echo Link nor IRLP contacts are permitted.

**Exchange:** Call, Name, and State

**Scoring:** Each contact will be worth the sum of all numerals in the main portion of the call sign worked. Do not add the portable designator to the sum.

Examples:	9Q1D	1 pt !!!
	WA3SWA	3 pts
	T17/K4XXX	4 pts
	K6XXX/3	6 pts
	4N7ZZ	7 pts
	V26R	8 pts
	L73X	10 pts
	S58D	13 pts
	J7ØJ	17 pts (each digit Ø counts 10 pts)
	4N5ØØZZ	25 pts !!!

<b>Bonus:</b>	Worked all numbers 0 thru 9	50 pts
	Worked all US time Zones	25 pts (4 continental time zones)
	Word in suffix of call (example ka3 <u>OUT</u> )	5 pts
	Worked all letters of the alphabet as the first letter of the suffix of the call	100 pts
	Examples: K3AAC, VE6BQW, LU7CHY, G3DDE	count for the letters A, B, C, and D respectively.

**Other Info:** The same station may be worked only once regardless of band or mode.  
Winner of this contest will run the contest next year.  
Exercise good operating practices at all times.

**Submissions:** For your use, an excel worksheet shell for your log sheet will be included with the December mailing of the Aero Club newsletter.

**Results:** E-mail log sheets to nd3d at arrl.net by January 27, 2010. Contest results will be reported at the February 3, 2010 meeting of the AERO Club!

***GOOD LUCK & HAVE FUN!***



December 2009

			Meeting Coffman's 7:30 pm		ARRL 160 Meter Contest	ARRL 160 Meter Contest EME Contest	
	1	2	3	4	5		
ARRL 160 Meter Contest EME Contest						ARRL 10 Meter Contest	
6	7	8	10 Meter Net 28.445 Mhz 8 pm	9	10	11	12
ARRL 10 Meter Contest			Meeting Coffman's 7:30 pm				
13	14	15	16	17	18	19	
			2 Meter Net 147.24 Mhz 8 pm				
20	21	22	23	24	25	26	
			70 cm Net 449.575 Mhz 8 pm				
27	28	29	30	31			

