THE AERO AERIAL

The newsletter of the Aero Amateur Radio Club

Volume 1 Issue 3

March 2004

Editor   Frank Stone AC3P

Officers

Al Alexander	K3ROJ	President
Bob Landis	WA3SWA	Vice-President
Joe Miko	WB3FMT	Recording Secretary
Pat Stone	AC3F	Corresponding Secretary
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VE Testing	Pat Stone	AC3F
Public Service	Frank Stone	AC3P
RACES/ARES	Joe Miko	WB3FMT
Tower Jack	Ron Distler	W3JEH

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 -)
W3JEH (223.24 MHz -)

LOCAL AREA NETS

Day	Time	Frequency (MHz)	NET NAME
Daily	9 – 10 am	147.03	ORIOLE Net
Daily	6 – 6:30 pm	3.920	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

ARRL's New Licensing Proposal

The American Radio Relay League's Board of Directors approved a new licensing plan to be proposed to the FCC. The plan was formulated as an attempt to bring the U.S. Amateur Radio licensing more in line with the proposals made at the World Radio Conference in 2003 which resulted in the dropping of the international requirement of Morse Code testing for access to the HF bands. The proposal also attempts to alleviate some of the problems with the last amateur radio restructuring in 2000.

In the new proposal, a new entry level Novice License would be re-instated with a 25 question written exams. The Technicians and Tech Plus licensees would be grandfathered to General. The Advanced licensees would be upgraded to Extra. The result would be three license classes, Novice General, and Extra with no orphaned classes.

With the streamlining of the classes would be changes in the testing structure. As stated above, the Novice test would consist of a 25 question written exam. The General would have a 35 question written exam. Extra applicants would have to take the 5 wpm Morse Code test with a 35 question written exam.

With this proposal all classes would have access to HF as well as VHF/UHF and microwave frequencies. Under the ARRL proposal the bands would be re-aligned as follows:

Proposed Phone/Image HF Subbands (Includes Novice Refarming Proposal)

80 Meters

       Extra: 3.725-4.000 MHz (gain of 25 kHz)
       General: 3.800-4.000 MHz (gain of 50 kHz)
       Novice: 3.900-4.000 MHz (new)

40 meters

       Extra: 7.125-7.300 MHz (gain of 25 kHz)
       General: 7.175-7.300 MHz (gain of 50 kHz)
       Novice: 7.200-7.300 MHz (new)

15 meters

       Extra: 21.200-21.450 MHz (no change)
       General: 21.275-21.450 MHz (gain of 25 kHz)
       Novice: 21.350-21.450 MHz (new)

10 meters

       Extra and General: 28.300-29.700 MHz (no change)
       Novice: 28.300-28.500 MHz (no change)

Proposed CW/Data-Exclusive HF Subbands (Includes Novice Refarming Proposal)

80 meters

Extra: 3.500-3.725 MHz
General: 3.525-3.725 MHz
Novice: 3.550-3.700 MHz

40 meters

Extra: 7.000-7.125 MHz
General: 7.025-7.125 MHz
Novice: 7.050-7.125 MHz

15 meters

Extra: 21.000-21.200 MHz
General: 21.025-21.200 MHz
Novice: 21.050-21.200 MHz

Watch for an FCC Notice of Proposed Rule Making to come out in the coming months for your chance to comment.

Source: www.arrl.org

Commonly Used Frequencies

By Joe Miko WB3FMT

Freq MHz	*Station*	*Comments*	*Location*	

2 Meter Frequencies

Freq MHz	Station	Comments	Location	
144.39		APRS	Nationwide Network	
145.05	K3UAV	Packet Node	Colora, Md	
145.12-	WA3DZZ		Baltimore, Md.	
145.27-	KE3BSA		Towson, Md.	
145.33-	K3HT	BTN Bkup	Baltimore, Md.	
145.61	WR3L	DX Cluster	Essex Md.	
146.67-	W3FT	BARC-BTN	Baltimore, Md.	Baltimore Traffic Net 6:30pm Daily
146.73-	W3SOG		Frederick, Md. - Wilmington, De.	
146.76-	WA3DZD		Jessup, Md. - Harrisburg, Pa.	
146.85-	WA3SFJ	107.2t	Havre de Grace, Md.	
146.88-	K3GXF		Washington, D.C.	
146.94-	K3ORG		Centerville, Md.	
147.00-	K3WX		Ashton, Md.	
147.105+	W3VPR	CRN - RACES	Davidsonville, Md.	
147.12+	N3CNJ		Whiteford, Md.	
147.24+	W3PGA	AERO ARC	Essex, Md.	2 Mtr Net 4th Wed 8 pm
146.49s		Simplex		
146.52s		Simplex		
146.55s		Simplex		
146.57s		Simplex		
147.51s		Simplex		
147.03+	WB3DZO	SKYWARN	Baltimore, Md. - BRATS	
145.12-	SKYWARN	Backup		
145.800s	ISS	Downlink	ISS/SPACE SHUTTLE	
144.79s	W3SSA	SSA ARC	SSA HQRS WOODLAWN, MD	
147.45+	WA3NAN	GSFC	SHUTTLE LAUNCH (AIR-GROUND)	
145.03s		Packet		
145.05s		Packet		
145.65s		Packet		

145.75s		Packet	BACO/RACES
146.07s	W3FT	BARC	i/p freq
147.84s	W3PGA	AREO ARC	i/p freq

Maryland County RACES Frequencies

146.805-	W3AAC	107.2t	ANAR Co RACES
145.410-	K3PZN	114.8t	CARR Co RACES
147.165+	W3COU	107.2t	CECI Co RACES
147.060+		123t	FRED Co RACES
146.775+			HARF Co RACES
147.135+	K3CUJ	156.7t	HOWA Co RACES
146.610-			PRGE Co RACES
147.090+	W3CWC		WASH Co RACES

70 cm Frequencies

449.575-	W3PGA		AERO ARC Essex, Md. 440 net 5th Wed 8pm
444.000-	WA3DZD	107.2t	Jessup, Md.
449.625-	W3FT	107.2t	Baltimore, Md.- BART
449.475-	K3CUJ	156.7t	Columbia ARC - WBFF tower
446.000s		440 Calling	
449.275-	KC0EKL	107.2t	Red Cross CMC - Mt. Hope
449.975-	KC0EKL	107.2t	Red Cross CMC - Mt. Hope

10 Meter Frequencies

29.600s	10 Calling		
28.445s	W3PGA	AERO ARC	10 Meter Net 2nd Wed 8pm.

6 Meter Frequencies

50.420s		RACES -1	BACO - Towson, Md
50.240s		RACES -2	BACO - Towson, Md.
52.525s		6mtr Calling	
53.090-			Hanover, Pa.
53.190-			Washington, D.C.
53.390-	K3GOD	100.0t	Rossville, Md.

NOAA Weather Frequencies

162.400	KEC83	WX RADIO	Pikesville, Md.
162.425	KXM43	WX RADIO	Frostburg, Md.
162.450	KZZ28	WX RADIO	Charlottesville, Va.
162.475	WXM42	WX RADIO	Hagerstown, MD. - Salisbury, Md KEC92
162.500	WXK97	WX RADIO	Sudlersville, Md.
162.525	WXM59	WX RADIO	State College, Pa.
162.550	KHB36	WX RADIO	Manassas, Va.

Local TV Frequencies

450.3375	WJZ	WJZ-TV Channel 13 - Audio feed
450.3875	WJZ	WJZ-TV - land mobile
450.0375	WBAL	WBAL-TV land mobile
450.1375	WBAL	WBAL-TV Cannel 11 – Audio feed
450.3125	WMAR	WMAR-TV Channel 2
450.5625	WBFF	WBFF-TV Channel 45-Audio Feed

Aircraft Frequencies

121.300	MTN TWR (06:00 - 22:00)
124.925	MTN ATIS/WX
121.800	MTN GND
119.400	BWI TWR
119.000	BWI North Approach (020-100)
124.550	BWI East Approach (101-130)
119.700	BWI South Approach (131-180)
128.700	BWI West Approach (181-019)
121.500	Aircraft Emergency Freq

Baltimore Fire Dept

46.46	Baltimore Co. Fire Dept

Station Activities

WB3FMT and AC3P covered Middle River Vol. Rescue (V52) during the March COMEX for Baltimore County RACES.

WB3FMT attended an ARES/RACES training class at Owings Mills.

AC3P conducted the Radio Merit Badge presentation for Troop 354 in Dandily.

WA3SWA took first place with 405 pts. in the AERO Jan. 2004 contest. Looks like Bob gets to organize next year's effort.

Aero Net Reports

Ten Meter Net - Check-ins : WB3FMT (NCS) W3VRD AC3P KC3EF

Repeater in Action

The AERO 2 meter repeater had several public service actions. It served as a back-up to the Baltimore Traffic Net with one piece of third party traffic being passed. Joe, WB3FMT, took a call from N3KYP to report a traffic accident at Northern Pky and Perring Pky to Baltimore City 911.

Coming Events

Feb. 21 -22   ARRL DX Contest (CW)
Feb. 25   AERO 2 meter Net
March 3   Aero Meeting Coffman's
March 6 -7   ARRL DX Contest (Phone)
March 7   Amateur Radio Exams BARC Owings Mills
March 10   Aero 10 meter net
March 14   Amateur Radio Exams AERO White Marsh
March 17   Aero Meeting Coffman's
March 24   Aero 2 meter net
March 27 -28 CQ WPX SSB Contest
                Baltimore Hamboree (BARC) Timonium
March 31   Aero 440 net 449.575 rptr

Contributions Appreciated

The Aero Aerial is always looking for material to put in this newsletter. If anyone has an article or news item that they could submit it will be appreciated.

Submissions can be e-mailed to Frank AC3P at ac3p21220@yahoo.net.

Rev 2/20/04 -147.03 repeater call sign & 911 assist call sign jmm