

THE AERO AERIAL

The newsletter of the Aero Amateur Radio Club



It's That Time Again!

Middle River, Md

Volume 11 Issue 5

May 2014

Editor Frank Stone AC3P

Officers

Joe Miko	WB3FMT	President
Bob Venanzi	ND3D	Vice-President
Lou Kordek	AB3QK	Recording Secretary
Frank Stone	AC3P	Corresponding Secretary
Warren Hartman	W3JDF	Treasurer
Ron Distler	W3JEH	Resource Coordinator

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Repeater	Phil Hock W3VRD
VE Testing	Pat Stone AC3F
Public Service	Bob Landis WA3SWA
Webmaster	Al Alexander K3ROJ
Trustee	Frank Stone AC3P
Club Nets	Joe Miko WB3FMT
Contests	Bob Venanzi ND3D

ABOUT THE AERO AMATEUR 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 (223.84 MHz -)

Website: <http://home.comcast.net/~frank-stone/Aero%20ARC/aero.htm>

LOCAL AREA NETS

Day	Time	Frequency (MHz)	NET NAME
Daily	9 – 10 am	147.33	ORIOLE Net
Daily	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
2 nd Tues	7:30 pm	146.670	Baltimore County <u>RACES</u> Net
2 nd Wed.	8 pm	28.445	AERO ARC Net
4 th Wed	8 pm	147.240	AERO ARC Net
5 th Wed.	8 pm	449.575	AERO ARC Net
When Activated by NOAA		146.67	SKYWARN

AERO NET REPORT

28.445 MHz: WB3FMT(NCS) W3JEH W3VRD AB3SD AC3P

147.24 MHz: WB3FMT(NCS) KB3JVP KC3ANJ KC3APF W3JEH AC3P KB3VAE KA3SNY W3VRD

50.24 MHz: WB3FMT(NCS) W3JEH AC3P KB3JVP KB3VAE KA3SNY KB3PGN
(Dark Side of the Moon Net)

Station Activities

Congrats to **KB3QAX**. **AB3QK**, **AC3F** and **AC3P** have a new mobile platforms. **W3JEH** has returned from an expedition to Florida. **WB3FMT** is back from a cheerful trip to Virginia Beach. **W3VRD** reports 10 meters is smoking. Congrats to new General **KB3ANJ**.

Bernie Ulrich K3CXC SK Update

Bernie's widow, Gerrie, has announced that his ashes will be interred during a brief service at Oak Lawn Cemetery in Essex at 1 p.m., Friday, May 16th. Club members are invited to attend.

Condolences

The club passes on our condolences to Dave Frederick, KB3KRV, and his mom on the passing of his grandmother.

Field Day 2014

The Essex Skypark Association has approved the Aero ARC's request to use their property for Field Day activities.

Moonbounce

The moonbounce project will be done at the QTH of Warren W3JDF. The weather is still not cooperating.

Open Cockpit Saturday

The Glenn L Martin Aviation Museum is looking for help to communicate between the museum at Martin State Airport and the static display at Strawberry Point. Open Cockpit Saturdays are the second Saturday of the month between 11 a.m. and 2 p.m. Contact Warren W3JDF to volunteer.

Using a Grid Dip Meter to Check Quartz Crystals *by Ron Distler W3JEH*



I have a large collection of Arc-5 transmitters (16) and they each have a quartz crystal that is used to calibrate the transmitter frequency. In a test setup in my shack the transmitters work well into a dummy load but I could not get an indication of the crystals working in order to adjust the transmit dial to be sure I was on frequency. I could hear the transmitters on a station receiver and I have a frequency counter, but it bugged me that none of the crystals would operate as they were designed.

So, I dusted off an old (1959) Eico grid dip meter and rigged up an inductance loop to couple the crystal to the input of the meter, hoping to find at least one crystal that worked.

I tested them all and none would give an indication of working. I looked into my junk box and found a crystal that I had purchased new (years ago) but never used. I felt it should work. But of course it did not and would not give an indication on the meter. I began to suspect the meter and/or the method of coupling.

At this point I needed the manual for the meter especially the circuit diagram. Two club members came through with help. WA3TAD sent me web site when I printed out a copy of the manual and ? who give me a copy of the manual at the next club meeting.

Having the schematic, I checked the plate voltage of the 6AF4 expecting to read 55 volts DC. It was zero. Working backwards to the oscillator/diode slide switch on the meter panel, I discovered the switch was not working. Close inspection indicated a micro crack in the switch wafer. When in the oscillator position the switch was to ground the power supply and thus provide voltage to the tube.

Luckily I had a slide switch in my junk box and replaced the switch and in the process discovered the switch wiring had been modified for some unknown reason. Thanks to having the schematic, I now had the meter working. With the proper coil plugged in I could get meter readings and the sensitivity control was working. The crystal that I had bought new some time ago but never used was now working. I got a dip reading on the meter and the meter dial and crystal frequency were in reasonable agreement.

I went back to the Arc 5 crystals and tried again. Still nothing. The Arc 5 crystals are hermetically sealed in a metal case that makes them look like an old metal tube with an octal socket base.

I just cannot accept that all those crystals are bad and am presently working on a better coupling loop for another try. At least now I am sure the dip meter is working.



Election 2014

May 21

Abentee Ballot

Vote for one for each office: Prez VP TR RS CS RM

NAME	CALL	OFFICE -Write in			
Alexander, Al	K3ROJ				
Carl Sr., Eric. R	KB3YJS				
Cimildora, Jerome F.	N3VBJ				
Distler, Ron	W3JEH				
Erisman, Ken	KB3QAX				
Ester, III, Charles T.	KC3ANJ				
Ester, Maura Kelly	KC3APF				
Falkenhan, Eric	WA3TAD				
Fredrick, Dave	KB3KRV				

Gill, George	KB3RLF				
Hartman, Warren	W3JDF				
Hock, Phil	W3VRD				
Hoerner, Richard	KB3VAE				
Kircher, John	W3JMI				
Kobylski, Tony	K3AK				
Kordek, Lou	AB3QK				
Landis, Bob	WA3SWA				
Lea, Ken	KB3JVP				
Lynch, Georgeann	KB3PGN				
Miko, Joe	WB3FMT				
Stone, Frank	AC3P				
Stone, Pat	AC3F				
Venanzi, Bob	ND3D				
Vleck, Dave	KA3SNY				
Whittaker, Charles	KB3EK				

From T-MARC

March 2014

Applications in Process:

AE4ML: Received on air notification of 224.9000 at Madison, Va. with change of CTCSS tone. Send modification to neighboring coordination group.

Sussex ARA: Received on air notification of 145.2500 at Selbyville, Del.
Sent Final Coordination

N3HXT: Received application for 2 meter pair in Winchester, Va.

Frederick Amateur Repeater Group: Received application for narrow-band 2 meter repeater at Frederick, Md. Sent Notice of Proposed Coordination to neighboring coordination groups

N3ST: Submitted application to modify location of 444.1000+ at Frederick, Md.
Sent Notice of Proposed Coordination to neighboring coordination groups.

Coordinations Withdrawn / Cancelled:

900 Link AMROS Port Penn, Del.

Other:

South East Repeater Assoc. Notice of Proposed Coordinations:

1: 440

T-MARC

The Mid-Atlantic Repeater Council

Aerial Archives

2004 - Operating Meteor Showers by WB3FMT

Armed Forces Day Crossband Frequencies

Hamboree Comments

2009 – 40 Meter Expansion

Membership Map

MS Bikers returning to Chestertown

VE Corner *by Pat Stone AC3F*

The VE Team returned to the White Marsh Library for a test session on Saturday, March 22nd. There were five applicants expected. Twelve showed up for a nearly SRO event. Every table in the room was occupied.

Congratulations to New Ham Techs: Matt Zinder **KC3CKK**, David Tate **KC3CKJ**, Adam Kirghas **KC3CKI**, Don Hobson **KC3CKH**, Steve DiGregorio **KC3CKG**, Calvin Peake **KC3CKF**, John Lamont **KC3CKE**, and Andrew Loncarich **KC3CKD**.

Congrats also to General upgrade: Phil Heller **KC3CAD**.

Kudos to Extra Upgrade: Kenny, Erisman **KB3QAX**.

A special congratulations to New Extra Ham John Jinno **AB3UE**, who completed the “hat trick” of passing all three elements in a single sitting.

Thanks to fellow Ves, AB3QK, KB3KRV, KB3EK and AC3P.

The next test session is at White Marsh, May 31st. Registration starts at 1 p.m.

2014 – 2015 Test Schedule

Place: White Marsh Library 8003 Sandpiper Cir.

Time: 1 p.m.

Dates: 9/27, 11/22, 1/24, 3/14, 5/23

From the Skies over Mt. Essex

SKY Events for May 2014

May 5th - Eta Aquarid meteor shower, approx . 45 per hour. The Moon is First Quarter. Alan Shepard first American in space in 1961.

May 7th - First Quarter Moon.

May 10th - Saturn is at opposition, 18.7" arc seconds in diameter and +0.8 magnitude.

May 11th - Mars is 3° N of the Moon. (10:00 EDT)

May 14th - Full Moon . "Bright Moon" for the Celtic and the "Full Flower Moon" Traditional Full Moon Names.

May 15th - Venus is 1.3° S of Uranus. (09:00 EDT).

May 21st - Last Quarter

May 24th - Possible Meteor Shower from Comet 209P/LINEAR

May 25th - Mercury at Greatest elongation 22.7° E.

May 28th - New Moon,

Planet Lookout at mid-Month

Sunrise 05:52 EDT and Sunset 20:12 EDT

Mercury in the Evening Sky low WNW, magnitude -0.4; 6.4 arc seconds

Venus - Low in the East at dawn, magnitude -4.0 and 15.5 arc seconds.

Mars- South at dusk, magnitude -0.9 and 13.3 arc seconds wide.

Jupiter West after dusk, magnitude -1.9 size 34 arc seconds.

Saturn Opposition, visible all night, magnitude +0.1 size 18.7 arc seconds.

Uranus Rises about 2:30 EDT, magnitude +5.9, size 3.4 arc seconds.

Neptune Morning sky, magnitude +7.9, size 2.4 arc seconds.

Saturday's Planet

Saturn is the 6th planet from the Sun. It has been observed since prehistoric times. The ancient Romans named this planet after their god of agriculture and is equivalent to the Greek god Cronus which is the god of harvest. It is also where Saturday's name came from. This planet was first observed by a telescope used by Galileo in 1610 A.D. Galileo saw the rings but could not discern them.

In 1655 Christiaan Huygens, using an improved telescope at 50x was able to see the ring system and proposed that Saturn was surrounded by a solid ring, he also discovered the moon Titan. The ring systems tilt a maximum of 27° and were edge on in 2009 and will be their widest on 2017. This year at the May 10th opposition they will be 22° wide.

Small telescopes can see the 8th magnitude Titan but a 4" is needed to see Tethys, Dione, Rhea which are 10th magnitude, Titan is 3,200mi while Earth's Moon is 2,160 mi.

Saturn is located about 891 million miles from the Sun that's 1hr and 19 min at speed of light. The planet is one of the 4 gas giants' planets (Jupiter, Saturn, Uranus and Neptune) and because of that lacks a definable surface but may have some kind of a solid core. With a diameter of 74,900 miles it 9.4 times larger than Earth. The planet orbits in the Sun in 29.42 years and rotates in 10 hrs and 34 mins.

Saturn is the second planet with a ring system, although it's the best. All of the gas giant planets have rings systems. Along with Saturn's 7 major rings it also has at least 62 moons. The surface temperature is -288°F. The atmosphere consist of 96° Hydrogen , 3° Helium, .4° methane, 01° ammonia.

Just a note, Saturn's density is less than water, therefore in a big enough tub of water the planet would float. And for weight watchers a 100 lb. person would only weigh 74 lb. on Saturn.

ANNUAL ARMED FORCES DAY CROSSBAND MILITARY/AMATEUR RADIO COMMUNICATIONS TEST (10 MAY 2014)

The Army, Air Force, Navy, Marine Corps, and Coast Guard are co-sponsoring the annual military/amateur radio communications tests in celebration of the 64th Anniversary of Armed Forces Day (AFD). Although the actual Armed Forces Day is celebrated on Saturday, May 17, 2014, the AFD Military/Amateur Crossband Communications Test will be conducted 10 May 2014 to prevent conflict with the Dayton Hamvention (16-18 May 2014), which is the same weekend as the actual Armed Forces Day.

The annual celebration features traditional military to amateur cross band communications SSB voice and Morse Code tests. These tests give Amateur Radio operators and Short Wave Listeners (SWL) an opportunity to demonstrate their individual technical skills, and to receive recognition from the appropriate military radio station for their proven expertise. QSL cards will be provided to those stations making contact with the military stations.

PART I. MILITARY-TO-AMATEUR CROSS BAND SSB & CW TEST CONTACTS.

Military-to-Amateur cross band operations will take place on the dates/times in ZULU (UTC), and frequencies listed below for each station. Voice contacts will include operations in single sideband voice (SSB). Some stations may not operate the entire period, depending on propagation and manning. Participating military stations will transmit on selected Military MARS frequencies and listen for amateur radio stations in the Amateur bands indicated below. The military station operator will announce the specific amateur band frequency being monitored. Duration of each voice contact should be limited to 1-2 minutes. The following stations will be transmitting on MARS frequencies listed below which are provided as "Window/Dial Frequency" in kHz. Some stations will use CW to provide the opportunity to check in by Morse Code.

ARMY STATIONS:

STATION: AAZ (10 MAY 1500Z - 2400Z)

FREQUENCY EMISSION AMATEUR BAND

4036.0 KHZ USB 80M

6910.0 KHZ USB 40M

14512.5 KHZ USB 20M

18211.0 KHZ USB 17M

LOCATION: FORT HUACHUCA, AZ

ADDRESS:

COMMANDER NETCOM/9TH SC (ARMY)

ATTN: NETC-ATD (MARS STATION)

BLDG 90549 JIM AVENUE

FT. HUACHUCA, AZ 85613-7070

POC: JUANITA PORTZ

DSN: 821-7072

COMMERCIAL: (520) 533-7072

STATION: AAC (10 MAY 1300Z - 11 MAY 0100Z)

FREQUENCY EMISSION AMATEUR BAND

4012.0 KHZ USB 80M

7360.0 KHZ USB 40M

13963.5 KHZ USB 20M

20.920.0 KHZ USB 15M

LOCATION: LEXINGTON, KY

ADDRESS:

HQ 3RD BDE, 95TH DIV (IT) MARS STATION

BARROW ARMY RESERVE TRAINING CENTER

1051 RUSSELL CAVE PIKE

LEXINGTON, KY 40505

POC: BARRY JACKSON, AAR4BZ

COMMERCIAL: (859) 227-0137

STATION: ABH (10 MAY 1600Z - 2300Z)

FREQUENCY EMISSION AMATEUR BAND

3347.0 KHZ USB 80M

4789.5 KHZ USB 80M

7357.0 KHZ USB 40M

7772.5 KHZ USB 40M

14438.5 KHZ USB 20M

17592.5 KHZ USB 17M

20976.0 KHZ USB 15M

LOCATION: SCHOFIELD BARRACKS, HI

COMMANDER, 396TH SIGNAL COMPANY

30TH SIGNAL BATTALION, 96857

POC: SGT RICHARDS

COMMERCIAL: (808) 655-0727

STATION: ADB (10 MAY 2200Z – 11 MAY 0100Z)

FREQUENCY EMISSION AMATEUR BAND

14487.0 KHZ USB 20M

20994.0 KHZ USB 15M

LOCATION: CAMP FOSTER, OKINAWA (BLDG 462)

MAILING ADDRESS:

ATTN: NETC-SPS (OKINAWA ARMY MARS/HF STATION)

TCO/MARS-HF OFFICE

TORII STATION BOX 4

APO, AP 96376

POC MR. KOJI SHIMABUKURO

STATION TELEPHONE:

COMMERCIAL: 011-81-98-970-7603 OR 2707

DSN: 315-645-7603 OR 2707

STATION: WAR (10 MAY 1200Z - 2400Z)

FREQUENCY EMISSION AMATEUR BAND

4000.0 KHZ USB/CW 80M

7882.5 KHZ USB/CW 40M

14663.5 KHZ USB/CW 20M

24670.0 KHZ USB/CW 12M

LOCATION: PENTAGON, WASHINGTON, DC

ADDRESS:

PENTAGON MARS STATION

ATTN: AFDCBT

PO BOX 2322

ARLINGTON VA 22202

POC MR. GARY SESSUMS

STATION TELEPHONE:

COMMERCIAL: (703) 693-8423 DSN 223-8423

STATION: WUG-23 (10 MAY 1300Z - 11 MAY 0200Z)

FREQUENCY EMISSION AMATEUR BAND

4030.0 KHZ USB 80M

7421.0 KHZ USB 40M

6823.0 KHZ USB/CW 40M

14876.0 KHZ USB 20M

14663.5 KHZ USB/CW 20M

20973.5 KHZ USB/CW 15M

LOCATION: US ARMY CORPS OF ENGINEERS WYNNE AREA OFFICE

WYNNE, ARKANSAS

ADDRESS:

USACE MEMPHIS DISTRICT OFFICE

ATTN: JIM POGUE

PUBLIC AFFAIRS OFFICE ROOM B-202

167 N. MAIN ST.

MEMPHIS, TN 38103-1894

POC: MR. JIM POGUE

COMMERCIAL: (901) 544-4109 CELL: (901) 828-0152

AIR FORCE STATIONS:

STATION: AIR (10 MAY 1200Z - 2400Z)

FREQUENCY EMISSION AMATEUR BAND

4517.0 KHZ USB 80M

7305.0 KHZ USB 40M

15807.0 KHZ USB 20M

20740.0 KHZ USB 15M

LOCATION: JOINT BASE ANDREWS NAVAL AIR FACILITY WASHINGTON

ADDRESS:

89 COMMUNICATIONS SQUADRON

JOINT BASE ANDREWS, MD 20762

POC: MR. BOB MISKIN

STATION TELEPHONE:

COMMERCIAL: 301-981-3109 DSN: 858-3109

STATION: AGA2SY (10 MAY 1200Z TO 2400Z)

FREQUENCY EMISSION AMATEUR BAND

4575.0 KHZ USB 80M

7540.0 KHZ USB 40M

13993.0 KHZ USB 20M

LOCATION: HANCOCK FIELD AIR NATIONAL GUARD BASE

ADDRESS:

174 FIGHTER WING

6001 E. MOLLOY RD.

SYRACUSE, NEW YORK 13211

POC: MR. MIKE CARL

STATION TELEPHONE:

COMMERCIAL: (315) 233-2213 DSN: 243-2213

STATION: AGA4AR (10 MAY 1500Z TO 2000Z)

FREQUENCY EMISSION AMATEUR BAND

3299.0 KHZ USB 80M

7457.0 KHZ USB 40M

15632.0 KHZ USB 20M

LOCATION: ARNOLD AIR FORCE BASE

ADDRESS:

100 KINDEL DRIVE

A101B / AF MARS

ARNOLD AFB, TENNESSEE 37389

POC: MR. MICHAEL GLENNON

STATION TELEPHONE:

COMMERCIAL: (931) 454-5944 DSN: 340-5944

STATION: AGA5SC (10 MAY 1600Z TO 2300Z)

FREQUENCY EMISSION AMATEUR BAND

3308.0 KHZ USB 80M

4872.0 KHZ USB 80M

7545.0 KHZ USB 40M

LOCATION: SCOTT AIR FORCE BASE

ADDRESS:

203 WEST LOSEY STREET

SCOTT AFB, ILLINOIS 62225

POC: MR. DAVID ANTRY

STATION TELEPHONE:

COMMERCIAL: 618-229-8553 DSN: 779-8553

STATION: AGA9TR (10 MAY 1200Z TO 2400Z)

FREQUENCY EMISSION AMATEUR BAND

3228.0 KHZ USB 80M

7915.0 KHZ USB 40M

14411.0 KHZ USB 20M

LOCATION: TRAVIS AIR FORCE BASE

ADDRESS:

23RD COMBAT COMMUNICATIONS SQUADRON

550 AIRLIFT DRIVE

TRAVIS AFB, CALIFORNIA 94535

POC: MR. STEPHAN SILEN

STATION TELEPHONE:

COMMERCIAL: (707) 424-8874 DSN: 837-8874

NAVY/MARINE CORPS STATIONS:

STATION: NBL (10 MAY 1200Z - 11 MAY 0400Z)

NAVMARCORMARS RADIO STATION, GROTON, CT

FREQUENCY EMISSION AMATEUR BAND

4041.5 KHZ LSB 80M

7371.5 KHZ LSB 40M

14391.5 KHZ USB 20M

20623.5 KHZ USB 15M

POC AND ADDRESS: ROBERT VETH, DIRECTOR REGION ONE

4 LANTERN LANE, CHELMSFORD MA 01824-1316

COMMERCIAL: (978) 256-5264

STATION: NMC1 (10 MAY 1400Z - 11 MAY 0030Z)

USCG COAST GUARD ISLAND, ALAMEDA, CA

FREQUENCY EMISSION AMATEUR BAND

7542.0 KHZ LSB 40M

15740.5 KHZ USB 20M

22924.5 KHZ USB 15M

POC AND ADDRESS: ATTN: MR. ERIC SIMMONS

USCG DISTRICT ELEVEN (DT), COAST GUARD ISLAND,

BLDG 50-7 ALAMEDA, CA 94501-5100

COMMERCIAL: (510) 637-5486

STATION: NMN (10 MAY 1400Z - 11 MAY 0030Z)

US COAST GUARD CAMSLANT, PORTSOMUTH VA

FREQUENCY EMISSION AMATEUR BAND

7528.6 KHZ LSB 40M

14459.5 KHZ USB 20M

19221.5 KHZ USB 17M

POC AND ADDRESS: ATTN: OS3 CATTELL

COMMANDING OFFICER, USCG CAMSLANT

4720 DOUGLAS A. MUNRO ROAD, CHESAPEAKE, VA 23322

STATION: NNN0ASF (10 MAY 1200Z - 11 MAY 0400Z)

NAVMARCORMARS RADIO STATION, NNN0ASF

FREQUENCY EMISSION AMATEUR BAND

4014.0 KHZ LSB 80M

7394.5 KHZ LSB 40M 1200-2359Z, 0200-0400Z

7394.5 KHZ PSK31 40M 0000-0200Z

13974.0 KHZ USB 20M 1200-1800Z, 2000-0400Z

13974.0 KHZ PSK31 20M 1800-2000Z

20997.0 KHZ USB 15M

POC AND ADDRESS: NAVMARCORMARS RADIO STATION NNN0ASF

KEN KNOX, 109 W ELIJAH ST, EASTON MO 64443

COMMERCIAL: (913) 683-0756 or (913) 682-0294

STATION: NNN0CQQ (10 MAY 1500Z - 11 MAY 0400Z)

EX-USS MIDWAY MUSEUM SHIP MARS STATION

FREQUENCY EMISSION AMATEUR BAND

4003.0 KHZ LSB 80M

7351.5 KHZ LSB 40M

14463.5 KHZ USB 20M

20936.0 KHZ USB 15M

POC AND ADDRESS: JOSE GARZA, NNN0XBQ

9789 PASEO MONTRIL, SAN DIEGO CA 92129-3910

COMMERCIAL: (858) 484-0469 CELL: (858) 254-0175

STATION: NPD(10 MAY 1200Z - 11 MAY 0400Z)

NAVMARCORMARS RADIO STATION, NSA MILLINGTON TN

FREQUENCY EMISSION AMATEUR BAND

4456.5 KHZ LSB 80M

7476.5 KHZ LSB 40M

14483.5 KHZ USB 20M

20578.5 KHZ USB 15M

POC AND ADDRESS: A. H. HILLIARD, W4GMM

4237 BACON ST, MEMPHIS, TN 38128

STATION: NRV (10 MAY 0700Z - 11 MAY 0400Z)

USCG SECTOR GUAM

FREQUENCY EMISSION AMATEUR BAND

14459.6 KHZ USB 20M

20881.1 KHZ USB 15M

23072.6 KHZ USB 15M/12M

POC AND ADDRESS: USCG SECTOR GUAM

ATTN: CDR BRENDEN KETTNER

US NAVAL ACTIVITIES VICTOR PIER

SANTA RITA, GU 96915-0001

COMMERCIAL: 671-355-4800

STATION: NUW (10 MAY 1500Z - 11 MAY 0400Z)

NAVMARCORMARS RADIO STATION, NAS WHIDBEY ISLAND, WA

FREQUENCY EMISSION AMATEUR BAND

4044.0 KHZ LSB 80M

7381.5 KHZ LSB 40M

13528.5 KHZ USB 20M

20952.5 KHZ USB 15M

POC AND ADDRESS: NAVMARCORMARS RADIO STATION NUW

MR. DIGGER O'DELL

260 W. PIONEER FSC BLDG.

NAS WHIDBEY ISLAND, WA 98277

COMMERCIAL: (360) 675-2823 DSN: 820-8038

STATION: NWKJ (10 MAY 1200Z - 11 MAY 0400Z)

FREQUENCY EMISSION AMATEUR BAND

4010.0 KHZ LSB 80M

7348.0 KHZ LSB 40M

14467.0 KHZ USB 20M

21758.5 KHZ USB 15M

ADDRESS: EX-USS YORKTOWN (CV-10)

PATRIOTS POINT MARITIME MUSEUM, SC

C/O EDDIE JENNINGS/NNN0GBS

5172 STABLEGATE LANE, HOLLYWOOD, SC 29449

COMMERCIAL: (843) 766-8888

STATION: NWVC (10 MAY 1200Z - 11 MAY 0400Z)

FREQUENCY EMISSION AMATEUR BAND

3393.0 KHZ LSB/CW 80M

7438.0 KHZ LSB/CW 40M

13826.0 KHZ USB/CW 20M

20678.5 KHZ USB/CW 15M

ADDRESS: USS LST 325

840 LST DRIVE, EVANSVILLE, IN 47713

POC: PERRY BALLINGER, NNN0VNO

COMMERCIAL: 330-932-8612/330-705-8449

PART II. SECRETARY OF DEFENSE MESSAGE TEST VIA DIGITAL MODES.

The secretary of defense message will be transmitted via digital modes including RTTY, PACTOR, AMTOR, PSK-31, MFSK

and MT63 from the stations listed below, including frequencies, mode, and date/time in zulu (utc). All frequencies are listed “window/dial frequency“ sound cards modes will use standard factory settings (NOTE: not all stations may necessarily operate on all the frequencies listed, depending on propagation and available equipment.)

ARMY BROADCAST STATIONS:

STATION: AAZ

(HQ ARMY MARS AND WESTERN AREA GATEWAY, FORT HUACHUCA, AZ)

FREQUENCY EMISSION MODE BROADCAST DATE/TIME

6910.0 KHZ USB RTTY 11 MAY/0110Z 850HZ 75BD

MS 188-110 11 MAY/0120Z MIL STD 188-110 SERIAL PSK

14512.5 KHZ USB RTTY 11 MAY/0130Z 850HZ 75BD

MS 188-110 11 MAY/0140Z MIL STD 188-110 SERIAL PSK

STATION: WAR

(PENTAGON MARS STATION, WASHINGTON, DC)

FREQUENCY EMISSION MODE BROADCAST DATE/TIME

7882.5 KHZ USB PSK31 10 MAY/1700Z

PSK31 10 MAY/2300Z

MT63 10 MAY/1715Z

MT63 10 MAY/2315Z

14438.5 KHZ USB PACTOR 10 MAY/1730Z

RTTY 10 MAY/1745Z

4000.0 KHZ USB PACTOR 10 MAY/2330Z

RTTY 10 MAY/2345Z

STATION: AAC

FREQUENCY EMISSION MODE BROADCAST DATE/TIME

4012.0 KHZ USB MT63 11 MAY/0030Z

7360.0 KHZ USB RTTY 11 MAY/0100Z

NAVY/MARINE CORPS BROADCAST STATIONS:

STATION: NBL

(NAVMARCORMARS RADIO STATION, GROTON CT)

FREQUENCY MODE BROADCAST DATE/TIME

7370.0 KHZ RTTY 10 MAY/2340Z

AMTOR FEC 11 MAY/0010Z

MT63 11 MAY/0040Z

14393.0 KHZ RTTY 10 MAY/2340Z

AMTOR FEC 11 MAY/0010Z

MT63 11 MAY/0040Z

STATION: NNN0ASF

(NAVMARCORMARS RADIO STATION, EASTON, MO)

FREQUENCY MODE BROADCAST DATE/TIME

7393.0 KHZ RTTY 10 MAY/2340Z

AMTOR FEC 11 MAY/0010Z

MT63 11 MAY/0040Z

13975.5 KHZ RTTY 10 MAY/2340Z

AMTOR FEC 11 MAY/0010Z

MT63 11 MAY/0040Z

STATION: NNN0CQQ

(EX-USS MIDWAY MUSEUM SHIP, SAN DIEGO CA)

FREQUENCY MODE BROADCAST DATE/TIME

7350.0 KHZ RTTY 11 MAY/0240Z

AMTOR FEC 11 MAY/0310Z

MT63 11 MAY/0340Z

14465.0 KHZ RTTY 11 MAY/0240Z

AMTOR FEC 11 MAY/0310Z

MT63 11 MAY/0340Z

STATION: NUW

(NAVMARCORMARS RADIO STATION, NAS WHIDBEY ISLAND WA)

FREQUENCY MODE BROADCAST DATE/TIME

7380.0 KHZ RTTY 11 MAY/0240Z

AMTOR FEC 11 MAY/0310Z

MT63 11 MAY/0340Z

13530.0 KHZ RTTY 11 MAY/0240Z

AMTOR FEC 11 MAY/0310Z

MT63 11 MAY/0340Z

STATION: NWKJ

(EX-USS YORKTOWN, PATRIOTS POINT MARITIME MUSEUM SC)

FREQUENCY MODE BROADCAST DATE/TIME

7346.5 KHZ RTTY 11 MAY/0240Z

AMTOR FEC 11 MAY/0310Z

MT63 11 MAY/0340Z

14468.5 KHZ RTTY 11 MAY/0240Z

AMTOR FEC 11 MAY/0310Z

MT63 11 MAY/0340Z

STATION: NWVC

(USS LST 325)

FREQUENCY MODE BROADCAST DATE/TIME

3391.5 KHZ CW-25WPM 11 MAY/0300Z

7436.5 KHZ CW-25WPM 11 MAY/0300Z

AIR FORCE BROADCAST STATIONS

STATION: AGA2SY

(HANCOCK FIELD AIR NATIONAL GUARD BASE, NEW YORK)

FREQUENCY MODE BROADCAST DATE/TIME

7540.0 KHZ RTTY 10 MAY/1930Z

MT63 10 MAY/2030Z

MFSK 10 MAY/2100Z

13993.0 KHZ RTTY 10 MAY/2130Z

MT63 10 MAY/2230Z

MFSK 10 MAY/2300Z

STATION: AGA5SC

(SCOTT AIR FORCE BASE, ILLINOIS)

FREQUENCY MODE BROADCAST DATE/TIME

7545.0 KHZ RTTY 10 MAY/1930Z

MT63 10 MAY/2030Z

MFSK 10 MAY/2100Z

14392.5 KHZ RTTY 10 MAY/2130Z

MT63 10 MAY/2230Z

MFSK 10 MAY/2300Z

STATION: AGA9TR

(TRAVIS AIR FORCE BASE, CALIFORNIA)

FREQUENCY MODE BROADCAST DATE/TIME

7915.0 KHZ RTTY 10 MAY/1930Z

MT63 10 MAY/2030Z

MFSK 10 MAY/2100Z

14411.0 KHZ RTTY 10 MAY/2130Z

MT63 10 MAY/2230Z

MFSK 10 MAY/2300Z

STATION: AGA4AR

(ARNOLD AIR FORCE BASE, TENNESSEE)

FREQUENCY MODE BROADCAST DATE/TIME

7457.0 KHZ RTTY 10 MAY/1930Z

MT63 10 MAY/2030Z

MFSK 10 MAY/2100Z

15632.0 KHZ RTTY 10 MAY/2130Z

MT63 10 MAY/2230Z

MFSK 10 MAY/2300Z

SUBMISSION OF SECRETARY OF DEFENSE TEST MESSAGE ENTRIES.

Transcripts of the RTTY, PACTOR, AMTOR, PSK-31, MFSK and MT63 receiving test should be submitted "as received". No attempt should be made to correct possible transmission errors. Provide time, frequency and call sign of the military station copied, including name, call sign, and address (including zip code) of individual submitting the entry. Ensure this information is placed on the paper containing the test message. Each year a large number of acceptable entries are received with insufficient information, or necessary information was not attached to the transcriptions and was separated, thereby precluding issuance of a certificate. Entries must be sent to the appropriate military address as follows:

A. STATIONS COPYING SECRETARY OF DEFENSE MESSAGE TRANSMITTED FROM AAZ, WAR OR AAC SEND ENTRIES TO:

ARMED FORCES DAY CELEBRATION

COMMANDER NETCOM

ATTN: NETC-ATD (MARS STATION)

BLDG 90549 JIM AVENUE

FORT HUACHUCA, AZ 85613-7070

B. STATIONS COPYING SECRETARY OF DEFENSE MESSAGE TRANSMITTED FROM NBL, NNN0ASF, NNN0CQQ, NUW, NWKJ OR NWVC SEND ENTRIES TO:

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CHIEF, NAVY-MARINE CORPS MARS

CHEATHAM ANNEX BLDG 117

108 SANDA AVE

WILLIAMSBURG, VA 23185-5830

C. STATIONS COPYING SECRETARY OF DEFENSE MESSAGE TRANSMITTED FROM AGA2SY, AGA5SC, AGA9TR OR AFA4AR SEND ENTRIES TO:

ARMED FORCES DAY CELEBRATION

38 CYRS/CHIEF, AF MARS

203W LOSEY ST, RM 1200

SCOTT AFB, IL 62225

