



ARES COMMUNICATOR

Information for Scott County Amateurs



May, 2012

Accurate, Reliable Emergency Communications

Volume 12, Number 5

Mpls Marathon Calls for Volunteers

The call has gone out for ham radio operators to provide communications support for the 2012 Minneapolis Marathon.

Minneapolis Marathon race day is Sunday, June 3, 2012.

The Minneapolis Marathon is a beautiful urban race. It starts and finishes in downtown Minneapolis with the middle portion of the race going along the beautiful, tree-lined Mississippi River. The Marathon route even takes runners into historic Fort Snelling.



If you are interested, send the following information to Dave Johnson, N0KBD, at n0kbd1@gmail.com Please provide Dave with the following the information in your email:

1. Your ham radio callsign.
2. Type of radio. We are particularly interested in dual band handhelds, but any portable radio will do.
3. Do you have any requests such as location, someone you want to work with, etc? I will do all I can to ensure your request.
4. Cellphone number

Let Dave know as soon as possible so that communications plans can be finalized for the event. You can find more information about the race at the Team Ortho website: www.teamortho.us

BREAK - OVER

Field Day 2012

June 23 - 24

The Field Day 2012 emergency communications exercise will take place on June 23rd – 24th. All amateur radio operators in and near Scott County are welcome to join the fun!

Scott ARES volunteers have reserved the park shelter at Canterbury City Park, 13400 Inglewood Ave. in Savage.

The goal of the exercise is to contact as many other portable emergency stations as possible within the 24 hours of the exercise. Scott ARES members will be developing their plan for the exercise during their monthly breakfast on the first Saturday of each month.



Join the group for good food and discussion at the Perkins restaurant in Savage starting around 7:30 am. Updates on the planning will be available on the weekly training net on Monday evening at 7:00 pm on 146.535 simplex. Check in and contribute your two cents worth! The Field Day exercise is sponsored by The American Radio Relay League (ARRL), the national organizations for Amateur Radio, has been an annual event since 1933.

BREAK - OVER

ARES Activities

Weekly Net Monday 7 PM 146.535 mhz (s)

Breakfast Saturday, May 12th

Digital Monday, May 14th

ARES Nets

MN ARES Phone Net	6:00PM Sunday	Freq: 3.568 mhz
ARRL MN Phone Net	12:00p, 4:30p CST Daily	Freq: 3.568 mhz
ARRL MN CW Net	6:30p, 9:50p CST Daily	Freq: 3.568 mhz

NETS WITH OUR NEIGHBORS

North Dakota:	Daily 3.937 mhz	6:30pm
South Dakota:	Daily 3.870 mhz	6:00pm
Wisconsin:	Daily 3.985 mhz	5:30pm
Iowa:	Daily 3.970 mhz	12:30/5:30pm

The ARES COMMUNICATOR is published for the benefit of Amateur Radio Operators in Scott County and other interested individuals.

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Reader submissions encouraged!

Test Your NIMS Knowledge

This month we will review some of the points from the course ICS-200b: ICS for Single Resources and Initial Action Incidents. Check your recall of the course material with these questions.

1. Select the TRUE statement:
 - A. Informal communication is prohibited within the Incident Command System
 - B. Formal communication requires the use of written reports to document all interactions
 - C. Formal communication is used in reporting progress of assigned tasks
 - D. Informal communication is the preferred method for communicating resource needs
2. The Medical Unit is responsible for the development of the Medical Plan, obtaining medical aid, and:
 - A. Transportation for injured and ill incident personnel
 - B. Coordination with public health service to determine where critical resources are deployed
 - C. Provision of emergency services to injured victims at the accident scene
 - D. Authorization prior to purchases of any medical supplies and services

Check next month's ARES Communicator for the solution

Scott County ARES Contacts

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SKYWARN Spotter Picnic

Howard Lund, Metro SKYWARN

Metro Skywarn is excited to provide an appreciation picnic for Metro Skywarn spotters. The picnic will be held on Sunday May 6th, 2012 at the NWS in Chanhasseen from 11-3pm. If you are able to attend, please send a RSVP email to:

howard.lund@rcemhs.com

Please include the number of people attending in your group. Folks would be encouraged to bring a dish to share, but it is not required.

MetroSkywarn will provide hot dogs, buns, plates, forks and punch. Any questions can be sent to Howard Lund the above email as well.

Hope to see as many spotters as possible at the picnic.

BREAK - OVER



April NIMS Knowledge Solution

1. An individual assuming the role of the Deputy Incident Commander must:
 - (d) Be equally capable of assuming the Incident Commander role
2. Who is responsible for determining the appropriate tactics for an incident?
 - (b) The Operations Section

Armed Forces Day 2012

Cross-Band Exercise May 12th

The Army, Air Force, Navy, Marine Corps, and Coast Guard are co-sponsoring the annual military/amateur radio communications tests in celebration of the 63rd anniversary of Armed Forces Day (AFD). Although the actual Armed Forces Day is celebrated on Saturday, May 19, 2012, the AFD military/amateur crossband communications test will be conducted 12 May 2011 to prevent conflict with the Dayton Hamvention (18-20 May 2012), 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.

Military-to-amateur cross band SSB and CW test contacts. Military-to-amateur cross band operations will take place on the dates/times in zulu (UTC), and frequencies listed 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. 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 MAR frequencies listed, which are provided as 'window/dial frequency' in KHz. Some stations will use CW to provide the opportunity to check in by morse code.

Secretary of Defense message via Digital Modes The Secretary of Defense message will be transmitted via digital modes to including RTTY, PACTOR, AMTOR, PSK-31, MFSK, and MT63. All frequencies listed for this message are listed "Window/Dial Frequency." Sound card modes will use standard factory settings (NOTE: Not all stations may necessarily operate on all the frequency listed, depending on propagation and available equipment.)

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, and include the name, callsign, and address (including zip code) of the individual submitting the entry. Ensure this information is placed on paper containing the test message.

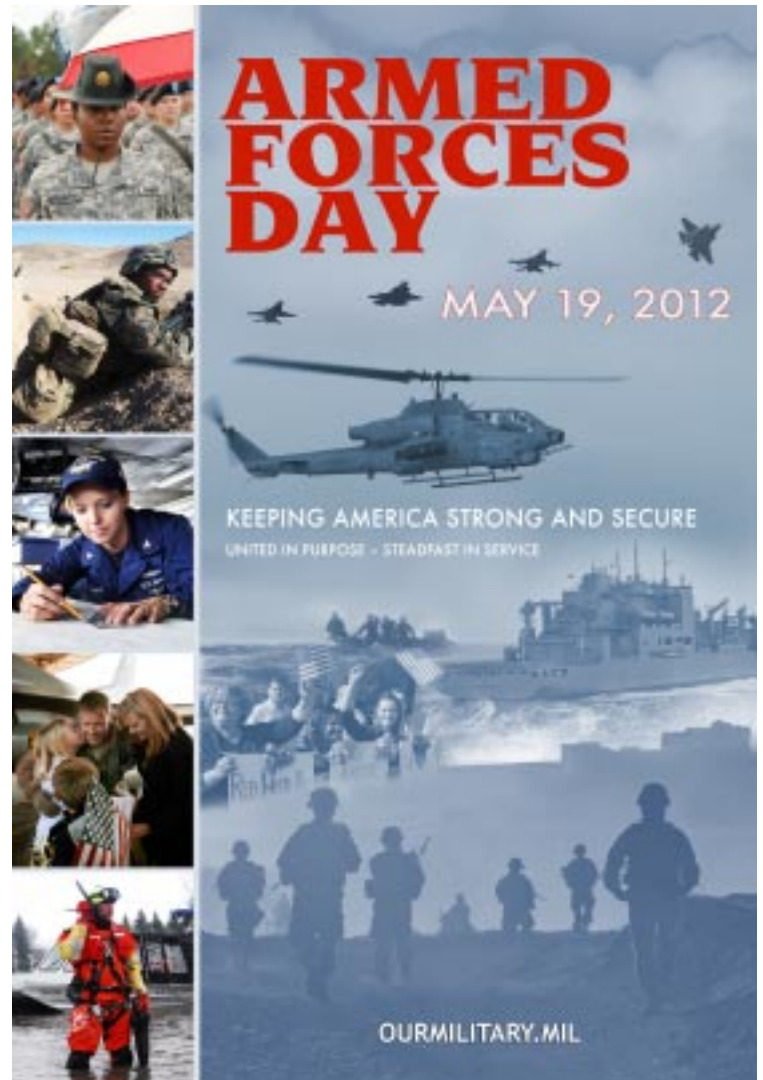
Each year a large number of acceptable entries are received with insufficient information, or necessary information was not attached to the transcriptions and was separated, thereby precluding issuance of a certification. Entries must be sent to the appropriate military address as follows:

Stations copying Secretary of Defense Message transmitted from AAZ/WAR/AAV send entries to:
Armed Forces Day Celebration, Commander NETCOM/9th ASC, Armed Forces Day Celebration, ATTN: NETC-OPE-MA (MARS)(31), Fort Huachuca, AZ 85613-5000

Stations copying Secretary of Defense Message transmitted from AIR-2 send entries to: Armed Forces Day Celebration. AFCA / Chief, AF MARS, 203W Losey Street, Scott AFB, IL 62225

Stations copying Secretary of Defense Message transmitted from NBL, NNN0ASF, NNN0CQQ, NUW or NWKJ send entries to: Armed Forces Day Celebration, Chief, Navy-Marine Corps MARS, Cheatham Annex Bldg no. 117, 108 Sanda Ave, Williamsburg, VA 23185-5830

BREAK - OVER



Armed Forces Day 2012 Stations and Frequencies

Operation is May 12-13, 2012. All frequencies in kHz. Operation is cross-band. Listen on listed frequencies for information on where in the amateur bands to transmit.

ARMY Stations

AAZ: 1400Z 12 May to 0300Z 13 May
USB: 4036.0 (80M), 6910.0 (40M), 14402.0 (20M),
13996.0 (20M), 18211.0 (17M),
CW: 7577.0 (40M), 13507.0 (20M)

RTTY: 7639.5 (40M)

MT-63: 13512.5 (20M)

POC: Mr. Dewayne Smith

Address: COMMANDER NETCOM/9TH ASC

ATTN: NETCOM-OPE-M (MARS) (31)

2133 CUSHING STREET

Ft. Huachuca, AZ 85616-7070

AAC: 1300Z 12 May to 0100Z 13 May

USB: 3347.0 (80M), 7360.0 (40M), 13910.5 (20M),
27788.5 (10M)

POC: Barry Jackson, AAR4BZ

Address: HQ 3rd BDE, 95th Div (IT) MARS STATION

Barrow Army Reserve Training Center

1051 Russell Cave Pike

Lexington, KY 40505

ABH: 1600Z 12 May to 2300Z 13 May

USB: 3347(80M), 4438.5(80M), 4789.5(80M),
7357(40M), 7718.5(40M), 8037(40M),
14402(20M), 14438.5(20M), 14487(20M), 17443.0(17M),
17592.5(17M), 20976(15M), 20558.5(15M)

POC: Mr. Sonny Makalena

Location: Schofield Barracks, HI

Address: Commander, 396th Signal Company

30th Signal Battalion, 96857

WAR: 1200Z 12 May to 2400Z

USB/CW: 4018.0 (80M), 7311.0 (40M),
14438.5 (20M), 27991 (10M)

POC: Mr. Gary Sessums

Location: Pentagon, Washington, DC

Address: Pentagon Amateur Radio Club

ATTN: AFDCBT

PO Box 2322

Arlington VA 22202

WUG-2B: 1300Z 12 May to 0200Z 13 May

USB: 4030.0 (80M), 7421 (40M), 14486.0 (20M)

USB/CW: 6823.0 (40M), 14663.5 (20M), 20973.5(15M)

POC: Jim Pogue

Address: USACE Memphis District Office

ATTN: Jim Pogue

Public Affairs Office Room B-202

167 N. Main St

Memphis, TN 38103-1894

AIR FORCE Stations

AIR: 1200Z MAY 12 TO 2400Z

USB: 4517.1 (80M), 6996.1 (40M), 13985.1 (20M),
20737.6 (15M)

POC: Mr. Bob Miskin

Address: 89 COMMUNICATIONS SQUADRON

JOINT BASE ANDREWS, MD 20762

AIR-2: 1200Z MAY 12 TO 2400Z

USB: 4590.1 (80M), 7540.1 (40M), 13993.1 (20M),
20737.6 (15M)

POC: Mr. Mike Carl

Address: 174 FIGHTER WING

6001 E. MOLLOY RD.

SYRACUSE, NY 13211

AGA4AR: 1200Z MAY 12 TO 2400Z

USB: 3299.0 (80M), 7457.0 (40M), 13498.0 (20M)

POC: Mr. Michael Glennon

Address: 100 KINDEL DRIVE A101B/ MARS

ARNOLD AFB, TN 37389

Navy-Marine Corps Stations

NBL: 1200Z 12 May to 0400Z 13 May

LSB: 4041.5 (80M), 7371.5 (40M)

USB: 14391.5 (20M), 20623.5 (15M)

POC: Robert Veth, Director Region One

Address: 4 Lantern Lane

Chelmsford MA 01824-1316

NNN0ASF: 1200Z 12 May to 0400Z 13 May

LSB: 4014 (80M),

LSB: 7394.5 (40M) 1200-2359Z, 0200-0400Z

LSB: 7394.5 (40M) PSK31 0000Z-0200Z

USB: 13974 (20M) 1200-1800Z, 2000-0400Z

USB: 13974 (20M) PSK31 1800Z-2000Z

USB: 20997 (15M)

AFD 2012 Stations - cont'd from page 3

POC: Ken Keehner

Address: NAVMARCORMARS Radio Station
NNN0ASF
PO Box 224
Bennington KS 67422

NNN0CQQ: 1500Z 12 May to 0400Z 13 May
EX-USS MIDWAY MUSEUM SHIP MARS STATION

LSB: 4003 (80M), 7351.5 (40M)
USB: 14463.5 (20M), 20936 (15M)

POC: Jose Garza, NNN0XBQ

Address: 9789 Paseo Montril
San Diego CA 92129-3910

NUW: 1500Z 12 May to 0400Z 13
NAVMARCORMARS RADIO STATION NAS WHIDBEY ISLAND WA

LSB: 4044.0 (80M), 7381.5 (40M)
USB: 13528.5 (20M), 20952.5 (15M)

POC: Mr. Digger O'Dell

Address: NAVMARCORMARS Radio Station
260 W. Pioneer FSC Bldg
NAS Whidbey Island WA 98277

NWKJ: 1200Z 12 May to 0400Z 13 May

LSB: 4010.0 (80M), 7348 (40M)
USB: 14467.0 (20M), 21758.5 (15M)

Address: EX-USS Yorktown (CV-10)

Patriots Point Maritime Museum, SC
C/O Fred Hambrecht/NNN0GBS
129 Indian Trace Court
Gilbert, SC 29054

NWVC: 1200Z 12 May to 0400Z 13 May

LSB: 4041.5 (80M), 7389 (40M)
USB: 13826 (20M), 20678.5 (15M)

POC: Perry Ballinger, NNN0VNO

Address: USS LST 325
840 LST Drive
Evansville, IN 47713

Mental Workout

You may have seen a version of this exercise using letters out of order. This little challenge uses numbers as replacements. See if you can read the text. By the time you get past the third line you might be amazed at what your mind can accomplish!

7H15 M3554G3
53RV35 7O PR0V3
H0W 0UR M1ND5 C4N
D04M4Z1NG7H1NG5!
1MPR3551V37H1NG5!
1N7H3B3G1NN1NG
17 WA5 H4RD BU7
NOW, 0N 7H15 LIN3
YOUR M1ND 1S
R34D1NG 17
4U70M471C4LLY
W17H 0U7 3V3N
7H1NK1NG4B0U7 17,
B3 PROUD! ONLY
C3R741N P30PL3 C4N
R3AD 7H15.
PL3453 F0RW4RD 1F
U C4N R34D 7H15.

Piece of cake wasn't it? Now take a break. You don't want to over-heat your noggin.

BREAK - OVER



Secretary of Defense Message Test via Digital Modes

The station listed below will be transmitting the Secretary of Defense Armed Forces Day message on a variety of frequencies and modes. You can test your ability to receive using any of seven digital modes: PACTOR FEC, Amtor FEC, RTTY, PSK-31, MT-63, Olivia, and MFSK.

Developing a plan to copy the Sec Def message draws on

Stations copying **AAZ / WAR / AAV** send entries to:

Armed Forces Day Celebration
Commander NETCOM/9th ASC
Armed Forces Day Celebration
ATTN: NETC-OPE-MA (MARS)(31)
Fort Huachuca, AZ 85613-5000

Stations copying **AIR-2** send entries to:

Armed Forces Day Celebration
AFCA / Chief, AF MARS
203W Losey Street
Scott AFB, IL 62225

ARMY

AAZ HQ Army MARS and Western Area Gateway
Ft. Huachuca AZ

6986.5 USB	RTTY	13 May/0110Z
	PACTOR FEC	13 May/0130Z
	MT63	13 May/0220Z
	PSK-31	13 May/0250Z
14402.0 USB	RTTY	13 May/0110Z
	PACTOR FEC	13 May/0130Z
	MT63	13 May/0220Z
	PSK-31	13 May/0250Z

WAR Pentagon MARS Station Washington DC

6986.5 USB	OLIVIA	12 May/1700Z
		12 May/2300Z
	MT63	12 May/1715Z
		12 May/2315Z
14438.5 USB	PACTOR FEC	
	RTTY	12 May/1730Z
		12 May/1745Z

4018.0 USB	PACTOR FEC	
	RTTY	12 May/2330Z
		12 May/2345Z

AAC

4036.0 USB	MT63	12 May/0030Z
7357.0 USB	RTTY	12 May/0100Z

many different areas of amateur radio knowledge. You must determine the current propagation conditions by monitoring the cross-band activity to determine what locations have good signals into your area. Then you can determine which stations would be the best prospects to be on the most favorable frequency at the time given for their broadcast. Next you might be able to choose from several digital modes.

The reward for a successful plan is a nice certificate from the Dept of Defense acknowledging your successful reception of the message.

Start your planning early and see if you can have bragging rights at a future monthly breakfast!

Stations copying **NAV, NAV-3, NAV-4, NBL, NPL or NUW** send entries to:

Armed Forces Day Celebration
Chief, Navy-Marine Corps MARS
Cheatham Annex Bldg 117
108 Sanda Ave
Williamsburg, VA 23185-5830

AIR FORCE

AIR-2

7831.1	RTTY	12 May/1930Z
	MT63	12 May/2030Z
	MFSK	12 May/2100Z
14877.1	RTTY	12 May/2130Z
	MT63	12 May/2230Z
	MFSK	12 May/2300Z

NAVY

NBL NAVMARC MARS STATION GROTON CT

7370.0	RTTY	12 May/2340Z
	AMTOR FEC	13 May/0010Z
	MT63	13 May/0040Z
14393.0	RTTY	12 May/2340Z
	AMTOR FEC	13 May/0010Z
	MT63	13 May/0040Z

NNN0 ASF NAVMARC MARS STATION

	BENNINGTON KS	
7393.0	RTTY	12 May/2340Z
	AMTOR FEC	13 May/0010Z
	MT63	13 May/0040Z
13975.5	RTTY	12 May/2340Z
	AMTOR FEC	13 May/0010Z
	MT63	13 May/0040Z

DNS Changer

DNS—Domain Name System—is a critical Internet service that converts user-friendly domain names, such as www.fbi.gov, into numerical addresses that allow computers to talk to each other. Without DNS and the DNS servers operated by Internet service providers, computer users would not be able to browse websites or send e-mail.

DNSChanger was used to redirect unsuspecting users to rogue servers controlled by the cyber thieves, allowing them to manipulate users' web activity. When users of infected computers clicked on the link for the official website of iTunes, for example, they were instead taken to a website for a business unaffiliated with Apple Inc. that purported to sell Apple software. Not only did the cyber thieves make money from these schemes, they deprived legitimate website operators and advertisers of substantial revenue.

The six cyber criminals were taken into custody yesterday in Estonia by local authorities, and the U.S. will seek to extradite them. In conjunction with the arrests, U.S. authorities seized computers and rogue DNS servers at various locations. As part of a federal court order, the rogue DNS servers have been replaced with legitimate servers in the hopes that users who were infected will not have their Internet access disrupted.

It is important to note that the replacement servers will not remove the DNSChanger malware—or other viruses it may have facilitated—from infected computers. Users who believe their computers may be infected should contact a computer professional. They can also find additional information in the links on

this page, including how to register as a victim of the DNSChanger malware. And the FBI's Office for Victim Assistance will provide case updates periodically at 877-236-8947.

You can also test to see if you are affected by visiting the following DNSChanger Check-Up site: www.dns-ok.us If this Check-Up site indicates that you are affected by DNSChanger, then visit www.dcwg.org/cleanup.html for information on how to address this problem.

See diagram below for a recap of the process.

BREAK - OVER



Take a Dip in the General Pool

Time to test your knowledge of the information covered by the General Class license exam. Each month we'll take a look at a selection from the question pool. Here is this month's sample:

1. Which mode of voice communication is most commonly used on the high frequency amateur bands?
A. Frequency modulation
B. Double sideband
C. Single sideband
D. Phase modulation
2. Which of the following statements is true of the single sideband (SSB) voice mode?
A. Only one sideband and the carrier are transmitted; the other sideband is suppressed
B. Only one sideband is transmitted; the other sideband and carrier are suppressed
C. SSB voice transmissions have higher average power than any other mode
D. SSB is the only mode that is authorized on the 160, 75 and 40 meter amateur bands

(Check next month's issue of the ARES Communicator for the answer.)

OFFICIAL NOTICE

Any spelling errors in this newsletter are intentional and intended to highlight the need for better spelling education. Really. It's not just a silly mistake or typo.

April General Pool Answer

1. Which of the following is most commonly used for SSB voice communications in the VHF and UHF bands?
A. Upper sideband
2. Which of the following is a recommended way to break into a conversation when using phone?
B. Say your call sign during a break between transmissions from the other stations
3. When you are contacted on the air by a native of the planet d43mq from the Xelipson system, what are you required to report?
None of the above. Everyone knows d43mq hasn't mastered space travel!

BREAK - OVER



FORT LAUDERDALE, Fla. James Woods, assigned to the U.S. Navy parachute demonstration team, the Leap Frogs, flies an 800-square-foot American flag during a rehearsal for the Lauderdale Air Show. (U.S. Navy photo by Chief Warrant Officer (SEAL) Keith Pritchett)



ARES Breakfast

Saturday May 12th
7:30AM
Perkins Restaurant
Savage, MN

NECOS Schedule May 2012

7 May	W0NFE Bob
14 May	KB0FH Bob
21 May	KC0YHH Tony
28 May	N0PI Dan
4 June	W0NFE Bob
11 June	KB0FH Bob