



MINNESOTA MARSGRAM



Information for Minnesota Navy-Marine Corps. MARS Members

June, 2009

Volume 13, Number 6

NNN0ALL Minnesota

by NNN0GAZ Tim

Greetings. A little over a year ago, we were surprised by a Chief Navy-Marine Corps MARS Broadcast that signaled the return of CW to MARS frequencies. This year the most recent Chief Navy-Marine Corps MARS Broadcast 03-09 brought yet another and not very pleasant surprise to members of the Navy-Marine Corps MARS program. This broadcast outlined the "sun-setting" of the Navy-Marine Corps MARS program. I'm not sure how any of you feel about this news; I for one am not at all pleased with the possibilities.

Reading the broadcast, to me it seems that the right hand (NNWC) doesn't know or doesn't care about previously issued and still in force directives, namely DOD DIRECTIVE 4650.2 DTD 26 JAN 1998. It is also clear that NNWC is also not clearly informed of the resources available via the Navy-Marine Corps MARS program.

Bob Reid, NNN0XYA/NNN0GAZ THREE, compiled a few statistics – in Minnesota alone members participated in over 2,000 hours of scheduled communications. Folks, that is the nightly nets, exercises, and etc. that we do just as a part of our annual schedule. Add to our normal hours an additional 2,000+ man-hours contrib-

uted to training, maintenance, experimentation and planning. A total of over 4,000 man-hours contributed at no cost to the Navy. Taking the man-hours, we used a recently released figure of \$20.15 per hour for the value of volunteer labor. This number is used by FEMA and other agencies when determining the cost of volunteer labor in response to disasters, training, etc. Using these figures we arrive at an estimated \$80,000 in labor that benefits the Navy at no cost to them, just in Minnesota. Hard to imagine passing up \$80,000 in free labor, and that is just one state. While figures will vary, some states have more members and others less, lets just say our number is average – multiply that by 50, this program has contributed, in one year, 4 million dollars in labor alone. If we take off the estimated \$225,000 it costs to operate the program, we've still have a net benefit to the Navy of \$3.775 million. I'd say the cost benefit analysis would certainly support leaving the program intact. This is man-hours; we haven't even started to count the cost of equipment that

benefits the program.

As for the value of equipment, we arrived at an average equipment value of \$6,000 for each member station. Certainly this will vary among members, depending on the amount of equipment and bells and whistles on that equipment – lets just use the \$6,000 figure as an average. In Minnesota alone, we have an estimated \$140,000 of equipment that the Navy didn't buy, doesn't maintain, but yet benefits from its use. If we're average in Minnesota, lets multiply this number by 50 and we've arrived at \$7 million dollars in equipment the Navy doesn't own, maintain, insure, etc. but yet the Navy reaps the benefits. Together with the labor – we're looking at a \$10 million dollar program that costs them roughly a quarter of a million to operate – seems to me someone in Washington didn't do their homework or completely flunked economics 101.

These figures clearly demonstrate that this is a program worth saving. If you subscribe to the MARS discussion list you no doubt have read some of the

GAZ cont'd pg. 2

The MINNESOTA MARSGRAM is published for the benefit of Amateur Radio Operators in Minnesota and other interested individuals. The contents DO NOT reflect official Navy positions.

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Content Contributions Welcomed and Encouraged

MINNESOTA TRAFFIC NETS

Designator	Frequency	Local Times
5G1B	Pri. NCE Sec. NBG Ter. NAR	18:30 Daily

MINNESOTA ADMIN. NET

5G4A	Pri. NCE	19:00 2nd Sunday
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MARS DATA SYSTEM

NN0DVD	Freq. NCO AFSK/USB
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Website <http://www.mnmars.org>

Intranet site <http://www.communityzero.com/mnmars>

GAZ cont'd from pg. 1

comments rendered in response to the Chief's broadcast – there are those that contend we, ourselves, are to blame for our undoing, slow to embrace changing technology, losing sight of our primary mission - perhaps to some extent we are – but maybe this is the slap in the face we needed to step up, demonstrate that we are a viable organization that can change, has changed and will continue to evolve. Army and Air Force MARS also need to be on notice – while Navy-Marine Corps is clearly absent from the proposed new MARS logo – no one can rest on their laurels. Getting rid of the first organization is hard and not without casualties, however, after disposing of the first the rest is all easy.

There are states where members have chosen or been told that it is not appropriate for this matter to be discussed on the air, via email, and they are not to write to Navy-Marine Corps MARS leadership or to their representatives in Congress. I'm not going to tell you that – each of you must make a decision on what this program is worth to you. If you believe the program is worth saving – then it is time to write to your congressional delegation – make them aware of the contributions this program offers to the Navy and the emergency communications community as a whole. We are trained and ready to serve – I would prefer to continue serving Navy-Marine Corps MARS. Call me a bit competitive, I find it hard to believe that the Navy wants to be outdone by the likes of the Army or the Air Force.

(Ed Note: See the article on page 7 for information about contacting your legislator.)

MN Navy-Marine Corps MARS Staff

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NNN0GAZ FOUR

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Test Your NIMS Knowledge

Each month we take a look at a topic covered in the FEMA on-line courses required of all emergency communications volunteers. See how much you recall from the course.

Who is responsible for determining the appropriate tactics for an incident?

- A. The Safety Officer
- B. The Operations Section
- C. The Planning Section
- D. The Deputy Incident Commander

Check in next month's MARSGRAM for the answer.

May NIMS Solution

Select the TRUE statement:

- A. Formal communication is used in reporting progress of assigned tasks.

BT OVER



The Ham Shack -
NNN0AQK Max



Training Corner

Digital Transmissions and Prosigns

by: Bob, NNNOGAZ FOUR

There are many prosigns applicable to digital transmissions. Listed are a few of the illustrations of the use of these prosigns which are contained in NTP 8(D) ANNEX C.

C204 DESCRIPTION AND USE OF PROSIGNS.

a. AA - UNKNOWN STATION. The prosign AA is used in lieu of a call sign in establishing communication with a station whose call sign is not known or is not recognized.

Example: NAV hears its own call sign but misses the call sign of the calling station. NAV transmits:

AA DE NAV K

b. AA - ALL AFTER: AB - ALL BEFORE. The prosigns AA and AB are used after the prosigns IMI, INT, C, J, and certain operating signals to identify a portion of a message.

c. AR - OUT. The prosign AR means, THIS IS THE END OF MY TRANSMISSION TO YOU AND NO RESPONSE IS REQUIRED OR EXPECTED. When AR is used, it does not preclude requests if necessary for repetitions or verifications.

Example 1:

NAV DE NNNØRAL R AR

Example 2:

R 142155Z MAR 2004

BT

HELLO JERRY

BT

AR

d. AS - WAIT. When the called station is not prepared to accept traffic, the prosign AS may be employed.

(1) AS sent during a transmission and without an ending sign indicates a short pause:

NNNØRRZ DE NAV

R 182100Z MAR 2004

GR8

BT

UNCLAS

PASS TO GEO - AS

When the calling station is ready to resume, it commences with a repetition of the last group already sent. GEO K MURKY etc.

(2) AS followed by the prosign AR means YOU ARE TO WAIT, or I AM OBLIGED TO WAIT as applicable.

(3) AS followed by a numeral and AR means the expected delay in minutes is represented by the numeral following AS.

(4) A station having received AS shall wait for the prosign K before transmitting, unless in the meantime it has been given a message of high precedence to transmit, or it appears the station has been overlooked.

e. B - MORE TO FOLLOW. In the final instructions, the prosign B means MORE TO FOLLOW.

Example 1: NAV indicates that it has more to send to NNNØTUG by transmitting:

NNNØTUG DE NAV

R 211340Z MAR 2004

GR 29

BT

TEXT

BT

B

K

Example 2: NNNØSJK has just received a message from NAV. When receipting, NNNØSJK indicates that he has traffic to send to NAV as follows:

NAV DE NNNØSJK R B K

Example 3: A precedence prosign, except R, may follow B to indicate the precedence of the message on hand:

NAV DE NNNØSJK R B P K

B followed by a call sign in the final instructions means MORE TO FOLLOW TO STATION INDICATED.

Example: NNNØRAG, NNNØRBP, NNNØRDY, and NNNØRFZ are in the same net. NNNØRAG transmits a message to NNNØRBP and NNNØRDY for which he requires a receipt and at the same time indicates to NNNØRDY that more is to follow for him:

NNNØRDP NNNØRDY DE NNNØRAG

R 140315Z MAR 2004

GR 34

BT

TEXT

BT

B NNNØRDY

K

f. BT - BREAK. The prosign BT is used to indicate the separation between the text and other parts of a message. It immediately precedes and follows the text. Example: NAV is transmitting a message to NNNØSTT (for which receipt is not necessary or desired).

NNNØSTT DE NAV

P 221311Z MAR 2004

BT

TEXT

BT

AR

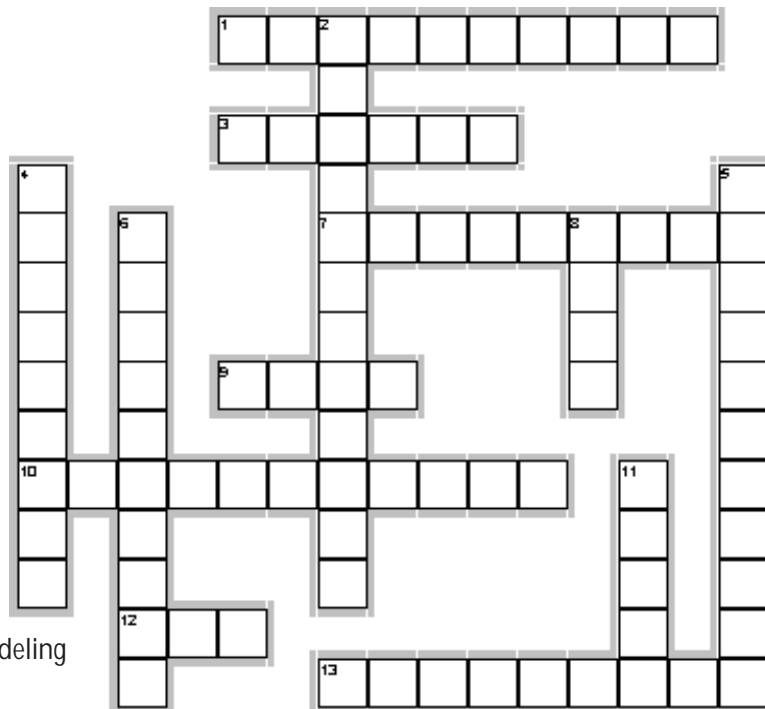
ANTENNA TERMS

Across

1. The strongest wire suitable for antenna service.
3. A type of dipole with an impedance four times a half-wave dipole.
7. _____ resistance is the equitant resistance that would dissipate the power the antenna radiates.
9. Antenna consisting of two or more square loops measuring one quarter wavelength on a side.
10. The property of an antenna to radiate more strongly in one direction than others.
12. A sophisticated computer program capable of modeling almost any antenna type from the simple dipole to extremely complex designs.
13. Determined by the ratio of voltage to current at a specific point on the antenna.

Down

2. Determined by the position of the radiating element with respect to the earth.
4. The range of frequencies over which the antenna can be used to obtain a specified level of performance.



5. A drooping dipole.
6. A feed line consisting of two parallel conductors.
8. Inductance and capacitance in parallel that effectively disconnects the wire beyond.
11. A device for feeding a balanced load with an unbalanced line or vice versa.

ARL TEXTS

May Crossword Solution

Across

1. WEATHER—ARL TWENTY FIVE Furnish as soon as possible the _____ conditions at your location.
4. STRANDED—ARL TWENTY Temporarily _____. Will need some assistance.
7. CRITICAL—ARL FOURTEEN Situation here becoming _____. Losses and damage from flood increasing.
8. THIRTEEN—ARL _____ Medical emergency situation exits here.
9. TWO—ARL _____ Coming home as soon as possible.
10. EVERYONE—ARL ONE _____ safe here. Please don't worry.
11. SIX—ARL _____ Will contact you as soon as possible.



Down

2. RADIOOPERATORS—ARL NINE Additional four _____ needed to assist with emergency at this location.
3. CONTACT—ARL EIGHTEEN Please _____ me as soon as possible
5. TWENTYFOUR—ARL _____ Evacuation of residents from this area urgently needed. Advise plans for help.
6. TWENTYSIX—ARL _____ Help and care for evacuation of sick and injured from this location needed at once.

MNMARS 2nd Quarter Exercise

Statewide Immunization Plan in Progress

The following information and message formats are to be used for the June 3rd and 4th, 2009 exercise. For this exercise, members are to compose and send SITREP messages and one third party message. (Ed's Note: If you are reading a PDF file you downloaded via the internet you CAN participate in this exercise. You can send your traffic via WL2K and don't even need a radio. EVERYONE can participate.)

This exercise is more of a test to evaluate members capabilities with WL2K and digital modes. Please refer to the MN ECOM PLAN and NTP (8) DRAFT (available on www.communityzero.com/mnmars).

Exercise Scenario

The flue bug N1H7.4, a new but common flu like virus, was carried to this country by sailors who were bitten by mosquitoes from the deep jungles of South America.

It is thought that the mosquitoes and virus infected sailors on cargo ships that came down the St. Lawrence Seaway and to Duluth. The ship was stranded in Duluth harbor for several weeks, thus allowing the virus to spread through out Minnesota.

Although the virus is new to this country, it is quite common and thus there is a vaccine for it. The vaccine is being distributed to all hospitals in the state.

The Minnesota Department of Health has asked the MNMARS operators to assist in documenting when the vaccine has reached all the hospitals and health departments.

The shipments of vaccine will be delivered to major distribution points in the state and each hospital and health department will send a truck to pick up their supplies. The supplies will consist of the vaccine (code word Hot Shot) and face masks (code word Stone Wall).

The MARS members are asked to monitor the hospitals and health departments in their area and report by message the vehicle license number (use fake number system) and the time and quantity of supplies delivered.

Message Traffic

Due to WL2K Airmail programs inability to use staff calls such as NNN0GAZ TWO, we will use NNN0KZC for NNN0GAZ TWO and NNN0RAU for NNN0AS5 TWO.

The exercise will be held on two nights during the 5G1B net times. All MN MARS Members are asked to transmit at least one SITREP and one third party message. These messages and be transmitted either by VOICE, PSK 31, MT 63 or WL2K Airmail. The net will be opened for voice traffic first, then PSK 31 then MT 63. Airmail traffic can

be sent anytime between the start of the June 3rd net and the end of the June 4th net.

The following formats should be used for VOICE, PSK31, or MT 63:

SITREP MESSAGE Example:

DE NNN0____ (MSG #)

P (DTG) (MO) (YR)

FM NNN0____ MN

TO NNN0AS5 MN

INFO NNN0GAZ MN

NNN0RAU MI

NNN0KZC MN

BT

UNCLASS EXERCISE BAD BUG

SUBJ: SITREP (number)

1. (number) CASE OF N1H7.4 REPORTED IN (your area)
2. 5G1E
3. ADVISORY INFORMATION (how many hotshots and stonewalls needed)
4. (PROGNOSIS FOR NEXT TWO HOURS)
5. (OTHER PERTINENT INFORMATION, PROBLEMS, EQUIPMENT PERFORMANCE, ETC)

EXERCISE BAD BUG

BT

NNNN

THIRD PARTY MESSAGE Example:

DE NNN0____ (MSG #)

R (DTG) (MO) (YR)

FM NNN0____ MN

TO NNN0AS5 MN

NNN0KZC MN

INFO NNN0GAZ MN

BT

UNCLASS EXERCISE BAD BUG

SUBJ: SUPPLIES RECEIVED

REF. A. NNN0KZC TO REPORT SUPPLIES RECEIVED TO MINNESOTA DEPARTMENT OF HEALTH

1. (____) UNITS OF HOTSHOTS RECEIVED AT (YOUR LOCATION)
2. (____) BOXES OF STONEWALLS RECEIVED AT (YOUR LOCATION)

EXERCISE BAD BUG

BT

NNNN



Exercise cont'd on pg. 6

Exercise cont'd from pg. 5

AirMail Message Format (WL2K)

Click on the OPEN NEW MESSAGE icon and fill in the form to look like the following:

SITREP MSG. example:

TO: NNN0AS5, NNN0KZC
 POST VIA: MARS
 CC:
 SUBJECT: //MARS P/SITREP (number)

(TEST BOX)

DE NNN0____ (MSG #)

P (DTG) (MO) (YR)

FM NNN0____ MN

TO NNN0AS5 MN

INFO NNN0GAZ MN

NNN0RAU MI

NNN0KZC MN

BT

UNCLASS EXERCISE BAD BUG

SUBJ: SITREP____

1. (____) CASE OF N1H7.4 REPORTED IN (YOUR AREA)

2. 5G1E

3. ADVISORY INFORMATION (HOW MANY HOTSHOTS AND STONEWALLS NEEDED)

4. (PROGNOSIS FOR NEXT TWO HOURS)

5. (OTHER PERTINENT INFORMATION, PROBLEMS, EQUIPMENT PERFORMANCE, ETC)

EXERCISE BAD BUG

BT

THIRD PARTY MSG. example:

TO: NNN0AS5, NNN0KZC
 POST VIA: MARS
 CC: NNN0GAZ
 SUBJECT: //MARS R/ SUPPLIES RECEIVED

(TEXT BOX)

DE NNN0____ (MSG #)

R (DTG) (MO) (YR)

FM NNN0____ MN

TO NNN0AS5 MN

NNN0KZC MN

INFO NNN0GAZ MN

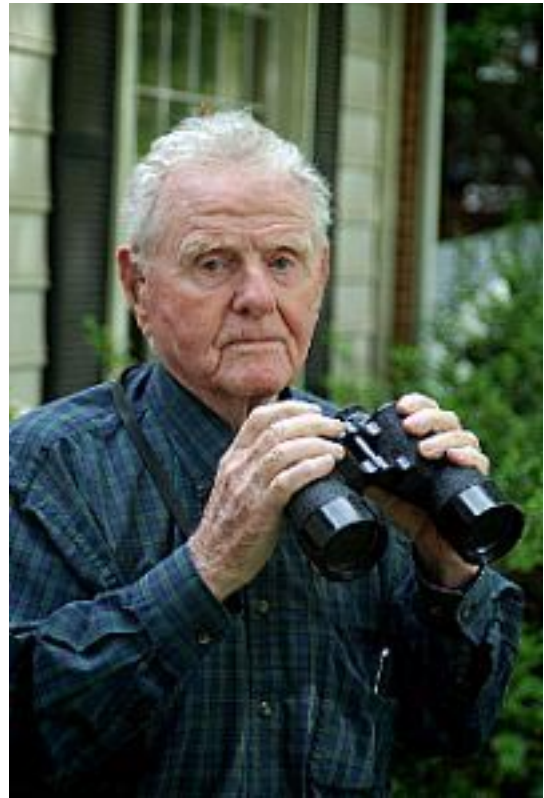
BT

UNCLASS EXERCISE BAD BUG

SUBJ: SUPPLIES RECEIVED

REF. A. NNN0KZC TO REPORT SUPPLIES RECEIVED

Lost, then Found!



ROCKVILLE, Md. (May 18, 2009) Retired U.S. Navy Capt. John W. Crawford poses for a photo at his Maryland home with a pair of binoculars that he won as a midshipman at the U.S. Naval Academy. Crawford decided to put the binoculars to practical use and took them aboard the aircraft carrier USS Yorktown before the carrier departed Pearl Harbor for the Battle of Midway. Crawford believed the binoculars were lost when the carrier was sunk, but a member of a salvage recovery team put aboard Yorktown before the sinking found them and, seeing the inscription to Crawford, returned them to him. The Navy will commemorate the Battle of Midway at the U.S. Navy Memorial on June 4th at 2:00 p.m.

Exercise cont'd from col. 1

TO MINNESOTA DEPARTMENT OF HEALTH

1. (____) UNITS OF HOTSHOTS RECEIVED AT (YOUR LOCATION)

2. (____) BOXES OF STONEWALLS RECEIVED AT (YOUR LOCATION)

EXERCISE BAD BUG

BT

cont'd col. 2

BT OVER

Navy-Marine Corps MARS Program Sunset?

The Chief's Broadcast that dropped this bomb was read on the 5G1B on 16May09. The text of the broadcast is as follows:

UNCLAS

CHNAVMARCORMARS BCST 03-09

A. DOD DIRECTIVE 4650.2 DTD 26 JAN 1998

B. DOD INSTRUCTION 4650.02 (PROPOSED) NOTAL

1. COMMANDER, NAVAL NETWORK WARFARE COMMAND (NNWC) HAS DECIDED TO 'SUNSET' THE MARS MISSION WITHIN NAVY AS OF 30 SEP 2009.

NNWC HAS REQUESTED ALL MILITARY BILLETS AND MY CIVILIAN POSITION BE DELETED AND UNFUNDED AFTER THAT DATE. OPNAV HAS NOT YET APPROVED THIS REQUEST.

2. ALL THREE MARS SERVICES HAVE OPERATED UNDER THE MANDATE OF REF A, WHICH IS STILL VALID. REF B IS A PROPOSED UPDATE TO REF A AND IS IN THE PROCESS OF BEING COORDINATED BETWEEN DOD AND THE THREE SERVICES. REF B INCREASES THE SERVICES REQUIREMENT TO SUPPORT THE MARS PROGRAMS WITHIN THEIR SERVICE. ARMY AND AIR FORCE HAVE AGREED TO THE CHANGES BUT NAVY (OPNAV) HAS ASKED TO BE LET OUT OF THIS REQUIREMENT. THIS NEGOTIATION IS STILL IN PROCESS AND WE DO NOT KNOW WHEN IT WILL BE RESOLVED.

3. AS A CONSEQUENCE OF NNWC DECISION TO 'SUNSET' THE MARS MISSION, I AM FORCED TO INITIATE ACTION TO CLOSE DOWN NAVY-MARINE CORPS OPERATIONS AND FACILITIES BY 30 SEP 2009. ACCORDINGLY: A. AREA DIRECTORS WILL TRANSFER ALL MEMBERSHIP RECORDS TO HQ NLT THAN 31 JUL 2009. WHEN RECORDS HAVE BEEN TRANSFERRED, STATE DIRECTORS WILL SEND ALL MEMBERSHIP RELATED MATTERS DIRECTLY TO CHNAVMARCORMARS VICE THE AREA DIRECTOR.

B. AREA DIRECTORS WILL CLOSE DOWN THEIR OFFICES AND TURN IN ALL EQUIPMENT TO DRMO NOT LATER THAN 30 SEP 2009.

C. NONE OF THE EQUIPMENT AT THE AREA DIRECTORS STATIONS WILL BE ALLOWED TO BE TRANSFERRED TO ANY MEMBERS. THE EQUIPMENT MAY BE TRANSFERRED TO OTHER OFFICIAL NAVY ORGANIZATIONS (LIKE MWR OR SPECIAL SERVICES) TO HELP EQUIP OR START UP MILITARY RECREATION STATIONS. THESE TRANSFERS WILL BE APPROVED BY HQ ON A CASE-BY-CASE BASIS.

4. IF NAVY'S REQUEST TO BE DELETED FROM REF B IS NOT APPROVED, THERE WILL BE A NAVY-MARINE CORPS MARS PROGRAM BUT IT WILL NOT HAVE AREA DIRECTORS (THEY WILL HAVE BEEN TRANSFERRED). ALL MEMBERSHIP CORRESPONDENCE WILL BE HANDLED BETWEEN THE STATE DIRECTOR

AND CHIEF, NAVMARCORMARS DIRECTLY. AREA DEPUTY DIRECTOR AND AREA STAFF POSITIONS WILL BE RETAINED TO COORDINATE FREQUENCY MATTERS, TRAINING, ETC.. ALL OPERATIONAL MATTERS WILL BE HANDLED BY STATE AND REGION DIRECTORS.

5. I WILL INFORM YOU AS SOON AS I FIND OUT THE FINAL RESOLUTION OF NAVY'S REQUEST TO 'SUNSET' NAVY-MARINE CORPS MARS.

If you are content to sit back and wait to see what happens, you should probably stop reading here. If you think this is a call to action, read on.

The one action we can take as citizens is to contact our U.S. Congressman and Senator and make them aware of the impending action, educate them about the value of the Navy MARS program in Minnesota, and ask for their support in preventing the sunset of the program.

The text of a letter you may want to use is included below. You should send your letter via email if possible. Surface mail sent to a Washington D.C. address will be delayed by three to four weeks due to the screening process. You can contact your Congressman's local office by phone or mail and make your views known. This might be an effective method because Congressmen will be back home during the summer recess to campaign. Those summer parades and celebrations are prime time for them!

If you value the Navy MARS program, take action and make a contact.

Sample letter:

Honorable Congressman _____,

The Chief of Naval Operations is considering termination of the U.S. Navy-Marine Corps Military Affiliate Radio System (Navy MARS). I am writing to ask your support for continuation of the Navy MARS program.

The Navy MARS program was authorized by the Sec. of the Navy in 1962. The program was established to provide Department of the Navy and Department of Defense sponsored emergency communications on a local, national, and international basis as an adjunct to normal naval communications.

The major functions of Navy MARS are to: Provide auxiliary communications to military, federal or civil disaster officials during periods of emergency, Assist in effecting normal naval communications under emergency conditions, Handle morale and quasi-official record and voice

MARS Sunset? cont'd on pg. 8

MARS Sunset? cont'd from pg. 7

communications traffic for armed forces (active duty, retired and reserve), and Veterans Hospital patients and staff, Create interest and furnish a means of training members in naval communications procedures, and Provide a potential reserve of trained radio communications personnel for military duty when needed.

The amateur radio network is one of the few communications resources in reliable operation within minutes of the 9/11 attack. This amateur radio asset is cost free to the Government.

The Navy personnel involved in the Navy MARS program include only four billeted positions and one civilian that administer the program. All remaining administrative activity is handled by MARS volunteers serving in leadership positions at the Region and State levels. The Navy MARS program has minimal budget impact on the U.S. Navy and provides benefits impossible to replace.

When an emergency, man-made or natural, hits Minnesota, Navy MARS members provide local boots-on-the-ground information for the Navy, Dept of Defense, and Dept of Homeland Security through situation reports (SITREPS) consolidated within a local, Minnesota, radio network in real time.

The Navy MARS program in Minnesota currently includes twenty three members, all licensed amateur radio operators, who conduct high frequency radio communications on a daily basis. Minnesota Navy MARS members routinely log over 2,000 hours per year on regularly scheduled communications.

In addition to scheduled communications, Minnesota Navy MARS members engaged in an additional 2,000+ hours of training, experimentation, maintenance, and planning.

The Minnesota Navy MARS program is not a sign-up organization. Each member of the Navy MARS program undergoes a program of 20+ hours of on-air training to earn their permanent membership in the program. Members must meet minimum on-air participation requirements to maintain their membership.

Members demonstrate their commitment to Naval communications on a daily basis. The members' contribution totals an estimated \$80,000 in labor, at no cost to the U.S. Navy, annually.

Additionally, the Minnesota Navy MARS members have amateur radio installations valued at an average of \$6,000 available for use in emergency communications in support

of the U.S. Navy. The Navy has an asset valued at \$138,000 in communications equipment available for use at a moments notice.

The Navy is considering walking away from \$218,000 in emergency communications capability that is virtually cost free!

The Minnesota Navy MARS members are a trained, dedicated, professional group of volunteers who provide a valuable service to the U.S. Navy, the State of Minnesota and the Nation. I urge you to support the retention of the program.

Sincerely,

(This information also available at: www.mnmars.org/sunset)

Local Legislator Contact Information

(Email information always subject to change)

U.S. House of Representatives
Dist 1

The Honorable Tim Walz

Email: http://walz.house.gov/zip_auth.shtm

WWW Homepage: <http://walz.house.gov/>

District Offices:

227 East Main Street, Suite 220

Mankato, MN 56001 Voice: 507-388-2149

1134 7th Street NW

Rochester, MN 55901 Voice: 507-206-0643

Dist 2

The Honorable John Kline

Email: <http://kline.house.gov/?sectionid=7&iontree=47>

WWW Homepage: <http://kline.house.gov/>

District Office:

101 West Burnsville Parkway, Suite 201

Burnsville, MN 55337 Voice: 952-808-1213

FAX: 952-808-1261

Dist 3

The Honorable Erik Paulsen

Email: <https://forms.house.gov/paulsen/contact-form.shtml>

WWW Homepage: <http://paulsen.house.gov/>

District Office:

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Legislator Contacts cont'd on pg. 9

Legislator Contacts cont'd from pg. 8

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 District Offices:
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 320 th Street SW
 Willmar, MN 56201 Voice: 320-235-1061

Minnesota Wheat Growers Building
 2603 Wheat Drive
 Red Lake Falls, MN 56750 Voice: 218-253-4356

Lake Avenue Plaza Building, Suite 107
 714 Lake Avenue
 Detroit Lakes, MN 56501 Voice: 218-847-5056

SW/SC 1420 East College Drive
 Marshall, MN 56258 Voice: 507-537-2299

Dist 8

The Honorable James L. Oberstar
 Email: <http://wwwc.house.gov/oberstar/zipauth.htm>
 WWW Homepage: <http://www.house.gov/oberstar/>
 District Offices:
 Brainerd City Hall
 501 Laurel Street
 Brainerd, MN 56401 Voice: 218-828-4400
 FAX: 218-828-1412

231 Federal Building
 Duluth, MN 55802 Voice: 218-727-7474
 FAX: 218-727-8270

Chisholm City Hall
 316 Lake Street
 Chisholm, MN 55719 Voice: 218-254-5761
 FAX: 218-254-5132

U.S. Senate

The Honorable Amy Klobuchar
 Email: <http://klobuchar.senate.gov/emailamy.cfm>
 WWW Homepage: <http://klobuchar.senate.gov/>
 District Offices:
 Olcott Plaza, Suite 105
 820 9th Street North
 Virginia, MN 55792 Voice: 218-741-9690
 FAX: 218-741-3692

121 4th Street South
 Moorhead, MN 56560 Voice: 218-287-2219
 FAX: 218-287-2930

1134 7th Street NW
 Rochester, MN 55901 Voice: 507-288-5321
 FAX: 507-288-2922 Top of Form

1200 Washington Avenue South, Suite 250
 Minneapolis, MN 55415 Voice: 612-727-5220
 FAX: 612-727-5223



5G1B Net Schedule

6:30PM 4007 kHz USB

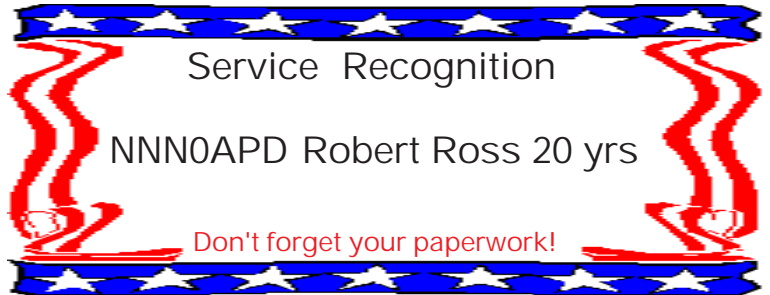
Day	NECOS	Tfc Rep
Sun.	XYA	XEE
Mon.	XEE	XEE
Tue.	BQH	BQH
Wed.	KZC	KZC
Thu.	SXU	SXU
Fri.	???	OCF

Sat. Rotating Duty (see below)

Don't be bashful, if the net has not been called by the net control station within 2 minutes, jump in and start things rolling.



NNN0JAY Cal Fuhrman 6/21



Saturday NECOS / TREP Schedule

	NECOS	TREP
May 30	SXU	SXU
Jun 6	XYA	XEE
Jun 13	XEE	XEE
Jun 20	BQH	BQH
Jun 27	KZC	KZC
Jul 4	SXU	SXU
Jul 11	XYA	XEE
Jul 18	XEE	XEE
Jul 25	BQH	BQH

"The easiest thing to decide is what you'd do in someone else's shoes."

Ella Quince

Remembrance Day Observance



NEW YORK (May 22, 2009) Sailors assigned to the guided-missile cruiser USS Vella Gulf (CG 72) place a new headstone for a World War I veteran at Lake Cemetery in Staten Island. Lake Cemetery held a Remembrance Day celebration and invited Sailors participating in Fleet Week New York City 2009 to help recognize Civil War, World War I and World War II veterans interned at the cemetery. Approximately 3,000 Sailors, Marines and Coast Guardsman will participate in the 22nd commemoration of Fleet Week New York. This event will provide the citizens of New York City and the surrounding tri-state area an opportunity to meet service members and also see the latest capabilities of today's maritime services.

Test Your Analytical Skills

What number goes in the empty spot?

Courtesy of The Electron, Cleveland Institute of Electronics

What number from the bottom row goes in the empty spot and why?

- 5, 4, 7, (4)
- 4, 3, 2, (3)
- 2, 1, 1, (2)
- 9, 8, 8, (?)

Answer in the next issue of the Minnesota MARSGRAM

Solution for May Test

One Half, ETC

What is the number that is one-fifth of one-sixth of one-tenth of one half of 3,000?

Answer: 5

(3000/2 = 1500; /10 = 150; /6 = 25; /5 = 5)