

WISCONSIN

NETS

ASSOCIATION

LTD.

MANUAL

Wisconsin Nets -- WNA Affiliated

BWN	Badger Weather Net	daily	6:00 a.m.	3982.5KHz
BEN	Badger Emergency Net	daily	12:00 noon	3985KHz
WSBN	Wisconsin Sideband Net	daily	5:00 p.m.	3985KHz
WNN	Wisconsin Novice Net	daily	6:00 p.m.	3555KHz
WSSN	Wisconsin Slow Speed Net daily	daily	6:30 p.m.	3555KHz
WIN/E	Wis.Intrastate Net/Early	daily	7:00 p.m.	3555KHz
WIN/L	Wis.Intrastate Net/Late	daily	10:00 p.m.	3555KHz
WRACES	Wis. ARES/RACES Net	Sunday	8:00 a.m.	3967 KHz

All times are local

APPENDIX B

RADIOGRAM RADIOGRAM RADIOGRAM
VIA AMATEUR RADIO

NR PR HX STA OF ORIG CK PLACE OF ORIG TIME FILED DATE

 | 5 | R | G | W9ABC | 12 | ANYTOWN WI | 1234Z | 21 FEB |

TO:
 MR JOHN Q PUBLIC
 1234 MAIN ST
 SOMEWHERE IL 61006
 815-555-1212

HI	JOHN	X	I	AM
ENJOYING	THE	SKIING	IN	WIS.
X	73			

JIM AND HELEN

| RX W9ABC 21 FEB 94 1234Z | TX K9DHR 21 FEB 94 1814Z |

APPENDIX C

ARRL Radiogram Blank Form

RADIOGRAM RADIOGRAM RADIOGRAM
VIA AMATEUR RADIO

NR PR HX STA OF ORIG CK PLACE OF ORIG TIME FILED DATE

| | | | | | | | | | | |

TO:

| RX | TX |

FSD-3

Relief Emergency - Routine Messages

Recommended Precedences

The letters ARL are inserted in the preamble in the check and in the text before spelled out numbers, which represent texts from this list. Note that some ARL texts include insertion of numerals and text. Example: NR 1 R W1AW ARL 5 NEWINGTON CONN. DEC 25 DONALD R. SMITH AA 164 EAST SIXTH AVE AA NORTH RIVER CITY MO AA PHONE 73-3968 BT ARL FIFTY ARL SIXTY ONE BT DIANA AR. For additional information about traffic handling, consult *The ARRL Operating Manual*, published by ARRL, or the *NTS Methods and Practices Guidelines*, <http://www.arrl.org/appendix-b-nts-methods-and-practices-guidelines>

Group One—For Possible “Relief Emergency” Use

ONE	Everyone safe here. Please don't worry.
TWO	Coming home as soon as possible.
THREE	Am in _____ hospital. Receiving excellent care and recovering fine.
FOUR	Only slight property damage here. Do not be concerned about disaster reports.
FIVE	Am moving to new location. Send no further mail or communication. Will inform you of new address when relocated.
SIX	Will contact you as soon as possible.
SEVEN	Please reply by Amateur Radio through the amateur delivering this message. This is a free public service.
EIGHT	Need additional _____ mobile or portable equipment for immediate emergency use.
NINE	Additional _____ radio operators needed to assist with emergency at this location.
TEN	Please contact _____. Advise to standby and provide further emergency information, instructions or assistance.
ELEVEN	Establish Amateur Radio emergency communications with _____ on _____ MHz.
TWELVE	Anxious to hear from you. No word in some time. Please contact me as soon as possible.
THIRTEEN	Medical emergency situation exists here.
FOURTEEN	Situation here becoming critical. Losses and damage from _____ increasing.
FIFTEEN	Please advise your condition and what help is needed.
SIXTEEN	Property damage very severe in this area.
SEVENTEEN	REACT communications services also available. Establish REACT communication with _____ on channel _____.
EIGHTEEN	Please contact me as soon as possible at _____.
NINETEEN	Request health and welfare report on _____. (State name, address and telephone number.)
TWENTY	Temporarily stranded. Will need some assistance. Please contact me at _____.

- TWENTY ONE Search and Rescue assistance is needed by local authorities here. Advise availability.
- TWENTY TWO Need accurate information on the extent and type of conditions now existing at your location. Please furnish this information and reply without delay.
- TWENTY THREE Report at once the accessibility and best way to reach your location.
- TWENTY FOUR Evacuation of residents from this area urgently needed. Advise plans for help.
- TWENTY FIVE Furnish as soon as possible the weather conditions at your location.
- TWENTY SIX Help and care for evacuation of sick and injured from this location needed at once.
- Emergency/priority messages originating from official sources must carry the signature of the originating official.

Group Two—Routine Messages

- FORTY SIX Greetings on your birthday and best wishes for many more to come.
- FORTY SEVEN Reference your message number _____ to _____ delivered on _____ at _____ UTC.
- FIFTY Greetings by Amateur Radio.
- FIFTY ONE Greetings by Amateur Radio. This message is sent as a free public service by ham radio operators at _____. Am having a wonderful time.
- FIFTY TWO Really enjoyed being with you. Looking forward to getting together again.
- FIFTY THREE Received your _____. It's appreciated; many thanks.
- FIFTY FOUR Many thanks for your good wishes.
- FIFTY FIVE Good news is always welcome. Very delighted to hear about yours.
- FIFTY SIX Congratulations on your _____, a most worthy and deserved achievement.
- FIFTY SEVEN Wish we could be together.
- FIFTY EIGHT Have a wonderful time. Let us know when you return.
- FIFTY NINE Congratulations on the new arrival. Hope mother and child are well.
- *SIXTY Wishing you the best of everything on _____.
- SIXTY ONE Wishing you a very Merry Christmas and a Happy New Year.
- *SIXTY TWO Greetings and best wishes to you for a pleasant _____ holiday season.
- SIXTY THREE Victory or defeat, our best wishes are with you. Hope you win.
- SIXTY FOUR Arrived safely at _____.
- SIXTY FIVE Arriving _____ on _____. Please arrange to meet me there.
- SIXTY SIX DX QSLs are on hand for you at the _____ QSL Bureau. Send _____ self addressed envelopes.

SIXTY SEVEN Your message number _____ undeliverable because of _____. Please advise.

SIXTY EIGHT Sorry to hear you are ill. Best wishes for a speedy recovery.

SIXTY NINE Welcome to the _____. We are glad to have you with us and hope you will enjoy the fun and fellowship of the organization.

* Can be used for all holidays.

ARRL Recommended Precedences

Please observe the following ARRL provisions for PRECEDENCES in connection with written message traffic. These provisions are designed to increase the efficiency of our service both in normal times and in emergency.

EMERGENCY--Any message having life and death urgency to any person or group of persons, which is transmitted by Amateur Radio in the absence of regular commercial facilities. This includes official messages of welfare agencies during emergencies requesting supplies, materials or instructions vital to relief of stricken populace in emergency areas. During normal times, it will be *very rare*. On CW/RTTY, this designation will *always* be spelled out. When in doubt, do not use it.

PRIORITY--Use abbreviation P on CW/RTTY. This classification is for a) important messages having a specific time limit b) official messages not covered in the emergency category c) press dispatches and emergency-related traffic not of the *utmost* urgency d) notice of death or injury in a disaster area, personal or official.

WELFARE--This classification, abbreviated as W on CW/RTTY, refers to either an inquiry as to the health and welfare of an individual in the disaster area or an advisory from the disaster area that indicates all is well. Welfare traffic is handled only after all emergency and priority traffic is cleared. The Red Cross equivalent to an incoming Welfare message is DWI (Disaster Welfare Inquiry).

ROUTINE--Most traffic in normal times will bear this designation. In disaster situations, traffic labeled Routine (R on CW/RTTY) should be handled last, or not at all when circuits are busy with higher precedence traffic.

Note--the precedence always follows the message number. For example, a message number may be 207R on CW and "Two Zero Seven Routine" on phone.

APPENDIX E

ARRL QN SIGNALS FOR CW NET USE

QNA* Answer in prearranged order. QNB* Act as relay between ... and ...

QNC All net stations Copy. QND* The net is directed. QNE* The entire net stand by.

QNF The net is secured. (Finished)

QNG Assume net control. (Take over the net) QNH Your frequency is high.

QNI Stations report in. (Check into net) QNJ Can you copy ... ?

QNK* Transmit messages for ... to ...

QNL Your frequency is low.

QNM* You are interfering with the net. QNN Net control station is.....
What station has net control? QNO I am leaving the net.

QNP I am unable to copy.

QNQ* Move to ... wait for ... and send traffic for ...

QNR* Answer ... and receive traffic for ...

QNS The following stations are in the net. QNU* There is traffic for you.

QNV* Establish contact with ... on frequency. If successful, move to ... and clear traffic for ...

QNW How do I route messages for ... ?

QNX You are excused from the net.

QNY* Move frequency to ...

QNZ Zero beat your signal with mine. *For use only by the Net Control Station.

Notes on Use of QN Signals

The QN signals listed above are special ARRL signals for use in amateur cw nets *only*. They are not for use in casual amateur conversation. Other meanings that may be used in other services do not apply. Do not use QN signals on phone nets. *Say it with words*. QN Signals need not be followed by a question mark, even though the meaning may be interrogatory.

INTERNATIONAL "Q" SIGNALS

A Q signal followed by a ? asks a question. A Q signal without the ? answers the question affirmatively, unless otherwise indicated.

QRA	What is the name of your station?	QSG	Shall I send....messages at a time?
QRG	What's my exact frequency?	QSK	Can you work break-in?
QRH	Does my frequency vary? (1 - 3)	QSL	Can you acknowledge receipt?
QRK	What is my signal intelligibility? (1 - 5)	QSM	Shall I repeat the last message sent?
QRL	Are you busy?	QSO	Can you communicate with....direct?
QRM	Is my transmission being interfered with?	QSP	Will you relay to...?
QRN	Are you troubled by static?	QSV	Shall I send a series of V's?
QRO	Shall I increase transmitter power?		
QRP	Shall I decrease transmitter power?		
QRQ	Shall I send faster?		
QRS	Shall I send more slowly?		
QRT	Shall I stop sending?		
QRU	Have you anything for me? (Answer is negative.)		
QRV	Are you ready?		
QRW	Shall I tell....you're calling him?		
QRX	When will you call me again?		
QRZ	Who is calling me?		
QSA	What is my signal strength (1 - 5)		
QSB	Are my signals fading?		
QSD	Are my signals mutilated?		
QSW	Will you transmit on...?		
QSX	Will you listen for...on..?		
QSY	Shall I change frequency?		
QSZ	Shall I send each word/group more than once? (Answer, send twice or...)		
QTA	Shall I cancel number....?		
QTB	Do you agree with my word count? (Answer negative.)		
QTC	How many messages have you to send?		
QTH	What is your location?		
QTR	What is your time?		
QTV	Shall I stand guard for you?		
QTX	Will you keep your station open?		
QUA	have you news of...?		

ITU Phonetic Alphabet

Word list adopted by the International Telecommunication Union

A	ALFA
B	BRAVO
C	CHARLIE
D	DELTA
E	ECHO
F	FOXTROT
G	GOLF
H	HOTEL
I	INDIA
J	JULIET
K	KILO
L	LIMA
M	MIKE
N	NOVEMBER
O	OSCAR
P	PAPA
Q	QUEBEC
R	ROMEO
S	SIERRA
T	TANGO
U	UNIFORM
V	VICTOR
W	WHISKEY
X	X-RAY
Y	YANKEE
Z	ZULU

APPENDIX F

Common Abbreviations, ProSigns, ProWords

CLR clear

CITIES

EC	Eau Claire
FONDY	Fond du Lac
GB	Green Bay
KEN	Kenosha
LAX	La Crosse
MILW	Milwaukee
MSN	Madison
RAC	Racine
RPDS	Wisconsin Rapids
STPT	Stevens Point

SALUTATIONS

BCNU	be seeing you
CUL	see you later
GA	good afternoon
GE	good evening
GL	good luck
GM	good morning
GN	good night
HI	hello

ABBREVIATIONS, PROSIGNS, PROWORDS

AA	all after, end of adr line
AB	all before
ABBREV	abbreviation
ABT	about
ABV	above
ADEE	addressee
ADR	address
AGN	again
AR	end of message
AS	wait
AW	dismay
B	I have more traffic
BIZ	business, tfc
BK	break
BN	between
BT	double dash
C	correct, yes
CFM	confirm
CK	check

ABBREV.,PROS.,PROW. CONT'D

CPY	copy
CTY	city
D, DN	down
DIFF	different(ence)
E	emergency
ES	and
FB	fine business
FREQ	frequency
G, GG	going
GA	go ahead
HPN(D)	happen(ed)
HPY	happy
HR	hear, here
HV	have
HW	how
K	invitation to transmit
MC/MX	merry christmas
MNI	many
MSG	message
NR	number
ORIG	origin
P	priority
PMBL	preamble
RCVD	received
RMBR	remember
R	roger, received, routine, dec. pt.
SIG	signature
STN	station
SVC	service
TEL	telephone
TNX	thanks
TU	thank you
U	up
W	welfare
WA	word after
WB	word before
WRD(S)	Word(s)
X	replaces period in text
ZIP	zipcode

APPENDIX G

Net Preamble Examples

CW Nets

CQ WIN CQ WIN THIS IS THE WISCONSIN INTRASTATE NET A TRAFFIC NET OF WNA LTD AND THE ARRL NTS QND QNN (YOUR CALL SIGN) PSE QNZ NOW PSE QNA 9RN REP DE (YOUR CALL SIGN).

Phone Nets

CALLING THE (NET NAME) CALLING THE (NET NAME). THIS IS YOUR NET CONTROL FOR TODAY, (YOUR CALL), AND I'M LOCATED IN (YOUR CITY) WISCONSIN IN THE (WHERE) PART OF THE STATE.

THE NET IS AN AFFILIATE OF THE NATIONAL TRAFFIC SYSTEM AND THE WISCONSIN NETS ASSOCIATION LIMITED. IT MEETS DAILY ON OR ABOUT 3985 KHZ (OR _____) DEPENDING UPON CONDITIONS AT _____ LOCAL TIME.

THE PURPOSE OF THIS NET IS TO HANDLE ALL LEGAL TRAFFIC TO, WITHIN AND FROM THE STATE OF WISCONSIN USING STANDARD ARRL MESSAGE FORMAT. IT IS A DIRECTED NET; THEREFORE, ALL COMMUNICATIONS ON THE FREQUENCY ARE CONDUCTED AT THE DISCRETION OF THE NET CONTROL STATION. WHEN YOU CHECK IN, JUST SAY "TRAFFIC" OR "NO TRAFFIC." GIVE ME ITS DESTINATION WHEN I ACKNOWLEDGE YOU.

THOSE OPERATORS WHO WANT TO BECOME NET MEMBERS MAY CONTACT THE NET CONTROL STATION OR THE NET MANAGER WHO IS (GIVE HIS NAME AND CALL).

AGAIN THIS IS THE (NAME OF NET), MY CALL IS (YOUR CALL) AND MY NAME IS (YOUR NAME).

1. ARE THERE ANY STATIONS ON FREQUENCY WITH EMERGENCY, PRIORITY, OR TIME VALUE TRAFFIC? ANY RELAYS?
2. IS THERE A STATION GOING TO (OR COMING FROM) NINTH REGION?
3. IS THERE A STATION COMING FROM (OR GOING TO) WIN?
4. ARE THERE STATIONS WITH FORMAL WRITTEN TRAFFIC ? PLEASE CALL (YOUR CALL).
5. ARE THERE ANY MOBILES WISHING TO CHECK INTO THE (NAME OF NET) WITH OR WITHOUT TRAFFIC? ANY RELAYS?
6. THE NET IS NOW OPEN TO ALL STATIONS WITH OR WITHOUT TRAFFIC.

PLEASE LISTEN BEFORE TRANSMITTING TO AVOID DOUBLING. PLEASE CALL (YOUR CALL).

DEPENDING ON CONDITIONS, YOU COULD ASK A STATION ELSEWHERE IN THE STATE TO PUT OUT A NET CALL AND PICK UP THOSE STATIONS YOU ARE UNABLE TO COPY. USE THIS OPTION SPARINGLY.

AT YOUR DISCRETION, AND DEPENDING UPON HOW BUSY THE NET IS, YOU MIGHT WANT TO ASK NET MEMBERS FOR COMMENTS. KEEP THE NET GOING FOR AT LEAST FIFTEEN MINUTES, IF POSSIBLE.

THIS CONCLUDES THIS SESSION OF THE (NAME OF NET). YOUR NET CONTROL STATION (YOUR CALL) THANKS ALL FOR PARTICIPATING AND REMIND YOU TO DO SO OFTEN. 73 -- THE NET IS CLEAR.

NOTE: THE ABOVE NET PREAMBLES ARE EXAMPLES. EACH NET MANAGER CAN PRESCRIBE HIS OWN.

APPENDIX H

A. Uploading NTS Traffic.

- 1) cmd:C WD9ANY <ENTER>
- 2) cmd:*** CONNECTED to WD9ANY's MSYS BBS in New Berlin, WI
- 3) Enter command: A,B,C,D,G,H,I,J,K,L,M,N,P,R,S,T,U,V,W,X,?,* >
- 4) ST 64079 @ NTSMO <ENTER>
- 5) Enter title if local, CITY STATE & POSTAL CODE if not local:
- 6) 1 PLATTE CITY MO 64079 816-431
- 7) Enter text, end with ^Z or /EX, ^A to abort
- 8) NR 1000R HXG W9YCV 12 GREENFIELD WI FEB 9 <ENTER>
- 9) WILLIAM SELL W0BPP <ENTER>
- 10) RT 3 1717 4TH ST <ENTER>
- 11) PLATTE CITY MO 64079 <ENTER>
- 12) 816-431-2466 <ENTER>
- 13) BT <ENTER>
- 14) HI BILL A TEST MESSAGE <ENTER>
- 15) WILL EXPLAIN ON SKED X <ENTER>
- 16) VERY 73 <ENTER>
- 17) BT <ENTER>
- 18) LES W9YCV <ENTER>
- 19) ^Z <ENTER>
- 20) MSG 64827 saved
- 21) Enter Command: A,B,C,D,G,H,I,J,K,L,M,N,P,R,S,T,U,V,W,X,?,* >
- 22) B <ENTER>
- 23) W9YCV de WD9ANY: 73 --- Robert
- 24) *** DISCONNECTED [02/09/93 20:23:41:]

B. Explanation of above.

- 1) Connecting to the BBS
- 2) BBS responds
- 3) BBS prompts
- 4) Your response to the prompts
- 5) BBS instructs you
- 6) Your response
- 7) BBS instructs you
- 8) through 18) the normal A.R.R.L. message format
- 19) Control Z
- 20) BBS responds giving you the number it has been assigned on the BBS.
- 21) BBS responds with prompts again
- 22) Your response B (which means bye)
- 23) BBS responds with the disconnect message
- 24) Your system shows the disconnected state with date and time.

NOTES: (1) The NTS message, as illustrated by line items 8 through 18, could have been saved in a transmit message buffer in advance under a file name. You would send it after receiving the prompt shown in line 7).

(2) After receiving the BBS responses in lines 20) & 21), you could have read the message back by responding with the command R 64827 (which means read message 64827). After a little pause, the message would appear on your screen. It would be followed with another prompt line and then you would select the B command to exit the BBS.

(3) Select H (help) from the letter prompts illustrated in line 21) to get information on how the BBS functions.

C. Downloading NTS Traffic.

- 1) C WA9KEC <ENTER>
- 2) cmd:*** CONNECTED to WA9KEC [06/07/93 14:52:18]
[MSYS-1.14-BFMHI\$]
Hello Les, Welcome to WA9KEC's MSYS BBS in North Prairie

When connecting to the BBS, please type "LT" to see if there is any NTS Traffic that you can handle for your area, this will help in moving these messages in a much faster way.....After delivering the traffic, kill it by using the cmd "KT" (msg number).....Thanks de/WA9KEC

Enter command: A,B,C,D,G,H,I,J,K,L,M,N,P,R,S,T,U,V,W,X,Y,?,* >

- 3) LT <ENTER>
- 4) MSG # TR SIZE TO FROM @BBS DATE TITLE
48026 TN 755 N7NEI WA9TOZ N7NEI 930526 RON-
SEATTLE.WA.

Enter command: A,B,C,D,G,H,I,J,K,L,M,N,P,R,S,T,U,V,W,X,Y,?,* >

- 5) B <ENTER>
- 6) W9YCV de WA9KEC: 73 --- Hawk
*** DISCONNECTED [06/07/93 14:52:45]

D. Explanation of above

- 1) Connecting to the BBS
- 2) BBS responds
- 3) Issued list command
- 4) BBS listed traffic
- 5) Disconnecting from BBS
- 6) BBS responds

Notes: (1) The above message is going out of state therefore a Wisconsin packet station normally would not remove it from the BBS.

(2) TN in the listing indicates it has not been forwarded as yet. If this had been a Wisconsin message and had a TF, the message has been forwarded to another BBS (in Wisconsin presumably). Therefore, it is not to be removed. A message with a TN for an area where you can either deliver it or put it into a cw or phone net, should be retrieved and "killed" on the BBS.

E. The following illustrates the process when the BBS does not have NTS traffic.

- 1) C WB9TYT <ENTER>
- 2) cmd:*** CONNECTED to WB9TYT [06/07/93 14:51:06]
[MSYS-1.14-BFMHI\$]
>
- 3) LT <ENTER>
- 4) *** None found
>
- 5) B <ENTER>
- 6) W9YCV de WB9TYT: 73 --- Dan
*** DISCONNECTED [06/07/93 14:51:25]

F. The procedure for entering a packet message onto a BBS is as follows:

- 1), 2) & 3) same as for NTS.
- 4) SP (or S) WK9K @ WB9TYT.WI.USA.NA <(ENTER>)
- 5) Same response as for NTS.
- 6) DX Bulletin (or -- QTC 1 Ogdenville WI 53000) <ENTER>
- 7) Same response as for NTS.
- 8) HI GINGER PLEASE GIVE THIS TO ALAN PHONE NR 901-788-9670. HOW HAVE YOU BEEN? SEE YOU ON NEXT SKED. 88 DE LES, W9YCV @ WD9ANY.WI.USA.NA
- 9) CONTROL Z <(ENTER>)
- 10) Remainder is the same as 20) through 24).

APPENDIX I

Third-Party and Reciprocal Agreements -- Country List

These agreements permit U.S. amateurs to handle message traffic between each other. The following countries have entered into reciprocal operating and/or third-party agreements with the United States. The list which follows was updated based on information contained in the 1993 call book. Keep in mind the changing political situation of the world today. Check carefully before you enter any arrangements to pass international third party traffic either by message or phone patch.

COUNTRY	PREFIX	R	T
Antigua and Barbuda	V2	*	*
Argentina LU	*	*	
AustraliaVK *	*		
Austria OE *			
The Bahamas	C5A	*	
Barbados 8P5	*		
Belgium ON *			
Belize V3	*	*	
Bolivia CP *	*		
Botswana A2	*		
Brazil PP-PY	*	*	
Canada VE	(1)	*	
Chile CE	*	*	
Columbia HK	*	*	
Comoros D6		*	
Costa Rica TI	*	*	
Cuba	CM,CO		*
Cyprus 5B	*		
Denmark/Greenland	OZ	(2)	
Dominica J7	*	*	
Dominican Republic	HI	*	*
Ecuador HC *	*		
El Salvador YS	*	*	
Federated States of Micronesia	V6	*	*
Fiji Islands 3D2	*		
Finland OH *			
France F	(3)		
The Gambia C5	*		
Germany DA-DR	*		
Ghana 9G		*	
Greece SV	*		
Grenada & Dependencies	J3	*	*
Guatemala TG	*	*	
Guyana 8R	*	*	
Haiti HH *	*		
Honduras HR	*	*	
Hong Kong VS6	*		
Iceland TF *			
India VU	*		
Indonesia YB-YH	*		
Republic of Ireland	EI	*	
Israel 4X,4Z	*	*	
Italy I *			
ITU, Geneva4U1ITU		*	

ITU, Vienna	4U1VIC		*	
Jamaica	6Y *	*		
Japan	JA-JS	*		
Jordan	JY	*	*	
Kiribati	T3 *			
Kuwait	9K	*		
Liberia	EL *	*		
Luxembourg	LX	*		
Mexico	XE	*	*	
Monaco	3A			
Netherlands	PA-PI	*		
Netherlands Antilles		PJ	*	
New Zealand		ZL	*	
Nicaragua	YN	*	*	
Norway	LA	*		
Panama	HP	*	*	
Papua New Guinea		P2	*	
Paraguay	ZP	*	*	
Peru		OA	*	*
Philippines	DU	*	*	
Portugal	CT1-4	*		
St. Kitts & Nevis Islands		V4	*	
St. Lucia	J6 *	*		
St. Vincent & The Grenadines		J8	*	*
Republic of Seychelles		S7	*	
Sierra Leone		9L	*	*
Solomon Islands		H4	*	
Republic of South Africa		ZR,ZS	*	
Spain	EA-EH	*		
Suriname	PZ	*		
Swaziland	3D6	*		
Sweden	SJ-SM	*		
Switzerland	HB	*	(4)	
Thailand	H5 *			
Trinidad & Tobago		9Y	*	*
Tuvalu Islands		T2	*	
United Kingdom		G	(5)	(6)
Uruguay	CX *	*		
Venezuela	YV	*	*	

APPENDIX J

Examples of MARS to Amateur and Amateur to MARS Refiles

A. Message as received via the MARS Data System:

```

DE UNK 001
T
R 161707Z FEB 9
FM PVT J D SMITH SAN DIEGO CA/NNN0MSD SCA
TO M/M JOHN M SMITH
1234 MAIN ST
FARMERSBURG WI 54911
715-555-1212
BT
UNCLAS
NMAT ONE PVT J D SMITH USMC 399-00-000

```


PLT 1001 A CO 1ST RTBN MCRD
36000 MIDWAY AVE UNIT 1 SAN
DIEGO CA 92140-5121 NMAT
TWELVE
BT

NNNN

NOTE: This is the military format that the Navy Marine Corps MARS uses. Other MARS services may differ somewhat. Line one is the date time group. The R is the precedence -- Routine. There are other precedences used in MARS; however routine and priority are all that are commonly used in third party messages. Line two is relay instructions for MDS (Mars Data System) operators. Line three is the date time group. The format used is dd hh mm in utc or zulu time followed by the month and year. This is converted to the amateur format when refiled. Line four is the FROM line. This consists of the name, title, and location of the sender followed by the callsign and location of the sending station. Lines four, five, six and seven are the TO lines. They consist of the name, title (or rank), full address and telephone number of the addee. Line nine is a break, which is self-explanatory. Line ten is the military classification which is always unclassified for MARS messages. Lines eleven through fourteen are the text of the message. Note that there is no signature as such in MARS messages. Line fifteen is the final break. The final line is a series of four N's, which is a end of message function. Following on the next page is the same message refiled into amateur format.

RADIOGRAM RADIOGRAM RADIOGRAM
VIA AMATEUR RADIO

NR P HX ORIG STA CK PLACE OF ORIG TIME DATE

10 R KA9KLZ 18 SAN DIEGO CA VIA MARS 1707Z 16 FEB

TO:
M/M JOHN M SMITH
1234 MAIN ST
FARMERSBURG WI 54911
715-555-1212

ARRIVED SAFELY MARINE CORPS RECRUIT DEPOT SAN DIEGO CA REPLY VIA NAVY
MARINE CORPS MILITARY AFFILIATE RADIO SYSTEM

PVT J D SMITH USMC 399-00-0000
PLT 1001 A CO 1ST RTBN MCRD
36000 MIDWAY AVE UNIT 1
SAN DIEGO CA 92140-5121

RX MARS 16FEB93 1707Z | TX W9XYZ 16FEB93 1815Z

NOTE: You will notice that the text looks somewhat different in the refile than in the original MARS message. MARS uses an abbreviated text similar to the ARRL Numbered Radiograms. NMAT one translates into: Arrived safely Marine Corps Recruit Depot San Diego CA. NMAT twelve translates into: Reply VIA Navy Marine Corps Military Affiliate Radio System. When you hear experienced traffic handlers talking about the standard 18, this is what they are talking about. Other common MARS abbreviations used in the example are: PLT = Platoon, RTBN = Recruit Training Battalion, MCRD = Marine Corps Recruit Depot. Also, the 4 digit zip code extension is very important in the address. Each company has its own zip code and using the correct zip will expedite delivery of the message.

An answer to the previous example going the other way is illustrated on the next page.

RADIOGRAM RADIOGRAM RADIOGRAM
VIA AMATEUR RADIO

NR P HX ORIG STA CK PLACE OF ORIG TIME DATE

25 R W9XYZ 16 FARMERSBURG WI 2330Z 16 FEB

TO:
PVT J D SMITH USMC 399-00-0000
PLT 1001 A CO 1ST RTBN MCRD
36000 MIDWAY AVE UNIT 1
SAN DIEGO CA 92140-5121

RECEIVED YOUR ADDRESS X GLAD TO HEAR FROM YOU X WE MISS YOU AND
LOVE YOU

DAD AND MOM (MR JOHN M SMITH)*

RX W9XYZ 16FEB93 2315 | TX MARS 17FEB93 0015Z

NOTE: *Notice that the sender's full name and title is included as an operator's note. An example of the previous message refiled into MARS format follows:

DE UNK 002
T
R 170001Z FEB 93
FM MR JOHN M SMITH FARMERSBURG WI/NNN0UNK WI
TO PVT J D SMITH USMC 399-00-0000
PLT 1001 A CO 1ST RTBN MCRD
36000 MIDWAY AVE UNIT 1 SAN
DIEGO CA 92140-5121
BT
UNCLAS
1. NR 25 R W9XYZ FARMERSBURG WI 2330Z 16 FEB
2. RECEIVED YOUR ADDRESS GLAD TO HEAR FROM YOU WE MISS
YOU AND LOVE YOU MOM AND DAD
BT

NNNN

NOTE: Notice the full name with title in the FROM line. This is one requirement of Navy MARS. In the text, paragraph 1 is the preamble of the amateur message. This ensures that the message can be traced to its origin if necessary. The check is not used in military messages; therefore, it is not included in refiles. The X-rays are also omitted from the text. The signature is included in the text of the message when it is refiled. The more observant amateurs perhaps have noticed that the time (in the date-time group of the MARS message) is different from that in the amateur message. The time on a MARS message reflects when the message is entered into the MARS Data System, not when it was originally written.

SOME FINAL THOUGHTS

MARS operators are responsible until final delivery for the messages for which they have acknowledged receipt -- whatever the delivery method (refiles included.) If the MARS operator seems "picky" about with whom he refiles it that is because he wants to ensure its delivery. Or, the message is serviced back to him for delivery by another means. MARS operators try to refile with the most responsible and trustworthy amateur operators to ensure final delivery.

Refiles are valuable resources for both MARS and amateur radio operators. Many messages are delivered in much more timely fashion than if other alternative methods of delivery are used i.e. US Postal Service.

The MARS system extends a hearty "thank you" to all the dedicated amateur traffic handlers extending delivery of messages into regions not adequately covered by MARS.

NOTES:

- (1) No reciprocal operating permits are required between Canada and the United States.
- (2) Also applies to Greenland
- (3) Also applies to French Guiana, French Polynesia (Gambier, Marquesas, Society, and Tubuai islands, plus Tuamotu Archipelago), Guadeloupe, Ile Amsterdam, Ile Saint Paul, Iles Crozet, Iles Kerguelan, Martinique, New Caledonia, Reunion, Saint Pierre and Miquelon, plus Wallis and Futuna Islands.
- (4) USA/ITU agreement authorizes third-party traffic to be exchanged between the USA and 4U1ITU (Geneva, Switzerland) and 4U1VIC (Vienna, Austria).
- (5) Reciprocal licensing also applies to Bermuda, British Virgin Islands, Cayman Islands, Falkland Islands, Gibraltar, Montserrat, Saint Helena, plus Turks and Caicos Islands.
- (6) Third-party traffic may be exchanged with United Kingdom special events stations (GB prefixes), except stations with the GB3 prefix.

APPENDIX K

Wisconsin Nets Association, Limited

Constitution

ARTICLE ONE - NAME

Section 1. The name of this organization shall be the Wisconsin Nets Association, Limited (Also known as the W.N.A.), a non-stock, non-profit organization.

ARTICLE TWO - PURPOSE

The purpose of this organization shall be:

Section 1. To lend such aid as is possible in developing the amateur radio nets within the State of Wisconsin along progressive lines.

Section 2. To promote friendly cooperation among the amateur radio nets within Wisconsin and other nets in adjacent states.

Section 3. To take a general interest in all matters involving amateur radio nets and to take such action as may be deemed necessary.

Section 4. To provide a means through which members of affiliated nets may present a united front on matters of interest to them.

Section 5. To sponsor a supporting group of amateurs to be known as the W.N.A. Boosters.

Section 6. To promote, hold, and sponsor activities as deemed necessary by the Board.

ARTICLE THREE - MEMBERSHIP

Section 1A. The Badger Emergency Net (BEN), the Wisconsin Intrastate Net (WIN) and the Wisconsin Slow Speed Net (WSSN) shall constitute charter members of the W.N.A.

Section 1B. The Wisconsin Sideband Net (WSBN) was admitted to the W.N.A. on October 13, 1963.

Section 1C. The Badger Weather Net (BWN), a new designation of the morning session of the BEN was admitted to the W.N.A. on January 1, 1968.

Section 1D. The Wisconsin Intrastate Net Late Session (WIN/L) was admitted to the W.N.A. on August 1, 1972.

Section 1E. The Wisconsin Novice Net (WNN) was admitted to the W.N.A. on September 7, 1974.

Section 1F. The North Woods Traffic Net (NWTN) was admitted to the W.N.A. on September 11, 1981.

Section 1G. The West Central Wisconsin Traffic Net (WCWTN) was admitted to the W.N.A. on September 11, 1982.

Section 2A. Any statewide net holding regular sessions and approved by the Wisconsin Section Manager (SM) shall be eligible for membership in the W.N.A.

Section 2B. A net having wide coverage within the state shall be eligible by meeting the following requirements:

1. It shall maintain liaison with other NTS nets.
2. It shall include coverage of more than one county.
3. It shall meet probationary requirements as set by the W.N.A.
4. It shall be approved for membership in writing by two-thirds of the W.N.A. voting members.

Section 3. Any net applying for membership shall, by its rules of order, include an agreement to abide by the Constitution and By-laws of the W.N.A. and shall confer upon the delegate meetings of this organization the necessary authority to act for and in behalf of such a net on any and all matters properly brought before the W.N.A.

Section 4. Any net, after fulfilling the requirements as stipulated in Section 2 of the Article, shall present to the W.N.A., at a regular meeting, a formal application for W.N.A. membership in writing, giving such information as may be required.

Section 5A. Each affiliated HF net shall be entitled to two (2) appointed delegates. Each VHF net shall be entitled to one (1) appointed delegate. No individual shall serve as a delegate for more than one net at the same time. All delegates must hold current certification as members of the net which they represent. Delegates will represent their nets at all regular and special meetings of the W.N.A. All delegates are appointed by the net manager.

Section 5B. If a delegate is unable to attend any meeting, he shall be empowered to select an alternate from the members of the net which he represents to represent him and the members of that net at that meeting.

Section 6. Any member may be dropped from membership for good cause. Before a net's membership is revoked, the matter shall be discussed at a regular meeting of the W.N.A. and the subject tabled until the next regular meeting. A notice of such action shall be sent to the delegates of each affiliated net. At the next regular meeting, when the matter is to be voted upon, the delegates of the net under discussion shall be invited to attend and enter into the discussion. An affirmative vote of two-thirds (2/3) of all votes represented by the W.N.A., exclusive of the votes of the net under discussion, shall be necessary for expulsion.

Section 7. Any member net shall have the right to withdraw from the W.N.A. upon appropriate action. The W.N.A. shall be notified in writing of such action.

Section 8. Upon expulsion or voluntary withdrawal from the W.N.A., a net forfeits its rights to membership and any interest in the funds or properties of the W.N.A.

Section 9. A member net, inactive for four (4) months, will forfeit W.N.A. membership. The net must meet all requirements when applying for membership upon reactivation.

Section 10. The Section Manager (SM), the Section Emergency Coordinator (SEC), the Section Traffic Manager (STM), the Bulletin Manager (BM) and the Net Managers of each net shall always be delegates of this organization and shall have one vote each. The SM, SEC, STM, BM, and net managers shall not be included under the provisions of Section 5A of this Article.

ARTICLE FOUR - OFFICERS

Section 1. The officers of the W.N.A. shall consist of a Chairman, a Secretary, a Treasurer, and a Training Officer. The Chairman, Secretary, and Treasurer shall be elected by a majority vote of the delegates. The Training Officer shall be the STM unless otherwise designated by the SM and installed as a W.N.A. officer upon majority approval of the delegates. Three additional directors, members-at-large shall also be elected by a majority of the delegates.

Section 2. Said officers must be delegates from an affiliated net at the time of their election and will hold office for a period of two years.

Section 3. The SM, SEC, STM, and BM will not hold the office of chairman, secretary, or treasurer of the W.N.A. The Board of Directors shall be the W.N.A. chairman, W.N.A. Secretary, W.N.A. Treasurer, and three (3) members to be elected at large.

Section 4. All vacancies occurring between elections for any office will be filled by the Board of Directors' appointment before the next regularly scheduled meeting after the meeting at which the withdrawal or resignation is announced. The appointee will serve the remainder of the term.

Section 5. An officer may be removed from office for cause by a majority vote of the Board of Directors following written notice to the officer at least thirty (30) days previous to a hearing concerning the removal.

ARTICLE FIVE - AMENDMENTS

Section 1. This Constitution may be amended as follows: Proposed amendments shall be submitted in writing at a regular or special meeting, provided that notice is given of the intent and purpose of such meeting. The proposed amendment shall be tabled after proper disclosure until the next regular meeting. Notice of the proposed amendment shall be sent to the Chairman, the Secretary, and to the delegates of each affiliated net starting the change. Notice of the meeting at which the amendment will be voted upon shall be given to all concerned not less than fourteen (14) days prior to such meeting.

Section 2. An affirmative vote of two-thirds (2/3) of the total votes represented in the W.N.A. shall be necessary to amend this Constitution.

ARTICLE SIX - MISCELLANEOUS

Section 1. A majority, as defined by this Constitution and By-Laws shall be one (1) vote more than half (1/2) of the votes present.

Section 2. Business may be transacted by mail in lieu of a special meeting, if it is deemed advisable by the Chairman.

Section 3. For the purpose of voting, transacting business, or deciding any issue, during a regular or special meeting, a minimum of five (5) members shall constitute a quorum, except as otherwise provided in these Articles.

Section 4. The annual meeting and election of W.N.A. officers shall take place at the regularly scheduled September meeting.

ARTICLE ONE - ORDER OF BUSINESS

Section 1A. At all regular meetings of the W.N.A., the order of business shall be as follows:

- (1st) Roll call and call to order
- (2nd) Reading and approval of minutes of previous regular meeting and any special meeting(s)
- (3rd) Reading and approval of Treasurer's report
- (4th) Reports from Chairman, Secretary, Section Manager (SM), Section Traffic Manager (STM), and Section Emergency Coordinator (SEC).
- (5th) Net Managers' Reports
- (6th) Reports of Committees
- (7th) Unfinished Business
- (8th) New Business
- (9th) Adjournment

Section 1B. At any special meeting, the order of business will be limited to the following:

- (1st) Roll call and call to order
- (2nd) Purpose for which the special meeting has been convened, by whom requested, and agenda items to be considered
- (3rd) Business of the special agenda
- (4th) Adjournment

Section 2. The order of business of Section 1A above may be suspended by a majority vote of the total number of votes represented at the particular meeting in question.

ARTICLE TWO - MEETINGS

Section 1. Meetings shall be held quarterly, i.e. during the months of March, June, September, and December. The exact date, time, and place shall be designated by the Chairman or decided at a previous W.N.A. meeting.

Section 2A. A special meeting may be convened by the Chairman or by the Chairman at the written request of the managers of any two of the member nets. The written request shall be signed by the net managers concerned and mailed to the Chairman and Secretary. The request will indicate the reason for the request for a special meeting, the agenda items to be considered, and may recommend a date and time. The date and time for the special meeting will be set by the Chairman and shall be within twenty-one (21) days of the receipt of the request.

Section 2B. Should a Net Manager find it impossible to participate in a special meeting which he has requested, he shall empower a delegate from his net to act and participate for him. All nets which have requested a special meeting must be represented by the manager or his empowered delegate or the special meeting will be adjourned without conducting any business.

Section 3. Notice of all regular meetings or special meetings shall be sent to all delegates not less than seven (7) days, nor more than then (10) days prior to such meeting except when voting is to take place at the meeting on amendments to the Constitution or By-Laws (See ARTICLE FIVE of the Constitution and ARTICLE TWELVE of the By-Laws).

ARTICLE THREE - VISITORS

Section 1. Whenever the W.N.A. delegates desire to go into executive session, they may do so upon majority vote, whereupon the meeting shall be opened to authorized delegates only.

Section 2. Visitors may not vote nor may they take part in the discussion except by majority vote of the total votes represented at that meeting.

ARTICLE FOUR - DELEGATES

Section 1. The Manager or Secretary of each affiliated net shall notify the W.N.A. Secretary, as soon after certification of membership as possible, of the names, calls, addresses, and telephone numbers of all duly authorized W.N.A. delegates. Notice shall also be given of any changes in delegates.

ARTICLE FIVE - ELECTION OF OFFICERS

Section 1. Officers for the ensuing years may be nominated by mail prior to the September meeting, or may be nominated from the floor during that annual meeting. The Training Officer shall be the STM unless otherwise designated by the SM.

Section 2. Announcement of the complete slate so nominated, as specified in Section 1 of this Article, shall be included in the minutes of the annual meeting.

Section 3. Election of the W.N.A. officers for the ensuing years shall be by secret ballot at the annual meeting from among those nominated in accordance with Section 1 of this Article. Ballots shall be cast for the office of Chairman, then Secretary, then Treasurer, and then three (3) at-large members to serve on the Board of Directors. A majority of the total votes of the W.N.A. represented shall be necessary to elect.

Section 4. No person shall be eligible to hold more than one office simultaneously.

Section 5. Newly elected officers shall assume their offices at the close off the annual meeting.

ARTICLE SIX - CHAIRMAN

Section 1. The Chairman shall preside at all meetings. In his absence, the Secretary shall preside.

Section 2. In the absence of both the Chairman and Secretary, the presiding officer shall be chosen from the delegates present.

Section 3. The Chairman shall be an ex-officio member of all committees.

ARTICLE SEVEN - SECRETARY

Section 1. The Secretary shall conduct all correspondence, keep written records of all regular and special meetings, and discharge other duties appropriate to his office and those duties which may be assigned by the Chairman. The Secretary shall assume all of the duties of the Chairman in his absence.

Section 2. The Secretary shall keep a roll call of all certified delegates and which nets they represent. The Secretary shall forward a copy of minutes of each meeting to each delegate within thirty (30) days after that meeting.

ARTICLE EIGHT - TREASURER

Section 1. The Treasurer shall receive and hold safely in the name of the W.N.A. all monies and be responsible for the disbursement of same in accordance with the rules adopted by the W.N.A. The Treasurer shall keep accurate records of all receipts and expenditures and maintain a balance sheet showing the monetary status of the W.N.A. Such records shall be as current as possible commensurate with outstanding accounts payable and receivable. Whenever the balance sheet is not current, vouchers and/or bills or other documents shall be readily available which when balanced against permanent records will show the monetary status.

Section 2. The Treasurer will receive monies and issue certificates for membership in the W.N.A. Boosters.

Section 3. The Treasurer's accounts shall be audited by an auditing committee of three delegates appointed by the Chairman. The audit shall be made and approved at the annual meeting before the election of officers.

ARTICLE NINE - TRAINING OFFICER

Section 1. The Training Officer shall develop and implement such training materials and exercises as he may deem necessary or as requested by the W.N.A. to support its nets.

ARTICLE TEN - COMMITTEES

Section 1. The Chairman, upon assuming the duties of his office, shall appoint an activities committee, designating one (1) member as its chairman.

Section 2. The Chairman of the W.N.A. shall appoint such other special committees as may be deemed necessary from time to time.

Section 3. Committees appointed under Sections 1 and 2 of this Article shall function until the annual meeting unless otherwise specifically directed.

ARTICLE ELEVEN - FUNDS

Section 1. The funds of the W.N.A. secured from conducting a family picnic or similar activities may be set aside for a particular purpose other than ordinary W.N.A. operational expenses and such funds set aside may be appropriated or used only by the consent of an affirmative vote of two-thirds (2/3) of the total votes represented by the W.N.A. at any meeting.

ARTICLE TWELVE - AMENDMENTS

Section 1. These By-Laws may be amended. Proposed amendments shall be submitted to the Secretary of the W.N.A. who in turn shall notify all eligible delegates fifteen (15) days prior to the next regular meeting, stating the full text of the amendment(s), by whom proposed, and the date of the meeting at which the vote on said amendment(s) will be taken by the W.N.A.

Section 2. An affirmative vote of two-thirds (2/3) of the total number of votes represented by the W.N.A. shall be necessary to amend these By-Laws.

Section 3. All parliamentary procedure not covered specifically by the Constitution and By-Laws shall be in accordance with Roberts Rules of Order, Revised.

ARTICLE THIRTEEN - DISSOLUTION OF ORGANIZATION

Section 1. In the event the Wisconsin Nets Association, Limited, shall dissolve, all material assets shall be sold by bidding and the monies in the treasury and the receipts of the sale of such material assets shall be given to a charitable organization designated by the Board of Directors.

Final draft approved and adopted at Hartford, Wisconsin, on the 22nd day of June, 1960, and submitted for certification as a true and accurate copy of said draft on the 29th day of July, 1960, by Sherman C. Carr, W9NGT, Acting Secretary, W.N.A.

Signatures for Adoption:

S.M. Pokorny, W9NRP, Acting Manager, BEN
Sara Potter, W9VIK, RM, WSSN
George Woida, W9KQB, Wis. SCM, Acting Chairman

Signatures attested by:

Paul Ripple, W9SIZ
Hale Blakely, W9CBE
Ralph Klein, W9DKH
Elmer Barry, K9MGY

This Constitution and By-Laws is herewith submitted, complete with all amendments that have been adopted to date, this 7th day of August, 1964, by S. M. Pokorny, Treasurer of the W.N.A. and Raymond Richter, WA9AQT, Secretary of the W.N.A. Constitution Committee.

S. M. Pokorny, W9NRP Signature

Raymond Richter, W9AQT Signature

This copy of the W.N.A. Constitution and By-Laws corrected and amended December 7, 1968; June 7, 1975; August 26, 1978; June 13, 1981; June 11, 1983; January 10, 1989; September 9, 2001.