



WELCOME

JANUARY 5, 2012

ALL-MEMBER MEETING

Thanks to our host, Subaru of Indiana Automotive (SIA) for the generous use of their facilities, and to Dan, WA9DDI, for helping make it all happen.

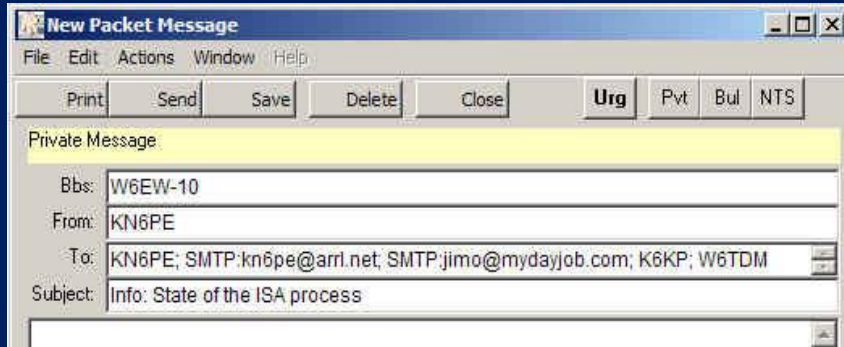
- Let's Keep It Clean – Recycle!
- Leave the room the same way we found it (chairs, tables, etc.)
- No smoking on property (except in the one designated location)

Dayton Hamvention

May 18-20, 2012

www.hamvention.org

Packet Workshop



Outpost Setup & Operation

- Saturday, FEB 18, 2012
- **REGISTRATION REQUIRED**
- Many out of town attendees expected
- Register online

Outpost Packet Message Manager

Version 2.50 c0333

- Adds several new features
- If updating, follow instructions carefully
- Official TCARES packet client

Net Control Workshop

- Coming in FEB or MAR 2012
- Net Controls: **PLAN TO ATTEND**
- Open to all (not just designated net controls)



Hilly Hundred Bike Ride

- 100 mile bike ride in southern Indiana
- 3000-4000 riders!
- Amateur communications support
- OCT 20-21, 2012
- www.hillyhundred.org

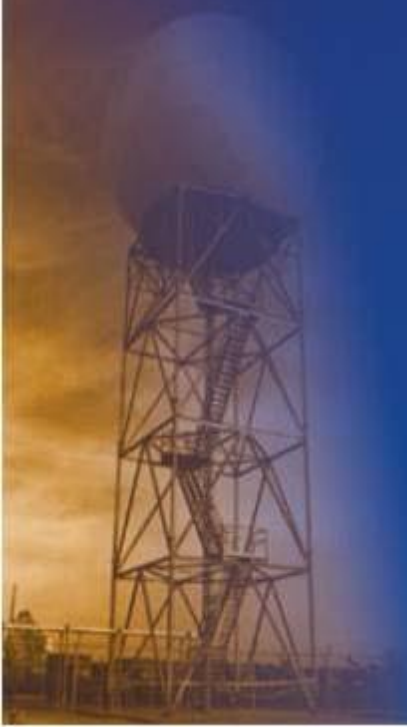
SOPs, Guidelines, and Operating Plans

- Updated and expanded – now online
- New scripts now “live”
- Memory channel programming changes
 - Designated simplex frequencies did NOT change
- More documents to be added (forms)

January 3, 2012

360-degree view - Norway





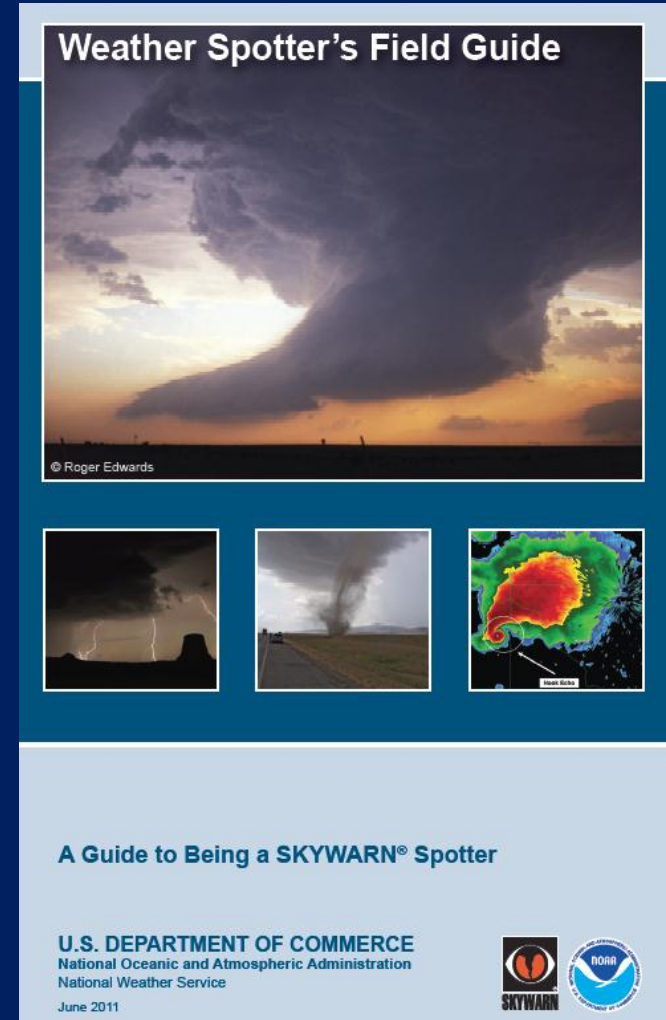
Travel Advisory System

- Travel ADVISORY
 - Simply advises of worsening conditions
- Travel WATCH
 - Essential travel only (to/from work, etc.)
- Travel WARNING
 - Travel is forbidden
 - Emergency & disaster support vehicles only

New Storm Spotting Guide



- Basic and Advanced guides were 15-25 years old
- Knowledge has changed
- Spotter safety procedures have improved
- Now combined into one
- All spotters should get the new guide and study it
- Printed copies not yet available (soon we hope!)



Central Indiana Severe Weather Symposium

Saturday

March 10, 2012

8 am – 4 pm

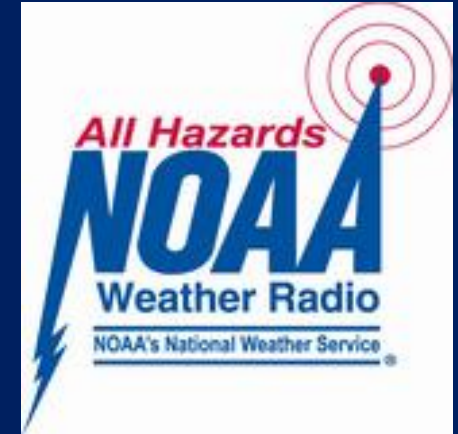
Greenwood, IN

\$35 registration
includes breakfast
& lunch buffets



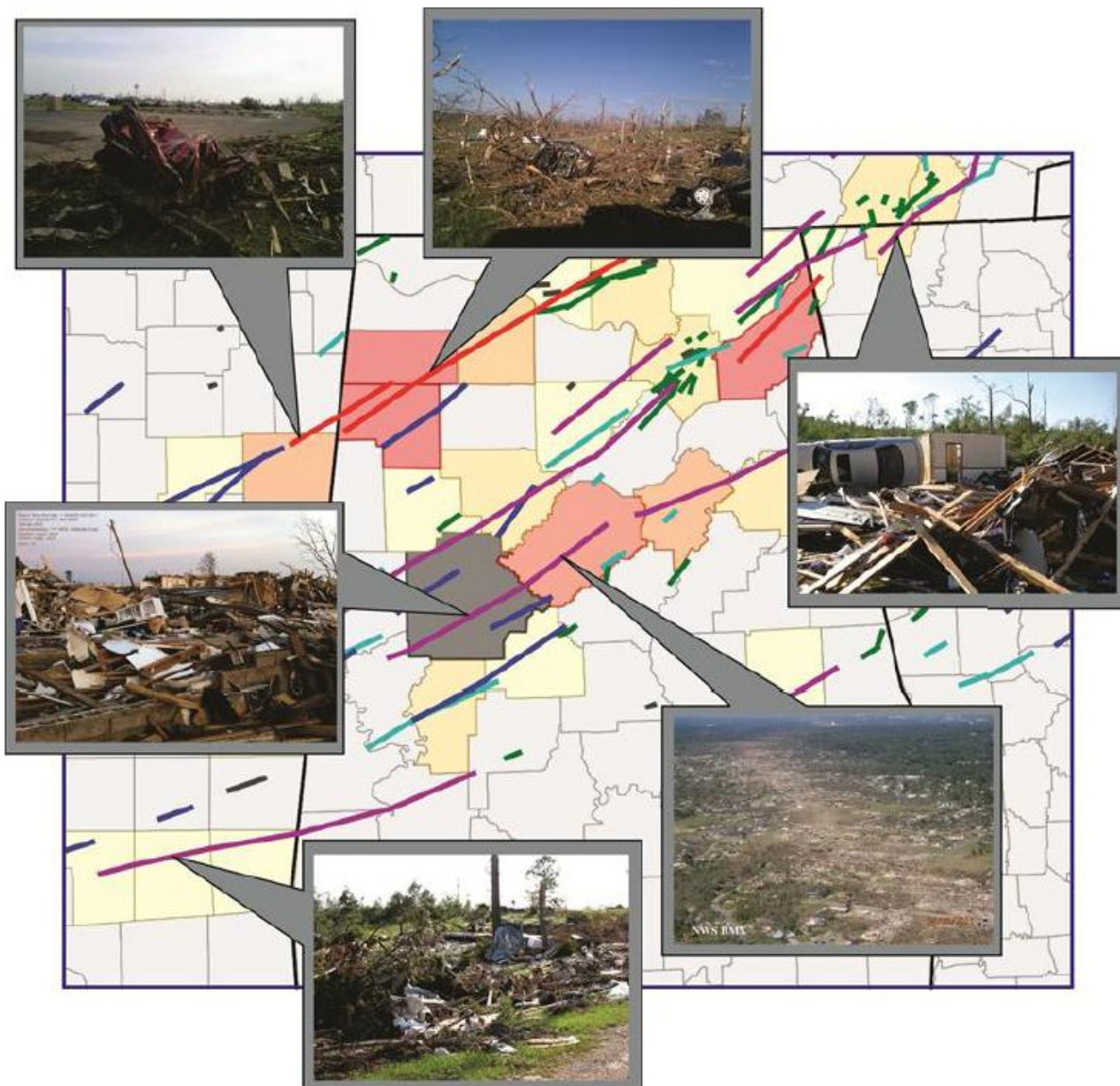
Weather Radio

- Inexpensive device that may save a life
- \$30 - \$60 (with SAME capability)
- Get a reliable model with an external antenna jack and battery backup
- They make great gifts!



The Historic Tornadoes of April 2011

NWS Service Assessment



Transmitter	Time of Outage	Time Restored	Reason for Outage
Florence (HUN)	4/27, 6:44 a.m.	4/29, 8:00 a.m.	Power outage, generator failed
Winfield (BMX)	4/27, 8:23 a.m.	4/27, 5:50 p.m.	Communications failure
Cullman (HUN)	4/27, 2:45 p.m.	5/5 (temporary tower)	Struck by tornado (Figure 7), temporary tower set up
Huntsville (HUN)	4/27, 5:15 p.m.	5/3	Power outage, switched to generator, communications failure
Winchester (HUN)	4/27, 5:25 p.m.	5/1	Power outage, switched to generator, communications failure
Fort Payne (HUN)	4/27, 6:30 p.m.	5/1	Power outage

NOAA Weather Radio (NWR) Failures



Figure 7: Destroyed NWR transmitter tower at Cullman, AL (courtesy of WFO Huntsville, AL)

ARES and NTS





THE AMERICAN RADIO RELAY LEAGUE
RADIOGRAM
VIA AMATEUR RADIO



NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

TO	THIS RADIO MESSAGE WAS RECEIVED AT						
	AMATEUR STATION _____ PHONE _____						
TELEPHONE NUMBER	NAME _____						
	STREET ADDRESS _____						
CITY, STATE, ZIP _____							
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

FROM	DATE	TIME	TO	DATE	TIME
REC'D			SENT		

THIS MESSAGE WAS HANDLED FREE OF CHARGE BY A LICENSED AMATEUR RADIO OPERATOR, WHOSE ADDRESS IS SHOWN IN THE BOX AT RIGHT ABOVE. AS SUCH MESSAGES ARE HANDLED SOLELY FOR THE PLEASURE OF OPERATING, NO COMPENSATION CAN BE ACCEPTED BY A "HAM" OPERATOR. A RETURN MESSAGE MAY BE FILED WITH THE "HAM" DELIVERING THIS MESSAGE TO YOU. FURTHER INFORMATION ON AMATEUR RADIO MAY BE OBTAINED FROM ARRL HEADQUARTERS, 225 MAIN STREET, NEWINGTON, CT 06111

THE AMERICAN RADIO RELAY LEAGUE, INC. IS THE NATIONAL MEMBERSHIP SOCIETY OF LICENSED RADIO AMATEURS AND THE PUBLISHER OF QST MAGAZINE. ONE OF ITS FUNCTIONS IS PROMOTION OF PUBLIC SERVICE COMMUNICATION AMONG AMATEUR OPERATORS. TO THAT END, THE LEAGUE HAS ORGANIZED THE NATIONAL TRAFFIC SYSTEM FOR DAILY NATIONWIDE MESSAGE HANDLING.



THE AMERICAN RADIO RELAY LEAGUE
RADIOGRAM
VIA AMATEUR RADIO



NUMBER 001	PRECEDENCE R	HX	STATION OF ORIGIN W9NWN	CHECK ARL 15	PLACE OF ORIGIN Kokomo, IN	TIME FILED	DATE JAN 2
----------------------	------------------------	----	-----------------------------------	------------------------	--------------------------------------	------------	----------------------

TO _____

TELEPHONE NUMBER _____

THIS RADIO MESSAGE WAS RECEIVED AT

AMATEUR STATION _____ PHONE _____

NAME _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

FROM REC'D	DATE	TIME	TO SENT	DATE	TIME
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PRINTED IN USA



THE AMERICAN RADIO RELAY LEAGUE
RADIOGRAM
VIA AMATEUR RADIO



NUMBER 001	PRECEDENCE R	HX	STATION OF ORIGIN W9NWN	CHECK ARL 15	PLACE OF ORIGIN Kokomo, IN	TIME FILED	DATE JAN 2
----------------------	------------------------	----	-----------------------------------	------------------------	--------------------------------------	------------	----------------------

TO
WR9A

TELEPHONE NUMBER

THIS RADIO MESSAGE WAS RECEIVED AT

AMATEUR STATION _____ PHONE _____

NAME _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

FROM REC'D	DATE	TIME	TO SENT	DATE	TIME
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RADIOGRAM
VIA AMATEUR RADIO



NUMBER 001	PRECEDENCE R	HX	STATION OF ORIGIN W9NWN	CHECK ARL 15	PLACE OF ORIGIN Kokomo, IN	TIME FILED	DATE JAN 2
----------------------	------------------------	----	-----------------------------------	------------------------	--------------------------------------	------------	----------------------

TO
WR9A

TELEPHONE NUMBER _____

THIS RADIO MESSAGE WAS RECEIVED AT

AMATEUR STATION _____ PHONE _____

NAME _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

ARL	fifty	X	Looking	forward
to	ARES	meeting	this	week
X	as	well	as	premeeting
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

FROM REC'D	DATE	TIME	TO SENT	DATE	TIME
---------------	------	------	------------	------	------

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RADIOGRAM
VIA AMATEUR RADIO



NUMBER 001	PRECEDENCE R	HX	STATION OF ORIGIN W9NWN	CHECK ARL 15	PLACE OF ORIGIN Kokomo, IN	TIME FILED	DATE JAN 2
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TO
WR9A

TELEPHONE NUMBER

THIS RADIO MESSAGE WAS RECEIVED AT

AMATEUR STATION _____ PHONE _____

NAME _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

ARL **fifty** **X** **Looking** **forward**

to **ARES** **meeting** **this** **week**

X **as** **well** **as** **premeeting**

Doug, W9NWN

FROM REC'D	DATE	TIME	TO SENT	DATE	TIME
---------------	------	------	------------	------	------

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RADIOGRAM
VIA AMATEUR RADIO



NUMBER 001	PRECEDENCE R	HX	STATION OF ORIGIN W9NWN	CHECK ARL 15	PLACE OF ORIGIN Kokomo, IN	TIME FILED	DATE JAN 2
----------------------	------------------------	----	-----------------------------------	------------------------	--------------------------------------	------------	----------------------

TO
WR9A

TELEPHONE NUMBER

THIS RADIO MESSAGE WAS RECEIVED AT
 AMATEUR STATION _____ PHONE _____
 NAME _____
 STREET ADDRESS _____
 CITY, STATE, ZIP _____

ARL **fifty** **X** **Looking** **forward**

to **ARES** **meeting** **this** **week**

X **as** **well** **as** **premeeting**

Doug, W9NWN

REC'D FROM W9NWN	DATE JAN 3	TIME 0115Z	SENT TO	DATE	TIME
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Radiogram vs. ICS 213



THE AMERICAN RADIO RELAY LEAGUE RADIOGRAM <small>VIA AMATEUR RADIO</small>							
NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
TO				<small>THIS RADIO MESSAGE WAS RECEIVED AT</small> AMATEUR STATION _____ PHONE _____ NAME _____ STREET ADDRESS _____ CITY, STATE, ZIP _____			
TELEPHONE NUMBER							
_____				_____			
_____				_____			
_____				_____			
_____				_____			
_____				_____			
FROM		DATE		TIME		SENT TO	
REC'D							
<small>THIS MESSAGE WAS HANDLED FREE OF CHARGE BY A LICENSED AMATEUR RADIO OPERATOR, WHOSE ADDRESS IS SHOWN IN THE BOX AT RIGHT ABOVE. AS SUCH MESSAGES ARE HANDLED SOLELY FOR THE PLEASURE OF OPERATING, NO COMPENSATION CAN BE ACCEPTED BY A "HAM" OPERATOR. A RETURN MESSAGE MAY BE FILED WITH THE "HAM" DELIVERING THIS MESSAGE TO YOU. FURTHER INFORMATION ON AMATEUR RADIO MAY BE OBTAINED FROM ARRL HEADQUARTERS, 225 MAIN STREET, NEWINGTON, CT 06111</small>				<small>THE AMERICAN RADIO RELAY LEAGUE, INC. IS THE NATIONAL MEMBERSHIP SOCIETY OF LICENSED RADIO AMATEURS AND THE PUBLISHER OF QST MAGAZINE. ONE OF ITS FUNCTIONS IS PROMOTION OF PUBLIC SERVICE COMMUNICATION AMONG AMATEUR OPERATORS. TO THAT END, THE LEAGUE HAS ORGANIZED THE NATIONAL TRAFFIC SYSTEM FOR DAILY NATIONWIDE MESSAGE HANDLING.</small>			
<small>PRINTED IN USA</small>							

GENERAL MESSAGE		
TO:	POSITION:	
FROM:	POSITION:	
SUBJECT:	DATE:	TIME:
MESSAGE:		
SIGNATURE:		POSITION:
REPLY:		
DATE:	TIME:	SIGNATURE/POSITION:

- For now, ARES must learn and use BOTH

Traffic - What is it?



- NTS messages are formalized utilizing the ARRL's "RADIOGRAM" format.
- Once a message has been formalized and entered into the NTS it is called "Traffic".
- Non-formalized messages relayed over Amateur Radio frequencies are *not* "traffic" as defined within the NTS.

NTS messages may be sent to, or by, anyone. You do not have to be a ham to initiate or receive a message. A licensed ham must, of course, handle the *transmission* of the traffic.



NOTICE!

- Explanations of this simple form have probably stopped more people from participating in the NTS than anything else.
- It is just a piece of paper!
- This is *not* a confusing IRS tax form!
- It's simple!

THE AMERICAN RADIO RELAY LEAGUE RADIOGRAM							
VIA AMATEUR RADIO							
NUMBER	PRECEDENCE	HR	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
1	R	G	K4IOW	12	CARY NC		DEC 20
TO JOHN Q PUBLIC 1234 MAPLE AVE ANYTOWN NC 27000						THIS RADIO MESSAGE WAS RECEIVED AT AMATEUR STATION _____ PHONE _____ NAME _____ STREET ADDRESS _____ CITY AND STATE _____	
TELEPHONE NUMBER 919 555 1234							
ARRIVE	7PM	DEC	24	X			
LOOKING	FORWARD	TO	SEEING	YOU			
X	LOVE						
BETTY M PUBLIC							
REC'D	FROM	DATE	TIME	SENT	TO	DATE	TIME
<small>THIS MESSAGE MUST BE FILED IN THE OFFICE OF THE NATIONAL RELAY LEAGUE. THE NATIONAL RELAY LEAGUE IS A SERVICE OF THE AMERICAN RADIO RELAY LEAGUE. THE NATIONAL RELAY LEAGUE IS A SERVICE OF THE AMERICAN RADIO RELAY LEAGUE. THE NATIONAL RELAY LEAGUE IS A SERVICE OF THE AMERICAN RADIO RELAY LEAGUE.</small>				<small>THE AMERICAN RADIO RELAY LEAGUE, INC. IS THE AMERICAN SOCIETY OF ELECTRICITY. THE AMERICAN SOCIETY OF ELECTRICITY IS A SERVICE OF THE AMERICAN RADIO RELAY LEAGUE. THE AMERICAN RADIO RELAY LEAGUE IS A SERVICE OF THE AMERICAN SOCIETY OF ELECTRICITY. THE AMERICAN SOCIETY OF ELECTRICITY IS A SERVICE OF THE AMERICAN RADIO RELAY LEAGUE.</small>			
<small>Form: Copyright 1995, American Radio Relay League. Used with permission</small>							

4 Parts of a RADIOGRAM



1. Preamble

2. Address

3. Text

4. Signature

PREAMBLE - Message Number

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

This is the number assigned by the first Amateur putting the traffic into NTS. It never changes, no matter how many other operators handle the message.

- *The message has to have a number.* If you are originating the message, you can put any number in this box. What number it is does not matter. What numbering sequence you use doesn't matter.
- If you are *receiving* the message, you *must* use the number given to you by the sender.
- DON'T say the words "my number 001". DO say "*Message Number Zero, Zero, One*".

PREAMBLE - Precedence

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

This tells the importance, or how urgent the traffic is.

- 99% of all traffic is listed as "Routine." Put an "R" here.
- Don't worry about this right now. We'll learn about the others later. (W,P,EMERGENCY)

PREAMBLE - Handling Instructions (HX)

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
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This is just an Optional set of specific instructions dealing with methods of delivery.

- Most of the time, this area is ignored. Don't worry about it!
- We will learn the details in another session.

PREAMBLE - Station of Origin

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

This is the Call-Sign of the Amateur who first put the traffic into the NTS system

PREAMBLE - Check

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

This is a count of the number of words in the text area of the form, (the area with all the little horizontal lines).

- This does *not* include anything in the preamble, address, or signature.
- Note: *When you use the word "X-Ray" to indicate punctuation, it counts as a word.*
 - When you use the word "Break" it is a courtesy to the receiving operator and it does not count as a word.
- DON'T say "Station of Origin KB8ZDX, Check 25". It is bad form to say the headings.
 - DO say "*KB8ZDX, 25*".

PREAMBLE - Place of Origin

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

This is the City and State of the party who *initiated* the traffic, *not* the Station of Origin location.

- If you are *initiating* a message *for someone* in Battleground, and you live in Lafayette, then Battleground would be the *Place* of origin. Your call sign would be the *Station* of origin.

PREAMBLE - Time Filed

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

This is the UTC or ZULU time the traffic is placed into NTS system, *not* the time it was written.

- You could have written the message last week. What is important here is the *time* you actually put it into the NTS.
- Many NTS operators ignore this field on the form for Routine traffic.
- **CAVEAT: Use UTC only for messages sent through the NTS network. All other ARES messages use LOCAL time.**

PREAMBLE - Date Filed

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

This is the date (UTC) the traffic is first placed into NTS system.

- DON'T say "12/4" for date. DO say "*December 4*". You do not *have* to use the year.
- (If the person taking your message doesn't know what year it is, perhaps you should find someone else?)

PREAMBLE - Address

TO

TELEPHONE NUMBER

This is the address of the individual to whom the traffic is supposed to be delivered. It goes under the word "TO" on the form.

- **Name Full name**
 - (including Jr., Sr., or call sign if there is one)
- **Street address or P.O. Box** (complete as possible)
- **City, State, Zip**
- **Phone number**
 - (This is important because most traffic is ultimately delivered via local phone calls)

PREAMBLE - Text

- Keep it all brief and to-the-point
- 25 words or less (if possible)
- May contain ARRL Numbered Radiograms (i.e. "ARL One")
- DON'T say "ARL figure 61". DO say "*ARL sixty one*". (More on this "ARL" stuff later.)
- Use "X-Ray" in place of periods. "X-Ray" counts as a word.
- DON'T send "period" at the end of sentences. DO send "*X-Ray*" in place of punctuation.
- DON'T say "End of message" after text. DO say "*Break*" after giving the text of the traffic.

PREAMBLE - Signature

This can be a single name, a name and call sign, or a name and title. Just enough information to enable the receiver to identify the sender. The Originating amateur should provide enough information that a reply can be sent.

- DON'T say "Signature or Signed 'John'", DO say "*John*".
- NOTE: Amazingly, on the ARRL Form, FSD-244, RADIOGRAM there is no mention of this fourth part of the form! Put it anywhere you want.

RADIOGRAM You're Done! Now what?

THE AMERICAN RADIO RELAY LEAGUE RADIOGRAM							
VIA AMATEUR RADIO							
NUMBER	PRECEDENCE	HR	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
1	R	G	K4IWW	12	CARY NC		DEC 20
TO JOHN Q PUBLIC 1234 MAPLE AVE ANYTOWN NC 27000						THIS RADIO MESSAGE WAS RECEIVED AT	
						AMATEUR STATION _____ PHONE _____	
						NAME _____	
						STREET ADDRESS _____	
						CITY AND STATE _____	
TELEPHONE NUMBER 919 555 1234							
ARRIVE		7PM		DEC		24	
LOOKING		FORWARD		TO		SEEING	
X		LOVE				YOU	
BETTY M PUBLIC							
REC'D	FROM	DATE	TIME	SENT	TO	DATE	TIME
<small>THIS MESSAGE WAS TRANSMITTED BY THE STATION OF ORIGIN BY THE RADIOGRAM SERVICE OF THE AMERICAN RADIO RELAY LEAGUE. THE RADIOGRAM SERVICE IS A SERVICE OF THE AMERICAN RADIO RELAY LEAGUE. THE RADIOGRAM SERVICE IS A SERVICE OF THE AMERICAN RADIO RELAY LEAGUE. THE RADIOGRAM SERVICE IS A SERVICE OF THE AMERICAN RADIO RELAY LEAGUE.</small>				<small>THE AMERICAN RADIO RELAY LEAGUE, INC., IS THE NATIONAL AMATEUR SOCIETY OF LICENSED AMATEUR RADIO OPERATORS. THE AMERICAN RADIO RELAY LEAGUE, INC., IS THE NATIONAL AMATEUR SOCIETY OF LICENSED AMATEUR RADIO OPERATORS. THE AMERICAN RADIO RELAY LEAGUE, INC., IS THE NATIONAL AMATEUR SOCIETY OF LICENSED AMATEUR RADIO OPERATORS.</small>			

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Say, "End . . . No More."

- That's all there is to filling out a basic NTS Routine message on a Radiogram form.
- It really is simple when you don't get bogged down in all the fine little details right away.



THE AMERICAN RADIO RELAY LEAGUE

RADIOGRAM

VIA AMATEUR RADIO



NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

<p>TO _____</p> <p>TELEPHONE NUMBER _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>THIS RADIO MESSAGE WAS RECEIVED AT</p> <p>AMATEUR STATION _____ PHONE _____</p> <p>NAME _____</p> <p>STREET ADDRESS _____</p> <p>CITY, STATE, ZIP _____</p>
------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>FROM _____</p> <p>REC'D</p>	<p>DATE _____</p>	<p>TIME _____</p>	<p>TO _____</p> <p>SENT</p>	<p>DATE _____</p>	<p>TIME _____</p>
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