

TIPPECANOE COUNTY

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CARES



WELCOME

AUGUST 5, 2010

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)

“Special Mode” Ancillary ARES Nets

- 10M SSB - No advantages over 2M/440 simplex
- MT63-2k - Works very well for high-speed data, via simplex or repeater. Acoustic coupling works!
- MFSK-16 - Picture mode, via simplex & repeater. Acoustic coupling marginal on receive, no good at all for transmit. Picture size is limited, but useful.
- D-STAR data (d-rats) - AUG 9, 8:30 p.m., W9ARP-C (2M)

Regular Ancillary ARES Nets

- 1st Monday of month – Packet net
 - 145.050 MHz
 - Unproto mode (CQ via TCARES)
- 3rd Monday of month – 2M SSB net
 - 144.250 MHz USB

INARES Digital Net

- Changing days/times
- 1st & 3rd Mondays of month, 9 PM
- 2nd & 4th weeks on Tuesdays, 9 PM
- 5th weeks on Mondays, 9 PM
- 3583 kHz USB (+/- 1000 Hz)
- Olivia 8/500
- WB9FHP, Larry, is NCS

Packet Network

- Growing slowly but surely
- BBS and nodes now active in Indianapolis
- Other nodes and digis now active in the area
- Reliable connections to Indy are now common
- Kokomo, Cyclone, Indianapolis, Greenwood, Bloomington, Terre Haute, Mitchell, etc.
- W9SEM (SEMA RACES BBS)
- N9DEW, Don West, IDHS Communications Director

Employee Participation In Exercises

- Government entities sponsoring disaster and emergency drills will no longer need to apply for a waiver to hold these drills.
- Employees who wish to participate in non-government-sponsored drills and exercises may do so under certain conditions
- FCC rule change effective SEP 3
- See ARRL web site for details

Boy Scouts – Space Jamboree

- This Saturday in Rantoul, IL (70 miles W of here)
- 1st balloon (BASE 48) launch at ~8:30 a.m.
 - APRS (N9QGS-11)
 - ATV on 434.0 MHz NTSC
 - Telemetry via DominoEX-22 on 146.565 MHz
 - Climb rate 1000'/min to expected 95,000'
- 2nd balloon (BASE 49) launch at ~9:30 a.m.
 - APRS (W9YJ-11)
 - Crossband FM repeater (144.360 MHz up / 446.025 MHz down)
 - Telemetry via DominoEX-22
 - 800-900'/minute climb rate – float for 1 hour at 70-80,000'

Upcoming Events

- ◆ This Saturday, 9:00 a.m. – W9YB Antenna Party
- ◆ August 15 (Sunday) – Lafayette Hamfest
- ◆ August 28 (Saturday) – Wabash River Ride
- ◆ October ?? (TBD) – 2010 SET

Purdue Amateur Radio Club (W9YB) Antenna Party

- Saturday, 9:00 a.m. – W9YB shack in the PMU
- Remove old dipole and replace with new one
- Another antenna may be installed
- Other work to be done, too
- Only Purdue staff or students allowed on the roof
- All others may help in the W9YB shack (A/C)

Lafayette Hamfest

- Sunday, AUG 15
- Volunteers needed to staff the ARES booth
 - Answer questions
 - Distribute brochures
 - Promote amateur radio emergency communications
 - Encourage local hams to register with ARES (RESERVE)

2010 Simulated Emergency Test (SET)

- October ?? (Date to be determined)
- Will involve area hospitals, Red Cross shelters
- Focus on message traffic
 - Voice message handling
 - Packet messages via the W9TCA-1 BBS
 - FLDIGI/NBEMS modes (MT63, MFSK, etc.)
- Training & mini-exercises leading up to the SET

Tip of the Month (AGAIN)

Your computer hard drive **WILL FAIL**

- External hard drives make backups easy
- Perform full system backups on a regular schedule
- Use multiple external hard drives for backups and rotate them on a regular basis (disconnect from PC and power)
- Backup frequently updated files DAILY
- Backup critical files by burning them onto CD/DVD

Standard ITU Phonetics

**Let's have an
exercise!**

Wabash River Ride

- Saturday, AUG 28
- Over 300 riders expected
- Over 100 miles of route to cover through Tippecanoe, Warren, and Fountain counties
- 4 fixed locations to operate from (SAG stops)
- 3-6 mobiles (SAG wagons) to provide comms for
- 1-2 “shadow” operators to accompany WRCC personnel

Wabash River Ride

- **ARES MISSION:** Provide primary communications between the start/stop location (Fort Ouiatenon), 3 designated SAG stops, up to 6 mobile SAG wagons that will travel the three "loops" of the route, and 1-2 WRCC officials.
- We will be working with WRCC personnel that are not hams, as well as some amateurs that are not ARES members for this event, and we should conduct ourselves accordingly. Please be cordial, cooperative, and professional.

Wabash River Ride

Mission objectives for this event:

1. Provide voice comms between Fort Ouiatenon and the SAG wagons anywhere along the route
2. Provide voice comms between all SAG stops
3. Provide voice comms for roaming WRCC officials

Wabash River Ride

- Mobile Operation
 - 2M mobile (minimum), 2M/440 mobile preferred
 - Mag-mount antenna
 - Self-contained power supply (large capacity battery)
 - May be possible to utilize vehicle battery power, but don't count on it
 - **Providing mobile comms is our #1 priority!**



Wabash River Ride

- Mobile Operations
 - Large areas with no cell service
 - Several areas with no access to WIRES repeater
 - Williamsport repeater will serve as alternate voice circuit
 - **443.675+ MHz, 156.7 Hz CTCSS**
 - Mobiles out of range of both repeaters, may try 147.135 or 443.675 MHz simplex to establish contact
 - All fixed sites should monitor both frequencies with no tone on receive, and squelch “loose” (just above threshold)

Wabash River Ride

- Mobile Operations (continued)
 - Mobile operators will also serve as navigators for the drivers
 - Get familiar with your route and have your map with you
- There may be a switch of SAG wagon vehicles about half way through the event – be prepared to relocate your equipment to the next vehicle

Wabash River Ride

- Net Operations
 - Semi-directed net
 - Frequency may occasionally be used by others
 - Our operations will be formal and directed
 - Fort Ouiatenon will be “Net Control” on WI9RES
 - “Fountain” will act as NCS on Williamsport repeater and will relay as needed to Net Control on WI9RES repeater
- Refer to web site for more details and tactical calls

Wabash River Ride

- Commitments from volunteers needed as soon as possible
- www.W9TCA.com/wrr – **REGISTER NOW**
- K9HER coordinating manpower and resources
 - K9HERradio@gmail.com
- Pre-deployment coordination net to be held on Thursday, AUG 26, 8 PM (after the Hamtivity net)



Net Controls

- You are responsible for checking the web site for NCS and ANCS schedules
- Check at least weekly for changes
- Schedules are usually posted for the next 6-8 weeks, but are subject to change
- www.w9tca.com/net-info
- Have a PRINTED copy of all the scripts in NET 1-4

Local Weather Blog

www.jconline.com/weatherblog

Written by one of our own ARES members:

Ben Cotton, KC9FYX

Macroburst West Lafayette Saturday, JUL 17, 2010

- 82 mph wind gust
- Very short length of travel
- 2.8 miles wide

<http://blogs.wlfi.com/2010/07/21/july-17-2010-west-lafayettelafayette-macroburst-2/>

Oklahoma City, OK

May 16, 2010

- http://www.youtube.com/watch?v=xG_orGqMKV8
- <http://www.youtube.com/watch?v=OFv2W7Duqiw>

Lightning

(In Slow Motion)

<http://www.youtube.com/watch?v=-bvmEYxEYiA>

SKYWARN Spotter Locations

- 30 locations have been designated
 - 7 in the northern third of the county
 - 8 in the central area
 - 15 in the south
- Google Earth file of all locations available now
 - Google Streetview pictures available at most spots
- Get familiar with some you may consider using

SKYWARN Nets

The sole purpose of a SKYWARN net:

Relay

severe weather reports

to the NWS

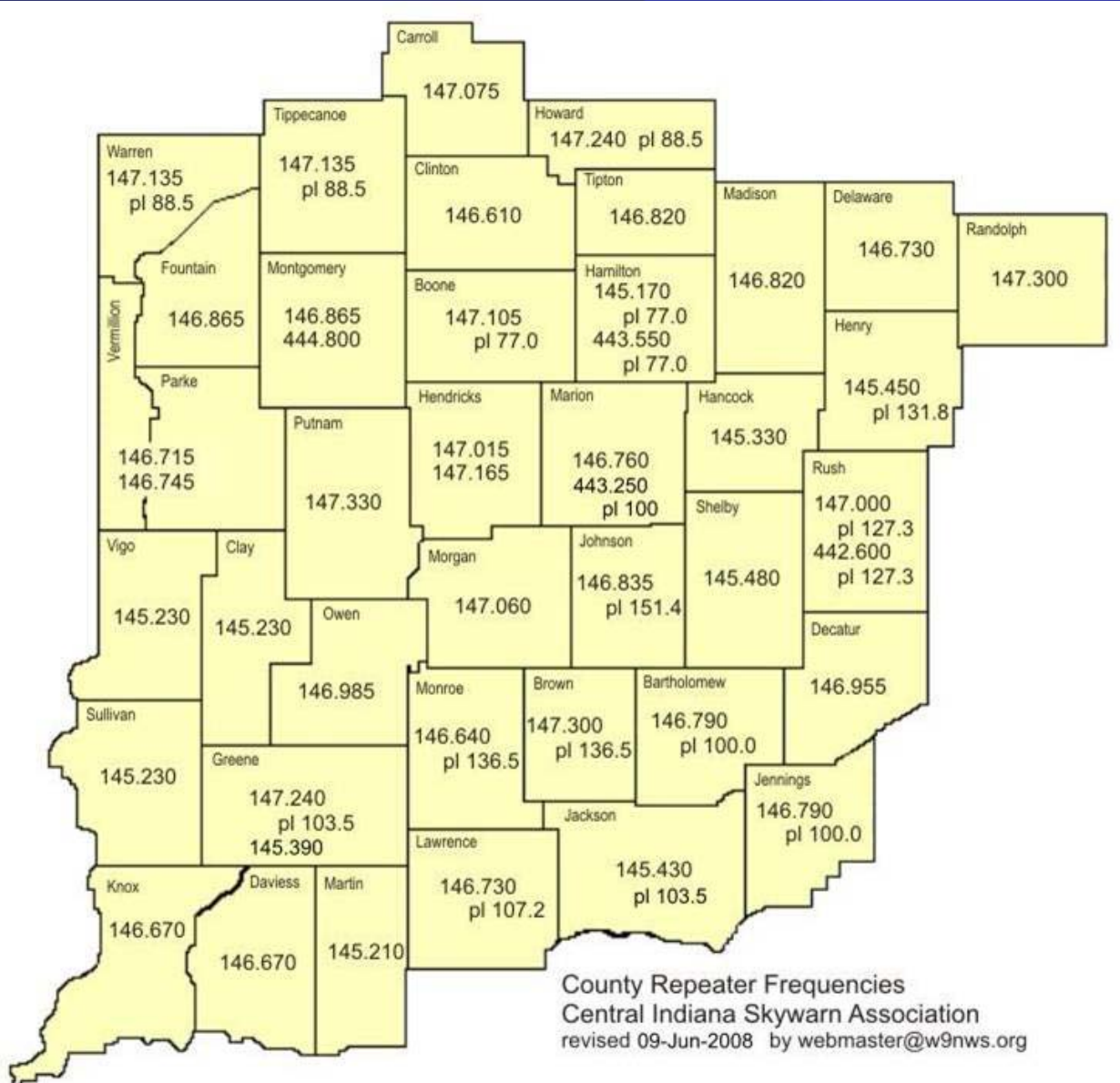
Relay

- Amateur Radio (Preferred / Primary method)
 - KA9VXS repeater link (443.775, 88.5 Hz, if available)
 - W9ICE repeater system (442.650, 146.970 – 77.0 Hz CTCSS)
- Telephone to NWS (Secondary method)
 - 1-800-499-2133 or (317) 856-0359
 - Restricted use – spotter reports only – not for general public
- eSpotter Online Reporting System (Last Method)
 - <http://espotter.weather.gov>
 - Does not provide 2-way communication with NWS

Severe Weather Reports

- Must meet certain criteria
- Must be eye-witness reports
 - May be first-hand report from a non-ham to you
- Must be accurate, detailed, and timely
- Are NOT reports heard on a scanner from police, fire, EMA, etc. (they have their own reporting methods)
- Are NOT reports from someone you know who saw the weather report on TV

To the NWS



County Repeater Frequencies
 Central Indiana Skywarn Association
 revised 09-Jun-2008 by webmaster@w9nws.org

SKYWARN Operations Plan

- National Weather Service Support Plan for Tippecanoe County ARES (OP PLAN 100)
 - Every ARES member should be familiar with this document, and
 - Have a printed copy of it handy
- It details how Tippecanoe County ARES works in cooperation with the NWS and Central Indiana SKYWARN to relay spotter reports accurately, timely, orderly, and in a professional manner.