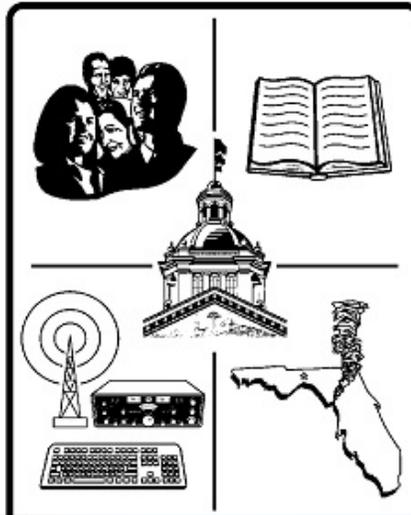


# The Printed Circuit

The Monthly Publication of the  
Tallahassee Amateur Radio  
Society  
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**T**ALLAHASSEE  
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## SPECIAL HURRICANE IRMA EDITION

We are sending you a special edition of The Printed Circuit in light of the imminent arrival of Hurricane Irma. As I write this Irma is still in the Caribbean

Sea, and is projected to hit Florida starting in the Keys and moving north, up the center or east part of the state. Tallahassee and the Big Bend, may not be directly hit, but will, in any event surely get some damaging winds. As of this writing Irma is an ugly category 5 storm with sustained winds of 180 mph. Sort of like a 300 mile wide tornado.

Below is some guidance for ham radio operators in Leon County, the Capital District, and the Big Bend of Florida.

Rules to live by

1. Listen to and obey orders to evacuate
2. Priority of care/interests
  - a. self
  - b. wife and children
  - c. pets
  - d. Personal property
  - e. neighbors
  - f. ham radio



## Preparation

Ham radio "Go Kits"- Below is a fairly comprehensible Jump Kit list of items to take.

PERSONAL ITEMS (The list here comes from the Boy Scout Handbook and the Boy Scout Field book)

Pack or bag to carry your items  
Poncho or rain coat  
Ground cloth  
Cot or sleeping pad  
Blanket, sheet  
pillow  
Tent or mosquito net  
Knife fork spoon  
Plate  
Cup  
Stove-propane or gas  
Soap  
Dishrag  
towel  
Pots, frying pan  
Rope or parachute cord  
Pocket knife  
Extra change of clothes to include socks  
Canteen  
First aid kit  
Flashlight with extra batteries  
Shoes  
Flip flops  
Wide brimmed hat  
Extra glasses  
Sun glasses  
Strike anywhere matches in waterproof container  
Candles  
Can opener- military P-38 type  
Shovel  
Water purification tablets

Five gallon bucket with several plastic bags-port-a-pottie  
Mirror  
Shaving gear  
Bandanna  
Toilet paper  
Vaseline jelly  
Face masks  
Rubber gloves

## TOOLS

Hammer  
Pliers  
Socket set-English and metric  
Screw drivers-Phillips and flat head and jewelers  
Pliers  
Needle nose pliers  
Allen wrenches  
Crow bar  
Vice grips  
Wire cutters  
Wire nuts  
Complete set of wrenches-English and metric  
  
Digital volt ohm meter  
Electrical tape  
Duct tape  
Soldering iron  
Solder  
Propane soldering torch  
Knife  
ax  
Assortment of nails, screws, nuts, etc.  
Wire connectors, lugs

## FOOD

1 gallon water per day per person  
crackers  
cheese  
peanut butter  
tang  
Oatmeal-instant  
Fruit  
Canned foods such as  
    Ravioli  
    Beef stew  
    Tuna fish  
Seasonings-salt, pepper

PAPER AND STUFF  
Paper  
Gallon sized zip lock bags  
Pens, several  
Clip board  
Amateur license  
ICS course certificates  
ARRL message forms  
Duty log sheets  
Operator's manual for radios and other  
equipment  
License  
Various ID cards

POWER  
80-110 Amp hour deep cycle battery  
Generator  
25 amp switching power supply

2 five gallon containers for gas  
funnel  
fire extinguisher  
grounding rod with grounding strap  
jumper cables  
50 foot extension cords  
power strip

power inverter (DC to AC -300 watt  
capacity)  
extra AA and AAA batteries

DC Junction box that can connect to  
battery  
cigarette lighter power cord  
Fuses of appropriate ratings for radios  
and other equipment-Variou types

RADIOS  
2 m/440 mobile transceiver (35-50  
watts) with microphone and power cords  
mag mount 2m/440 antenna

2 meter/440 HT  
Manuals for radios

HF rig  
    microphone  
    power cords  
        to car battery  
        to AC power supply

HF antenna (dipole)  
    Center connector  
    Ropes

Coax  
    adapters

Antenna tuner  
2m/440 antenna  
    Jpole  
    Beam  
    Coax  
    Supporting pole/tower

Headphones

COMPUTER  
Laptop computer loaded with  
    APRS  
    PSK 31  
    Digipan  
    Echolink  
    A packet terminal program

Winlink, Paalink, Airmail  
Signalink Interface  
Vhf cable  
HF cable  
USB to serial cable  
Toshiba portable hard drive  
TNC with associated cables and  
power cord  
Speaker and microphone that can  
connect to computer's soundcard  
Interface between computer and radio  
for PSK 31  
Cat 5 cable  
Linksys card

#### Frequencies and repeaters

##### Capital District

147.03 MHz Repeater-Primary  
146.91 MHz -alternate Repeater  
147.03 simplex if the repeater is down  
442.100 or 443.500 MHz SAR net  
146.835 MHz D-Star  
145.01 MHz Winlink  
144.39 APRS

##### North Florida ARES

3.950 MHz Primary  
7.242 MHz -Alternate

County ARES will use local repeaters per their County Plans. Leon County will share the 147.03 or 146.91 repeaters if necessary with the Capital District

Hurricane Watch Net-14.325 MHz

Google Maps- Go to [www.floridaares.org](http://www.floridaares.org) to get the map of the Big Bend and the Post Hurricane Report Form. If needed, we will exercise this new capability.

Volunteers- There is no word of any need for volunteers for served agencies such

as the Red Cross, but that will change. We do need stations willing to serve as Net Control Stations for 4 hour shifts when the Capital District ARES net is activated, probably Saturday night or Sunday morning. Notify Dave, WA4WES, [daveddavis1@embarqmail.com](mailto:daveddavis1@embarqmail.com), if you are willing to help.

Generators should be working, and gas for 3-5 days bought and stored

Important web sites

[www.floridaares.org](http://www.floridaares.org)

[www.nhc.noaa.gov](http://www.nhc.noaa.gov) (National Hurricane Center)

[www.wunderground.com](http://www.wunderground.com) (Good weather web site)

Nets.

At this point, we are uncertain about what nets will be needed and called. Certainly we will have the regular Sunday ARES net, but beyond that it is uncertain. What I will do is call a special nightly ARES net starting on Wednesday, September 6 at 8 p.m. on the 147.03 MHz repeater to give updates on what is going on. It will continue until the Irma crisis is over.

Deploying. At this point there has been no call for hams to deploy to anywhere in the state or Big Bend. Unless specifically asked, do not self deploy. You create more problems than you solve when you do. The Red Cross, county EOCs, and hospitals may request amateur radio assistance. If your situation permits you may be able to serve there.

Mobile capability. If you have mobile VHF/UHF capability check to make sure it still works.

SAR net. The Statewide Amateur Radio net (SAR net) has Tallahassee nodes of 442.100 MHz and 443.500 MHz, +5MHz offset, and 94.8 PL tone. Use regular net etiquette. Listen mostly. Remember that when you talk on the SAR net, your signal is going to stations throughout the state. Delay for a second or two before transmitting to give the other nodes an opportunity to drop. I anticipate at some time, the Section Manager will take control of the net and dedicate it solely for Irma use. Please respect that decision.

**American Red Cross.** Gerry, WA6POZ, reports that the Tallahassee chapter of the American Red Cross will be the command center for that organization's Hurricane Irma efforts. As such, we can expect between 100-200 Emergency Response Vehicles arriving here in the next couple of days with about 300 volunteers. At this point National Headquarters wants to alert hams to be prepared. While there is no communication's emergency necessitating amateur radio, there is, however, an anticipated need for communicators to go to shelters, for people to act as sheltering personnel. That is, the ARC puts a trained person or persons at their shelters to control what is going on. Because the Red Cross anticipates a big influx of persons fleeing Irma's wrath, it sees an accompanying need for shelter personnel. If you are interested in volunteering for this assignment, training for it will be provided this Saturday, September 9, at 0900, 1200 and 1700 at the Red Cross Headquarters on Easterwood Drive.

**Final Advice-Charge your Bao Feng!!!**



Repeaters Capital Area Region

Location	County	Call Sign	Backup Power	Digital Mode	Output Freq	PL	Special Configuration	Height ft.
Crawfordville	Wakulla	K4WAK	No		145.450 -	94.8		300
Crawfordville	Wakulla	KB5IKR	Yes	Fusion	444.450 +	94.8	Yaesu System Fusion C4FM WIREX Connected (Auto)	400
Crawfordville	Wakulla			Fusion	442.850 +	94.8	Yaesu System Fusion (Auto)	
Greensboro	Gadsden	NX4DN		Fusion	147.390 +	94.8	Yaesu System Fusion DCS 023 WIREX Connected (Auto)	300
Greensboro	Gadsden	NX4DN		NXDN	444.125 +	94.8	NXDN World Wide Network	300
Monticello	Jefferson	WX4JEF	No		145.430 -	94.8		270
Quincy	Gadsden	W4EAF	Yes		147.165+	94.8		250
Tallahassee	Leon	AE4S	Yes	P-25	146.655 -	94.8		550
Tallahassee	Leon	N4PG	Yes		146.610 -	203.5		200
Tallahassee	Leon	K4TLH	Yes	P-25	146.910 -	94.8	Temp TARS Talk-In	375
Tallahassee	Leon	K4TLH	Yes		147.030 +	94.8		750
Tallahassee	Leon	KA4EOC	Yes		147.285 +	94.8		350
Tallahassee	Leon	K4TLH	Yes		442.100 +	94.8	Statewide Amateur Radio Net (SARnet) See Next Page	600
Tallahassee	Leon	K4TLH	No		442.850 +	94.8		275
Tallahassee	Leon	KJ4G	Yes		443.400 +	131.8	Host of Echolink Node #3950	575
Tallahassee	Leon			Fusion	444.800 +	94.8	Yaesu System Fusion (Auto)	
Tallahassee	Leon	AE4S	Yes	P-25	443.950 +	94.8		550
Tallahassee	Leon	N4NKV	Yes		444.400 +	131.8	NXDN World Wide Network	CRMC (200)
Tallahassee	Leon	KD4MOJ	Yes		444.000 +	94.8		TMH (200)
Tallahassee	Leon	NX4DN		NXDN	444.175 +	94.8	NXDN World Wide Network	175
Tallahassee	Leon	NF4DG	Yes	D-Star	146.835 -	DV		180
Tallahassee	Leon	NF4DG	Yes	D-Star	443.450 +	DV		180
Tallahassee	Leon	NF4DG	Yes	D-Star	1293 -	DV		180
Tallahassee	Leon	NF4DG	Yes	D-Star	1253	DD		180
Wacissa	Jefferson	K4TLH	No		147.000	94.8		300
Wacissa	Jefferson			Fusion	444.050 +	94.8	Yaesu System Fusion (Auto)	
Thomasville	Thomas				145.370 -	141.3		
Thomasville	Thomas				442.600 +	141.3		
Reno	Grady	KE4URL	Yes		145.170 -	141.3		600

The most current repeater list is available on the TARS website:

[www.k4tlh.net/repeaters](http://www.k4tlh.net/repeaters)

For *SARnet* information (Locations, Repeaters and operational status) visit:

<http://www.sarnetfl.com/>







73

Dave  
WA4WES  
TARS Newsletter Editor

