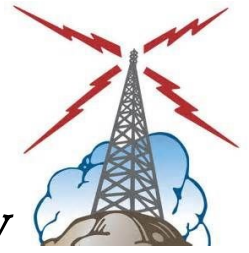




# SLATS

*St. Louis Amateur Television Society*



**MAY 2023 | ISSUE NO. 5**

IN THIS ISSUE

**ON THE NEWS FRONT.....01**  
**WØATN NEWS FRONT..... 02**  
**WØATN/R Repeater Updates .....03**  
**RADIO MASTER REPORT.....04**  
**ITEMS FOR SALE OR TRADE.....05**  
**HAM RADIO QUICK LINKS.....05**

## **ON THE NEWS FRONT**



## **Dayton Hamvention 2023 May 19, 20, 21**

[Home - Hamvention](#)

### **When is the show?**

**Friday May 19th 9:00 AM – 5:00 PM**  
**Saturday May 20th 9:00 AM – 5:00 PM**  
**Sunday May 21st 9:00 AM – 1:00 PM**

### **Where is the show?**

**Greene County Fair and Expo Center**  
**210 Fairground Road, Xenia 45385**  
**Coordinates are 39.702 N – 83.9420 W**

If you are going to Hamvention, Check out the Forums. You are invited to attend the “Fast Scan TV” forum on Saturday in Room 4 starting at 10:40am. Mel, K0PFX will be giving a talk on Introduction to Digital ATV and Mike WA6SVT’s talk on the Amateur Television Network. Also, Mel will be the moderator for the Digital Modes forum on Sunday morning starting at 9:15am. Sunday is free admission to the Hamvention which helps the forums and attendance for the last day of the hamfest. I hope you can make it! For more into on the forums visit <https://hamvention.org/event-details/forums/>



## **WØATN/R Repeater Updates**



Mel, KØPFX

### **24/7 programmable 15Amp Switching ON/OFF Timer**

#### **24/7 programmable 15Amp Switching ON/OFF Timer**

Repeater lost power due to an outage on Rule Avenue near the repeater site on May 2nd. Probably due to the 3 days of high winds hitting over 45mph. Earle said he heard a loud “noise” which appeared to cause the 3 hour or so loss of AC power. When the power came back on, the repeater did not! Trouble shooting with Earle lead to the 24 hour/7day Timer memory back-up battery had depleted. The battery voltage must have dropped too low for retaining the data and then defaulted to OFF when power did come back on (which is better than an “ON” default).

Google research found the Li-On battery is integral to the timer’s controller board and has “welded” wire leads. Probably not worth replacing. Also, this timer has been switching the repeater off/on daily for years now and the relay contacts could be pitted not to mention the battery’s age. I was able to re-program it and the timer did function OK. Last night (May 2<sup>nd</sup>) it shut down the repeater and turned it back on this morning, so all is well for now. I found a new timer replacement on AMAZON, and it should be installed by the time you read this.

#### **Down streaming video/auto to ATV Repeater**

“Armand, KDØPXF continues to work on the “black box” option to IP downstream video/audio to the repeater’s *transmitter*. Login security requiring proper credentials is a must since only “hams” may have access. There are a couple ways to do this, and it may have to be limited for security issues. Club members-only will be given initial access allowing temporary repeater to use when members “can’t make it into the repeater over-the-air.” This down streaming in conjunction with the up streaming should give members full access when their equipment breaks down, path lost, verify repeater operation, experimenting, etc. More on this project later. Stay tuned...”

Mel, KØPFX



# RadioMaster Reports

## Survivalist Communications for the SHTF Prepper

[RadioMaster Reports | Survivalist Communications for the SHTF Prepper](#)

PRINT THIS PAGE

WALLET SIZE

PREPPER & SURVIVALIST SHTF FREQUENCIES  
2-WAY RADIO COMMUNICATIONS

RADIO SERVICE	CHANNEL NAME	FREQUENCY MHZ	DESCRIPTION MODE
FRS UHF	FRS 3	462.6125	FM PREPPER
GMRS UHF	GMRS17	462.6000	FM SURVIVALIST
GMRS UHF	GMRS20	462.675+	FM PL141.3RPTR+5MHZ
PMR UHF	PMR 3	446.03125	FM PREPPER
MURS VHF	MURS 3	151.940	FM PREPPER
CB AM	CB 3AM	26.985	AM PREPPER
CB AM	CB 9AM	27.065	AM HIGHWAY SAFETY
CB SSB	CB 36U	27.365	USB SURVIVALIST
CB SSB	CB 37U	27.375	USB PREPPER
CB FREEBAND	FB368U	27.368	USB SURVIVALIST
CB FREEBAND	FB378U	27.378	USB PREPPER
CB FREEBAND	FB425U	27.425	USB SURVIVALIST
LOWBAND VHF	LOW334	33.400	FM SURVIVALIST
HAM UHF	HAM U3	446.030	FM PREPPER
HAM VHF	HAM 42	146.420	FM PREPPER
HAM VHF	HAM 52	146.520	FM HAM CALLING
HAM VHF	HAM 55	146.550	FM SURVIVALIST
HAM HF	HAM10M	28.305	USB PREPPER
HAM HF	HAM20M	14.242	USB PREPPER
HAM HF	HAM40M	7.242	LSB PREPPER NETS
HAM HF	HAM60M	5.357	USB SURVIVALIST NVIS
HAM HF	HAM80M	3.818	LSB PREPPER NETS
LAND SAR VHF	SAREMT	155.160	FM SEARCH&RESCUE
MARINE VHF	MAR 16	156.800	FM SAFETY CALLING
MARINE VHF	MAR 72	156.625	FM BOAT PREPPER

2013 Public Domain  
Source: RADIOMASTER REPORTS

More frequencies at: [RADIOFREEQ.WORDPRESS.COM](http://RADIOFREEQ.WORDPRESS.COM)

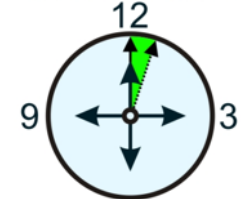
### SHTF FREQUENCY LIST

THIS CHART OF ACTIVE SURVIVALIST AND PREPPER FREQUENCIES WAS RELEASED INTO THE PUBLIC DOMAIN IN 2013 BY RADIOMASTER REPORTS.



More information about this list, and frequency charts with programming files are available at [RADIOFREEQ.WORDPRESS.COM](http://RADIOFREEQ.WORDPRESS.COM)

### 3-3-3 Radio Plan



For SHTF Communications. Turn on your radio. Every 3 hours. For 3 minutes. Channel 3.

#### 3-3-3 RADIO PLAN - The Survivalist Radio Schedule

This is the "When, Where, and How" to make radio contact with each other for SHTF. The 333 Radio Plan was designed for SHTF communications, when normal methods of communication fail. Versions of the 3-3-3 are used by survivalist, prepper, and emergency communications groups worldwide. It is based on the easy-to-remember "Survival Rule of Threes". It is often called an emergency radio schedule or *sked*.

DESK SIZE

PREPPER & SURVIVALIST SHTF FREQUENCIES  
2-WAY RADIO COMMUNICATIONS

RADIO SERVICE	CHANNEL NAME	FREQUENCY MHZ	DESCRIPTION
FRS UHF	FRS 3	462.6125	FM PREPPER
GMRS UHF	GMRS17	462.600	FM SURVIVALIST
GMRS UHF	GMRS20	462.675+	FM PL141.3RPTR+5MHZ
PMR UHF	PMR 3	446.03125	FM PREPPER
MURS VHF	MURS 3	151.940	FM PREPPER
CB AM	CB 3AM	26.985	AM PREPPER
CB AM	CB 9AM	27.065	AM HIGHWAY SAFETY
CB SSB	CB 36U	27.365	USB SURVIVALIST
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CB FREEBAND	FB368U	27.368	USB SURVIVALIST
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HAM VHF	HAM 52	146.520	FM HAM CALLING
HAM VHF	HAM 55	146.550	FM SURVIVALIST
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MARINE VHF	MAR 72	156.625	FM BOAT PREPPER

2013 Public Domain  
Source: RADIOMASTER REPORTS

More frequencies at: [RADIOFREEQ.WORDPRESS.COM](http://RADIOFREEQ.WORDPRESS.COM)



#### ABOUT THE 3-3-3 RADIO PLAN

Here's how the 3-3-3 Radio Plan works:  
Turn on your radio. Every 3 hours. For 3 minutes. Channel 3.

#### WHEN: EVERY 3 HOURS

Always use your Local Time for local area communications with the 3-3-3 Radio Plan. At the "top of the hour", each 3 hours:  
Noon, 3pm, 6pm, 9pm.  
Midnight, 3am, 6am, 9am.

#### HOW LONG: FOR 3 MINUTES

At the top of every 3rd hour, turn on your radio. Even if you don't need to make a call yourself, always turn on your radio and listen for calls for at least 3 minutes. This is because you never know if someone may be trying to reach you, or may need help. If you need to check in, make a short transmission at this time. Say "This is me, just checking in." If you have sufficient battery power, or if you have not connected in for a while, then you should listen for 15 minutes.

#### ACCURATE TIME KEEPING

Synchronize your watch with others whenever possible. If you doubt your watch accuracy, compensate by keeping your radio on for a longer duration, before and after every 3rd hour. If you don't have a watch, try listening to an AM broadcast radio station, they always identify their call letters at the top of each hour.

#### WHERE: CHANNEL 3

Channel 3 usually applies to CB, FRS, or MURS. These are the most common types of radios used. If your group has a different designated SHTF channel or Prepper SHTF HAM frequency, you should use it instead of Channel 3. For example, the ham 2 meter simplex calling channel 146.520 MHz. The rest of the 3-3-3 Radio Plan remains the same. Keep it simple.

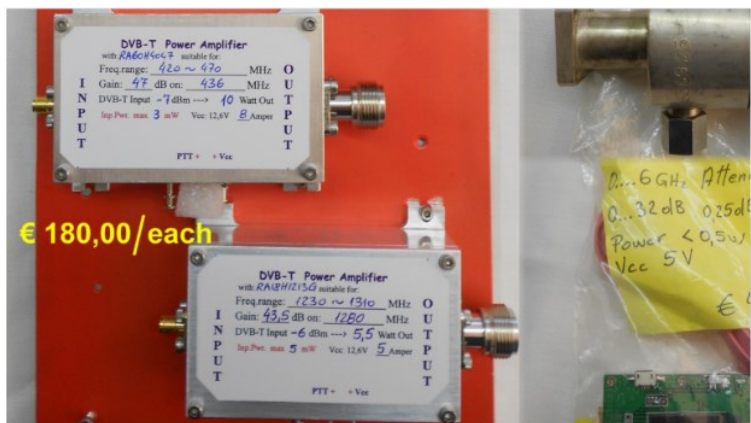
#### HOW IT WORKS: FEATURES OF THE 3-3-3 RADIO PLAN

1. Easy for everyone to remember the "Rule of Three".
2. Conserves precious battery life for walkie talkies.
3. Gets everyone on the air at the same time.
4. Sets a schedule of 8 times per day to call each other.
5. Avoids impractical hourly schedules.
6. Enables the use of short transmissions for optimum success and security.
7. Three hours is enough time to rest in a survival situation.
8. A person can walk 8 miles in 3 hours, the practical distance limit of handheld radios over average terrain.

**ITEMS FOR SALE OR GIVE AWAY: Ham Radio Quick Links:**

**SUPER SALE**

Darko Banko, OE7DBH, is clearing out much of his fine DATV gear! There is way too much to list here, so he gave us a link to his [SALE](#)



[BROCHURE](#) **Download**

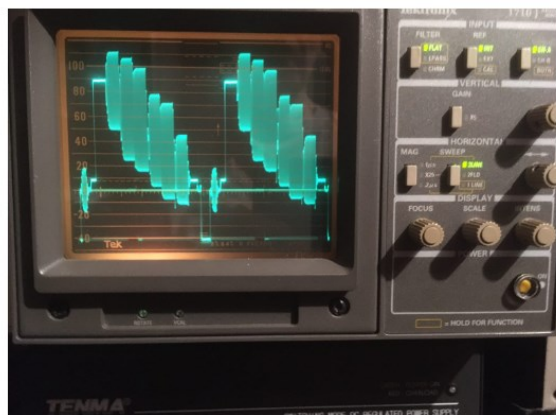
Just a sample of what Darko is selling on his [website](#).

**TEKTRONIX 1710J NTSC WAVEFORM MONITOR**

I want to:  
SELL IT  
**Name**  
Gary Leu  
**Call Sign**  
NØGL  
**Email**  
[n0gl@charter.net](mailto:n0gl@charter.net)

Tektronix 1710 J. NTSC Waveform Monitor

\$25 plus \$15 shipping or pick up locally. In good working condition. Currently mounted in a 19" rack tray with the companion Vectorscope (see below)



Tektronix 1710J Waveform Monitor

[Amateur Television Network](https://www.atn-tv.com/)  
<https://www.atn-tv.com/>

[ATN Repeater video streaming](https://www.atn-tv.com/events/streaming)  
<https://www.atn-tv.com/events/streaming>

[ATN on YouTube](https://www.youtube.com/AmateurTelevisionNetwork)  
<https://www.youtube.com/AmateurTelevisionNetwork>

[ATN on Whereby.com](https://whereby.com/atn1)  
<https://whereby.com/atn1>

[TAPR - Tomorrow's Ham Radio](https://tapr.org)  
<https://tapr.org>

[DIGITAL ATV](https://www.dxzone.com/catalog/Operating%20Modes/Digital%20ATV/)  
**Digital Amateur Television D-ATV**  
[https://www.dxzone.com/catalog/Operating Modes/Digital ATV/](https://www.dxzone.com/catalog/Operating%20Modes/Digital%20ATV/)

[YouTube Videos](https://www.youtube.com/channel/UCaBtYooQdmNzq63eID8RaLQ)  
**Dave Casler KEØOG - YouTube Videos**  
<https://www.youtube.com/channel/UCaBtYooQdmNzq63eID8RaLQ>

[Solar Index & Propagation Made Easy](https://www.youtube.com/user/TheSmokinApe)  
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