



The Airwaves

Journal

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Upcoming Meetings & Events

April 27th – NVIS Day - South Park in Mansfield

May 09th – Ham of the Year Banquet (details inside)

May 16th – IARC Breakfast Club – Bob Evan’s on Hanley Road – 9:00am

May 17th – 19th – Dayton Hamvention

May 27th – Memorial Day

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Wednesday Night Nets

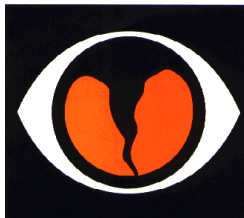
Check-in on the nets on our
146.940 repeater at 8pm local as
well as our statewide net on our
DMR repeater on 444.700 –
TG 3139

Who knows, you might just
hookup with an old friend or
two.

This Newsletter is for everyone!

Please feel free to pass along to anyone that
might have an interest!!

Have them send me their email and they’ll get
it direct!



SKYWARN

Ohio

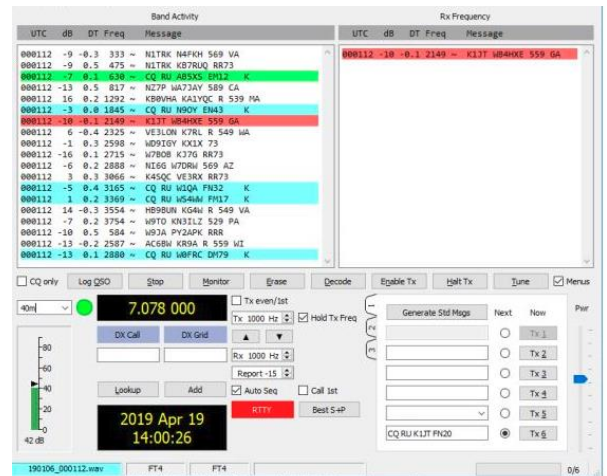
National News

Faster, More Contest-Friendly FT4 Digital Protocol to Debut in a Week

(from arrl bulletins)

A new, speedier, more contest-friendly digital mode is just days away in beta version. [WSJT-X](#) Developers say serious work on the new FT4 protocol began shortly after the FT8 Roundup held last December 1 – 2. The goal was a mode that could compete with RTTY contesting in terms of contact rates, while preserving many of the benefits of FT8.

“Over the past month a small group of volunteers have been conducting on-the-air tests of FT4,” the [WSJT-X](#) Development Group — Joe Taylor, K1JT; Steve Franke, K9AN; and Bill Somerville, G4WJ — announced this week. “The early tests were very successful and helped us to make a number of important design decisions. We believe FT4 has considerable promise for its intended purpose.”



The developers say FT-4 soon will be ready for testing by a larger group and they’re seeking interested participants who can offer their “considered feedback.” They suggest reading [The FT4 Protocol for Digital Contesting](#) first.

According to the document FT4 is an experimental digital mode designed specifically for radio contesting that — like FT8 — uses fixed-length transmissions, structured messages with formats optimized for minimal contacts, and strong forward-error correction. Transmit-receive sequences are 6 seconds, making it 2.5 times faster than FT8 and about the same speed as conventional RTTY for radio contesting. FT4 can work with signals 10 dB weaker what would be required to decode RTTY while using much less bandwidth. Transmissions last for 4.48 seconds, compared to 12.64 seconds for FT8. Modulation uses four-tone frequency-shift keying at approximately 23.4 baud, with tones separated by the baud rate. The occupied bandwidth is 90 Hz.

“We plan to post downloadable installation packages for [WSJT-X](#) version 2.1.0-rc5 (-rc versions are so-called “release candidate” software) on Monday, April 29,” the Development Group said. [The FT4 Protocol for Digital Contesting](#) document includes:

- Instructions for installing [WSJT-X](#) 2.1.0-rc5 and configuring FT4.
- FT4 operating instructions.
- A basic description of the FT4 protocol, modulation, and waveform.
- Detailed sensitivity measurements for FT4 under a wide variety of simulated propagation conditions.
- A schedule of upcoming test sessions.

Secured Area on the IARC.Club Website

Hey Gang,

There is a “secured” area on the club website, have you visited it yet? This is for members only. You do have to complete a registration form first. Once completed and approved, you will be allowed access into this “secured” area. This particular area is for members only. The rest of the website is open to anyone and we hope that you do share all of the information that is on the open portions of the website with you friends.

Here’s a link to get you signed up for the “Members Only” pages: <http://iarc.club/registration.html>

IARC Board

President

Duane Meadows, [K8MDA](#)

Vice President

Danny Bailey, [W8DLB](#)

Secretary

Jane Yonally, [K8YPW](#)

Treasurer

Harry Maines, [N8XMI](#)

Board for 1 year

Open

Board for 2 year

John Ness, [K8NJ](#)

Board for 3 year

Dave Weigold, [N8DPW](#)

Corporate Agent

Harry Frietchen, [K8HF](#)

Repeater Trustees

W8WE/R 146.940 (-)

K8HF/R 147.360 (+)

Harry Frietchen, [K8HF](#)

W8WE/R 444.700 (+ DMR)

Club License Trusee (W8WE)

Harry Frietchen, [K8HF](#)

IARC Breakfast

Hey Gang,

Did you know that IARC has a Breakfast gathering every 3rd Thursday of the month? It’s true and very well attended. If you have the time, we’d love to see ya’ at the next breakfast. The next Breakfast will be Thursday – May 16th @ 9am – at the Bob Evans on Hanley Road.



We sure hope to see ya’ then!!

Electronic Equipment Disposal

Hey Gang,

Got some old computer equipment or TV's that you just don't want anymore, and they aren't worth anything? I've got a great way of helping you get rid of them without breaking the bank, and it will help our community by providing jobs to our local economy. Let me introduce you to - Disposal Services from Richland Newhope. Your materials may be dropped off during normal business hours at: 971 West Longview Ave., Mansfield, OH 44906. Now if this is not convenient for you, you can also schedule for pickup by calling: 419-774-4496, extra charges will apply however.

Here's what they will take, and what they charge.

IT Electronics: this includes equipment required for PC or Server functionality, including desktop PC's, laptops, servers, routers, network equipment, tablets, docking stations, smart phones No Cost \$0.00

Data Destruction (Shredding hard drives) **\$6.00 per unit**

Batteries (Alkaline, NICD, NIMH, LI, and lead acid less than 30lbs) **\$1.00 per pound**

CRT Monitors/ Terminals/TV's **\$0.30 per pound**

LCD/Plasma TV's and LCD Monitors broken and less than 17" **\$0.30 per pound**

Printers, Copiers and Fax equipment **\$0.15 per pound**

Non-IT Electronics **\$0.15 per pound**



Wednesday Night Nets

Come join us each Wednesday evening at 8p for the Richland County ARES Net on the Mansfield 146.94 Repeater, W8WE/R.

Also, come join us on the DMR Net each week too. That Net is on the Ohio Talkgroup 3139 at 8:30p Wednesday's

ARES Connect

ARES Connect

Instructions to Register

Enter ARES Connect

Have you registered in the new ARES Connect yet? You'll want to for sure. It's the new reporting system for all of ARES in the country. Yes, it will replace our current system in a few months, so you'll want to get registered now so that you'll be used to what all the features do and how to report **before** we have to go completely onto this new system.

It's really easy to get registered. All you have to do is click on this [link](#) to get you started. Answer a few questions and it's all done, you'll be registered. Then you will want to get yourself registered for all the various events that are there. It's really easy to do and that's it, your hours for participation will be automatically recorded! How much easier than that can it be.

IARC Ham of the Year Banquet

When: May 9th

Where: *Diner 39 Restaurant*
180 OH-39
Shelby, OH

Time: Meet and Greet will be at 5:30pm
Dinner will be promptly at 6:00pm

In order for us to give the restaurant an accurate head count, we do need to know how many people will be coming in advance. Here's a link to register: <http://iarc.club/reservation.html>

The Deadline for getting your reservations in are Monday, May 6th!!

Please.. We need you to make reservations and not just show up

For Sales



Got something that you want to sell? Send you list of items to me at n8sv@n8sv.com and I'll get it posted in the next edition of Airwaves..

Oh, by the way, you can also find these items listed on the Swap & Shop portion of the website. Just go to: <http://iarc.club/s-s.html> for the latest listings

For Sale:

I have a Yaesu FT-8900R Quad Band radio (10m, 6m, 2m, and 70cm, analog FM), a Diamond CR-8900A Quad band antenna, and a RT Systems programming cable for the radio.



The radio comes with a remote head kit. I put Anderson PowerPole connectors on the radio power cable. I'm asking \$350 for the whole package.



Contact: Lee Farquharson, N8LFK @ n8lfk@arrl.net

For Sale:

Black Tarheel 75 mobile screwdriver antenna 10 Meter Thru 80 Meter with 6ft black whip
Included Ancillary Equipment:

- * Manual Control switch with 20ft of cable
- * Mount MT1S
- * Capacitance Hat CH1B Black



Yaesu FT-100D mobile transceiver with original box, manual, schematics and microphone with new cable and PTT switch.



I recently used it on 20m and 80m when my FT-857D was in for repair. It has not had much use on VHF/UHF or 6M .

Third party separation kit included with the caveat that there is no mount for the face plate. I used a cellphone holder when I used it in a mobile installation.

Yaesu Tune Control for Yaesu FT-100D, FT-857D and FT-897 manufactured by The Better RF Company (No longer manufactured) Makes the Tune button on your Yaesu radio emit lower power for tuning in any mode and also can interface to some Icom tuners and other devices.

Please contact Paul, WD8OJL at 419-528-8883 via voicemail, text or email WD8OJL@neo.rr.com

Next IARC V.E. Test Session

Upcoming Test Sessions for 2019. All test sessions will start at 1pm unless otherwise noted and will be at:

People's Community Center
597 Park Avenue East
Mansfield, OH 44905

July 20; October 20; January 18, 2020

For more details or other V.E. Test Sessions, visit: <http://iarc.club/ve-testing.html>



Nominations for Officers and 1 Director

As per the By-Laws of IARC Nominations for Officers and 1 Director position is now open.

5. Elections

A.) Nominations Chairperson will be appointed by the President and nominations for Officers and elected Board members will commence at the April meeting and posted on the website. The election of elected Officers and elected Board members will be held at the June meeting. If any office is contested, a paper ballot will be given to every paid member in attendance at that meeting. The ballots will be counted and the winner will be announced then. A simple majority is needed to win an office.

1. Anyone being nominated for an Officer or Board position, elected or appointed must be a current paid member of the IARC, Inc. in good standing at the time of their nomination. If elected, they must maintain their paid membership during the entire term of office.

- B.) Vacancies occurring among the Officers and Directors between regular elections will be filled by a special ballot at the first regularly scheduled meeting after the vacancy exists.
- C.) If a vacancy occurs with the President position, the Vice President will fill that vacancy and the special election will be for the newly opened Vice President position.
- D.) The newly elected Officers and the Board members will take office immediately following the June meeting.

For more information contact Duane, [K8MDA](#)

Interested in Joining IARC

Dues are still just \$12 It's just a lot of fun and great ham talk!
There's always something of interest at the meetings.



Please send your dues to:
Harry Mains, N8XMI
593 Woodcrest Drive
Mansfield, OH 44905

We meet every 1st Friday of the month (except May, July & August) at 7:30, at:

People's Community Center Community Room
597 Park Avenue East, Mansfield, OH.

For your convenience, you can also pay by credit card or PayPal.. http://iarc.club/mem_page.html