



# The Airwaves

## Journal

Volume 47

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February 2020

### Upcoming Meetings & Events

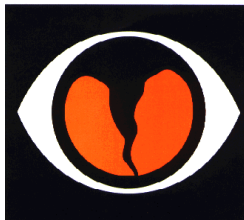
March 6<sup>th</sup> – IARC Club meeting 7:30pm (details inside) Hamfest wrap up

March 8<sup>th</sup> – Daylight Saving Time begins

March 14-15 – Toledo Hamfest / Great Lakes Division Convention

March 17 – St. Patrick's Day / Election Day in Ohio

March 19 – IARC Breakfast – (details inside)



**SKYWARN**

*Ohio*

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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!

## National News

### *International Space Station Resupply Mission to Carry New ARISS Ham Radio Gear*

The scheduled March 7 SpaceX CRS-20 mission to the International Space Station (ISS) will include the initial Amateur Radio on the International Space Station ([ARISS](#)) Interoperable Radio System (IORS) flight unit. The IORS is the foundation of the ARISS next-generation amateur radio system on the space station. The ARISS hardware team built four flight units, and the first will be installed in the ISS *Columbus* module.

A second flight unit expected to be launched on a later 2020 cargo flight will be installed in the Russian Service Module. NASA contracts with SpaceX to handle ISS resupply missions.



The IORS represents the first major upgrade of on-station ARISS equipment. The package will include a higher-power radio, an enhanced voice repeater, and updated digital packet radio (APRS) and slow-scan television (SSTV) capabilities for both the US and Russian space station segments.

The IORS consists of a custom-modified JVCKenwood TM-D710GA transceiver, an AMSAT-developed multi-voltage power supply, and interconnecting cables. Once at the space station, the IORS will be stowed for later installation.

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### *AMSAT Cites Need for Adequate Spectrum in Opposing Deletion of 3.4 GHz Band*



AMSAT has [commented](#) on the FCC *Notice of Proposed Rulemaking* ([NPRM](#)) in WT Docket 19-348 that proposes to delete the 3.3 – 3.5 GHz (9 centimeter) amateur band and relocate incumbent non-federal operations. The band includes the 3.40 – 3.41 GHz Amateur Satellite service allocation. In its remarks, AMSAT said it opposes deletion of the allocation and stressed the necessity of having adequate microwave spectrum available for future amateur satellite projects, including AMSAT’s GOLF program and the Lunar Gateway. AMSAT acknowledged that the 3.4 GHz Amateur Satellite service allocation is not currently used by any amateur satellites and that it is unsuitable for worldwide communication because it is not available in ITU Region 1. AMSAT said a number of potential future uses for the band remain, however, as worldwide usage of other available allocations increases.

“These potential uses include a future amateur satellite in geostationary orbit above the Americas,” AMSAT said, explaining that the segment could support uplink or downlink frequencies for such a spacecraft without potential interference to worldwide activities involving space stations in high-earth or lunar orbit. The most-desirable allocations for use as uplinks are between 2.4 GHz and 5.67 GHz — 80 megahertz in all, AMSAT told the FCC. “As many of the proposed uses include amateur television and high-speed data transmission with satellites in high-earth orbit or lunar orbit, these allocations may quickly become inadequate,” AMSAT said.

AMSAT told the FCC the 3.40 – 3.41 GHz allocation could be utilized as a command channel or secondary data downlink for AMSAT ground stations in ITU Region 2 without interfering with the primary communications on the other allocations or other satellites utilizing those segments.

AMSAT said several non-amateur satellites use the broader 3.3 – 3.5 GHz amateur allocation, which also sees wide use for amateur radio mesh networking, EME communications, and contesting.

“The amateur satellite service continues to provide immense value to the growing field of small satellites,” AMSAT concluded. “Experiments conducted by amateur satellites...continue to inform the development of the commercial small satellite industry. Additionally, student participation in amateur satellite projects provides both inspiration for young men and women to pursue careers in the commercial satellite industry and practical experience for those careers.

“A strong and robust amateur satellite service will continue to benefit the public interest and inspire future developments in satellite technology,” AMSAT said. “Continued progress in achieving these goals requires adequate spectrum, especially in suitable microwave bands.” — *Thanks to AMSAT News Service via AMSAT Executive Vice President Paul Stoetzer, N8HM*

### **IARC Board**

#### **President**

Duane Meadows, [K8MDA](#)

#### **Vice President**

Danny Bailey, [W8DLB](#)

#### **Secretary**

Kyle Crawford, [KD8GEI](#)

#### **Treasurer**

Harry Maines, [N8XMI](#)

#### **Board for 1 year**

John Ness, [K8NJ](#)

#### **Board for 2 year**

David Weigold, [N8DPW](#)

#### **Board for 3 year**

Karen Danielson, [KD8MGB](#)

#### **Corporate Agent**

Harry Frietchen, [K8HF](#)

### **Repeater Trustees**

W8WE 146.940 (-) Analog

**W8WE License Trustee**

Harry Frietchen, [K8HF](#)

K8HF/R 147.360 (+) Analog

Harry Frietchen, [K8HF](#)

W8WE 444.700 (+) DMR

**W8WE License Trustee**

Harry Frietchen, [K8HF](#)

## District 6 Meeting / Get Together

Every month Danny, W8DLB our District Emergency Coordinator has a meeting / get together at Denny's in Ontario to go over the latest news, concerns and techniques in ARES. The meeting starts at **6pm** in the back meeting room. The next get together is scheduled for **Saturday March 21<sup>st</sup>**. How's about joining us for some great food and camaraderie. Who knows, you just might pick-up some interesting news about what's happening around the state with ARES!

## 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 – **March 19<sup>th</sup> @ 9am – at the Bob Evans on Hanley Road.**



We sure hope to see ya' then!!



## 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

Have you registered in the new ARES Connect yet? You'll want to for sure. It's the new reporting system for everyone in the country. Yes, it has already replaced our current system, so you'll want to make sure that you get registered now and start using the system so that you'll be used to what all the features.

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.

**"ARES Connect"**

**Enter**

ARES Connect Helpful Instructions

## IARC Meeting Minutes

### **IARC Minutes for the Meeting of February 7, 2020**

The meeting was called to order by the President, Duane, K8MDA at 1931

WB8LCD, Special Guest from Ohio Section.

### **Reading and Correction of Previous Meeting's Minutes**

The minutes for the meeting of were approved as presented. Moved/seconded by: W8DKB/K8NJ

### **Financial Report**

The Financial Report was presented by Harry, N8XMI, and approved. Moved/seconded by:

N8DPW/W8DLB

40 Paid members; 16 Present

### **Health & Welfare Report**

Dave Wolf WD8LZZ (SK) 01/11/20

Jerry Rhodes KB8AMF (SK) Statistician for OSSB Net

K8LPC in Cleveland Clinic not doing well

### **Education Committee Report**

No schedule yet for Technician class.

### **Technical Committee Report**

No report

### **ARES Report**

District 6 ARES get-together tomorrow 1800 at Denny's due to Hamfest next week

### **ARRL Report**

WB8LCD, Affiliated Clubs Coordinator for State of Ohio presented the IARC with Special Service Club certificate. Of 116 ARRL Affiliated clubs in the Ohio Section only 10 are Special Service Clubs.

### **PIO Report**

No Report

### **Old Business**

IARU 2 Scholarship – per Tom, KB8UXS, no contact from group that is putting it on.

### **HamFest Updates**

Pre-Sale tickets were mailed today.

15 tables in Fairhaven; 9 in Arts & Crafts to date

Forums moved to John Hartz Building due to auction taking place in Youth Building

Door Prizes secured

**Do NOT Park next to the Kitchen entrance!**

**New Business**

Board Meeting next month at 1830

There is a scam email going around that is spoofing the IARC and IARC officers. The email is asking for gift cards for veterans or other charities. Do NOT open. If you open it, do NOT reply, simply delete the email.

The return address is to watch our for “[reference\(at\)basseanin\(dot\)com](mailto:reference(at)basseanin(dot)com)”

**50/50 Drawing:** John was the winner!

The meeting was adjourned at 2026 on motion N8CJS/W8DLB

**For Sales**

Got something that you want to sell? Send you list of items to me at [n8sy@n8sy.com](mailto:n8sy@n8sy.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

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**For Sale:**

J-pole antenna 20.00

Kenwood TS130SE HF rig with Electro Voice 638 microphone \$300

Microphone and boom kit with wiring for Kenwood HF rig \$100

ADI AR-147 2 meter mobile \$50

JPS Communications NIR-10 DPS unit \$70

They can contact me Tom, N8TWM by email at [Tmill604@aol.com](mailto:Tmill604@aol.com) for more info.







#

**FOR SALE**

ICOM IC-746 PRO.... 100w 160 thru 2m + PS125 power supply. Rig is 100%, not a lot of use. Seriously interested folks can contact me, W8NW

at: [DHomerick@neo.rr.com](mailto:DHomerick@neo.rr.com)



## Next IARC V.E. Test Session

Upcoming Test Sessions for 2020. All test sessions will start at 1pm unless otherwise noted and will be at:

**April 18th** - testing starts at 1pm \*\*New location, Sheriff's office on the Richland County Fairgrounds

**July 18th** - testing starts at 1pm \*\*New location, Sheriff's office on the Richland County Fairgrounds

**October 17th** - testing starts at 1pm \*\*New location, Sheriff's office on the Richland County Fairgrounds

Richland County Fairgrounds is located at:  
750 North Home Road  
Mansfield, Ohio 44906



For more details or other V.E. Test Sessions contact: **Rob Ruth** 419-566-1530 [Kd8azq@yahoo.com](mailto:Kd8azq@yahoo.com).

## Interested in Joining IARC



**They 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 July & August) at 7:30, at:

***Richland County Fairgrounds  
Administration Building  
750 N Home Rd  
Mansfield, OH.***

For your convenience, you can also pay by credit card or PayPal.. [http://iarc.club/mem\\_page.html](http://iarc.club/mem_page.html)