

NET ACTIVITY:
KEN: MONDAY 3.972.5 2330Z
KDN: TUESDAY 3.587 0030Z
KYN CW: DAILY 3.537 0100Z
STATEWIDE DMR: 7PM Cst -
Thursday Evening DMR: TG3121
STATEWIDE DStar 6PM Cst
REF56B
KY FUSION NET RM 40806
SAT 7 PM CST

SM: w4nho@arrl.net
SEC: sec@kyham.net
STM: kc4bqk@arrl.net
ACC: vacant
TS: n9ky@arrl.net
OOC: gary.k7ek@gmail.com
PIO: w0qi@icloud.com
KYHAM: admin@kyham.net

KENTUCKY NEWS
KENTUCKY SECTION MANAGER
STEVE MORGAN W4NHO
OWENSBORO KY 42301
HAPPENING OF THE MONTH
APRIL 2019



Petition for Rule Making Calls for "Amateur Digital Mode Transparency"

The FCC is accepting comments on a *Petition for Rule Making* ([RM-11831](#)) seeking to amend FCC Part 97 rules that require all ham radio digital transmissions to use techniques "whose technical characteristics have been documented publicly."

The *Petition*, filed by Ron Kolarik, K0IDT, of Lincoln, Nebraska, expresses concerns that some currently used digital modes are not readily and freely able to be decoded, and it asks the FCC to require all digital codes to use protocols that "can be monitored in [their] entirety by third parties with freely available, open-source software," per §97.113(a)(4).



Kolarik said his petition also aims to reduce levels of amateur-to-amateur interference from Automated Controlled Digital Stations (ACDS) on HF operating under §97.221(c)(2). Kolarik wants the FCC to delete §97.221(c), which permits automatic control of digital emissions provided the station "is responding to interrogation by a station under local or remote control, and [n]o transmission from the automatically controlled station occupies a bandwidth of more than 500 Hz." The petition does not call for eliminating ACDS, however.

Under current rules, ACDS are allowed in specific sub-

bands.

In his *Petition*, Kolarik maintains that interference from ACDS continues to be "a major problem on the amateur bands." He suggested that an absence of formal complaints may be due to the fact that such stations are "difficult to identify."

The *Petition* also proposes to amend §97.309(a)(4) to ease monitoring of certain digital transmissions. "Without open, over-the-air interception capability for all transmissions in the Amateur Radio spectrum, there is no way to determine if there is commercial or

other prohibited, inappropriate content in ongoing communications..."

Kolarik's *Petition* asserts. He said problems arise when "protocols and devices used in commercial, government, and marine services are used in the Amateur Service with no adequate means to fully decode transmissions," thwarting any efforts at self-policing of such transmissions. He said simplifying the language "would remove ambiguity about what constitutes 'publicly documented technical characteristics' by requiring any protocol to be freely decodable," and lead to "amateur digital mode transparency, present and future." Read [more](#).

Additional Amateur Radio-Related Petitions Open for Comment

The FCC has also placed three other Amateur Radio-related *Petitions for Rule Making (PRMs)* on public notice and has invited comments.

Jerry Oxendine, K4KWH, of Gastonia, North Carolina, wants the FCC to clarify that state and localities should have no authority to regulate Amateur Radio with respect to enacting "distracted driving" statutes. In his *Petition for Rule Making*, now designated as [RM-11833](#), Oxendine contends that such statutes violate FCC rules on scope and operation of equipment by licensees; violate the intent of the FCC and Congress with respect to Amateur Radio's role in disasters, and hinder emergency operations using mobile equipment.

"There is *no* evidence that the operation of two-way radio has but an insignificant impact on 'distracted driving,'" Oxendine stated.

Such distracted driving statutes usurp the authority of the FCC to regulate Amateur Radio, as well as Citizens Band and Part 90 Land Mobile Service users, Oxendine said in his *Petition*.

Edward C. Borghi, KB2E, of Farmington, New York, has submitted a *Petition*, now designated as [RM-11834](#), that would prohibit applicants from requesting a vanity call sign outside their call sign district. Exceptions would be made for call signs applied for under rules governing call signs previously held by family members.

"I see no reason for a licensee to have to compete with out-of-area people for the few 1 × 2 or 2 × 1 or catchy 2 × 3 call signs available in their area of residence," Borghi told the FCC.

Jeffrey Bail, NT1K, of West Springfield, Massachusetts, has submitted a very similar *Petition*, now designated as [RM-11835](#), asking that the FCC give residential preference in competing applications to applicants whose listed FCC address is within the same district/region as the applied call sign. He cites limited availability and increased demand for 1 × 2 and 2 × 1 call signs. Read [more](#).

FCC Petition RM-11831 Threatens Amateur Digital Operations Like Winlink

April 5, 2019--The FCC has opened for comment RM-11831, a proposal for rule making that would do two things the the US amateur radio rules:

1) remove paragraph (c) of 97.221. This would disallow narrow-bandwidth ARQ modes of 500 Hz or less from outside the specified 97.221 sub bands for automatically controlled digital stations. This will require all US Winlink HF gateway stations, regardless of mode/technique, to only operate within these narrow sub bands.

2) modify the wording of 97.309(4) thusly:

(4) An amateur station transmitting a RTTY or data emission using a digital code specified in this paragraph may use any technique whose technical characteristics have been documented publicly, **such as CLOVER, G-TOR, or PacTOR,** (remove *-*, add the following:) *and the protocol used can be be monitored, in it's entirety, by 3rd parties, with freely available open source software,* for the purpose of facilitating communications.

This effectively eliminates Pactor 2, 3, and 4 from the US amateur bands unless SCS steps up and publishes complete technical specifications, including their proprietary signal processing methods, and produces an open-source monitoring program allowing on-air eavesdropping by third parties (not likely).

The Winlink Team will have to produce monitoring software for an unconnected eavesdropper for WINMOR, ARDOP. VARA's author must do the same. The alternative is for Winlink to close shop for US licensees on HF amateur bands, or to eliminate B2F compression for messages sent by US-licensed amateurs. This will cause US users of all modes to suffer much longer transmission times by a factor of 2-10 times. Limits would not be placed on other users.

See and read the new proceeding from the link below. The 30-day comment period opened on 28 March. We have prepared a [document](#) containing useful arguments you may paraphrase for your comment filing. The formal [ARSAFI Motion to Dismiss RM-11831 and Petition for Rulemaking](#) is also here for your review.

https://www.fcc.gov/ecfs/search/filings?proceedings_name=RM-11831&sort=d...

Unless we receive support from users on this serious threat, Winlink may be forced to close shop on HF in the USA. US and non-US users and gateway operators are urged to educate themselves and file a comment soon!

Sincerely,

Lor Kutchins, W3QA

https://winlink.org/sites/default/files/rm-11831_response_arguments.pdf

DAYTON AUXCOMM COURSE

DAYTON AUXCOMM Course: It would be appreciated if you would please get the word out to your respective states regarding the Dayton Hamvention AUXCOMM course, which will be held in the Beavercreek, OH area from May 14-16, 2019. This would be an excellent time to attend an AUXCOMM course if any of your stakeholders happen to be headed towards Dayton for the convention. The Dayton Hamvention week is the largest convention of its type in the world. ECD has been conducting the three day version of AUXCOMM prior to the start of this conference for the past six years. This course is free. Prerequisites to get into the course are the typical scanned copies of the following certs: ICS-100, 200, 700 and 800, with an active FCC amateur radio license. A copy of all of these certificates, should be sent to COMU@hq.dhs.gov by 1 May to ensure your stakeholders will get a seat in this class. If you have any questions, please contact John Peterson at 703-705-6382 or via email at john.peterson@hq.dhs.gov

Thank you in advance!

John E. Peterson

Telecommunications Specialist

Cybersecurity and Infrastructure Security Agency

Office: 703-705-6382 Cell: 202-503-5074 Email: john.peterson@hq.dhs.gov

ETOWN HAMFEST - LINCOLN TRAIL ARC

The Lincoln Trail ARC Hamfest of April 6 2019 had a very successful event for their April Hamfest. Good crowd and a lot of fun had by all.



DMR forum was presented by Kyle Robinson K4KTR and provided useful information for those starting out and for those trying to find out what is coming down the pike.



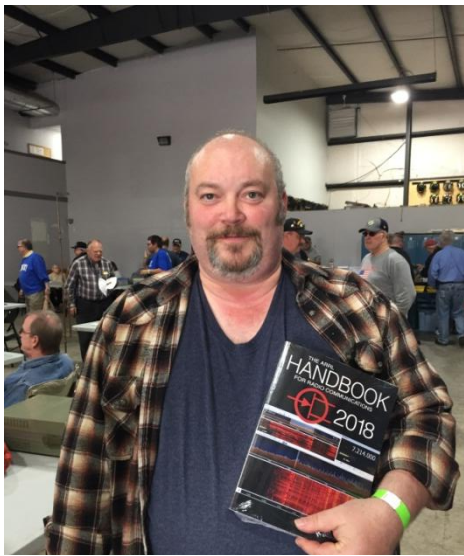


Figure 1 JIM RAYBURN KC4BQK STM, WINNER OF HANDBOOK DRAWING

During the ARRL forum, present by Steve Morgan, W4NHO KY SM, a drawing was held and Jim was the winner. Morgan provided those in attendance happenings in the state regarding ARES and the upcoming exercise in May. Also, provided information regarding several rule making decisions that are before the FCC this month, see May QST for further details regarding proposed changes regarding Tech class license.

CLUB OF THE MONTH WINCHESTER ARC - W4PRC

The Winchester Pioneer Amateur Radio Club

The Winchester Pioneer Amateur Radio Club is located in Winchester, Kentucky and is for all licensed amateur radio operators or anyone interested in the amateur radio hobby. The club callsign is W4PRC, which is a vanity call for "Winchester 4 Pioneer Radio Club".

There are two repeaters associated with this club, one on the 2-meter band and the other on 70-centimeters. Their frequencies are 145.430 MHz, with a negative offset and a PL tone of 203.5 and a frequency of 441.900, with a positive offset and PL tone of 203.5.



Figure 2 Pioneer ARC working bike race.

The repeaters are located about five miles southeast of Winchester on HWY 89 and the antennas are on a 300-foot tower with an elevation of about 1053 feet above sea level. Both repeaters are made by Kenwood and have outputs of 40 watts.

The 2-meter repeater is EchoLinked via W4PRC. This call can be found in Area 4 of your EchoLink software.

There is a 2-meter net every Thursday night at 8:45 EST on the 145.430 repeater. Operators check into our net from about everywhere. The EchoLink's are recognized first in our nets. There are six net controls calling the nets in a rotating schedule.

The monthly club meetings are held at The Golden Corral on the Winchester Bypass, generally scheduled on the fourth Tuesday of each month, with the exception of November and December where they are usually a week earlier. Meetings start at 7:00 PM but some of the members come in at 6:00 PM to eat first.

There is also a Facebook page for our club.

Some of our yearly activities include The Winchester Pioneer Festival Race, the Horsey Hundred Bicycle Rally held in the Millville Kentucky area, the Bluegrass Bicycle Club Rally held in October in the Red River Gorge area, and a SkyWarn class the fourth Tuesday in March with presenters from the NWS in Louisville.

Currently, the president of the club is Darrell Epperson, AC4YD. He is a contact VE and gives W5YI exams on a quarterly basis, starting in January, in Winchester. If you need to ask questions about the club or any of the events, you may email him at AC4YD@ARRL.NET or text/call him at (859) 771-1834.



Figure 3 L-R, Bart Breeding KB4FEE, Robert Ham KM4LYG, Darrell Epperson AC4YD, Gary Cady KD4GDT @ Horsey Hundred Bicycle Rally.



Figure 4 Ken Howard KY4KH at the radio.

SCOTT CO ARES GROUP - CONDUCTS "DF: FOX HUNTING" CLINIC

Brian De Young K4BRI of OH KY IN emergency response group out of the Cincinnati area provided a clinic for those in attendance at the Scott Co ARES meeting in March. He provided information and a demonstration on how to assemble a DF antenna and procedures involved in locating a "fox", plus information a DF receiver. For those wishing further information regarding "fox hunting" receivers and antennas please contact Don Dziubakowski NO4T - dondz@bellsouth.net. President of SCARES.



Figure 7 DF ANTENNAS



Figure 5 Brian De Young K4BRI



Figure 6 Scott Co members



ARES Volunteers: It has come to my attention that there may be a misunderstanding regarding on-going course work regarding the ARES plan. For qualification regarding being an EC, KY was substituting the current ARES course on line in KYHAM for the EC-001 course mentioned in the ARRL ARES EC requirements. However, this substitution is not included regarding further advancement in courses such as EC-016.

I highly recommend EC-001. There is no charge for taking the course.

For those inquiring about the prerequisites for enrolling in the EC-016, here is the current list and syllabus.

Prerequisites. Before you begin the course you should have completed the following prerequisites. These courses provide a foundation for the content of this course.

- ARRL Amateur Radio Emergency Communications Level 1/ Basic ([EC-001](#))
- [Skywarn Training](#)

And the following Federal Emergency Management Association (FEMA) courses:-

- [IS-100.b/ ICS-100 Introduction to Incident Command System](#) -
- [IS-200.b- ICS-200 for Single Incidents and Initial Action Incidents](#) -
- [IS-700.b NIMS: An Introduction](#)
- [IS-800.b National Response Framework](#)

Throughout this course you will find additional FEMA courses that are referenced as preparation for topics within the course. The additional courses required are within the FEMA Professional Development Series, which includes the following:

- [IS-120.c An Introduction to Exercises](#)
- [IS-230.d Fundamentals of Emergency Management](#)
- [IS-235.c Emergency Planning](#)
- [IS-240.b Leadership & Influence](#) -
- [IS-241.b Decision Making & Problem Solving](#)
- [IS-242.b Effective Communication](#)
- [IS-244.b Developing and Managing Volunteers](#)
- [IS-288.a The Role of Voluntary Organizations in Emergency Management](#)

Course Syllabus.

1. Amateur Radio Relevance in a Changing World
2. Key ARES Management Positions
3. ARRL Field Staff and Section Level Support Positions

4. ARES Management and the Incident Command System

5. Review of Basic Net Operations

6. Health and Welfare Traffic Management

7. Digital Options in Message Handling

8. Working with Served Agencies

9. Building Your ARES Organization

10. Training

11. ARES and the Media

12. FCC Rules on Emergency Communication

For further info regarding EC-016 please submit your questions to cep@arrl.org

***NET REPORTING:**

I have been informed by FSD Steve Ewald WV1X, that monthly man hours in nets are not required and not reported in their reports. What is noted is how long a net is in session. For example, your net begins at 7 pm and concludes at 7:20 pm then your net was in session for 20 minutes, regardless of stations checked into the net. Maybe this information will make it easier to report net activation. What is appreciated, time in session, number of QNI (check-ins) and traffic handled.

ARES MONTHLY REPORTS MARCH 2019

COUNTY	EC	TOTALS HRS	COMMENTS
BALLARD	KJ4STW	8	W4KU & KJ4STW have Winlink up and running in the EOC. Still working out the normal upstart bugs but seems to be a great way to communicate during WIFI downage. Thanks to Roy and the Illinois/Kentucky ARES group for their help.
CALDWELL	KI4YIB	44	The 20hr. represents total hours worked by members on COM I & antenna tower for March.
CALLOWAY	K4CHW	425	Another busy month for Calloway County ARES and the Murray State University Amateur

			Radio Club of which we're all members. (4) weekly nets averaging just under 60 minutes each with 108 stations checking in for March.
MARSHALL	KI4RZY	47.5	
MCCRACKEN	KD4GCY	88	EF2 tornado in McCracken County Thursday March 14, 2019. WX net started 8:30 AM until 12:00 noon. Twenty five buildings and structures damaged or destroyed on it's 16.7 mile path. Amazingly, only ONE minor injury.
TRIGG	KI4TKL	102	Nets; KEN,MSUARC,TRI COUNTY ARES,KENTUCKY ALL DIGITAL FUSION NET PUBLIC SERVICE: Basic Search and Rescue-Instruction Team; Man tracking Awareness Studied
HENDERSON	KY4PB	16.5	WEATHER NET 3/14/19
BUTLER	KN4MAA	8	NET PARTICIPATION
WARREN	KK4AVI	3	NET PARTICIPATION
HARDIN	K8MYN	111	Update of active roster for membership. Completion of Dixie Fire School Display Completion of Two Medical Facility auxcomm UHF/VHF systems Busy month for HC ARES
HENRY	NG00	78	Attended LEPC Meeting along with putting up HF antenna at County EOC and checking in on the KEN Net 4/1.Working with EMA director on Meeting dates at EOC for Henry County ARES and radio operators from surrounding

			counties.Henry County Middle School Amateur Radio Club now have there vanity call sign (W4HCS).
SHELBY	K5CPT	94	total count is down for March. Due to antenna issues, was unable to have our normal 3 net night on the third Wednesday.Have members working on NEMS courses. Hope to numbers up again for April. Will be having FCC testings again on 4/9.
BOYLE	KG4UQL	48	NET PARTICIPATION
FAYETTE	KM4PJU		Just getting organized trying to restart ARES while working with EOC RACES group to define procedures of each group Hope to restart net on Tuesday at 8 on KY4K repeater 940 Still getting that set up Not yet prepared to give more of a report at this time
CAMPBELL	KC4KEZ	8	KEN Nets on Monday nights. Monitoring DMR 31211 for check-ins. Also Monitoring C4FM on KEN nights. WinLink testing. Testing station backup power.
KENTON	W0QI	57	3/14: storm tracking skywarn net with NWS following Paducah KY tornadic activity entering our area.
DEC6	AB4WS	53	Meeting with Grant County Triathlon Planning, Nets include KEN, Ky DMR, KY DSTAR, KY Fusion, K4CO, Ohio SSB, Received 1 piece of Traffic, Several Hours

			trying to deliver it.
BOYD	KY4TVS	16	SKYWARN Training held by Boyd County EM on March 28th attended by several members, Group organization into a formal Club and establishment of bylaws and policies in progress.
GREENUP	KG4EAB	40	still reorganizing appointed chris straiten N4TNA Assistant Emergency Coordinator look forward to working with him
MASON	KY4OD		We are currently working with the Maysville Police Department for the "Two Bridge Run" to be held later this month.
PIKE	WB4WAU		The Pike County ARES Net is inactive until further notice. If I can get a good connection into the Pikeville repeater I will try to re-activate the net.
KNOX	KM4VHI	3	March 6 - Participated in a KY Tornado Drill SKYWARN Net Activation for D9 March 11 - met with Redbud Warmup planning committee to plan radio support for the event on April 12 Participated regularly in weekly SKYWARN and D9 ARES nets Participated, when possible, in weekly Kentucky Emergency Nets. Participated in Winlink test for KY ARES.
MADISON	KO4OL	213	This report includes the Wilderness Trail Emergency Net which meets at 2030hrs each

			Wednesday on 146.715 and also serves Madison County. The Flex radio at the Madison County EOC is currently inoperable due to high winds causing the buckmaster antenna to lose connection with the coax. We are at the county's mercy as to when it gets repaired since we are not permitted to climb up the tower 30 feet to reconnect the coax.
PULASKI	AC4DM	31	1 21 nets in March. 2 2 Repeater work days. 3 1 VE test session. 4 4 Amateur breakfast gatherings. 5 1 Monthly club meeting.
ROCKCASTLE	KY4RWO	80	NET PARTICIPATION

NET REPORTS - MARCH 2019

NAME - NET MANAGER	TRAFFIC	NR OF NETS	CHECK INS
KY DIGITAL KC4BQK	0	3	19
HARLAN CO KC4FNV		5	68
KY EM NET W8QAS	5	5	162
PERRY CO KK4IFF	0	10	84
HARDIN CO W8WN	0	4	47
HENRY CO NG0Q	0	14	38
MADISON CO KO4OL	1	4	48
WILDERNESS TRAIL KO4OL	1	4	90
KY CW NET (KYN) WB4ZDU	13	35	123
KY WINLINK NET KC4BQK	46	4	23
SHELBY CO NG0O	0	4	47

PSHR REPORTS - MARCH 2019

KC4BQK	105
KO4OL	110

SAR REPORTS - MARCH 2019

CALLSIGN

TOTALS

WB4ZDU	15
KO4OL	48
W4NHO	32

COMING EVENTS

APRIL 27 ASHLAND HAMFEST

MAY 17, 18 19 DAYTON/XENIA HAMVENTION

MAY 30 STATEWIDE ARES DRILL

JUNE 1 PRINCETON HAMFEST

JUNE 22-23 FIELD DAY WEEKEND

JULY 20 LOUISA HAMFEST

AUG 10 LEXINGTON HAMFEST