

CQ Chatter

JUNE 2014

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WOOD COUNTY AMATEUR RADIO CLUB

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Field Day to be Held at Museum

The 2014 WCARC edition of the ARRL Field Day exercise will take place at the Wood County Historical Museum, on County Home Rd., just south of U.S. Route 6. The set up will take place on Saturday, June 28th, at noon. At this time, the gang joins forces to hoist the traditional all-band loop antenna, as well as other radiators of various dimensions and shapes. Our Club usually has three separate operating positions, but all are welcome to bring their own equipment and set it up as part of the operation. The operating officially starts at 2:00 pm. As 6:00 pm rolls around, the dinner bell usually rings and everyone takes a break for the other important Field Day activity---eating. We are told that there will be another function at the Museum in the afternoon, so this might be a good opportunity to do some recruiting. If you want to join in, contact Phil, W8PSK at: ljphil@dacor.net ■

FCC Proposes to Open Licensed Services to Unlicensed Interference

from ARRL Letter

Asserting "a substantial stake" in the outcome of the proceeding, the ARRL **has commented** in opposition to an FCC proposal that would leave licensed radio service users vulnerable to interference from unlicensed devices. In a docket unrelated to Amateur Radio spectrum, the Commission has indicated that it's willing to consider adding licensed Globalstar terrestrial users to the 2473-2483.5 MHz band — already shared by licensed and unlicensed services — with the condition that customer handset users in the new allocation accept interference from *unlicensed* radio services now legally operating there. The League's comments were in response to a *Notice of Proposed Rule Making*

continued---on p. 7

Net Check Ins

Apr 29 Traffic: 0

N1RB (NCS)
K8BBK
KD8NJW
KD8WZK
KD8VWU
KD8RNO
W8PSK
WB8NQW
WD8LEI
KD8BIN
W8BKB
KD8WCB
K8OVO
KC8EKT (14)

May 6 Traffic: 0

W8PSK (NCS)
KD8WZK
K8OVO
K8BBK
WD8JWJ
WD8LEI
KD8VWU
KD8NJW
KD8RNO
N1RB
WB8NQW
KD8BIN
N8DJB (13)

May 13 Traffic: 0

K8OVO (NCS)
KD8WZK
KD8BIN
W8PSK
WD8LEI
KD8VWU
WD8JWJ
KD8NJW
KG8FH

BRAIN TEASERS

1. How can an antenna system best be protected from lightning damage?
 - a.) install a BALUN at the antenna feed point
 - b.) install an RF choke in the antenna feed line
 - c.) ground all antennas when not in use
 - d.) install a fuse in the antenna feed line
2. When is an amateur allowed to broadcast information to the general public?
 - a.) never
 - b.) only when the operator is being paid
 - c.) only when broadcasts last less than one hour
 - d.) only when broadcasts last longer than 15 minutes
3. What is the ability to store energy in a magnetic field called?
 - a.) admittance
 - b.) capacitance
 - c.) resistance
 - d.) inductance

June Contests

The contest lineup for the month of June is given below. Please note that the WARC bands (60, 30, 17 and 12 m) are never open to contesting.

Jun 7-8	<i>1600 to 0400 Z</i>	160 m to 10 m
Alabama QSO Party		all modes
Jun 14-15	<i>1600 to 0200 Z</i>	80 m to 10 m
West Virginia QSO Party		all modes
Jun 14-16	<i>1800 to 0300 Z</i>	VHF
ARRL June VHF `test		all modes
Jun 21-22	<i>0000 to 2400 Z</i>	160 m to 10 m
All Asian DX `test		CW
Jun 21	<i>1800 to 2359 Z</i>	80 m to 10 m
Kids Day		SSB
Jun 28-29	<i>1200 to 1200 Z</i>	160 m to 10 m
King of Spain `test		SSB
Jun 28-30	<i>1400 to 1400 Z</i>	160 m to 10 m
Marconi Memorial HF `test		CW
Jun 28-29	<i>1800 to 2100 Z</i>	160 m to 10 m+
ARRL Field Day		all modes

June Hamfests

Jun 15 Monroe County Radio Communications Assn. Annual ham-fest. Monroe County Fairgrounds, Monroe, MI. Contact Fred, KA8EBI, (734) 652-3843.

e-mail: ka8ebi@yahoo.com

web: <http://www.mcrca.org>

Floridian Fined for Cellphone Jamming

from ARNewsline

A Florida resident that the FCC says was the source of cellular telephone jamming for upward of two years has been handed a \$48,000 Notice of Liability to Monetary Forfeiture. The FCC says that Jason R. Humphreys of Seffner, Florida, was caught with a jamming device in his car as he rode along Interstate 4 disrupting not only cell phones, but allegedly police and other emergency communications as well.

For the FCC it all began back on April 29, 2013. That's when its Enforcement Bureau received a complaint from Metro P-C-S that its cellular telephone service had been experiencing interference during the morning and evening commutes in the Tampa, Florida, area. Based on the location of the towers and the times that the alleged interference occurred, the Bureau determined that the likely source of the interference was mobile along Interstate 4 between downtown Tampa and Seffner, Florida.

On May 7th, agents from the Bureau's Tampa Office began monitoring the suspected route. On May 7th, 8th, and 9th the agents determined that strong wide band emissions within the cellular and P-C-S bands were coming from a blue Toyota Highlander with a Florida li-

cense plate. On May 9th, the Hillsborough County Sheriff's Office, working with the FCC agents stopped the suspect vehicle. At that time the Sheriff's Deputies reported that communications with police dispatch over their 800 MHz two-way portable radios were interrupted as they approached the S-U-V. The agents from the FCC Tampa Office and the Hillsborough Sheriff's Deputies interviewed the driver, who identified himself as Jason R. Humphreys. At that time Humphreys admitted that he owned and had operated a cell phone jammer from his car and had done so for the past 16 to 24 months. An inspection of the vehicle revealed the jammer behind the seat cover of the passenger seat. Humphreys stated that he had been operating the jammer to keep people from talking on their cell phones while driving.

At the conclusion of the interview, the Hillsborough Sheriff Deputies seized Humphreys' cell phone jammer pursuant to Florida state law. On May 10th, Metro P-C-S confirmed that the interference to its cell towers had ceased.

Now, after looking at all of the evidence in the case the FCC has issued the proposed \$48,000 fine. In doing so it said that Jason Humphreys apparently willfully and repeatedly violated Sections of the Communications Act and several sections of the agency's rules by operat-

continued---on p. 5

WCARC Weekly Net

Tuesdays at 2130 EDST/

2030 EST (0130 Z)

147.18 MHz 67 Hz PL

Net Control Roster

Jun 3	N1RB
Jun 10	W8PSK
Jun 17	K8OVO
Jun 24	WB8NQW
Jul 1	KD8NJW
Jul 10	N1RB
Jul 17	W8PSK

NEXT MEETING

BUSINESS MEETING

Monday, June 9th

TIME: 7:30 pm/7:00 EB

PLACE:

Sheriff's Training Room

E. Gypsy Lane Rd. &

S. Dunbridge Rd.

Bowling Green, OH

DON'T FORGET!

10 meter informal net meets Sunday

@ 2030 EST/EDST on 28.335 MHz

floridian---from p. 4

ing the cell phone jammer. Also that operation of the device could and may have had disastrous consequences by precluding the use of cell phones to reach life-saving 911 services provided by police, ambulance, and fire departments. It also could have disrupted critical communications of first responders driving on the highway near Humphreys' vehicle. ■

WD8JWJ to present June program

A program will follow the June 9th business meeting. Bill, WD8JWJ, will present a description of the new keyer project that he has been working on. Bill explains, "the program will be to demon-

continued---on p. 6

Net Check Ins continued

May 13 - continued-

WB8NQW
N1RB
KD8RNO
N8YAE
W8MSW
W8BKB
KC8IDZ
KD8WCB
KD8FRL (18)

May 20 Traffic: 0

WB8NQW (NCS)
NM8W
K8OVO
W8PSK
WD8JWJ
KD8VWU
KD8WZK
KD8RNO
N1RB
W8MSW
N8YAE
WD8LEI/M (12)

May 27 Traffic: 0

KD8NJW (NCS)
K8BBK
KD8WZK
KG8FH
W8PSK
K8OVO
KD8VWU
N8VNT
WD8LEI
W8BKB
WB8NQW
N1RB
KC8EKT
KD8RNO
KD8WCB (15)

Brain Teaser answers: (T) 1-c, 2-a, 3-d

A Family Affair

photo courtesy of W8PSK



Grandfather, Don-K8OVO, and grandson, Grant-KD8WZK.

Grant obtained his ticket at the Toledo Hamfest---congratulations!

WD8JWJ---from p. 5

strate the K1EL K42 Keyboard Morse Keyer/Decoder. This is a kit that I built and am so far pretty much impressed with what it can do. I plan to have enough "props" to give everybody a good idea what it can do. Also, I plan to compare it with the Microcode Morse Reader. The Microcode is an Arduino application, another kit from the UK. This will be a BYOP demo. (bring your own pen) Prepare to copy...K". A picture of the unit atop Bill's Ten-Tek QRP rig, which he had previously presented a program on is shown. ■



FCC---from p. 1

(**NPRM**) in IB Docket 13-213 and RM-11-685.

"This plan would for the first time create a multiple-use, radio frequency environment in which Part 15 unlicensed devices do not have to protect a licensed, allocated radio service from harmful interference," the ARRL stressed. "This is untenable as a precedent, and it makes the entirety of the [*NPRM*] likewise untenable."

The League said allowing Globalstar to deploy Ancillary Terrestrial Component (ATC) users of its Mobile-Satellite Service (MSS) system under technical rules that apply to unlicensed users would depart from long-standing rules protecting licensed radio services from interference resulting from the use of unlicensed Part 15 or Part 18 ISM devices.

The League said the proposal "represents an unprecedented withdrawal of the assurances that licensed users have been given by the Commission and relied upon in dozens of allocation proceedings." The League said many Commission orders "consistently embody" the principle that Part 15 device operators must cease operations that cause harmful interference.

"The Commission cannot, consistent with the entire regulatory underpinning for allowing Part 15 devices, premise an allocation decision in this case on the unique provision

that a component of a *licensed* radio service will *not* be entitled to interference protection from Part 15 devices, whether those unlicensed devices are incumbent or deployed in the future in the band at issue," the League concluded.

The ARRL suggested that the FCC "do some *bona fide* technical evaluation" of compatibility between and among services in and below the band at question and ATC systems before deciding whether or not the proposed overlay is compatible.

"The price of making the wrong assumptions is too high in this and similar allocations proceedings," the ARRL said, "and the damage from the wrong assumptions will be, practically speaking, impossible to reverse." The Commission, the League continued, "must absolutely refrain from compromising" the basic concept that unlicensed Part 15 devices may only operate "*on the absolute condition that they do not interfere with any component of a licensed radio service.*"

The League's comments further pointed out that the reason Part 15 wireless broadband devices operate below 2473 MHz has been to provide a sort of "guard band" to protect MSS above 2483.5 MHz. Globalstar contended that Part 15 wireless devices were not being deployed in the segment it wants, but, the ARRL noted, that unlicensed users avoided the segment in the first place for Globalstar's benefit. ■

WA8SCT (SK) Equipment For Sale

message from Bob-WB8NQW

Before Jim Ryan, WA8SCT, passed away, he asked me to dispose of his radio equipment and that he wanted the club to get a percentage of the proceeds. After his passing, I asked Bill, WD8JWJ, to help me remove the gear from Jim's shack. Then I asked Bob, N1RB, Loren, W8PSK, and Steve, K8BBK, to help us determine fair prices for each item. I thank them for their expertise.

On page 9 is a spreadsheet with the list of equipment from the estate of Jim Ryan, WA8SCT, with the suggested prices that we established. This amateur gear was well taken care of and looks great, but we have not tested every item. We also have the manuals for most of the Heathkit items. The club will get a significant percentage of the purchase price listed. Some of the equipment is at my QTH and some is at the QTH of Bill Wilkins, WD8JWJ, and on-site inspections can be arranged if you wish.

We do not want to make this a long drawn-out process, so if you want to purchase any item on the list, please contact me as soon as possible: first come-first served at blcksmth@wcnnet.org. After July 07, 2014, we will start to advertise whatever is left beyond the WCARC members.

I also have several hundred different tube types that Jim had in his shack. We may try to include spare tubes with some of the Heathkit gear if we can. If you need tubes, let me know what type you need and I will let you know if I have it. ■



The graphic features a blue background with a white border. On the left, there is a blue hand icon making an 'L' shape. Next to it is a photo of a young boy smiling. A magnifying glass is positioned over the photo. To the right of the magnifying glass is a calendar page showing 'MAY 28'. Below these elements is a diamond-shaped logo with 'ARRL' inside. The text 'ARRLFD14' is prominently displayed in large white letters, followed by 'June 28-29' and 'HAM RADIO' in yellow. At the bottom, it says 'On the Air from Anywhere!' in white. On the right side of the graphic, the text 'JOIN WCARC for Field Day at the Wood County Historical Museum' is written in yellow, followed by 'Set up: 12:00 noon' and 'Operating begins: at 2:00 pm' in white.

JOIN WCARC
for Field Day
at the Wood County
Historical Museum
Set up: 12:00 noon
Operating begins:
at 2:00 pm

WA8SCT Equipment

	Item description	Value		
1	Heathkit SA-2060A Antenna Tuner	\$195.00	23	Heathkit HD-15 Phone Patch
2	Heathkit HW-101 with pwr supply - speaker - mic	\$200.00	24	Swan 250 Transceiver
3	Heathkit SB-201 Linear Amplifier	\$225.00	25	Heathkit HM-102 SWR Meter
4	Heathkit IT-3120 Transistor Tester	\$30.00	26	Heathkit HM-102 SWR Meter
5	Heathkit IM-1210 Digital Volt Meter	\$20.00	27	Heathkit HM-15 SWR Meter
6	Heathkit IM-2410 Frequency Counter	\$55.00	28	Heathkit HM-2140A SWR Dual Meter
7	Heathkit VF-7401 2 Meter Transceiver	\$40.00	29	Heathkit HM-2141 SWR Dual Meter
8	AEA PK-232 MBX Packet Controller	\$45.00	30	Heathkit DX-60B + HG-10 VFO + T/R relay
9	RCA Volt Ohm Meter	\$50.00	31	Eico 667 Tube Tester
10	CDE Rotor Controller	\$45.00	32	Heathkit IG-82 Sine-Square Generator
11	Precision VTVM	\$15.00	33	Heathkit HD-11 Q Multiplier
12	SQUALO 6 Meter Antenna	\$12.00	34	Hickok 650 Signal Generator
13	Heathkit B-7 Coil Set	\$20.00	35	Hickok 288X Video Generator
14	Heathkit DX-60	\$45.00	36	Elexon 20Amp Power Supply
15	Knight 2 Meter Transceiver	\$25.00	37	Hammarlund HQ-180-A Receiver
16	Knight V-107 VFO - Knight TR-108	\$55.00	38	Home Brew - we are not sure what it is
17	heathkit SB-1400 with Speaker/Power Supply	\$260.00	39	Heathkit HW-30 Twoer
18	Ringo Ranger 2 meter antenna	\$50.00	40	Genometer TV-50A
19	Genera 150 Watt Air Dummy Load	\$15.00	41	Johnson Viking Match Box
20	Heathkit Cantenna Dummy Load	\$20.00	42	Heathkit IM-17 Volt Meter
21	Sylvania Tube tester	\$60.00	43	Heath IP-17 HV Power Supply
22	D-104 Desk Microphone	\$25.00	44	Eico Grid Dip Meter with coils
			45	Heathkit VL-1180 2 meter amp 0- 75 watts

**WOOD COUNTY ARC
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43402**

