



# The Listening Post



Dedicated to Community Service and All Central Florida Hams

January 2019

## President's Message

Greetings to all and a very Happy New Year to each of you! Quickly I want to extend my sincere thanks to our Co-Editor's for the Listening Post. Each month they do awesome work to bring a newsletter together and prepare it for publishing it. I know I'm not the easiest person to work with, specially keeping up with publication deadlines, but I just want to say thank you to you both for a job well done. My New Year's resolution is meet your deadlines every month for 2019 and beyond!

(Continued on Next Page)

IN THIS ISSUE	
1	• Message from the President
3	• HamCation <sup>SM</sup> Chairman Column
5	• Annual HamCation <sup>SM</sup> Picnic
	• WSJT-X 2.0 Full Release Now Available; FT8 Enthusiasts Urged to Upgrade Now
	• 2018 QST Antenna Design Competition Winners Announced
6	• The 2019 QST Key Design Competition Announced
7	• ARRL CEO Howard Michel, WB2ITX, to Keynote 20th Annual Ham Radio University
	• JOTA Reports 36% Growth in Scout Participation for 2018
9	• First FT8 Roundup is a Huge Hit
10	• ARRL's Logbook of The World Tops 1 Billion QSO Records
11	• Swap/Shop/Sell/Trade
12	• Weekly Radio Network Meetings
13	• OARC Meetings and Events – 2018-2019
15	• OARC Membership Application

### OARC MEETING

**January 2, 2019 7:30pm**

Beardall Senior Center  
800 Delaney Ave, Orlando, FL 32801  
ARRL Testing: 5:30pm

For information & Updates  
See [www.oarc.org](http://www.oarc.org)

### OARC Board of Directors

President: John Knott, N4JTK  
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James Deuel, N0XIA

The Listening Post is the OARC newsletter for OARC members. The LP will be distributed electronically via E-mail and the OARC web site ([www.oarc.org](http://www.oarc.org)).

Co-Editors: Thomas Husband KM4MAL and Ed Thralls NE4H.

Comments, suggestions and articles are welcome. Send to [editors@oarc.org](mailto:editors@oarc.org).

Contributing to this edition: John Knott N4JTK, Michael Cauley W4MCA, James Deuel N0XIA

### OARC REPEATERS

Call	Freq	Shift	PL
KB4UT	146.760*	-600	103.5
N4UMB	147.015	-600	103.5

\* Fusion Repeater

### D-Star

K1XC C	146.820	-600	
K1XC B	443.275	+5MHz	
K1XC A	1275.00	-12 MHz	Voice
K1XC A	1255.00	-12MHz	Digital
W4PLB C	145.160	+600	
W4PLB B	442.300	+5MHz	

All D-star repeaters are connected

## President's Message *(Continued from Previous Page)*

A huge shout out to Ana for putting together another phenomenal Christmas Party!!! From the food to the desserts and all the wonderful door prizes she assembled. We can't thank you enough either! Can't wait to see what our 2019 party will bring.

This Wednesday, January 2 is our next meeting. Our topic will be HamCation. Vice President and HamCation<sup>SM</sup> General Chairman Michael Cauley, W4MCA will be giving everyone the latest info on HamCation. You won't want to miss it. There are still some more exciting things coming. You'll also be able to pick up your tickets for HamCation<sup>SM</sup>. See Michael and Ana before and during the meeting to pick up yours.

We need to discuss our February meeting and test session. Because our February meeting will be during HamCation<sup>SM</sup> week, our meeting and test session will be at the Lakeside Pavilion in one of the Clear Span Tents for Forums. Our meeting time will change for February ONLY. The meeting will begin at 7pm! Yes, 7pm. We're going to have an action-packed evening in store for you, so we need to start a little early. Here are some of the details that I can release at this time: Our Division Director will be attending to give an announcement (work permitting), HamCation<sup>SM</sup> vendor Flex Radio will be doing a presentation, and HamCation<sup>SM</sup> vendor VIS Study Guides will also possibly be attending. I have invited VIS to come to our meeting as they have announced after over 30 years in the business and 26 years attending HamCation<sup>SM</sup>, they will be retiring from the Hamfest circuit after the end of HamCation<sup>SM</sup> 2019. They have not confirmed with me yet, but if they do, we'll have a small retirement party for them with some cake and ice cream. Plus, we should be able to finish a couple of award presentations that we were not able to present at the Christmas party. We are also working on a few other things also, so stay tuned. Our February test session will also be in one of the Clear Span Tents in the Pavilion starting promptly at 5:30pm.

So here is some important information about the February meeting and test session. If you plan on attending the test session or the meeting, you MUST enter the fairgrounds off BMX Lane. BMX Lane is the first small road past the Fairgrounds that leads you back to Barnett Park. Before you make the sharp turn to the left towards Barnett Park, you'll be able to enter the fairgrounds at the West Gate next to the Pavilion. You must park in the open field in front of the Pavilion. We'll have a map on Wednesday night.

*John Knott* N4JTK

# HamCation<sup>SM</sup> Chairman Column

(Michael Cauley, W4MCA)

Greetings Everyone.

It has been a busy few months since my last article for the Listening Post. We had a booth at both the Stone Mountain Hamfest on November 3 & 4 then 4,500 miles away in Zwolle, Netherlands we had a booth at "Day for Amateur Radio 2018" manned by Peter and Lidy of our International Relations team. Then we were at the Tampa Hamfest on December 7 & 8. All 3 shows were a success. We handed out 1,000's of fliers and info about HamCation<sup>SM</sup> at the shows. But Tampa was the best show for sales.

We will be at the UCF Tailgate on January 12th. This will be your last chance to get tickets at \$15.00

I would like to welcome Rich Wilson, WR4RW to the HamCation<sup>SM</sup> Committee he will be joining Ed Thralls in RV as his Co-Chair and Next year will Become the RV Chairman.

I am also looking for a New Tailgate Chairman for this year. This person needs to be able to be at HamCation<sup>SM</sup> Tuesday-Sunday of HamCation<sup>SM</sup>. You will need to work with our new reservation System next year.

Now the big announcement that some people know already:

## **\$25,000 IN DOOR PRIZES**

The HamCation<sup>SM</sup> board of directors, our members, volunteers, and everyone involved at HamCation<sup>SM</sup> try to make sure we have the best prizes available for our event. Please be sure to thank our vendors and specials sponsors for providing us with great prizes that make HamCation<sup>SM</sup> so wonderful.

This year HamCation<sup>SM</sup> is offering you more chances at winning a door prize.

We will be selling tickets just for door prizes. These tickets will be eligible for all prizes including the Grand Prizes. All HamCation<sup>SM</sup> Admission tickets come with 1 free entry for the prize drawings.

The Pricing is as follows:

\$2.00 = 1 Ticket

\$20.00 = 25 Tickets

\$35.00 = 50 Tickets

\$60.00 = 100 Tickets

\$100.00 = 200 Tickets

You do not need to be present to win the Daily Grand Prizes. We will mail them to the Winners if not claimed. Grand prizes will be drawn at the last daily drawing for each day.

**Grand Prizes are as follows:**

- Friday:** Icom IC-7300
- Saturday:** Yaesu FTDX-1200
- Sunday:** Kenwood TS-890s

All prize drawing will be posted to our Facebook and Twitter pages after each drawing. Also, you can view them on any one of the 4 monitors. They will be in the East Hall, West Hall, Prize Booth and in the Swaps Building.

You will need to claim all other hourly prizes before 1pm on Sunday. All prizes not claimed will be re-raffled once at 1pm.

Prizes are drawn from the prize barrel located in the Prize Booth in the North Hall on the schedule indicated below.

All time listed are Eastern Daylight Savings Time (EDST)

- Friday Hourly Drawings:** 10am, 11am, 12pm, 1pm, 2pm, 3pm, 4pm
- Friday Early Bird Prize Drawing:** 1pm
- Saturday Hourly Drawings:** 10am, 11am, 12pm, 1pm, 2pm, 3pm, 4pm
- Sunday Hourly Drawings:** 10am, 11am, 12pm, 1pm

Here are some of the Hourly Prizes:

Yaesu FT2 DR	Icom ID-51A Plus2	Icom ID-31A Plus
Zum Spot with case	Icom IC-7200	Alinco MD5TGP
Alinco DJ-G7T	Alinco DJ-500T	Kenwood D-710
Kenwood TS-480 SAT	Yaesu FT-857D	Yaesu FT-818
Yaesu FT-891	Zum Spot with case	Icom IC-7100
Powerpole Bag	Yaesu FT-450D	Zum Spot with case
Alinco DX-SR8T	Daiwa SS-330W	Yaesu FT-70DR
Yaesu FTM-400	Icom ID-5100	Zum Spot with case
Zum Spot with case	Comet CAA-500 Mark II	Icom IC-718
Alinco DM-430T	Powerpole Bag	Kenwood TH-D72A
Daiwa SS-330W	Yaesu FT-60	Alinco DM-430T

Michael Cauley, W4MCA  
2018 HamCation General Chairman



# Annual HamCation<sup>SM</sup> Picnic

(By John Knott, N4JTK)

The 2019 OARC/HamCation<sup>SM</sup> Picnic will be held on Saturday March 23 at 1pm. It will be held at Bill Fredrick Park at Turkey Lake in Pavilion #6. You may RSVP by sending an email to [picnic@oarc.org](mailto:picnic@oarc.org). More info on the picnic will be coming.

Be sure to mark the date on your calendar!!

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## WSJT-X 2.0 Full Release Now Available; FT8 Enthusiasts Urged to Upgrade Now

(source: ARRL.org 12/10/2018)

The *WSJT-X* 2.0 software suite has been released, and developer Joe Taylor, K1JT, is urging FT8 and MSK144 users to upgrade to what will become the new standard, because the FT8 and MSK144 protocols have been enhanced in a way that is *not* backward compatible with older versions of the program. That includes any version 1.9 releases.

"The new protocols become the worldwide standards starting on December 10, 2018, and all users should upgrade to *WSJT-X 2.0* by January 1, 2019," Taylor said on the *WSJT-X* [home page](#). "After that date, only the new FT8 and MSK144 should be used on the air."

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## 2018 QST Antenna Design Competition Winners Announced

(source: The ARRL Letter for December 6, 2018)

ARRL has announced the winners of the 2018 *QST* Antenna Design Competition.

"Dozens of entries were received, but only three could win," said *QST* Editor Steve Ford, WB8IMY.

Requirements for the 2018 *QST* Antenna Design Competition included an antenna for one or more bands between 2200 meters and 10 meters that could fit within a 30 × 50 foot area and be no taller than 30 feet above ground at any point.

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"In other words, we were seeking designs for LF, MF, or HF antennas for limited-space applications," Ford explained. "We wanted to see innovative antennas that would allow amateurs to get on the air without the need for towering supports and acres of property. Our winners not only met this challenge, they exceeded it." The winners:

- **First Prize** (\$600): "A High-Power 160/80-Meter Transmitting Magnetic Loop Antenna," by Steve Adler, VK5SFA
- **Second Prize** (\$250): "LF/MF Reversible EWE Antennas for Small-Lot, Weak-Signal Applications," by Michael Sapp, WA3TTS
- **Third Prize** (\$150): "The 3/8-Wavelength Vertical for 20 Meters, a Hidden Gem," by Joe Reisert, W1JR



The first-prize winner of the 2018 *QST* Antenna Design Competition was a 160/80-meter loop antenna design by Steve Adler, VK5SFA.

Details of all three winning designs will appear in a future issue of *QST*.

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## The 2019 *QST* Key Design Competition Announced

(source: The ARRL Letter for December 6, 2018)

Hams have been building their own Morse keys since the dawn of Amateur Radio, and some creations have become legend. In 2019, *QST* is inviting participants to submit their best Morse key/paddle designs in the *QST* Key Competition. Design styles can include straight key, semiautomatic key (bug), paddle, or sideswiper. The winner in each category will receive \$250. Only one entry may be accepted per person or team, and the deadline to submit is June 1, 2019.



Entries must include the actual key (it will be returned following judging), as well as detailed drawings, photos, and a written narrative. Winners will be chosen based on ingenuity of design, ergonomics of operation, and overall craftsmanship. The judges' decisions are final.

A straight key originally designed and built by Hiram Percy Maxim, W1AW, ARRL's first president and cofounder. The key was provided courtesy of the Antique Wireless Association.

The key must be an independent mechanical device, not an integral part of another device, such as an electronic keyer. Keys must be the sole creations of the entrants and not available for sale.

Complete details and entry requirements will appear in the January 2019 edition of [QST](#). The digital edition will go live on Friday, December 7, 2018.

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## **ARRL CEO Howard Michel, WB2ITX, to Keynote 20th Annual Ham Radio University**

(source: The ARRL Letter for December 6, 2018)



ARRL's new CEO, Howard Michel, WB2ITX, will keynote the annual Ham Radio University ([HRU](#)), which will mark its 20th anniversary on Saturday, January 5, 2019, 7:30 AM until 3:30 PM. The event, which also serves as the ARRL New York City/Long Island Section Convention, takes place in the Hillwood Commons Student Center on the campus of Long Island University/Post campus in Brookville, New York. Michel will speak at noon.

HRU will include nearly 30 informational forums moderated by local experts in a broad range of Amateur Radio activities. Topics include Assembling an Amateur Radio Station; Communicating through Amateur Radio Earth Satellites; Remote Station Operating over the Internet, and Emergency Communications, plus three hands-on workshops on Cable Theory and RF Connectors; Ethernet Connectors, and Test Equipment.

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## **JOTA Reports 36% Growth in Scout Participation for 2018**

(source: The ARRL Letter for December 6, 2018)

Scouting's Jamboree on the Air (JOTA) 2018 [reports](#) that total Scout participation in the annual fall event jumped by 36% from 2017. Each year, more than 1 million Scouts and Guides get together over the airwaves for JOTA, which takes place on the third weekend of October. Since the first JOTA in 1958, millions of Scouts have become acquainted via Amateur Radio, and contacts sometimes result in relationships that extend for many years.

This year, 10,703 Scouts took part in the event, compared with 7,872 last year. Participating Amateur Radio operators topped 1,000 for the first time since 2016. At 610, the number of registered JOTA locations was way up, as was the number of JOTA stations registered, with 314. Participating JOTA stations reported contacts with stations in 99 countries, also up over 2017.



JOTA Coordinator Jim Wilson, K5ND, said he was pleased with this year's numbers and hopes that 2019's event will show a continued increase, despite a

lack of sunspots.



**Special Event station K4S in Jasper, Tennessee, where members of Scout Troop 5 and Cub Scout Pack 3005 participated in JOTA. [Photo courtesy of Radio Scouting]**

"Looking over the numbers, a big part of the increase in JOTA Scout participation came from the World JOTA-JOTI (Jamboree on the Internet) Team's registration and reporting system," Wilson told ARRL. "We had 233 stations report results on the US system, which is comparable to last year's 226. In addition to that, 90 stations reported their results on the World system. After eliminating duplicates, this added 33 to our total of 266 station reports. That, chiefly, accounts for the increase in total Scout participation. In summary, perhaps this nice increase is due primarily to more accurate reporting."

Wilson said he's also looking forward to the final tally on US participation in JOTI. "Location registration in the US jumped from 274 last year to 610 this year," he said. "Several Amateur Radio operations reported

using JOTI chat and Skype to greatly improve their ability to generate Scout-to-Scout conversations between the US and the rest of the world. Of course, VoIP modes like D-STAR, DMR, and EchoLink also helped in our solar minimum."

World JOTA-JOTI numbers are not expected until early 2019, as each country reports its results by mid-December followed by number crunching and compiling of the report, Wilson explained.

"Thanks to everyone who set up a JOTA station and helped Scouts experience the technology, fun, and magic of Amateur Radio. Let's do it again next year," he concluded.



# First FT8 Roundup is a Huge Hit

(source: The ARRL Letter for December 13, 2018)

The first FT8 Roundup over the December 1 - 2 weekend [attracted](#) some 1,300 logs from those taking advantage of the ever-more-popular digital protocol. This, despite its having been announced on fairly short notice and with other events such as the ARRL 160-Meter Contest on the same weekend. More than 400 of the logs were from US radio amateurs in the 48 contiguous states, plus the District of Columbia. Overall, some 131,200 contacts were recorded. Participants from 91 countries submitted logs, testifying to the fact that FT8 is not just a US phenomenon.



"The FT8 Roundup was the last shakedown for the *WSJT-X 2.0-rc5* beta software," said well-known RTTY contesting enthusiast and expert Don Hill, AA5AU, an FT8 cosponsor with Ed Muns, W0YK. "It performed with no major complications." The general availability release of [WSJT-X 2.0](#) is now out, and it's not backward compatible with *WSJT-X 1.9* or earlier versions. Developer Joe Taylor, K1JT, has

urged users to upgrade by January 1 to what now is the new world standard. Muns, who's *NCJ* "Digital Contesting" contributing editor, said FT8 Roundup participation compared favorably with that for the ARRL RTTY Roundup, which has averaged around 1,700 logs in recent years.

"Don and I expected the contest to be popular," Muns said, "but the participation far exceeded our expectations. I think it bodes well for future FT8 contesting. Don and I are pretty bullish about continuing the FT8 Roundup on the first full weekend of December each year." Nonetheless, Muns said he doesn't see FT8 to "really take off" and displace RTTY until the contact rate can be significantly increased through parallel QSO techniques.



Ed Muns, W0YK



Don Hill, AA5AU, and second op Sophie (SK)

Hill agreed on the event's popularity. "I have to say it was a huge success," he said. "Ed and I never dreamed it would be this popular. It didn't make sense to continue the Ten-Meter RTTY Contest during this part of the sunspot cycle. Replacing it with an all-FT8 HF contest was the logical choice." Hill and Muns have cosponsored the Ten-Meter RTTY Contest.

Hill said final results of the inaugural FT8 Roundup should be out in a few days. "After the New Year, we hope to have downloadable online certificates available to all participants. We will definitely do it again next year," he said.

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## ARRL's Logbook of The World Tops 1 Billion QSO Records

As of December 19, more than 1 billion contact records have been entered into ARRL's [Logbook of The World](#) (LoTW) system. And, while 1 billion QSO records represents a significant milestone, a more important statistic may be the nearly 187 million contacts confirmed via LoTW over its 15-year history.

The one billionth record was uploaded by 7X3WPL, the Sahara DX Radio Club, at 2332 UTC for a 20-meter SSB contact with Davide Cler, IW1DQS, that took place on December 28, 2016. The upload resulted in a match (QSL).



LoTW debuted in 2003 after a lot of behind-the-scenes planning and development. Initially, LoTW got off to a slow start. While user numbers gradually grew to about 5,000, a lot of hams didn't fully understand what LoTW was or how it worked, and opening an account could be cumbersome.

LoTW continued with few major changes until October 2011, when a perfect storm struck -- a large ingestion of logs after the CQ World Wide DX Contest and a freak snowstorm that knocked out power for more than a week in most places.

Field Services and Radiosport Department Manager Norm Fusaro, W3IZ, said uninterruptible power source (UPS) backup power quickly depleted in the days-long

power outage. "When the system came back online, it was overwhelmed with the amount of data coming in and could not keep up," Fusaro said. "The water was coming in faster than the pumps could pump it out. *Crash!*"

The disaster was a blessing in disguise, though, because it revealed weaknesses in the LoTW software and hardware

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## Swap/Shop/Sell/Trade

This is the opportunity for you to list your amateur radio related items you either have for sale, swap or trade. Listings must be of a non-commercial nature. Pictures of the items can be included.

OARC will not be responsible for any claims that are made in the listings. OARC reserves the right to reject a submitted item if it is deemed to be inappropriate.

A listing will not be repeated from month to month unless it is resubmitted.

Be sure to include your full name, call, and contact information, along with an exact description of the item.

Send your amateur radio related items by email directly to: James Deuel, NOXIA, [jdeuell@oarc.org](mailto:jdeuell@oarc.org) in the following format:

Name, Callsign, Contact information (phone number and/or e-mail address)

Item #1: (Description) Asking price: \$

Item #2: (Description) Asking price: \$

Or

Looking for (description) and willing to pay up to \$

Any item received after the 20th of the month will not be included in the next month's issue of *The Listening Post* newsletter.

Remember - KB4UT, Wayne Nelson's Trader Net held every Tuesday night at 8:00 PM, on the KB4UT 146.760 repeater

If you don't hear what you want on the net, check the Listening Post.

73's  
James, NOXIA



## Weekly Radio Network Meetings

<b>Mon @ 20:00</b>	<b>147.460</b>	<b>Seminole ARES Net</b>
<b>Mon @ 20:00</b>	<b>147.195</b>	<b>OARC Net</b>
<b>Tues @ 19:00</b>	<b>145.350</b>	<b>Osceola ARES Net</b>
<b>Tues @ 19:30</b>	<b>147.195</b>	<b>Quarter Century Wireless Association</b>
<b>Tues @ 20:00</b>	<b>146.760</b>	<b>Wayne Nelson Trader's Net</b>
<b>Wed @ 19:00</b>	<b>147.300</b>	<b>Disney Emergency Amateur Radio Service</b>
<b>Wed @ 21:00</b>	<b>432.090</b>	<b>Florida Weak Signal Group</b>
<b>Thur @ 19:00</b>	<b>146.730</b>	<b>Orlando ARES Net</b>
<b>Thur @ 20:30</b>	<b>432.090</b>	<b>Florida Weak Signal Group</b>



# OARC Meetings and Events 2019

<b>January 2, Wednesday</b>	<b>Meeting, 7:30pm at the Beardall Center</b>
January 8, 15, 22, 29 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
February 5, 12, 19, 26 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
<b>February 6, Wednesday</b>	<b>Meeting, 7:30pm at Central Florida Fairgrounds -- HamCation<sup>SM</sup></b>
<b>February 8 - 10, Friday, Saturday, &amp; Sunday</b>	<b>HamCation 2019, Orlando Fairgrounds</b>
March 5, 12, 19, 26 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
<b>March 6, Wednesday</b>	<b>Meeting, 7:30pm at the Beardall Center</b>
<b>March 31, Sunday</b>	<b>Tour de Cure</b>
April 2, 9, 16, 23, 30 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
<b>April 3, Wednesday</b>	<b>Meeting, 7:30pm at the Beardall Center</b>
<b>~ April 6, Saturday</b>	<b>HamCation 2019 Appreciation Picnic</b>
<b>May 1, Wednesday</b>	<b>Meeting, 7:30pm at the Beardall Center</b>
June 4, 11, 18, 25 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
<b>June 5, Wednesday</b>	<b>Meeting, 7:30pm at the Beardall Center</b>
<b>June 23-24, Saturday &amp; Sunday</b>	<b>ARRL Field Day 2019, Orlando Fairgrounds</b>
July 2, 9, 16, 23, 30 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
<b>July 3, Wednesday</b>	<b>Meeting, 7:30pm at the Beardall Center</b>
August 6, 13, 20, 27 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
<b>August 7, Wednesday</b>	<b>Meeting, 7:30pm at the Beardall Center</b>

September 3, 10, 17, 24 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
<b>September 4, Wednesday</b>	<b>Meeting, 7:30pm at the Beardall Center</b>
October 1, 8, 15, 22, 29 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
<b>October 2, Wednesday</b>	<b>Meeting, 7:30pm at the Beardall Center</b>
<b>~ October 12, Saturday</b>	<b>Ride 4 Ronald</b>
November 5, 12, 19, 26 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
<b>November 6, Wednesday</b>	<b>Meeting, 7:30pm at the Beardall Center</b>
December 3, 10, 17 Tuesday	KB4UT Wayne Nelson Traders Net on the 146.76 repeater, 8:00pm
<b>December 7, Saturday</b>	<b>Christmas Party *** Buy Tickets Sep, Oct, Nov at club meetings (No purchases at the door) No Club Meeting this month Don't forget an unwrapped toy for a tot</b>



