

# PRINTED CIRCUIT

MAY 2000

Newsletter of the Joplin Amateur Radio Club

Vol. 10 Issue No. 1

## STATE GRANTS TAX Exempt Status to JARC

**T**he club received the long awaited tax status ruling regarding state TAX exemption in an "Issuance of TAX NUMBER" dated October 22, 1999 from the State of Missouri. This certificate along with the Federal 501-C4 recognition of the JARC as a TAX Exempt Organization establishes the club fully as a Not For Profit Corporation.

The benefit of all this work has shown up with payment for the materials used for the antenna and cable repair and replacement, as well as all of the expenses for the hamfest. Additionally, application to the Postal Service to reduce the bulk mailing fees by about 1/3 is being made. If approved, we will benefit not only lower costs, but increased exposure through wider area mailings. Already considerable monies have been saved by freeing the club of the taxes that have been paid in the past.

Besides tax relief, other benefits of not for profit status include applying for grants to obtain equipment as well as other major expenditures. ¶

## ARES NEW SCHEDULE RELEASED

Andy Gabbert has announced that ARES meetings will be held on the first and third Tuesdays at the Red Cross Building located at 4th and Jackson in Joplin. Meetings begin at 19:30 sharp. The weekly ARES net has also been changed to 21:00 on Monday Nites, following the JARC weekly net, on 147.210 MHz.

## HAMFEST 2000

### WHAT TIMING! & A GOOD SUCCESS!

**T**he 11th annual Joplin Hamfest was held this year on April 15th at the Hammons Convention Center. Good timing, since it did not conflict with Belton TX. Jim Scott, WBØIYC was the lucky one to chair the event this year. I admit it's a huge job and that without all the help and advice from those who had done it before I would have had a difficult time of it.



**W9NLA & NØZSQ  
in the Ticket Booth**

I would like to recognize several individuals without whose help this event would have been impossible to produce. Special thanks to Ray KBØSTN, for his advertising efforts and prompting, his wife Brigid, for handling the crowd and microphone at the podium. Also to Jim NØZSQ, who provided much needed guidance, handled the finances, phone calls, and would get "anything" done to get the event ready! Alfred NBØF, Hal WBØLJF, and Ralph KBØZHC, and Mark NØZPD for security among other things, Bruce KFØTD for "Talk-in", John WØJRP for supervising the mailing, Mac W9NLA for working the ticket booth, and so many others who worked to make this event such a success. Special thanks to Cherylann and Susan for hosting and working the Bingo games.

This year was somewhat unusual. I guess since we had to vacate the old repeater site, some hams decided that the club was going to dissolve. Early in the year the event was plagued by rumors that had been circulated that the JARC was in trouble and had cancelled the hamfest. To dispel this myth, several copies of the flyer were distributed to businesses in the ham community. Calls were made to reassure vendors, and the mailing included clubs across several surrounding states. After the smoke cleared, and although the attendance was down somewhat, the club netted over \$600 (more than past years), sold about 140 tables, and had vendors come from several states as well as Missouri. The increase in the profits were a direct result of the club's Not for Profit Status, and refund from ARRL for rooms rented for testing.

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## JARC GETS A NEW 2M SITE

Needless to say, last year was full of uncertainties for the club. After getting assurance from Western Communications that the West 13th Street site was ours, months of work arranging loans, purchase of several thousand dollars of feedline and materials, and endless hours of labor expended by club members and Max Myers Construction toward replacement, the owner asked us to leave.

Events leading to the forfeiture of the site began when a temporary "Comet" fiberglass antenna began leaning, and wasn't removed after three phone calls. "My mistake was relying on my tower climber too much," said Jim Scott. As it turned out, Max had failed to provide the necessary insurance certificates to Western and subsequently was not allowed on the tower. This fact was never revealed to the club until it was too late. Since the antenna problem was the club's responsibility, Western elected to have us remove the repeater installation from the site. Several attempts to arrive at a more favorable solution were attempted, but no negotiations were successful with the owner. Rather than remove the feedline, the club found a buyer and subsequently sold it at a relatively small loss.

Soon afterward, Hal Dannelley WBØLJF offered the club a position on his tower east of Joplin. The installation was done on a Saturday, with Max Myers climbing the tower (gratis) and installing the antenna at the 200 foot level. This was a temporary installation to get the repeater back on-line.

Two weeks ago the club bought enough 7/8" Andrew Heliac feedline to go to the top of the 350 foot tower. It was delivered to us by WBØW. Saturday, Jim Scott and Jim Johannes drove to Nebraska and picked up two Aerotron 100 watt repeaters. They are in our possession, and are being modified. The crystals have been ordered, and should be here about May 20th. You should notice a difference on 147.210 soon afterward. ¶

## THE FCC MAY BE WATCHING YOU!

**I**f you like to chase DX on the HF bands on SSB like I do, you better be careful the FCC is watching you. Mr. Hollingsworth of the FCC said many Amateurs are not giving their full call and this is a violation of FCC rules. They will be ticketed in the future. I have done this myself many times as well as most DXers, I will sign "Romeo Papa". This is not my full call. This is all right if you make the contact then give your full call, but in most cases in a DX pileup you may QRT or QSY and not make a contact with the desired station. In other words, you leave the air without identifying your station. There are many DX nets where you check in with net control, usually a US station, with a partial call and the net control never does know your complete call until later when you contact a DX station or not at all.

Many DXers are upset about this ruling but will have to change their ways including me.

John Tudenham  
WØJRP

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There were over 100 people testing and upgrading at this hamfest. Dave KBØPI, managed the VE testing which was held in two rooms in the Holiday Inn. He had 14 VE's ready to handle up to 400 people. We were the first hamfest to offer advancement under the new rules, and he expected a large turnout from all over the Midwest. We weren't disappointed!

It's amazing to see so many hams show to help unload the vendors on Friday and then stay over Saturday to help finish up when the hamfest is over. This is a big event, and has tremendous potential, now especially since the PHD Hamfest in KCMO is no more. See you next year at Hamfest 2001!  
73 Jim WBØIYC

## THE WORLD OF VHF & UHF

BY JOHN TUDENHAM WØJRP

### SIX METER NEWS

Several good openings on six meters lately and now we know why they call it the magic band. The night of April 7 a big Aurora pointed beam 20°E of north (not at the station your contacting), good signals SSB garbled but readable. Most contacts in northern USA as far west as Colorado and east to New York. Then the big surprise around 7:30pm local time an Aurora induced F2 opening to Central and South America, this time direct path and clear signals. Band open to after midnight to HK, YV, HC, HP, and TI. Local area stations in on opening KØETC, WØVD, WØJRP, KBØSTN and KØAUU. The next morning opening again this time to Argentina, Brazil and Uruguay, good signals. Many south American stations run as little as 10 watts.

More good openings to South America again on April 30 and May 1. Now the sporadic-E season is going full blast with almost nightly openings stateside. May usually starts our E-skip season and lasts till August. Now is the time to fire up on 6 even simple antennas and low power will do good when conditions are right. E-skip usually occurs from about 10am-2pm and 4pm-8pm local time but may vary. Band has been open past midnight at times for single hop contacts up to 1350 miles. Minimum skip distance usually about 600 miles. I have had a lot of fun logging TV DX on ch 2-6 from all over the country. Ch 3 is usually difficult because I have a good signal from KYTV in Springfield all the time.

### TWO METER REPORT

The only two meter DX reported in the big Aurora opening the night of April 7. KØETC, WØVD, and WØJRP worked many stations with beam slightly east of north. All QSOs were on CW as SSB was unreadable. WØVD worked WY for a

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new state. KØETC worked several new grids. If you hear an Aurora signal you would think you have a problem with your receiver, no musical tone on CW just sounds like a bunch of hash but strong signals. Next time you hear Aurora try CW it's lots of fun.

### 222MHZ REPORT

During the Aurora WØJRP decided to try 222 CW as I had only worked CW once before on that band. I have 100 watts to a 11 element Yagi up about 25 feet. Operating on 222.1 CW, I managed to work 4 stations, probably a lot more if there had been more activity. First QSO was NØLL in EM09 Smith center KS, followed by two in IL and one in IA. Signals were weaker than 2 meters but readable on CW with beam slightly E of North. By the way there is some FM activity on this band on calling frequency of 223.5. Jack WØBZT is active each morning and talks usually to KØCU Carl Upton. The calling frequency for CW and SSB is 222.1. WØPW has a beacon on 222.050 Mhz. It's a fun band and I have worked 21 states as far east as PA. More VHF news next month.

73 John WØJRP

## UPCOMING CLUB EVENTS

### CHILDREN'S MIRACLE NETWORK BIKE-A-THON

May 13, 2000

This is a single day event.

Volunteers are needed to provide communications for this event. It starts 8am Saturday May 13th at the Carthage Municipal Park. Runs till about 4pm.

There are three loops; 10, 25, and 62 miles in length. The volunteers are needed to supply communications along the route, handle SAG, and first aide. Meals will be provided, you will need to bring a 2m radio.

Call Ray Brown for more information at (417) 781-4967 evenings.

### FIELD DAY

June 24, 2000

The JARC has acquired the use of Dover Hill on North Main Street Road for this event. No shelters are available at this location, so tents and flies will have to be erected.

For more information on this event call Ray Brown (417) 781-4967 evenings.

## HAMFEST CALENDAR

Note: Listings are updated as information becomes available. Courtesy of Lonnie Allen NØTBO

**June 17th, 2000** Houston, MO  
The Ozark Mountain Repeater Group  
Second Annual Ozark Hamfest  
Texas County Fairgrounds  
8:00 am to 3:00 PM  
Outside/Inside setups, with electricity.  
Drive East on Hwy. 60 to Cabool, North on Hwy. 63 into Houston to fairgrounds.  
Contact: Willy Adey, NØTPE  
email: n0tpewla@train.missouri.org  
Advance Reservations: \$5.00 per table.  
Admission price: \$3.00 / 2 for \$5.00  
Make checks payable to: Ozark Mountain Amateur Repeater Group Net.  
c/o Blanche White, 628 Cleveland Rd.  
Houston, MO 65483 (417) 967-3000  
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**July 16th** Washington, MO  
Zero Beaters ARC,  
Contact: Dave Neal, NØPNG  
1917 Powderhorn Pass  
Wildwood, MO 63011-1717  
(314) 532-2477 (days) or 458-3254 (evenings)  
email: Dave\_Neal@msn.com  
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**July 29-30th** Oklahoma City, OK  
Central Oklahoma Radio Amateurs  
<http://www.geocities.com/heartland/7332>  
Oklahoma City, OK Harold Miller,  
KB1ZQ 4216 Spiva Dr. Del City, OK  
73115-4424 Phone: 405-672-7735 or 405-650-9963  
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**August 26th** Columbia, MO  
Central Missouri Radio Association  
HAMFEST 2000  
MO. National Guard Armory  
5151 North Roger Wilson Road  
Doors open at 8:00 am  
TALK-IN 146.760, CMRA Repeater  
<http://www.qsl.net/cmra>  
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**August 27th** Salina, KS  
Central Kansas ARC  
[http://homepage.netspaceonline.com/~tre\\_mblay/](http://homepage.netspaceonline.com/~tre_mblay/)  
Ron Tremblay, WAØPSF  
112 North Douglas Drive  
Salina, KS 67401-3516  
Phone: (785) 827-8149

### ANAGRAM FUN

An anagram, as you know, is a word or phrase made by transposing or rearranging the letters of another word or phrase. The following are exceptionally clever. Someone out there either has way too much time to waste or is deadly at Scrabble...

- Dormitory . . . . . Dirty Room (also "Roomy Dirt")
- Desperation . . . . . A Rope Ends It
- The Morse Code . . . . . Here Come Dots
- Slot Machines . . . . . Cash Lost in 'em
- Animosity . . . . . Is No Amity
- Mother-in-law . . . . . Woman Hitler
- Snooze Alarms . . . . . Alas! No More Z's
- Alec Guinness . . . . . Genuine Class
- The Public Art Galleries . . . . . Large Picture Halls, I Bet
- A Decimal Point . . . . . I'm a Dot in Place
- The Earthquakes . . . . . That Queer Shake
- Eleven plus two . . . . . Twelve plus one

"That's one small step for a man, one giant leap for mankind" (from Neil Armstrong). The Anagram?  
"Thin man ran; makes a large stride, left planet, pins flag on moon! On to Mars!"

"To be or not to be: that is the question, whether tis nobler in the mind to suffer the slings and arrows of outrageous fortune" (by William Shakespeare). And the Anagram? "In one of the Bard's best-thought-of tragedies, our insistent hero, Hamlet, queries on two fronts about how life turns rotten."

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**CALENDAR ON THIS PAGE**

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**ALSO UNUSED JUNK TO SAVE FOR  
FUTURE ISSUES**

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# Meeting Times, Testing, and other Club Information

**T**he Joplin Amateur Radio Club, Inc., a Missouri *not-for-profit* organization, meets on the second and fourth Tuesdays of each month at the Joplin Municipal Building, on the lower level, in the Civil Defense dining room at 7:30 PM. The facility is accessible to the handicapped.

The club supports and promotes annual operating events, assists area agencies with communications when requested, and offers training classes for advancement in amateur radio. It also sponsors the JARC HamFest each year in April, and maintains a wide area coverage OPEN 2m repeater on 147.21 MHz.

Club members often meet weekday mornings in Joplin for coffee at the Target Store (3151 East 7th St.) around 8:30 a.m. Members also meet for breakfast on Saturday morning

around 8:30 AM. Presently, the club is meeting at the restaurant in Albertson's on 18th and Maiden Lane in Joplin. For details, contact Ray Brown KBØSTN at (417) 781-4967

## 1999 CLUB OFFICERS:

President: Ray Brown KBØSTN  
Vice-Pres. Jim Scott WBØIYC  
Treasurer: Jim Johannes NØZSQ  
Secretary: Dave Ferguson NØKMP

## Amateur Radio VE Testing

License testing by volunteer examiners takes place on the 3rd Thursday of each month (except June & July) at St. Paul's Methodist Church located at 2423 West 26th St. in Joplin. Sign up at 6:30 PM, testing begins promptly at 7 PM.

## ABOUT THE NEWSLETTER

This club newsletter offers an open forum for the Four-State area amateur radio community, and **your** comments and contributions are always invited. Items for publication, including classified ads and amateur radio related articles, may be sent to the **JARC Printed Circuit**, P.O. Box 2983, Joplin, MO 64803-2983, or send email to: jimscott@janics.com

Deadline for submissions is the 20th of the month preceding the month of publication. Non-Commercial Classified ads are free and will be run on a space available basis whenever requested. Submissions may be typed, handwritten, ASCII text files attached with email, or on disks formatted for IBM. *All items* are subject to editing for spelling, content, and space limitations as required.

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