

PRINTED CIRCUIT

SUMMER 2000

Newsletter of the Joplin Amateur Radio Club

Vol. 10 Issue No. 2

ARES ASKS FOR LOCAL HAM PARTICIPATION

In an open letter from Andy KAØTUD, representing the Jasper County Amateur Radio Emergency Services dated July 4th, 2000, he wrote the following letter to encourage Hams in the four state area to get more involved.

To all concerned amateurs:

I am contacting amateurs in this Great Community, for the purpose of increasing membership in the Amateur Radio Emergency Service (ARES).

The Federal Communications Commission recognizes the capability of Amateur Radio by stating its "recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with the respect to providing emergency communications."

The American Radio Relay League (ARRL) sponsors the ARES which provides emergency communications in time of need. Granted, most amateurs can provide some type of communications during a disaster, but ARES organizes our response.

You need not be a member of the ARRL to belong to ARES. You don't need to spend any money. You don't have to spend every other weekend training for a disaster. You only have to dedicate as much spare time as you can to public service.

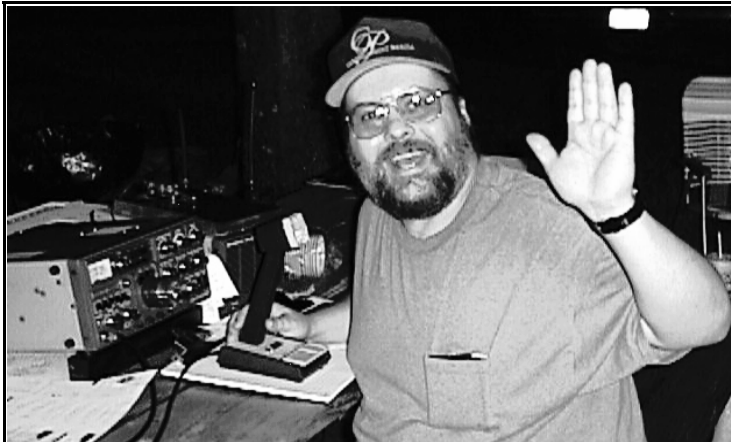
Help Amateur Radio "Pay its way." Please check into our ARES Net which meets every Monday at 9 PM, on 147.210.

Please plan to attend our ARES Meetings held on the 1st & 3rd Tuesdays at the Red Cross Chapter, located at 4th & Jackson Ave. in Joplin, Missouri.

For more information on how you can help, phone 624-4411, 624-1108, or 673-8371 ¶

FIELD DAY PICTURES AND MORE...

The Joplin Amateur Radio Club held their annual Field Day Event on the top of Dover Hill on North Main St. in Joplin. It was a terrific location if your into **close-in** camping. We had three motor homes on site supplied by Jim NØZSQ, Martin WD6FIC, and our annual visitor from VA, Earl KE4NBX. Dave NØKMP chaired the event this year, and he did a fine job coordinating it.



**DAN
KCØBBU**

**"ARE WE
HAVING
FUN YET?"**



We set up several stations, Jim NØZSQ had a rig in the motor home set up for 20/15m, and we had both a 40m and 2m/6m station in a tent supplied by Ray KBØSTN, and one other novice station operating on 10m on one of two park bench tables supplied by the City of Joplin (for this event). Did I forget to mention we also had a "Port-O-Let" (rented by the club), although no one operated from it.!

The club had no less than two stations running continuously, with Jim operating mostly on 20m, and working Canada and HI on 15m using a ground mounted Vertical. Dave, yes Dave, was running the 10m rig. Saturday the bands were hot, I worked over 50 stations on 10m

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extending from MA to FL, and West TX to ONT in Canada. Mark operated opposite me on 10m, and Martin covered 6m and 2m, his comment was that six was pretty good, but 2m was pretty quiet. Hal and Ray mostly operated the



40m setup. Hal found some wire, and built the 40m dipole antenna on site. My old trapped dipole worked better on 10.

The club was very fortunate to have two members with some very special resources. A new ham, David Murphy KD5KUQ provided a commercial Ingersoll Rand Generator with floodlights mounted on a gooseneck, and Clyde Thornbough NØNFZ (a.k.a. T-Bird) who supplied a trailer which he had modified to support a Rohn 25-G Tower. We rigged up the 30 foot tower on the ground. A spreader was installed near the top which had two dipoles draped from it. On the top, a rotor was attached with a 2m and 6m beam. A "Big Wheel" was mounted just below the beams which completed the array of antennas. Once assembled, the tower which was pivoted at the base was raised with a winch. To complete the installation, the tower was guyed and anchored

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NEW TWO METER RECORD FOR TWO JOPLIN HAMS

REPORTED BY JOHN TUDENHAM WØJRP

At 0313 utc, 26 June 2000, both NØMST and WØJRP worked station N6YM at grid CM88XG in the bay area of CA.

This is a record on two meters for myself and Larry, NØMST. It appears to have been a long single hop. The E-skip distance from EM27RB to CM88XG is exactly 1500 miles. Larry, NØMST indicated that he also worked WB6NTL. ¶

THE WORLD OF VHF & UHF

BY JOHN TUDENHAM WØJRP

LOOK FOR METEORS FIND AURORA

August 12 each year is the peak of the Perseids Meteor Shower and many VHF DXers all over the world are "Working the rocks". This means working stations up to about 1300 miles during a Meteor burst. I woke up at about 3AM and decided to give two meters a try around 144.2 MHz. To my surprise instead of meteors there were Aurora Signals with the beam North. Activity was unusually high for that time of night as most like myself were looking for Meteors.

Aurora brings in steady garbled signals fairly strong and only CW is readable. I quickly plugged in the key and worked many stations including K2TXB (FN02), and WA2FGK (FN21) in NY. I heard stations as far west as CO. After our two meter QSO K2TXB and I switched to 222.080 MHz and I heard him weakly but he was unable to hear my 100 watts. NY would have been a new state (#22) for me on 222, but we didn't make it. Later I heard him work a St. Louis station on 222.

Signals were good on two meters and instead of the usual RST report used on CW you use RSA giving an "A" instead of a tone report, as there is no tone, just a broad signal with a lot of hash.

Later, I did QSY to six meters and did work KB0PE in grid EM48 in the St. Louis area on Aurora using sideband. Voice signals are readable on six if you speak slow, but still very garbled. I finally went QRT around 0430 and back to bed as we had to get up early for a trip to Cabool.

Jay KØETC was also active in the opening. This was an exciting time for two meter DX operators as the previous two evenings we had a great tropo ducting opening to MN and IA with very strong signals. NØMST, WØVD, KØETC, and I all got in on the action. During these

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opening I also switched to 222 MHz and worked two MN and an IA station. My 432 antenna was down or I could have made QSOs on that band too. This is another reason that makes so called weak signal work on VHF interesting. An FM signal has to be 10 dB or more stronger to be readable. Some of the stations on two meters run fairly high power which is sometimes needed. W0VD runs 1500 watts (he also works EME) and N0MST about 400W. K0ETC and I run about 150W which is about average power for these bands. Power is not always needed during a Tropo opening. I was working a station near Sioux City, IA and cut my power to 5 watts, and he read me loud and clear.

Interestingly, while all this activity was going on on two meters, there was very little action on six.

See you on the other magic bands.

73
John
W0JRP - EM27RB

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with "Come-Alongs", then the trailer blocked up for stability. T-Bird then climbed it to the top to demonstrate that it was safe (he had done this at home the night before - confirming the sanity suspicions of the neighborhood).

Several local hams came out, set up, and/or operated the weekend event, and I hope I acknowledge all of you. Special thanks to Earl and Ray for handling the Press when they arrived, to T-Bird for his creative efforts with the tower installation, and David for his loan of the generator. Many thanks to all of you who contributed equipment, time, and vehicles to make this event such a success.

Thanks to all of the Hams that participated included Ray KB0STN, Dave N0KMP, Hal WB0LJF, Jim N0ZSQ, Martin WD6FIC, Earl KE4NBX, Dan KC0BBU, David KD5KUQ, Mark N0ZPD, John W0JRP, and others I might have missed. Hope to see you next year.

73
Jim WB0IYC

HAMFEST CALENDAR

Note: Listings are updated as information becomes available.
Courtesy of Lonnie Allen N0TBO

Saturday August 26th - Columbia, MO
Central Missouri Radio Association
HAMFEST 2000, MO Nat. Guard Armory
5151 North Roger Wilson Road
TALK-IN 146.760, Doors open at 0800
<http://www.qsl.net/cmra>

August 27th, 2000 - Salina, KS
Central Kansas ARC
<http://homepage.netspaceonline.com/~tremblay/>
Ron Tremblay, WA0PSF
112 North Douglas Drive, Salina, KS 67401
Phone: (785) 827-8149

Sunday August 27th - St. Charles, MO.
St. Charles Amateur Radio Club
HAMFEST 2000 - Indoors/Outdoors
Blanchette Park 6:30 A.M. - 1:00 P.M.
Outside Flea Market (electronics only)
\$8.00 per Parking Space.

Inside over 7800 sq. ft. Air Conditioned
Memorial Hall \$15.00 per 8 ft. Table
Contact Ken Fieser (314) 428-4383
E-Mail: kfieser@aol.com
Talk-in on 146.670-

September 2nd, 2000 - Crane MO
CRANE HAMFEST at the City Park
8 AM - 3 PM A Free FEST
Buy-Sell-Trade HAM-RADIOS, C.B.'S,
Computers, Electronics
NO ADMISSION - 48 Tables on a First
Come basis. Talk-In 146.820-
Lonnie Allen KC0HJP (417) 723-5671
email n0tbo@gte.net

September 8-9, 2000 - Mena Arkansas
On Rich Mountain at the Queen
Wilhelmina State Park.
Talk in on 146.79, 100 hz.
Flea-market, camping, family fun.
See webpage at <http://qwha.intrastar.net>.
Ray Lively, W5DLC
raysoft@intrastar.net

September 10th - MONETT, MO
OARS Annual HAMFEST & PICNIC
MONETT City Park - FREE Admission
TALK-IN 146.970 MHz - Starts 8AM
Prize Tickets \$3, or 2 for \$5
Bring a Covered Dish - Dinner at Noon

SCHEDULED ARES NETS AND ACTIVITIES

Listed here are the Nets & Activities planned for Aug/Sep. Future activities, such as Emergency Exercises, will be announced at meetings or on the net.

The **ARES Group** meets at the **Red Cross Chapter**, located at 4th and Jackson (7 blks W. of Main) in Joplin, on the **first and third Tuesday** of the month at **7:30 pm** and welcomes all Hams to attend.

Next ARES Meeting: 9/5 7:30 PM Red Cross Chapter

For announcements, scheduled events, and notices, the **ARES Weekly NET** meets every **Monday at 9 pm** on the JARC Repeater **147.210+**.

The ARES Group is involved in emergency preparedness planning and training for Hams in the four state area. This knowledge can be beneficial in times of need, as Hams offer an effective method of both local and regional communications.

Although the membership roll is important, ARES members are volunteers - you serve as you see fit, but we do need everyone's help implement a plan and to make this a success.

If you need more information on how you can help, please call Andy, KA0TUD (417) 673-8371 After 6 PM weekdays. Or email: ka0tud@arrl.net

CALENDAR ON THIS PAGE

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

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Meeting Times, Testing, and other Club Information

The 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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