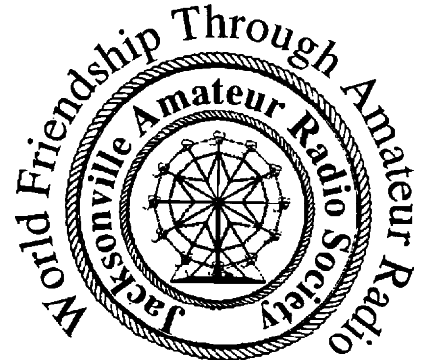


Bi- Monthly
 July
 August*

*This issue will also include September



KB9KCR

Jacksonville Amateur Radio Society Inc. NEWS

**Next J.A.R.S. Meeting on Sep 5th
 7p.m. at Wareco on E. Morton Ave.**

Club Member SK

On a sad note we have to report on the passing of a friend, fellow amateur, and JARS club member J. Granville Jones KD6ITT. Granville had been licensed a few years ago in the San Diego Ca. area about the same time his son Mickey Jones N9OVB got his license. Not far behind them Danny Jones KB9IEW received his license and you could find the three of them in a QSO somewhere on the HF bands between Jacksonville and San Diego. At some point, Granville and his wife decided to move to Jacksonville and we had three generations of Jones's licensed in Jacksonville!

Our thoughts and prayers will be with the entire Jones family.

The Jacksonville Amateur Radio Society Inc. is a not-for-profit organization that provides support for members in all aspects of Amateur Radio which is regulated in the United States of America by the Federal Communications Commission (FCC). We conduct monthly meetings, publish a bi-monthly newsletter, and establish communications in emergencies, disasters, and various drills.

OFFICERS

President	Mike Mayberry WB9RNY
Vice-President	Tim Childers KB9FBI
Secretary	Claude Curry N9PCT
Treasurer	Rich Tavender KB9IXO

Newsletter Editors & Publishers

Tim Childers	KB9FBI
John Adcock	N9WJL
Mike Mayberry	WB9RNY

For Sale;

Amateur Radio And Other Electronic Equipment;

- 1) GE 8 mm Camcorder (remote/extra battery/light/tripod/tapes/&extended warranty) \$450
 - 2) Yaesu FL2100B HF amplifier (1200 Watt PEP) \$400
 - 3) AEA PK-232 TNC (HF/VHF packet/CW/RTTY/AMTOR/FAX) \$150
 - 4) Tandy 1400HD IBM compatible laptop computer with 20meg HD/modem/3.5"FD/software. \$150
 - 5) RCA VR535 VCR (4 head/remote/manual/box) \$125
 - 6) Mosley TA-33 HF Beam (10/15/20 meters) \$100
 - 7) Complete Communicator (voice mail/modem/fax board for IBM compatibles) \$75
 - 8) Sony 4 Track reel-to-reel stereo tape recorder (w/tapes) \$75
 - 9) Wave FM Stereo mini transmitter \$20
 - 10) Technics Turntable \$15
 - 11) Commodore 1541 floppy drive \$15
- Contact Bruce KD9UL (217) 323-9809

Vibroplex Bug
Contact Mickey Jones N9OVH

386 DX Computer / 4 meg ram
120meg HD / Epson Printer & Desk
COMPLETE WORKSTATION! \$300
also IBM compatible XT computer
Contact Bob Engle K9QLL (217)673-6981

Field Day

JARS / IVARC Field Day has come and passed with all involved surviving(I think!). Field Day this year was held at Schuy-Rush Park near Rushville. The logs have been sent in and it looks like about 401 contacts on CW & 396 on phone (you phone guys better brush up for next year to give those hard core CW op's another run for their money). CW contacts count for 2 points & Phone only counts for 1 point. Using our class multiplier of 2 that gives us a total of 2396 less the bonus points. 2396 + 980 bonus points gives us a total of 3376 points.

We contacted every state except for Delaware, Hawaii, Alaska, Idaho, and Utah. As well as contacting Puerto Rico, Virgin Islands, and 5 provinces in Canada (MAR,PQ,ON,MB,SK). In past years we have been able to establish contacts with all states and provinces but we had not kept track this year to see which ones we needed to find on the bands. Contact was also made through the Sat. RS12/13 for the 3rd or 4th year in a row.

I beleve the effort the we as a group put forth on Field Day is the absoloute best that any Field Day team can hope to obtain. It contains the best mix of Hospitality(50 people in attendance), Showing the use of defferent modes of operation, Contest style operating, and Emergency preparation. All involved should give yourself a big pat on the back GOOD JOB!!!

Central Illinois Winter Superfest 1995

Here we go again! We are starting to get the Hamfest organized. The Hamfest in Greenfield Indiana is on December 3rd this year, so to make it easy for the vendors we will work for the date of December the 2nd. As this goes to press Mike N9OFP is checking on building availibility and hopefully by the next meeting we will have tickets and flyers available.

We need help in many areas of planing, the most important is the Table Planning Committee. Ken N9WRA did an exellent job with this committee last year but would like someone else to fill that position this year. You do not have to be able to carry a table to fill this important position, all that is required is to orgainize table collection and return. If you can help with this very important position please attend the next meeting!

Other committies are Food Services, Building Setup, Building Cleanup, Talk-in, Prize Mgmt., Ticket Mgmt., Public Relations, Testing Services, Vendor Services, Road Signs, Club Tables, and P.A. System.

Also needed are Co-Chairman from both JARS and IVARC to serve in an administrative capacity over the planing of the whole Superfest.

WITHOUT THE HELP OF EVERYONE IN BOTH CLUBS THIS HAMFEST IS **NOT** POSSIBLE!!!!

Please help out wherever you can, no matter how minor the role. This is your club's MAIN fundrasier!

For more information about the committies please contact Tim Childers KB9FBI @ (217) 245-2061

■●■ ■●●● ■■■■● ■●■ ■●●● ■●●■
K B 9 K C Q

The IVARC applied for and received the new club call KB9KCQ recently. The call is issued to the IVARC with W9ACU as trustee. Neat! ACU, KCQ kind of rhymes! Also KB9KCQ should be pretty easy to send on CW since most people send CQ about as much as their own call!!

As you already know the JARS Club Callsign is
■●■ ■●●● ■■■■● ■●■ ■●●● ●■●
K B 9 K C R

Speaking of calls the Vanity Callsign Program from the FCC will not take effect untill the new form 610-V is released sometime after September. The way I now understand it the fee has been lowered to \$30 or \$35 for a 10 year license. The JARS has the intentions of requesting the call W9JAX when the second gate opens for Extra Class License holders.

JARS WELCOMES NEW MEMBERS

The JARS has been blessed these past couple of months with several new members. Some are new hams and some have been around a while but have just joined the JARS. We would like to welcome all the new members to the club.

New Members Are;

K9AHY	Kenny Robson	Jacksonville, IL.
KA9PHT	Roger Luthy	Versailles, IL.
KB9JIZ	Charlyn Funk	Liberty, IL.
KB9KHP	Margo Gilmore	Jacksonville, IL.
KB9KHQ	Kay Green	Jacksonville, IL.
KB9KHR	John Green	Jacksonville, IL.
KB9KHS	Oadie Carter	Jacksonville, IL.
KB9KHU	Roy VanBebber	Jacksonville, IL.
KB9KHV	Wayne VanBebber	Jacksonville, IL.
KB9KOT	Jack Trumbo Sr.	Jacksonville, IL.
KB9KOU	Henry Harris	Jacksonville, IL.
KB9KRK	Larry Spoon	Beardstown, IL.
N9MTN	Rusty Wilson	Table Grove, IL.
N9MZT	Mary Wilson	Table Grove, IL.
WA9UAA	Rob Meyer	Quincy, IL.

JARS REPEATER AUTOPATCH EMERGENCY NUMBERS

910 - Red Cross (Jacksonville)
911 - Jacksonville City Police
912 - Morgan Co. Sheriff
913 - Passavant Hospital Paramedics
(Pound Key) ends the autopatch call.
9* extends autopatch timer

1 - Time in Voice
2 - Date in Voice
3 - Time & Date
7 - Time in CW
8 - Date in CW
30 - Club Information
31 - Test Information

CLUB ROSTER

K9AGB	Steve Tuma	RR1 Box15	Jacksonville**
K9LTI	Gene Glossop	RR1 Box55	Ashland IL.**
K9LUO	George Strawn	RR3	Jacksonville**
K9OIC	Sam Wallace	POB 92	Alsey IL.**
K9QLL*	Bob Engle	RR2	Franklin IL.
K9VPX*	Coy Burnett	1338 S. East St	Jacksonville
KA9HXV	Harry Hunter	RR1 Box 68	Alexander IL.**
KA9QLF	Steve Wenger	308 S. Church	Jacksonville**
KA9UFX	Jim Dunham	RR1 Box 232	Browning IL.**
KA9VXU	Mary Hunter	RR1 Box 68	Alexander IL.**
KB0HOO*	Charlie Collier	RR7 Box 12B	Quincy IL.
KB4ONU	Darrell Day	1044 NE 4th Ave	Homestead FL.**
KB9CEQ	Andrea Funk	RR1 Box 151A	Liberty IL.
KB9CES	Melba Funk	RR1 Box 151A	Liberty IL.
KB9DLZ	Scott Shade	MOVED TO	Springfield**
KB9FAY	Guy Trone	RR1 Box 300	Beardstown
KB9FBI*	Tim Childers	773 E.College Ave	Jacksonville
KB9FLS	Rocky Mayberry	POB 474	Hamel IL.
KB9HYU	Jim Hendricks	RR3 Box 108	Plymouth IL.**
KB9IEW*	Danny Jones	5 Westgate Circle	Jacksonville
KB9IXO*	Rich Tavender	721 E. State	Jacksonville
KB9JIZ	Charlyn Funk	RR1 Box 151A	Liberty, IL.
KB9KHP*	Margo Gilmore	800 Hoagland A502	Jacksonville
KB9KHQ	Kay Green	27 Ivywood Dr.	Jacksonville
KB9KHR	John Green	27 Ivywood Dr.	Jacksonville
KB9KHS*	Oadie Carter	7 Catalina Ct.	Jacksonville
KB9KHU	Roy VanBebber	RR #1	Murrayville, IL.
KB9KHV	Gary VanBebber	RR2 Box 113	Murrayville,IL.
KB9KOT*	Jack Trumbo Sr.	215 S. East	Jacksonville
KB9KOU*	Henry Harris	431 S. Clay	Jacksonville
KB9KRK	Larry Spoon	817 Wall	Beardstown, IL.
KD9UL	Bruce Boston	815 E. Third St.	Beardstown IL.**
KE9GU	Jim Chute	458 W. Jefferson	Rushville IL.
N2PSG	Bob Heil	POB 603	Farmingdale NY.
N9IDN	Joan Chute	458 W. Jefferson	Rushville IL.
N9IQV	Melanie Funk	RR1 Box 151A	Liberty, IL.
N9JF	Jim Funk	RR1 Box 151A	Liberty, IL.
N9MAF*	Al Tabor	RR1 Box 376	Pawnee, IL.
N9MTN	Rusty Wilson	RR 2 Box 47	Table Grove, IL.
N9MTX	Darren Funk	RR1 Box 151A	Liberty, IL.
N9MZT	Mary Wilson	RR 2 Box 47	Table Grove, IL.
N9OFP	Mike Myers	4 East Lake Dr.	Jacksonville
N9OVB*	Mickey Jones	5 Westgate Circle	Jacksonville
N9OZM	Bob Daniel	860 Maple	Virginia IL.**
N9PCT*	Claude Curry	1405 Hardin Ave	Jacksonville
N9QJM	Russ Ward	5 Southview Dr.	Jacksonville**
N9QOI	Jim Daniel	102 W. Union	Virginia IL.**
N9UHA	Nancy Trone	RR1 Box 300	Beardstown IL.
N9UPD*	Chad Myers	4 East Lake Dr.	Jacksonville
N9WJL	John Adcock	RR 5 Box 116	Jacksonville
N9WJM*	George Mellor Sr.	RR1 Box 286	Murrayville IL.
N9WQJ	Kenny Mayner	RR 5	Jacksonville**
N9WQK	Craig Schmitz	RR 1 Box 64	Meredosia IL.**
N9WRA	Ken Kolberer	699 E. State	Jacksonville
N9XAT	Donn James	RR 3 Box 3083	Pittsfield IL.**
N9YAY*	Rich Ranson	P.O. Box 143	Murrayville IL.
N9ZPJ	Tim Thurston	841 W. Morton #58	Jacksonville
W9OES*	Vince Berkman	403 W. Greenwood	Jacksonville
W9UFL	Jay O'Reilly	1319 Tendick, Apt3	Jacksonville
W9ZIT	Doc Prewitt	30 Briarwick Dr.	Jacksonville
WA7AVC	Gorden Cady	8216 38th Ave NE	Seattle Wa.
WA9GMM	Don Mayberry	607 N. Fayette	Jacksonville**
WA9GUJ	Hellen Mayberry	607 N. Fayette	Jacksonville**
WA9UAA*	Rob Meyer	401 Elm Apt #7	Quincy, IL.
WA9UQC	Ernest Launer	502 S. Cass	Virginia IL.**
WB9OEZ*	Bob Dinsmore	800 Hogland Blvd.	Jacksonville
WB9RNY*	Mike Mayberry	705 Daly Dr.	Jacksonville
WB9ZPY	Wayne Childers	411 S. Mill	Athens IL.**
WD9FYZ*	John Corder	248 N. Webster	Jacksonville

(* by call sign indicates Phone Patch Privileges)
(** by city indicates has not paid 95-96 Dues)

Director N9OFP Mike Myers
Director W9OES Vince Berkman
Director WA9GUJ Hellen Mayberry
Repeater Trustee KB9FBI Tim Childers

A USER'S GUIDE TO REPEATERS

What is a repeater?

A repeater is an automatically controlled transmitter and receiver that simply transmits what the receiver hears. By placing repeaters at sites with high elevation and antennas atop large towers, workable coverage is greatly increased.

What is a courtesy tone?

A courtesy tone is a short tone or series of tones that sound over the transmitter of a repeater when someone unkeys a radio. So, when you let up off the mike, you hear a tone. This tone serves three purposes: 1) to let the other people on frequency know you are finished talking; 2) to let the repeater timer reset (more on this later); and 3) to give a one second pause for anyone who might need to break into a conversation for emergency purposes. More advanced repeater systems will provide information by courtesy tone. Some repeaters will give a tone that goes up or down in pitch according to how well your signal is to the repeater. For instance, a low tone may mean that the repeater is hearing you S1, while a high tone may mean S9. More frequently, a morse code character is used as a courtesy tone to inform you as to which receiver of the repeater you are using. For instance, a "P" may mean you are using the Petersburg receiver, while an "E" may mean you're using the Evansville receiver.

What is a remote receiver?

A remote receiver system is another way of extending a repeater's range. A receiver tuned to the same frequency as the main repeater input may be placed several miles away from the repeater. This "remote receiver" then retransmits the signals it hears, just like a repeater. But, the "remote receiver" transmits the signal on a different frequency. This is known as auxiliary operation, and is commonly done on 440 MHz. At the repeater site, several 440 receivers are used to hear all of the remote receivers. A device called a voter listens to all the signals, and chooses the one with the best signal-to-noise ratio, thus picking the best sounding signal. That one signal is then sent to the repeater. So, essentially a repeater with remote receivers may have six receivers tied to one transmitter. But, the voter allows only the strongest signal to be placed on the transmitter.

What is a repeater (or dropout) timer?

Timers are used on repeaters in the event that someone may accidentally keep their radio keyed for an extended period of time. Usually this happens if a microphone gets caught in between the seats in a car or someone sits atop a microphone. After a certain amount of time that is determined by the owner(s) of the repeater, the repeater will turn itself off until the signal disappears. This helps the repeater from overheating. Most repeaters have a timer of three to five minutes. So, if you talk for more than three minutes at a time, the repeater may not be there when you unkey! The repeater timer resets when you hear a courtesy tone. Then, you have another three to five minutes of time to chat! (This timer is also good for keeping long-winded people in line and give someone else a chance to talk!!!)

What is a link?

Yet another way of extending communications range is with a link. A link simply ties two repeaters together. So, what is heard on one repeater is heard on another. This is the case of the 145.15 and 146.925 repeaters. Let's say you're driving from Madisonville, KY to Terre Haute, IN. You start out using the 145.15 repeater in Evansville. You're talking away to someone, and before long you notice you're almost to Vincennes and the repeater is sounding a little noisy. Instead of stopping the conversation, all you have to do is change your radio to 146.925, the Vincennes repeater. Then you can talk to your friend on 145.15 by using the repeater closer to you, the 146.925. You can then drive until you run out of range of the Vincennes repeater. In this way, you are talking to your friend on a repeater he's not even using! By using multiple links, regions of the country can be interconnected for thousands of miles of repeater coverage. Some links are continuous, or full time. The link is never turned off, except

for when an autopatch is in progress. Others may be activated with DTMF tones so that the link can be turned on and off as desired. Repeater control operators are usually the only ones with link DTMF codes. An example of such a part-time link is the 145.45 Petersburg and 147.00 Winslow repeaters.

What is an autopatch?

An autopatch is an automatic phone patch. A phone line is connected to a radio so that you can make phone calls over the radio. An autopatch is initiated by pressing the proper code on the DTMF pad of your radio. Most repeaters require that you enter the on code and the phone number all in one transmission. The repeater then dials the number, and you can begin talking on the phone. A few older autopatches require that you pressed the on code, unkey and wait for a dial tone, and then dial your number. Please check with the repeater owner. In either case, remember that autopatches are half-duplex. This means that while your mike is keyed, you can not hear the person on the phone. So the person on the phone may be saying something that you can't hear! It is often helpful to tell the person you're calling that you are on an autopatch and that they will not be able to talk until you stop talking. The autopatch usually has a timer, much like the repeater timer, of three to five minutes. This is intended to keep calls short so that other people can use the repeater. If the autopatch beeps or tells you that the timer is running short, you can enter a patch extend code on your DTMF pad to give you a couple of extra minutes if you aren't quite finished with your call. The autopatch is then ended by the off code from your DTMF pad. These codes can be obtained from the owner(s) of the repeater you wish to use. Most clubs or owners suggest that you make a small donation to the autopatch fund to help pay for the phone line and the upkeep of the repeater. Contact the repeater owner(s) for details.

It is a common courtesy to repeater owners and users that you identify yourself as using the autopatch before dialing. Most control operators will shut the patch off in progress unless you do so. This is simply for security purposes. Unfortunately, some pranksters may decide to call 911 at 3am for no reason at all. By identifying your station before you make a call, the control operators listening will know that the call is OK. You should then again identify as turning off the patch after you have entered the off code and the repeater has acknowledged that the autopatch is now off.

Speaking of courtesy.....

Repeater courtesy is very important. Since many of us enjoy the use of repeaters daily, and many of us have to share a repeater, courtesy is a must. Probably the most courteous thing to do on a repeater is to wait until a conversation that is currently on a repeater is over before making a call. Unless you have an answer to a question someone is pondering, you have an emergency, or you've waited for several minutes and you must call someone immediately, don't interrupt the conversation. It is very courteous to break in, make your call, and then move off the repeater as soon as possible. If you are in simplex range, try not to tie up the repeater; use simplex. If a repeater is busy, make your call and then move to a repeater that is not busy. But by all means if you have an emergency, don't hesitate to break in. The Amateur Service is designed for emergency communications. Anytime life or property is in danger, don't be afraid to break in!!!

Another very courteous thing to do is to wait until the courtesy tone sounds before talking. People who are "quick on the trigger" may not leave enough room for someone to break in, and also do not allow the repeater timer to reset. Some repeaters with multiple links may also take a second to activate all the links in the network. Keying down a second before you start to talk can make life much easier for the person you are talking to on linked repeaters.

Below are some DOs and DON'Ts based on an article in the June 1992 issue of QST. While these are not laws, they are wonderful aids to keeping people on repeaters as friends.

DOs:

- Speak clearly. Give your radio a second to come on after you key your mike as well as a second to turn off. You may cut yourself off by not waiting for your radio to respond. This is also critical when using linked repeaters because the repeater may take a second or two to key on.
- If you hear a jammer, IGNORE HIM! Comments toward jammers simply add fuel to the fire. Just try to bear with it and keep on talking as if you couldn't even hear the jammer.
- Be sure to identify every ten minutes! This is not a courtesy, but an FCC rule. It is a courtesy, however, to not overidentify. Don't ID every time you key the mike.
- Ask for a signal report when you are hand-held or a long distance away from the repeater. If you're weak, you may want to wait until you're closer to a repeater receiver.

· Always be friendly and courteous! Always remember that there* are other hams (and non-hams) listening!

· When in a group discussion, it is courteous to list the callsigns currently in the conversation before you ID. The person to talk next is always listed first. For example, you are finishing your transmission and it is N9ZZZ's turn to talk, and K9XXX just talked before you did. So, you would say, "N9ZZZ and K9XXX, this is AA9ZZ." For larger groups, "N9ZZZ and the group" will work. By listing the people in the conversation, others will be reminded not to forget the other people waiting to add something to the conversation. This also keeps the person who's been waiting for several minutes to talk happy because he knows he's not forgotten.

· DO support the repeater you use! Repeaters are not cheap!

· DO say "clear" after you are done calling someone that was not on frequency or when you are finished with a conversation. This informs others waiting to use the repeater that you're done!

DON'Ts

· Don't use radio jargon. Q signals and the like are seldom used on VHF and UHF. Simply talk as if you were using the telephone. The best way to realize this is to listen to experienced hams.

· Don't break into a QSO unless you have emergency or priority traffic or something valuable to add to the conversation.

· Don't use the repeater to shoot the breeze with a local station. Use simplex when possible. If you do shoot the breeze with a distant station, be sure to leave room for people who also need the use of the repeater.

· Don't use excessive mike gain. Distorted audio is very annoying.

Copied from A User's Guide To Repeaters
 Courtesy of the EARS Wide Area Repeater System
 KB9KBT/R, Evansville, Vincennes, and
 Indianapolis, Indiana.

Hamfest Calendar

- August 27 - StCharles Mo.
- " - Danville IL.
- " - Woodstock IL.
- " - Oak Brook Terrace IL.
- September 2 - Indianapolis IN.
- " 9 - Fort Wayne IN.
- " - Laporte IN.
- " - Spencer IN.
- " 8-10 - Rolling Meadows IL. W9DXCC Convention
- " 10 - Joliet IL.
- " - Harrisburg IL.
- " - Dubuque IA.
- " - Monett MO.
- " 15-17 Peoria IL. Superfest ARRL State Convention
- " 23-24 - Grayslake IL.
- " 24 - Cottleville MO. -StPeters ARC
- " 30 - Preu IN.

Jacksonville Amateur Radio Society 1995-1996

Name _____ **Amateur Callsign** _____

Address _____ **License Class** _____

City _____ **State** _____ **Zip** _____

Phone # () _____ **Date of birth:** ____/____/____

Check here if you do not want your telephone number listed in the club roster.

(Check One) Type of membership

- Individual \$15.00
- Family \$20.00
- Student/Ass. \$7.50
- +Autopatch \$10.00

(Check One)

- New Membership
- Renewal

(Check if it applies)

- ARRL Member
- RES Member
- RACES Member
- TS Traffic
- Skywarn Trained
- Packet (if so BBS?) _____