

“KAR”

Kansas Amateur Radio

“KAR”

June 2017 Newsletter

<http://ksarri.org/kar/>
kb0rwi@arri.net



Kent Stutzman - KB0RWI

Hello all! Just as I was about to put the final touches on the newsletter, one last item came in. I am glad to get content and have considered a few items over the past month. I carried over the design and am considering a brand new look. So I would like to ask for people to take scenic pictures of Kansas from where ever you are and send them to me. The high resolution of most smart phones will be sufficient if taken in letter format, sized to fit 8.5"x 11" much like my picture to the left.

Of note in this newsletter is the Kansas Amateur of the Year award. There was no winner last year. It was found that many addresses were wrong and e-mails bounced. We change e-mails so often and forget where we need to make updates. This trickles across every aspect of our lives, online and in the hobby. I urge you to contact Chuck at the appropriate address in this newsletter to nominate a deserving person.

I will continue to compile a list of people wishing to be notified of the posting of the KAR to the website. If you would like to be added to the list, contact me with a note stating your wish. Have a great field day!

Kent Stutzman, KB0RWI

Links for Kansas Hams!

ARRL	http://www.arrl.org
Kansas Section Pages and KAR's	http://ksarri.org/
ARRL Midwest Director's Newsletter	http://www.arrlmidwest.org/newsletter/newsletter.pdf
Kansas ARES Pages	http://ksarri.org/ares
Kansas ARES Printable Map	http://ksarri.org/ares/printit/
Wichita NWS Skywarn	http://www.ict-skywarn.org
Kansas QSO Party	http://ksqsoparty.org
Newton ARC	http://www.newtonarc.org
Wichita ARC	http://www.warc1.org
Ensor Museum	http://www.ensorparkandmuseum.org/
S. A. T. E. R. N.	http://www.SATERN.salvationarmy.us
KC ham Info	http://www.kchams.net/larrys_list.html
NF9L KC page	http://kchamradio.com/
ARRL KS Section News Page	http://www.arrl.org/Groups/view/kansas
Wheat State Wireless Association	https://www.facebook.com/groups/WS0WA/
Sand Hills Amateur Radio Club, Inc	http://www.SandhillsARC.com
Jarbalo Amateur Radio Association	http://jara.signaleer.us

The Dirty Kanza 200

The Emporia Amateur Radio Society (EARS) set-up amateur radio communications to cover the route of the Dirty Kanza 200 and associated bike races. The DK200 is a "gravel grinder" bicycle race through the scenic Flint Hills of Kansas and is always held the first Saturday after Memorial Day. This year there were 2500 riders, including many international riders, participating in races covering 25 miles, 50 miles, 100 miles and 200 miles. EARS working with amateur radio operators from The Kansas City Jeep Club established communications over the 200-mile course and assisted riders and organizers during the 21-hour event.

Because the course covers so much remote territory it was necessary to set-up four portable stations at various points along the course to serve as cross-band repeaters back to the 146.985 repeater in Emporia. Via the cross-band repeaters, jeep drivers and operators staffing the checkpoints could use HTs to communicate with net control in Emporia. Sixteen members of EARS staffed net control in Emporia, served as rovers to set-up and take-down the remote repeaters, and staffed four checkpoints (1 in Emporia, 2 different checkpoints in Madison and 1 in Eureka). In addition, 13 ham radio operators from the Kansas City Jeep Club drove or rode in jeeps to provide coverage on the route itself.

Thanks to Dwight Moore, KDØOIX
Secretary for EARS



Go to >> <http://ksarri.org/> and click on >>>>>>>>>>>>>>>>

Supporting Our Veterans - Honorably Discharged
[S*M*A*R*T - Special Military Active Retired Travel Club](#)

KCONDG Sherwin

or SARG; EX-K102 1960 to 1987

or TOP, 1SG; Army USAR, Retired 1951 to 1987 --- final discharge 1994

God Bless those who have served this great country AMERICA

Proud Military Veteran

SEEING THE COUNTRY WE DEFEND

SHERWIN & DOROTHY STIELOW

From Larry's List

This may be of interest to the group

73

Joe Krout W0PWJ
W0PWJ@arrl.net

WB9QZB <wb9qzb@aol.com>: May 31 05:43PM -0400

ARRL/TAPR DCC Announced, St. Louis, MO, September 15 - 17, 2017
Holiday Inn Airport West, Earth City, MO
More Information at: <http://www.tapr.org/dcc>



B & H Sales 26th Annual Sidewalk Sale

June 17, 2017 8:00AM – 12:00 Noon
Derby Radio Shack Parking Lot
707 North Baltimore
316-788-4225

Tailgate and Tables – All Outdoors
Free Coffee and Donuts

Arrive early or items may be gone
<http://www.hamradiocenter.biz>



ARRL Midwest Director
Roderick K. Blocksome KØDAS

The ARRL Midwest Division June 2017 Newsletter is now available on the Division's Web page.
Here's the direct link:

<http://www.arrlmidwest.org/newsletter/newsletter.pdf>

This link always takes you to the current month's newsletter. If this month's newsletter doesn't open, try refreshing the page or clearing your browser's cache, in case your browser is loading a copy of a previous newsletter. Previous newsletters are available at:

<http://www.arrlmidwest.org/> and click on the Newsletter Archives link.

Highlights this month are:

ARRL Affiliated Clubs in the Midwest Division
Hutchinson, Kansas Wild Fires
Missouri Digital Radio Work
Back from the Pacific Ocean
Midwest Division Special Event Stations
Midwest Division ARRL Hamfests & Conventions

Thanks and 73's,

ARRL Midwest Division Director:
Roderick K Blocksome, K0DAS
k0das@arrl.org



S.A.T.E.R.N.


Salvation Army Team Emergency Radio Network

Latest Newsletter

<http://ksarrl.org/satern>


My apologies to Mike for posting the June Newsletter very late this month.

- KAR Editor



ARES – Amateur Radio Emergency Service!

Complete list of ECs and a printable State Ares map <http://ksarrl.org/ares/>



<http://ksarrl.org/ares/alphaks.php/>

<http://ksarrl.org/distks.php>

AMATEUR RADIO EMERGENCY SERVICE

MONTHLY EC REPORT

◆ Zone 2F – Stan WDØEUF

◆ Zone 3B – Eric KCØARW

◆ Zone 4A – Brian KCØBS

◆ Zone 6E – Rod KØEQH

Kansas ARES Net Report Zone 6A,E & G May 2017

Total Nets.....5
Total QNI.....34

Stations participating: WBØQYA, ACØE, NØOMC, NØKQX, NØOXQ, KEØMBK,
WØBYV, KGØVA, KØEQH, KA1OWC

Preparations being made for Field Day 2017. Will be held at QTH of

KDØEVS, Tribune, KS. All are welcome.

Rod
KØEQH
NCS

June 24-25, 2017



<http://www.arrl.org/field-day-locator>

Kansas QSO Party Update

August 26-27, 2017

The 2017 KSQP will be the 9th year of the KSQP. As the KSQP has quickly risen to be one of the QSO parties that is sought after by those that have worked the 1x1 stations in previous years, this year will be no different. Bob Harder, WØBH, the event organizer is looking to bring in yet another six letter word bringing the total number of 1x1 calls to 51 for the event. When asked for comment, Bob e-mailed: "I'm in the midst of assigning 1x1 calls for the 2017 KSQP. Interest is high and it looks like we'll have another great group of ops. Could you put in a reminder of the KSQP in the newsletter, and have anyone interested in operating as a 1x1 call who hasn't done it before get in contact with me by email ASAP?" If you want to be on the receiving end of a pile-up, contact Bob at kansas150@hotmail.com

Total Solar Eclipse 2017 - HamSCI

Ham Radio Science Citizen Investigation

HamSCI is the group organizing efforts for the Solar Eclipse QSO Party, as well as other research geared toward amateur radio and the solar eclipse. You can find them at <http://www.hamsci.org>

Sean Kutzko, KX9X
Media and Public Relations Manager
ARRL - The National Association for Amateur Radio

- <https://eclipse.gsfc.nasa.gov/SEgoogle/SEgoogle2001/SE2017Aug21Tgoogle.html>
- <https://www.youtube.com/watch?v=3EviY2Cuxpo>
- <http://www.hamsci.org/basic-project/2017-total-solar-eclipse>

If you missed Hamvention in Xenia, OH this year, the YouTube link will show several forums held by the HamSCI group. For those with financial means or desire you can buy a SDR kit

and put a CW Skimmer on 6 bands and help with the Reverse Beacon Network.

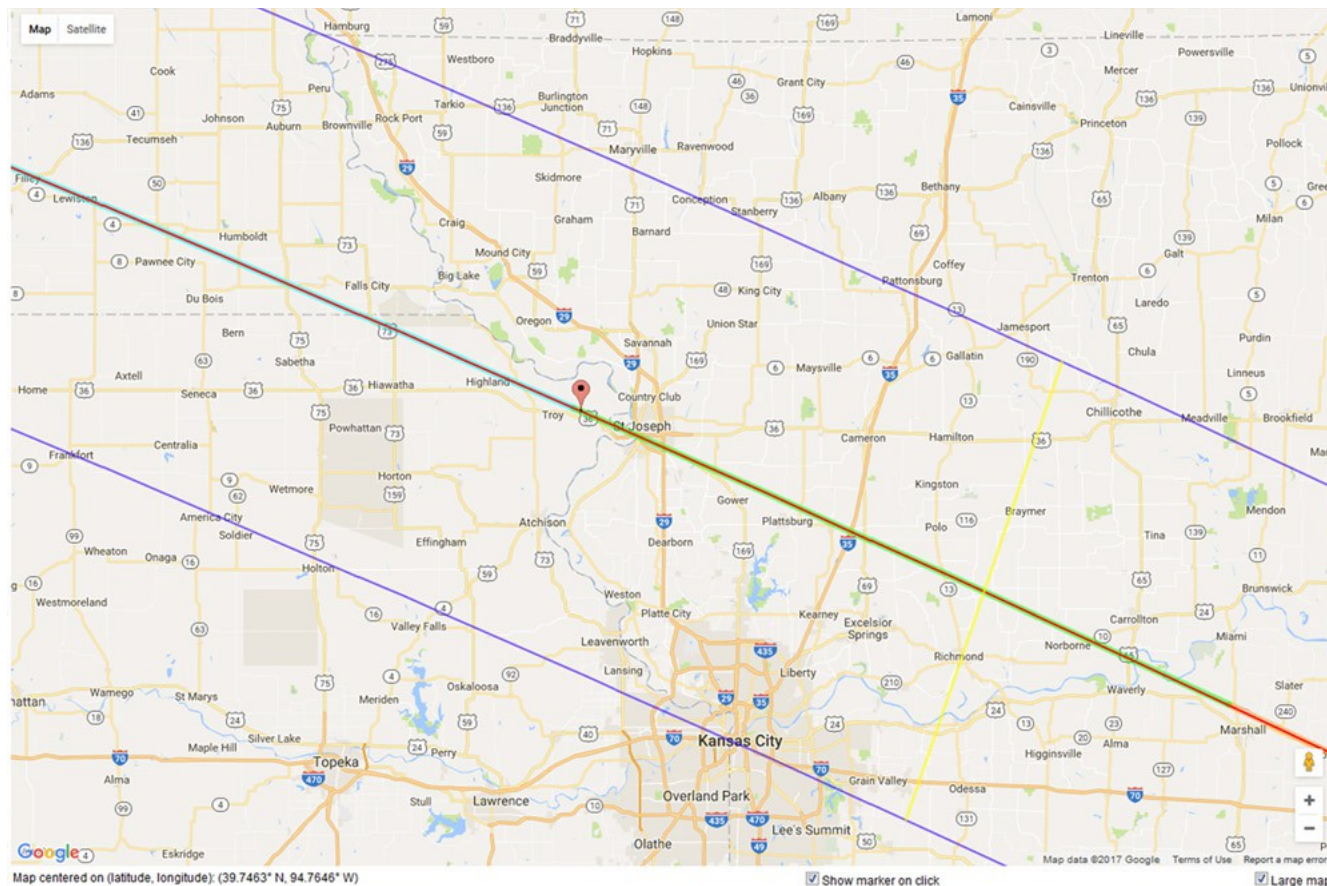


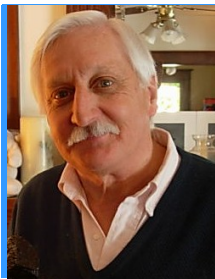
Image found here, zoom in: https://eclipse2017.nasa.gov/sites/default/files/interactive_map/index.html
Google map path of Total Solar Eclipse on August 21 at approx 1608UTC. Screen grab was made with marker a few miles E of Troy, KS on US36. Map centered at 39.7463°N, 94.7646°W

Kansas Amateur of the Year

The Kansas-Nebraska Radio Club in North Central Kansas is asking for nominations for Amateur of the Year. The award was last given out 2 years ago to Justin Reed NV8Q of Minneapolis, Kansas for his contributions and work he has put into the K-Link Repeater system and work he has done with other repeaters, clubs and individuals around the state. The KAOY award is given out at the Kansas State ARRL Convention, which is being held August 20 in Salina. If you or your Club knows of someone who is involved, volunteers and puts their time in to help as well as promote amateur radio; let us know. We will put together a committee of the past recipients to vote the new Amateur of the Year. Please e-mail Chuck, NØMXI at cmoore67467@sbcglobal.net or send nominations via postal mail to the Kansas-Nebraska Radio Club, c/o Chuck Moore, 413 E 6th, Minneapolis, KS 67467.

ARRL KANSAS STATE CONVENTION AUGUST 20, 2017

Webster Conference Center, Ohio St, N of I-70
Sponsored by the Central Kansas Amateur Radio Club
Credit Cards will be accepted for Admission to the Convention



Tom's Key Strokes - WØEAJ

Denver, Co. Displaced Kansas Neighbor
and very gud friend.!

daileyservices@centurylink.net



<https://www.youtube.com/watch?v=DhUUOWteelc>

A bit into the feature, is the launching of a REGULUS guided missile... the Navy's FIRST, and basically a cruise-missile, as it had a jet engine, vs. a rocket (JATO assist WAS used, but the main propulsion was the small jet). This is the missile my Uncle Bill worked on on the USS TOLEDO (a cruiser). The electronic bits they speak of, amounted to a miniature tube socket with a phenolic tube underneath it, with terminal pads... the idea was that you could build whole circuits, directly under a tube. Installation & Repair was much quicker* - somewhere, I still have ONE of the circuits shown in this film, given to me, BY Uncle Bill.

* Unless you're replacing ALL the resistors on the LOW B+ line of a Collins KWM-2, which USED them!

Interesting to me, is that we "came back" to cruise missiles with JETS, some 45 years AFTER the Regulus was discontinued.

* The STORY:

My friend Hunter - KØGFY - bought a KWM-2 off of Ebite and it worked (on receive) for a while, until it began letting the smoke out of it's underside. This particular radio was powered by a Heathkit PS-23; not an uncommon method, but the PS-23 is "strained" some, as it's not quite up to the task. That said, when you're building the PS-23, there's a tap you must select when picking the LOW B+ voltage you want, and the fellow who sold the KWM-2 to my buddy, connected it to the HIGH setting, versus the LOW setting, where it should have been. Add to that, the wiring [sic] OF the PS-23 was pretty poor. The result of this particular story of chaos, was that it burned EVERY resistor on that Low B+ line, and THESE particular resistors were all located on the INSIDE of the layers of components, affixed to the Vector turret-type tube sockets, used by Collins.

The actual socket assembly is a 7 or 9 pin conventional phenolic socket, with a shellac'd cardboard tube, mounted on the underside of the socket. These then had 4 or 6 (depending upon the variety) wiring "loops" sticking out, to which you could attach several component leads, enabling you to BUILD the circuit right AT the tube. Not only did it save space, but kept parasitic oscillations to a bare minimum - UNFORTUNATELY, it also meant that in true compliance to Murphy's Law, the component you needed to change, would be at the level, CLOSEST to the tube, and NOT on the outside, where you could get at it.

This meant several hours with an ohmmeter, tracing the Low B+ line (Collins schematics are a bit like CAR schematics, with lots of terribly long s-t-r-a-i-g-h-t lines that are hard to follow from page-to-page, as when you'd turn a page in the manual, you could very easily lose your place and end up following the WRONG line... using the Ohmmeter was easier by a mile. Eventually, I found ALL the affected (that's a polite way of saying BURNED) resistors, and

replaced them. THAT, boys and girls, got the receiver working great, but the transmit section was another matter... seems as if there were some "modifications" of sorts that hadn't been completed (wires sticking out, connected to nada), and other wiring had simply been REMOVED... It was at that point that I told Hunter... "Hey Bubba... it's time to send this baby back to from whence it came, and get your money back... I won't even charge you for the repairs". Ultimately, that's exactly what happened, but my time underneath that pretty KWM-2 sort of soured me on "wishing for an S-Line" forever.

...and that's how Vector "turret" tube-sockets entered my life.

dit dit – Tom



MFJ's Antenna Analyzers are the result of a great idea in products. I've had 5 of 'em, and only have ONE that works. My '269 (the one that does UHF) has an internal problem in the very top board (holds the N connector for output), and as a result is... shall we say... "Gone" and pretty much beyond repair. Attempting to purchase another from MFJ, I was informed that they do NOT sell boards, individually, but they'd be happy to sell me an ENTIRE SET for about \$250+... grrrr.

So, until a junker MFJ-269 comes along, that little black box just sits... Oh, it generates just fine, but no usable information can be gleaned from it's indications, save that it is indeed ON, and putting out... just not out of the place it's SUPPOSED to be coming out of.

Thus began the quest for schematics... not only for IT, but for the pair of 249s I have. I have a 259B that I recently purchased from Larry's List, and it works fine... but the 249s use some J310 Motorola transistors that are a bit hard to come by, it appears. About 3 months waiting, produced my back-ordered J310s from MOUSER, and I replaced the 3 burned up ones (yeah... all on their own). That got the generator and readout working properly, but have now figured out that the 2N7000 is bad as well, and that feeds the LM339 quad opamp for meter readout and such. I finally asked MFJ for a schematic, and was sent a link to one that was (Honest to Gosh) in GREEK. At first I thought it was Russian, but nope... it's in Greek (we always thought there were things like that that came true, but never actually saw 'em!). I managed to figure out most of it, but the values left a mystery. So - not expecting a positive outcome (cause these units are NOT "boatanchors"), I went to the BAMA (Boat Anchor Manual Archive) "mirror site", which is MUCH easier to use than the regular BAMA site, and found my schematics... to this date, MFJ has NOT responded with THEIR schematics, but oh well... maybe they're celebrating too much, as this year is one of their big anniversaries.

Anyway, here's where to find 'em - and a lot more info on hard-to-find manuals, schematics, et. al.

Tom

<http://bama.edebris.com/manuals/mfj/mfjanalyzers/>



On June 8, I was made aware Tom had a birthday. So let's send

Happy Birthday wishes for the coming year. And a candle on a present!



KAR kb0rwi@arrl.net The **K**ansas **A**mateur **R**adio kb0rwi@arrl.net **KAR**

