Hi gang, I flunked the nuclear stress test. It showed that part of my heart was no getting enough blood. They took me into the cath lab for the 20th time sense 1990 and put a stint in a bypass that was closing up. I have had a totally blocked artery on the back side of my heart sense 90 when bypass graft failed. I am doing fine as long as I don't over do it. The Lord fine tunes me day by day, moment by moment to do what needs to be done. 

**Looks** like our counter part of the FCC in Europe don't think much of our Amateur Radio Licensing qualifications. Our gov support what we are doing with grants. See the following info............CEPT Pulls Automatic Reciprocity from U. S. General, Technicians 

Posted: Feb 25, 2008
The European Conference of Postal and Telecommunications Authorities (CEPT) has withdrawn automatic license reciprocity from U. S. hams holding General or Technician Class licenses. According to the Radio Society of Great Britain, the CEPT's Radio Regulatory Working Group compared U. S. licensing standards against those of other CEPT signatory nations and determined that "the recently revised standards for Technician and General no longer have any equivalent in the European community of nations." Thus, according to RSGB, as of February 4, U. S. Generals and Technicians will have to formally apply for a reciprocal license before being permitted to operate in a CEP <snipped> from Larry's List

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==>
FCC DENIES PETITIONS TO BRING BACK MORSE CODE TESTING
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◆ **PLEASE DO PRINT A KAR SPECIAL for PRB-1 HB 2805 we will be using our website www.hamsforkansas.org as a Central HUB of information for updates & contacts etc so keep checking & thanks again for being proactive so we can better serve our communities in time of disaster.

73
JD Spradling KCem
PRB-1 / HB2805 Chairman / PIO
KC0NYS 913-963-3903

◆ This is from Rick who is a lawyer in parson and a very good CW operator. Sen Umbarger, Good work on SB 615. I hope it finds favor and is moved into law. Please pay attention to HB
2805 as it moves into the Senate for consideration. I am in favor of it. I believe there will be testimony on it Wednesday. It is designed to implement the federal PERB law in Kansas to protect and provide reasonable accommodation to ham operators (amateur radio operators) in Kansas. Many zoning ordinances and restrictive covenants blindly prohibit outside antenna structures. In times of disaster such as Greensburg, the Parsons Tornado, Coffeyville floods and the severe ice storms it is often the ham operators who have purposefully set themselves up with emergency power, decent antennas and stations and have trained in emergency communications who provide the first communications from the site and stay on the scene to assist the Red Cross and other responders. Cell phones do not work when there is no power. The hams at the scene need to be able to talk to other hams who have antenna towers up and in the clear. Your support of this measure will be appreciated.

Rick Tucker
W0RT

◆ Here is an invitation from Lary WØAIB who publishes the "LL" Larry's List is this area to any one wanting the "LL" to come to their email box. Give it a try. I have been receiving it a long time. Directions follow.......To subscribe access: <http://list.k0jpr.net/mailman/listinfo/larryslist> and follow the instructions for subscribing to Larry's List. The must be using the same email address they are subscribing -- they must match -- safety precaution.

K0JPR is Tom Eagle - I go through his server so I am not limited to the number of email addresses. RoadRunner limits me to 99 addresses per message, which means that I have to send out a message 5 times to cover all 462 currently on the list. I will do what I can to make your job easier, Old Buddy!

Larry

◆ I found this an interesting article and thought others may wish to read it. Embracing new technology myself, I have set up my own iGoogle home page. You may wish to check it out. There are thousands of items of interest from news, games, cooking, technology and much more. This is the lead story on my "home page" under "amateur ham radio Google News" for Feb 9.

Ham radio club celebrates amateur radio – and you just might need it one day
http://www.thenewstribune.com/492/story/277821.html
Kent Stutzman
KB0RWI kb0rwi@newtonarc.net

New ARRL Volunteer Examiner Manual Now Online (Feb 15, 2008)
-- The Ninth Edition of the ARRL VEC/VE Manual is now online on the ARRL Web site. The Manual, the most complete source on the Amateur Radio Volunteer Examiner Program, has everything you need to know in order to be an ARRL Volunteer Examiner.

Field Day 2008 Rules and Forms Now Available (Feb 8, 2008 [REVISED Feb 10, 2008 15:00 ET]) -- It's that time of year again -- time to start gearing up for Field Day, ARRL's flagship operating event. Field Day, held the fourth full
weekend in June, brings together new and experienced hams for 24 hours of operating fun. ARRL Field Day Manager Dan Henderson, N1ND, says there are several rules changes this year, mainly concerning "Get on the Air" (GOTA) stations and the elimination of the Demonstration Mode Bonus Category. The complete Field Day Packet can be downloaded from the ARRL Web site. A full 2008 Field Day page on the ARRL Web site will be coming in the next few weeks.

♦ good evening orlan,

i have moved back to maine to be with my family and girlfriend. please keep me on the kar list so i can see whats going on out there in kansas.

Kevin E Badger, N0UKM
"The Greatest Thing To Fear Is Fear It Self"

♦ Orlan, Thank you for the info. Will try to keep all in loop. Should have portable tower trailer up this spring, we have dipoles on plastic reels and now have icom 7000. icom 7000 will be installed in our com van with screw driver ant. from ameratron . New Emerg. Mang. Dir. Is now ham K0DMS and is working with us. Ken Kopp KKØHF is working on same. Looking for federal funding for hospitals. ARES is working!!!!

Steve WA0VRS Alpha 1 ARES Kansas

Thank You it all works

♦ NWS spotter training web site for the most current information on weather spotting training sessions: <http://www.crh.noaa.gov/eax/?n=outreach-schedule>

♦ Printable Ks ARES map. CLICK>>> http://www.cenkares.org/

♦ Kansas Section News Click >>> http://www.arrl.org/sections/?sect=KS

♦ Keep up with the world of ham radio, CLICK >>>> http://www.arrl.org/

7 3 , O r l a n w 0 o y h U R K A R e d a n d A R R L K s A s t . S e c t i o n M g r . & K A R e d

ARRL KS SECTION MANAGER - Ron KBØDTI

WBØSRX and KCØVBI. You know me of course. Don't You?

----- Original Message ----- 

From: "ARRL KS Section" <memberlist@www.arrl.org>
To: <orlan@everestkc.net>
Hello again-

Our antenna bill has made it thru the Kansas House of Representatives. It now goes over to the Senate side. On Tuesday afternoon it will be assigned to a committee. It will then get a number and be scrutinized.

It's time to contact our state senators and ask them for their support of the Kansas Emergency Communications Protection Act.

Even if you live in a rural part of the state you might need to move into town at some point. What you do in the next few days might make a difference to you down the road. Be sure to ask your relatives and friends to help you help them. The links below will help you find contact info for your senator.

Thanks again for your time, Ron
http://www.kslegislature.org/legsrv-house/searchHouse.do
http://www.ipsr.ku.edu/ksdata/vote/

Kansas PRB-1 Committee: www.hamsforkansas.org

ARRL Kansas Section
Section Manager: Ron D. Cowan, KB0DTI
kb0dti@arrl.org
CLICK >>> http://www.arrl.org/sections/?sect=KS

Ron also makes him self available to the Kansas hams on the Kansas HF nets. You will even find him as the Net Control Station on the Weather Net at 6 PM on 3920 kHz several times a month. He is available to all on the Kansas Sideband Net daily at 5:30 PM on 3920 kHz. You will also find him on QKS the ARRL Ks CW net at 7 & 10 PM daily on 3547 kHz. All of our SMs in the past have made them selves available to Ks hams this way on all three nets. At one time it was the only way to send our monthly reports to the SM. 73, ed
Ron KB0DTI
ARRL KS SECTION MANAGER

QKS - THE ARRL KS CW TFC NET OF THE NTS:
Net operated daily at 7 and 10 pm on 3547 kHz. 7 pm is the out going tfc into the NTS system and incoming at 10 pm. You are welcome to check in with or without tfc. Our manager is James, NB0Z I am the NCS on M, F & S at 10:00 PM

GREAT WEB SITES:
<http://www.angelfire.com/weird2/jerome/pub/kc.txt>
http://uk.youtube.com/watch?v=vBGIdf0VjQ4
http://www.kptv.com/weatheralert/14776224/detail.html
Sixteen ARES Zones reported activity for the month of January, 2008.
Total number of net sessions called 137 with 1091 QNI and 34 messages being passed.
We are short a few zone reports this month due to the resignation of a couple of EC in District 3.
Anyone interested in reporting the activity in that area should contact DEC N0LKK and or myself and we shall work something out. There has to be HF activity out there.
Any one with an idea or so reference the setup of the ARES Zones as it could or would affect the State, please let your ideas be known.
At present we have 6 Districts and 48 Zones. The zones nor Districts are proportioned evenly when it comes to Ham population. Dist 4 and 5 of course have the biggest population to draw from. Big disappointment comes when you compare the actual members registered to the total number of hams available.
Public Service is not drawing the response of our activity the way it used to. Not real sure why, but perhaps some of you out there might have a conclusion or so. I am interested in your responses.
Members of the various radio clubs are asked to pass along more info reference club type activity within your area. There are some real old Web pages out there that need to be reworked. Don't forget that those newsletters are always welcome. How many real active hams are out there???Help us 'BE PREPARED'-------------Communicate

Best 73 Bob Summers K0BXF ARRL SEC KS

Printable Ks ARES map. CLICK>>> http://www.cenkares.org/
73, Bob Summers K0BXF ARRL Ks Section Emergency Coordinator
Bob can be found on the 3920 kHz Kansas nets at 5:30 PM.
It's been a while since I've had a chance to get in touch with you! Things have been pretty busy in Leavenworth with school and ACTs and such. There are a number of radio highlights involving the younger hams from both in Kansas and around the nation to let you know about.

Licensing classes have produced a number of young hams in the past few months. Twenty-one youth received their license through the metro KC classes taught by Brian and Matt. The youngest was 11. Their interest in teaching kids moves the Kansas Legacy Project forward each class.

Local clubs might want to look into appointing a youth outreach representative to draw more young people into the organization. Wichita area hams have proposed a teenage amateur program. They hope to use this program as a way to reach out to students in area schools. If you would like to help, David Stanislaw, N0JWY, is heading the effort. Duncan, KU0DM, now serves as the youth outreach coordinator for Johnson County ARES and has been assisting with the MECC, too.

High school students can and will learn about amateur radio if given the chance. A Texas high school class produced 27 new Technicians. The students were given the option of taking the Tech test instead of their semester final exam. (That would be an easy choice for me.) On January 15, 2008, the students, who attend Northwest High School located near Fort Worth, earned their Technician class amateur radio license. It would be great if some Kansas schools followed their example and put ham radio in the classroom.

There were no January Kid's Day reports received from around the section last month. Did anyone get to participate? The ARRL site had a nice article about a club in New Jersey that used club members' equipment to put about 40 youngsters on the air. They have also started a 2 meter Kid's Net, with Nick, KC2ONP as NCS. What a neat idea! The next Kid's Day is in June.

Dayton is fast approaching! Be sure to leave some room for your kids and grandkids amongst all of your new finds. Andrea is making plans to have our youth lounge in the ARRL area again, and we will provide many things to keep younger visitors occupied with activities to learn about radio. Stop by and say hi to us! We love chatting -- hi hi.

kc0ptl@arrl.net
Conditions were not the best. I hope no one was missed. I want to thank all those that do check into the RACES net.

The Kansas RACES Net meets every month on the first Thursday at 7:00 pm 3940 KHz

All stations are welcome.

Stations heard March 6th Net

Call County
WØPBV Riley
KBØDTI Linn
KBØGWK Sedgwick
N6ØZOP Sedgwick
NUØB Montgomery
KØBXF Wyandotte
KCØFNG Lyon
WØSF Miami
WDØDMV Shawnee NC

8 Counties 9 QNI Ø QTC

73 Joseph WDØDMV
State RACES Officer Proud to be a Ham
wd0dmv@arrl.net

The RACES Net meets the first Thursday of each month at 7:00 pm on 3940 kHz

Joseph can be found on 3920 kHz at 6:30 PM and following as the Net Control Station on Wed evenings.

[S. A. T. E. R. N.]
June Jeffers KB0WEQ
KS ARRL DEC - Liaison to The Salvation Army
KS & Western MO Division S.A.T.E.R.N. Coordinator

RAPID RESPONSE TEAMS and ARES MUTUAL AID

Our Kansas and Western Missouri [MO-KAN] Division SATERN group is still organizing rapid response teams, called "SATERN Activation Team [SAT]" for SATERN operations. These teams of 2 pre-assigned operators will provide immediate communications in a disaster area within the first 24 hours. All information received from these teams will be shared with any agency or group. Our vision is to have 3 teams within each of the six ARES Districts, but a minimum of at least one team is needed. We now have several established teams but we still need more teams in all districts...so if you are interested, please contact me. We especially need some teams in western Kansas districts!!

The ARRL Memorandum of Understanding with The Salvation Army allows ARES members to support our operation. Since we have a "specialized operation", mutual aid from ARES members can be simple. We encourage ARES members who want to support SATERN operations to join our special yahoo group setup for this specific purpose -- http://groups.yahoo.com/group/SATERN-KS-EmergencySupport

Creating this group was our first step in our focus on ARES mutual aid. My plan is to provide those who have joined this group with "whatever" they feel is necessary to feel confident in providing aid to SATERN. Join now so we can use your experience and expertise in the planning and development of our ARES Mutual Aid Program. Information you should know about SATERN operations is already posted.

You can send a request directly to me stating "JOIN EMERGENCY SUPPORT YAHOO", be sure you include your FULL NAME and your CALLSIGN. Once I have your information, I will invite you to join this new Yahoo group. You may also "Join This Group" directly from this site by providing the information requested.

During our 20 day operation at Greensburg, KS last year, 50% of our operators were through ARES mutual aid. This worked very well, however, it was complicated for some ARES members who came on site without prior knowledge of what we do. Just like any other agency which ARES supports, knowledge of what each agency expects from you, can be extremely valuable in your ability to provide what is needed. This is what we are trying to provide to Kansas ARES members through this yahoo group. This helps both you and SATERN by having access to important protocols and disaster guidelines ahead of time giving you the
knowledge of what can be expected.
The SATERN emergency operation consists of the same "pre-determined positions" for assignment. At this Yahoo group you can review the different positions and determine which positions you can best support. We have described briefly what support each position provides, along with what training and equipment can "best" support each position. Even though these guidelines have been developed to reflect what we feel can "best" support the position...everyone can provide support at some level! You can find more information about SATERN in our division at our website listed below my signature.

We will be holding a special meeting at the ARARAT HAMFEST in Kansas City, MO on April 19th, at Noon. We will be discussing the SAT Teams, ARES Mutual Aid and APRS support. Everyone is welcome, so please plan to attend. You will also get the opportunity again this year to see our EmComm Trailer and our Generator Trailer which will be on display. If you have already seen our trailers, just stop by for a visit at the trailer display and mention you read this column each month and get a special gift!

If you really want to serve during a disaster -- SATERN is where you need to be!

If you have portable APRS equipment -- we need YOU!

KBØWEQ represented S.A.T.E.R.N at Mine Creek hamfest

June Jeffers KBØWEQ
KS ARRL DEC - Liaison to The Salvation Army
KS & Western MO Division S.A.T.E.R.N. Coordinator TU June, Fine job UR doing with SATERN.!!!
Gardner, KS 66030 [Johnson County]
Home: 913-856-8674
Email reply: KSSATERN@kc.rr.com
WEBSITE: http://home.kc.rr.com/saternkansas

SILENT KEYS:

Dear List Members:

Several days ago Dale Russell, KBØWIZ, notified of the passing of Gary Scott Shue, KBØYRC, Fredonia, KS. Dale mailed me an obituary clipping from one of the local newspapers. Subsequently I scanned it and emailed it to Amy Hurtado, WB1NXO, the administrator of the Silent Key page in QST. In order to prevent the chance of a false report, the League requires a newspaper obituary, or an emailing of the obituary from an newspaper's web site. The two newspapers which published Gary's obituary do not have web sites or an electronic means of transmitting any of their articles.

Why am I telling you this: If you want me to publish the passing of a ham, which I am happy to do, please do what you can to send me an electronic copy of the obituary or funeral notice, so I can notify Amy at ARRL. If you are unable to do this, then please mail me the newspaper clipping along with the identification and date of the newspaper, so I can scan and send to ARRL.
I apologize for not getting this out quickly enough ahead of the memorial service for "scott" which is this morning.
Larry

**FROM AROUND THE STATE:**
KAØEIC's Great Grandson Nathan snagging DX. Future Ham of the Year?

♦ Attention List Members: <snipped> from "LL" Larry's List
If you would like to know more about Kansas City Skywarn, just follow Bryon's suggestion:

Bryon Jeffers KØBSJ wrote: Check out [http://www.kcskywarn.org/](http://www.kcskywarn.org/)
Some new updates.... Still some to come.....
Bryon KØBSJ

**KANSAS STATE ARRL CONVENTION:**
AUGUST 17 2008
Central Kansas ARC >>> [http://www.centralksarc.com](http://www.centralksarc.com)

**Ensor Museum**
If you can visit the Ensor Park and Museum, just 5 minutes South of central Olathe but haven't, do it now and see a most interesting and original flashback to the mid-1900's. Our motto "SEE IT TO BELIEVE IT" is true. A site map, Ensor GPS coordinates, and much more can be seen on the website at [www.w9bsp-w9ua.org](http://www.w9bsp-w9ua.org)
Larry Woodworth WØHXS
Ensor Park and Museum Manager
Past Pres. - MEMO
<snipped> from the Jo Co RAC Feedback.

**HA - HA - HA - HA - HA**
When the graveside service had no more than terminated, there was a tremendous burst of thunder accompanied by a distant lightning bolt and more rumbling thunder.

The little old man looked at the pastor and calmly said, "Well, she's there."
Jim WØEB

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It came from an estate sale - If you have any problem take it up with the original owner.
I had it on the air just last night - And you thought the woodpecker was gone?.
It worked last time I used it - If it still worked, I'd still be using it.
The only lightning damaged was a fuse - The only lightning damage I recognized was a fuse.
I have the [ ] somewhere, I'll send it to you, trust me - You'll never see the [ ]
I'll help you carry it to the car - I'll do anything to unload this boat anchor.
It works O.K. on 80 meters - It had some parasitics, but I got in and really screwed it up and now I want to unload it.
The tubes used by this rig are worth the asking price - The rig uses a rare 7360 beam deflection tube for a balanced modulator, but it's blown and you'll spend at least $80+ to get a new one.

This is the rig of my dreams I really wanted one of these as a kid, but now I've got to let it go - As I've gotten older, I've learned what a hunka junk it is.

The signal quality of this rig was easily recognizable in its day - The high distortion and bad audio quickly identified this rig.

This rig will bring back the feelings and atmosphere of vintage ham gear – The bypass capacitors to the AC line put enough voltage on the chassis to give you a shock in the lips through the microphone, and it smokes so bad when you turn it on that you'll probably startcoughing and wheezing.

I'd keep this baby, but my wife is making me clean everything out of the shack – I finally got around to giving this thing the proverbial heave-ho.

There are a couple of other people interested in it - Someone sat on it to tie his shoelaces while walking past the table.

You'd better buy it now, because I'm leaving soon - The previous buyer and his brother, Guido, are heading back toward the table and they aren't smiling!

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Maybe you never noticed, but the Roman Numerals for forty (40) are " XL."!

LETTERS TO THE EDITOR:

http://www.youtube.com/watch?v=5V9Qkd3dElw

HI Orlan:

I had forgot about this one. A friend emailed it to me. A married couple from Denmark who are active hams made this singing video (they sing in their spare time and have made some CD's). I get a kick out of the video, am amazed at the antenna array too. I hope you enjoy it.

Doyle


All Grounded Grids since the Grid went to electronic distribution are available from http://warc1.org/grid/
david.hagood

◆ I have already sent an email a week ago to my state rep Kasha Kelly asking for her support on this bill. Also requested she let me know her vote on this issue. So we shall see.

Thanks for the good work.

73, Bill WS4Y

◆ This little 66-page jewel appeared out of nowhere. I have no idea if it's been passed, nor
have I read the entire thing. It's supposed to be aimed at cell towers, but who knows what's buried in it.

Bill, WB0NSQ
http://www.wycokck.org/WorkArea/showcontent.aspx?id=12802

♦ Orlan,
I did send a letter to the Legislatures and received a letter back today from Sue Storm, Johnson County. She said they would get it out of committee on the 27th. She was not aware of the importance of ham radio until she received numerous letters and commented she would vote to pass the bill (HB2805).

John
♦ Its a dedicated ham radio version of YouTube. As of this moment, it has four videos on it.
-- ITF

First there was CQoogle.com now CQtube.com !

www.CQtube.com is online and ready to take you videos, audio files and photos.

As always it is completley free to use and is still very much in development. Any suggestions for improvements our bug notification are appriciated.

Currently, you may load files up to 100meg in size. Bandwidth and speed reports are most important to us whilt we assess usage of both bandwidth and CPU.

Thanks and enjoy the site. www.CQtube.com

Bill Pasternak, WA6ITF <snipped> from Lary's List

♦

Orlan,
I recieved one with the subject "PRB-1 KAR Special" on the 13th of Feb. that was pasted along to the hams in the area.

Mike

♦ Better than google if you are looking for ham info only.

73

Don - KA0EIC
Click here: CQoogle.com - The Ham Radio Search Engine

♦ Orlan,
Thanks for keeping us informed, we wish everyone well in this process!

73,
Chuck, KØBOG

♦

http://online.wsj.com/public/article/SB119161604206850468.html
The following was sent through the QRZ email list due to its subject matter and concern for amateurs. For up to date information, and list of contacts, visit http://www.hamsforkansas.org/
73
Doug - KC5VKG

Tom's Key-Strokes - WØEAJ Denver, Co.
Displaced Ks neighbor

One of the guys I've Elmered some, informed me this morning, that as he was putting the finishing touches on the "erection" of his vertical antenna (which of course, works great NOW), he climbed up ONE MORE TIME up onto a ladder, and crashed to the Earth, finding himself with a broken ankle...
I sent him this....

To: Matt Pierson

My friend... you are becoming dangerously close to qualifying for membership in our ham-radio organization [sic]... "The Dummy Load Society". Acts of stupifying idiocy do meet eligibility requirements... like getting a little drunk and falling into window wells... and not spilling the champagne, or getting any of the self-tapping screws that point INTO the well metal into your head... or damaging the puro cigar you were smoking.
Or...
Carefully repacking all your camping gear VERY NEATLY, and getting everything to fit BACK inside those cute fold-top camping boxes, forming a perfectly flat surface behind your pickup truck cab... then remembering that your %#$@$!! KEYS are in the little "stuff pocket", inside the tent, which is of course....
Or...
Becoming irritated at a raccoon that's getting into the Field Day trash (that you left out, thinking no bears would be around the mountains "this early"), shooting at the raccoon with a .22 pistol, and getting the cooking pot (in addition to the raccoon) - thereby preventing the round from going further, into the tire of the pickup that was parked behind the pot... and
therefore, the raccoon.

Or...

Re-Erecting your buddy's 85' tower, with two beams on top... struggling to keep the guy wires away from the joints as you crank it up, then marveling at your wonderful job... only to discover that one of the coax cables is NOT attached to the beam. stuff like that..

TC

Upcoming HamFest

Longmont Amateur Radio Club
04/05/2008
Boulder County Fairgrounds in Longmont 8AM - 1PM
Admission: $5.00
Talkin: 147.27(+)
Contact: Longmont Amateur Radio Club, P.O. Box 86, Longmont, CO
80502-0086 For more information Go to LARC Home Page

So... you want to put up a test-bench, eh? Tired of fixing stuff on the kitchen table, with the usual lost hardware, 'borrowed tools", and She-Who-Must-Be-Obeyed saying... "when are you going to take that junk off of my table - dinner's almost ready?!!" You my friends, are ready for the big leap... YOU need a test-bench for RADIOS (play trumpets here). The following are some ideas, collected over the years by your humble narrator, as technician, engineer, service manager, and board control slug, that just might save you some grief, and hopefully instill within your desires... the wish to create your OWN kingdom of Fantastic Fixes. No need to make it look like the research lab at Tektronix or Hewlett-Packard... just the right stuff to make life easier for you, when you want to design or make something... or just take that old boat-anchor, and make it "play" again. ahhhh, sniff the solder-flux... feel the blisters on your fingers from the soldering iron, peer hopelessly onto the floor, in a vain attempt to find that screw that holds the knob onto the main-tuning shaft... and laugh out loud, when the speaker finally produces the sound that it should... so like Dennis Weaver said on "McCloud"... well, here ya' go.

Audio Generator: No specific recommendations - Heathkits are just fine, as you're not dealing with EXACT frequencies most of the time, anyway. The lab-quality Heath (with a meter) is what I have, and I got it for $25.00. Of course, the HP-200CD is very cool looking and puts out a heck of a lot of juice, but it's overkill at it's finest.

RF Generator: I loved my Marconi 2022C.... until it ate it'self. Keyboard entry is oh, way cool, but not required in most cases - ideal was what I just sold (darncit)... HP-606A. Calibrated output is a MUST - adjustable modulation the same. Most analog generators do NOT supply true FM, though. They supply AØ and A3, but no F3. Consider one of the 'relatively' inexpensive "service monitors"... all in one package... even though they're proud of 'em.

METER: A good DVM... AND a good VTVM (with a needle). Aligning a receiver or anything else with a digital meter is a royal pain in the rear... and very time-consuming. There is NOTHING like a good old BATTERY POWERED VTVM or FET VTVM or ISOLATED design. Why battery power or isolation? Avoids ground-loops between the ground lead and the chassis of the receiver... (Heathkits are famous for grounded chassis on the meters, and that's been
pretty THEATRICAL a time or two).

**SCOPE:** Seldom used on the bench for older gear. A nice toy, and useful for tracking down problems on newer stuff... or in use with a sweep-generator, but as a rule, I seldom turn it on. Get at least a 60 mHz dual-trace (I just sold one, of course), Used Tektronix ones are always a good buy. (make sure to get the probes with it - good probes are pricey)

**VARIAC:** An absolute MUST. Preferably with a 1:1 isolation xfmr. Make sure to equip the output with ACA and ACV meters... that way, you can monitor current-draw and see if it's drawing more amps than it should at low input voltages - prevents burning up radios. The isolation xfmr. is worth it - especially for older receivers with "hot" chassis. Don't make an ash out of yourself... or your radio.

**DC POWER SUPPLY:** I use an ASTRON VS-35M... it came as an RS-35, but I have the mod instructions for making all of 'em into a variable-voltage model (they all use the same regulator board), and installing meters in it was a real boon - I also installed "standard lab spacing" binding posts/banana jacks IN FRONT, as hooking stuff up to the nut n' bolt terminals on the back of it, is a royal pain in the tuchas. Buy GOOD meters - cheap ones have excessive tolerances.

Also handy...

**MFJ-249, 259B, or 269...** very useful

**Bird 43** wattmeter w/appropriate slugs & a small 50w or 100w DRY dummy load

**Frequency Counter** - almost anything that can be calibrated correctly will work

**Accurate Receiver** - very useful for listening to your signals.. and yourself

**Test Leads** - banana w/alligator clips; clip to clip; make out of test-prod wire and other stuff - use VERY FLEXIBLE wire. Also make a "death cord"... 117vac line cord with alligator clips - very handy. You also need a few made of RG-58/AU (flexible) with a BNC connector on one end, and tiny clips on the other. PL-259 stuff is worthless and a pain to deal with - use ONLY BNC-ended cables (make several), and use adaptors - quicker to connect and disconnect.

Selection of **Alignment Tools** - try to find some of the ceramic "screwdriver" type - hard to dig up, but absolutely wonderful for not affecting the parts you're trying to align. Plastic or fiberglass screwdriver(s) are handy for bigger torque applications.

Selection of **COAX ADAPTORS:** You can never have enough.

**GOOD LIGHTING** - preferably NOT only fluorescent, but inclusive of real light bulbs, too. I also have a pair of articulating work-lamps on either side of the bench - great for those of us with grey hair who need MORE light to see tiny parts. DO NOT USE THOSE BLASTED fluorescent TWISTY-BULBS.. they are a HUGE source of RF interference - I hate the damned things - whatever idiot mandated that they be used after whatever year, should be shot... buy up lots of the ordinary kind NOW.

"Most frequently used tools - holder" A piece of 4x4 with holes drilled in - common screwdrivers, scribes, torx screwdrivers, etc. Mine came from my Dad, who picked it up at a Junior High he worked at, after their wood-shop projects were being thrown out - I think they were meant to be pencils-for-sale holders in the classrooms.

**FIRE EXTINGUISHER:** A nice 5 lb "ABC" bottle is best. Get one with a METAL head, as the plastic ones deteriorate and are difficult to service. Halon types are very good, but extremely pricey. (I know, I'm in the fire business). Put it somewhere HANDY with EASY ACCESS. Also... ensure the bench is LOW enough to deal with, and covering it with non-conductive indoor-outdoor carpet, or similar, makes life nicer. I got some gym-floor stuff that is solid-acid resistant rubber, and glued it onto the bench top - super, and it doesn't scratch the radios. DO
NOT install any metallic trim or grounding strap around the bench - you could make an ash out of yourself. Place your ground-strap ABOVE the bench about 10-12 inches, and over toward the side. A shelf, set back from the front, holds equipment or accessories - make sure it's strong but NOT in the way. 1/2" EMT (electrical metallic tubing) makes swell holders for tape, wire spools, and the like. Home Depot, Lowes, and other places sell shelf-brackets that have a loop on the front (under the shelf level about an inch), which the tubing fits right into. The brackets are strong and nice looking.

Figure out BEFORE you build it up, if you want to sit on a stool, OR on an office-chair type of seating. Stools work great, but... when you drop that screwdriver, bending over to pick it up, while trying NOT to leave the stool is bothersome, and dangerous... you could become airborne (for a short distance).

Save all those cool metal boxes from International Coffee, and deli-items. They're really terrific for putting in all the screws, hardware, and knobs from a given project. Much, much easier than trying to find 'em BEHIND THE BENCH later on.

Enjoy your fixing, repairs, and restorations - for the old hands, this is just the same old stuff we all know, but for the "newbies", I've tried to share 47 years of experience in what NOT to do, and what makes life easier at the bench. I don't know about you, but when I'm in my "cave", I'm happy, relaxed, and the wife never wonders where I am. That's where the sound of static... is well... nice.

Tom - WØEAJ

I wrote down a few more, in response to a ditty sent 'round that was "you grew up in a small town if...

You've peed on trees... and bet your friend (or cousin) that you could pee HIGHER than him.

You tricked your cousin, friend, or the kid from the city, into peeing onto an electric fence.

You KNEW where eggs came from

You didn't know that a swimming pool had concrete sides - you just assumed that all of 'em had dirt.

Everybody went swimming in the pond or creek, and wore no clothes, and you didn't think a thing about it at all.

Your first playground was the scrap-iron pile

You thought that EVERYBODY had 10 cats

Your "restroom" had holes... with wooden lids (my cousins' had spools for handles)

Your uncle had a "wolf whistle" on his truck

NO One ever tore out the guns, fishing, or tool sections from the Wards or Sears catalog...

and NOBODY ever seemed to tear out the bra & panty parts, either.

(the index was the first to go - it was thin)

I wonder if, years from now... our old farm will be called "the old Smatla place"... I hope so.

Tom

TU Tom, I appreciate UR key strokes. Orlan

~~ Kansas Amateur Radio - "KAR" Serving our communities via Amateur Radio ~~
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<thead>
<tr>
<th>NET NAME</th>
<th>MGR.</th>
<th>DAY</th>
<th>TIME.</th>
<th>Freq.</th>
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<td>Dy.</td>
<td>6:30 PM*</td>
<td>3920 kHz</td>
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<td>6:45 AM</td>
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* 5:30 until propagation improves. # immediately after the Sideband net