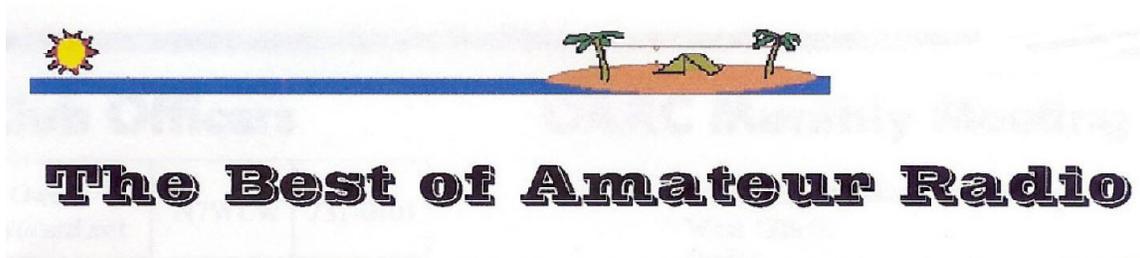




WATTS NEWS



Welcome to the OARC e-Magazine

www.OgdenArc.org

MARCH 2012

Next Club Meeting/Activity

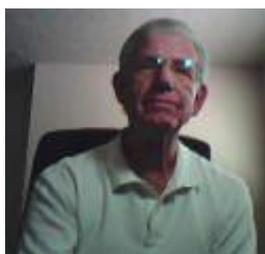
3rd Saturday 17 March 2012

Topic: Scott Vest – American Red Cross

Emergency Mobile Communications Center



Kim Owen KOTU
President



Larry Griffin AD7GL
Vice President



Gary Hudman KB7FMS
Secretary



John Shupe K7DJO
Treasurer



Gil Leonard KF7KPL
Program Director



Dave Woodcock KF7PAV
Activity Director



Val Campbell K7HCP
Webmaster/NL Editor

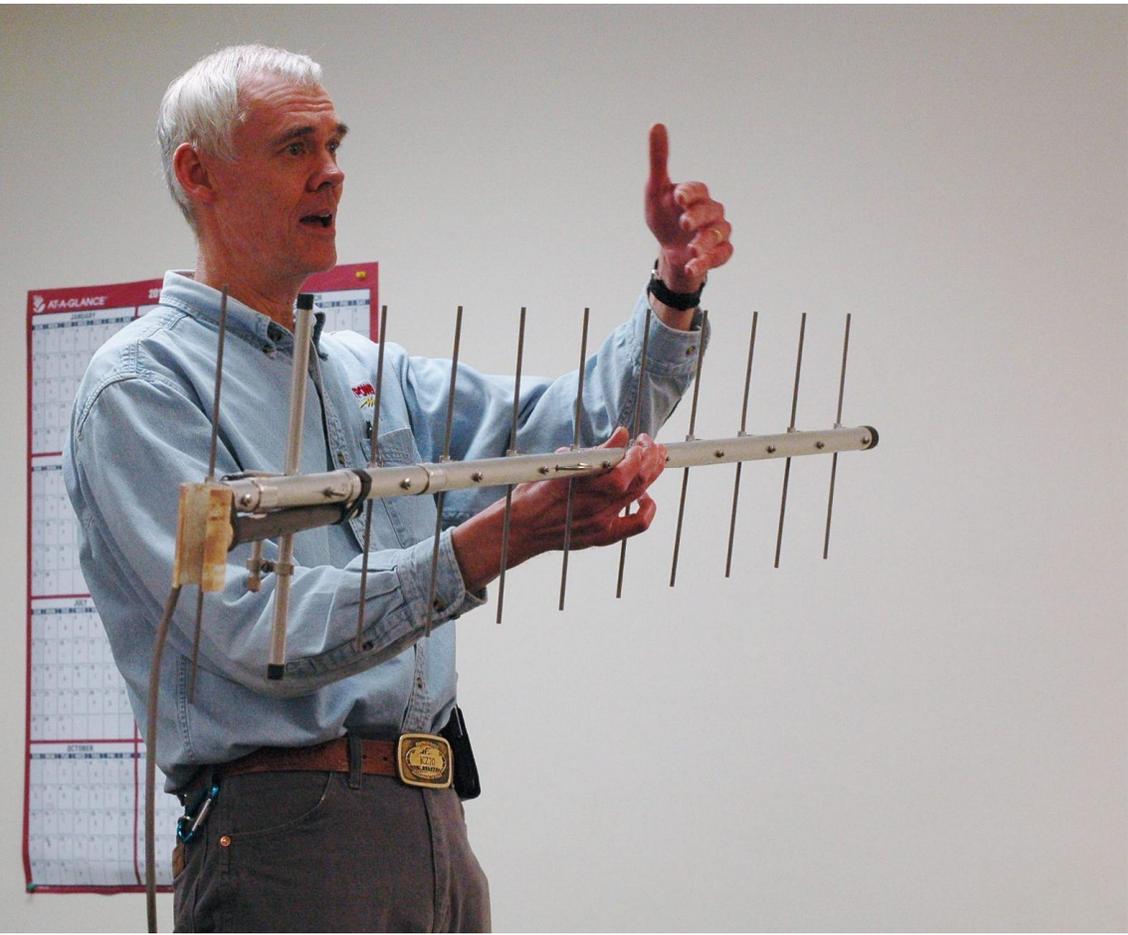
PREVIOUS CLUB MEETINGS

3rd Saturday 18 February 2012

Mike Fullmer KZ7O - EZNEC Antenna Modeling Software

Mike KZ7O talked to us about computer antenna modeling in general. Then using a laptop he showed us the EZNEC program and what it can do. He demonstrated how to create an antenna using the computer modeling program. He promised not get too mathematical and he kept his word. But to really use the full power of the program it takes a little math background. He has all of his antennas at home modeled, both the wire and tower antennas, VHF/UHF and HF. It was a very interesting topic and we all enjoyed his presentation. Thank you Mike.





NEXT CLUB MEETING

When: 3rd Saturday 17 March 2012

Time: 9:00 AM

Location: Riverdale Fire Station

Topic: Scott Vest – American Red Cross

Red Cross Emergency Mobile Communications Center

Scott is certified by the Red Cross as an operator for one of several Red Cross Emergency Communications vehicles. He initially told me about some of the equipment on board and the capabilities it houses. Very impressive and interesting. I believe he is very knowledgeable and his presentation will be very interesting.

JOIN OARC

Renew your membership now!

Membership in the Ogden Amateur Radio Club is open to anyone interested in Amateur Radio. You do not need an amateur license to join us. You do not need to join the club to participate with us. Dues are used to operate the club, field day activities, and repeater equipment maintenance.

Joining is easy. Come to a club meeting or [fill out an application form from the club website](#). Instructions for mailing it are on the form.

DUES: Dues are \$15.00 per person and runs September - August.
Additional family members are \$8.00 each.

NOTE: New Hams >>> Membership in OARC is complimentary for remainder of 1st year licensed.

FROM KIM'S SHACK



Kim Owen K07U - President

CQ ALL Members and Friends of OARC

As I was contemplating a topic for our newsletter this month, (perhaps more commonly called writer blocks . it maybe a stretch to consider myself a writer), I reflected on some of our radio experiences. I have enjoyed my radio experiences.

Remember your first license test, waiting to see if you passed?

My Novice test session probably had 90 people in it. It was in a large class room at Weber State. The class room was full. I also remember taking my code test that day. I had prepared for the test using the Gordon West tapes. I had them memorized. When I started taking the code test my thought was %bat isn't 5 WPM+. After moments of panic, I settled down and found myself in the %zone+for the one minute perfect copy. Later I understood what the Farnsworth method was all about and the difference between word rate and character rate.

At my test session, I remember a guy who had an Icom bag with his new radio it. He was walking around waiting for his test result and his CSCE. For me, I would have to wait before I carried my radio around in an Icom bag, except it wouldn't be an Icom bag, but the bag had my radio in it. It was an Icom IC-T7H. I still have it. I don't use it much anymore but it is there as my backup. I bought it when I was travelling on business in California. One morning on the way to a qualification test site, I drove by the HRO in Anaheim. I think I drove past it by accident because it took me a couple of days to find it again. When I went in, I saw all the %ood stuff+. I felt like a little kid at Disney Land and I wanted to take everything home. I looked into my wallet and all I saw was my per-diem money. So I did the right thing, I stayed in a Motel 6 and ate at McDonald's for the rest of the week.

Last weekend was the ARRL DX contest. That too will be a memorable experience. Saturday morning I planned on spending a couple of hours on the radio, of course there is always the risk of spending the whole day on the radio too, but that wouldn't be bad. This Saturday was different because I had Puppy-Dog in my radio room with me.



Here she is on my lap and standing at attention. Isn't she cute! These pictures were taken a couple of years ago. Now she is a 70 pound Pit Bull and not a puppy anymore. Her name is Rya. Her coat is bristly but her head is like velvet.

I made only two contacts Saturday. She was sitting on my lap during my time on the air. Her head was sitting on the table. Both of us were fidgeting to get comfortable. Logging contacts was difficult because I could only use one hand. It will be another memory that I will fondly reflect upon over the years to come but I don't think I will repeat it any time soon.

How are your radio memories? If you'd like to share some of them for the newsletter, let one of the board members know.

This month we have another interesting speaker that Gil/KF7KPL has arranged. Scott Vest from the Red Cross will be talking about their Emergency Communications Vehicle. The should be interesting especial if you have a radio in your vehicle.

See you there!

For now,
73 de Kim/KO7U

Club Badges

OARC Club badges are still available for all club members and non-members. The cost is \$8.00 each. You can order the badge with either a "PIN" clip or a "MAGNETIC" clip. Badge includes your Call Sign in large letters and your First Name in a somewhat smaller font in white lettering on a pitch black background. See example below.



Place your order along with \$8.00 in advance for each badge ordered and specify Pin or Magnet style fastener, Call Sign and First Name.

Contact any club officer via email or see them at the next club meeting. See web site www.ogdenarc.org "Club Officers" page.

Club Swapmeet

"SALE" or "WANTED" ITEMS NEEDED

OARC's *O-bay (On-Line Swap-Meet) items needed* for the web site...

Visit <http://www.ogdenarc.org/> then click on **Obay-Swap**.

CLUB NEWS

Utah Hamfest July 2012 (bryce Canyon - Ruby Inn)

www.UtahHamfest.org

NOTICE:

It will soon be time to celebrate the driving of the Golden Spike. OARC participates in this event by operating a special event station with the call sign of W7G. The following notice will appear in the QST magazine the month preceding the event. Stay tuned for more details as they become available.

05/10/2012 | 143rd Golden Spike Commemoration Celebration

May 10-May 12, 1500Z-2100Z, W7G, Ogden, UT. Ogden Amateur Radio Club. 28.355 21.285 14.255. QSL. OARC - W7G , PO Box 3353, Ogden, UT 84409. From the Golden Spike National Historic Site. Celebrating the 143rd anniversary of the Golden Spike ceremony that joined the rails connecting the Union and Central Pacific Railroads on May 10, 1869 at Promontory Summit, Utah Territory. www.ogdenarc.org



FCC News: ARRL QST

FCC Reduces Forfeiture for Florida Man Accused of Using Unauthorized Equipment

03/06/2012

In November 2011, the FCC [issued](#) a *Notice of Apparent Liability for Forfeiture (NAL)* in the amount of \$10,000 to Michael Perry of Cross City, Florida. In a [Forfeiture Order](#) released on March 6, the FCC reduced the forfeiture that Perry must pay to \$450. Perry was accused of operating a radio transmitter without the requisite FCC authorization and his failure to operate a Citizens Band station, "willfully violat[ing]" Section 301 of the Communications Act of 1934, as amended and Sections [95.409](#) (by operating an unlicensed and non-certificated CB transmitter) and [95.411](#) (by operating an unlicensed radio transmitter with two amplifiers) of the FCC's rules.

On November 1, 2011, the Enforcement Bureau's Tampa Office issued the *NAL* to Perry "for operation of a radio transmitter without the requisite authorization," the *Forfeiture Order* stated. "Agents from the Tampa Office determined that Mr. Perry operated a non-certified CB transmitter and two linear amplifiers on CB channel 28 (on frequency 27.2850 MHz) on March 31, 2011. In view of the record evidence, the *NAL* proposed a \$10,000 forfeiture against Mr Perry for violation of Section 301 of the Act and Sections 95.409 and 95.411 of the Rules. Mr Perry submitted a response to the *NAL*, denying that he operated the non-certified CB transmitter and amplifiers, and requesting cancellation or reduction of the forfeiture based on his inability to pay."

According to the *Forfeiture Order*, the FCC based the reduction in accordance with Section 503(b) of the Communications Act, Section 1.80 of the Rules and the *Forfeiture Policy Statement*: "In examining Mr Perry's response, Section 503(b) of the Communications Act requires that the Commission take into account the nature, circumstances, extent and gravity of the violation and, with respect to the violator, the degree of culpability, any history of prior offenses, ability to pay, and other such matters as justice may require. After full consideration of Mr Perry's response in light of these statutory factors, we affirm our findings in the *NAL* that Mr Perry violated Section 301 of the Communications Act and Sections 95.409 and 95.411 of the Rules, but reduce the \$10,000 forfeiture proposed to \$450, based solely on his documented inability to pay."

Perry has until April 5 to pay the \$450 fine.

GUEST ARTICLE

The Extra Class Question of the Day

by Dan Romanchik, KB6NU

As many of you already know, I have written study guides for the Tech and General Class license exams (www.kb6nu.com/tech-manual). Until now, however, I've shied away from writing an Extra Class study guide. The two main reasons for this is that the material is much more complicated and there's a lot more of it.

This year, however, the NCVEC is updating the Extra Class question pool, and I've decided to bite the bullet and do it. So, I'm now in the process of writing a No-Nonsense Extra Class Study Guide.

After I got started on this, I had a D'oh! moment. It occurred to me that instead of just publishing this material in the study guide, I could also post some of it to my blog (www.kb6nu.com). So, now I have the "Extra Class question of the Day" feature on KB6NU.Com.

In reality, it's usually more than just a single question because many of the questions are on the same topic. That's OK, though, because in reality, I don't post these every day. So, it all works out. Having said all that, here's an example. The correct answer to the question is in bold.

Extra Class question of the day: meteor scatter Amateur radio operators use many different ways to get signals from one spot to another. Perhaps one of the most interesting is meteor scatter propagation.

Meteor scatter propagation is possible because when a meteor strikes the Earth's atmosphere, a cylindrical region of free electrons is formed at **the E layer** of the ionosphere. (E3A08) **28 - 148 MHz** is the frequency range that is well suited for meteor-scatter communications. (E3A09)

Unfortunately, these ionization trails are relatively short-lived, so to communicate via meteor scatter, you need to either be able to detect when these paths are available or be transmitting when the paths are available. **All of these choices are correct** when talking about good techniques for making meteor-scatter contacts (E3A10):

- 15 second timed transmission sequences with stations alternating based on location
- Use of high speed CW or digital modes
- Short transmission with rapidly repeated call signs and signal reports

For more information on meteor scatter, go to:

- G3WZT's Meteor Scatter page (www.qsl.net/g3wzt/g3wzt_ms.html)
- RSGB's Meteor Scatter page (www.rsgb.org/psc/meteor-scatter.php)

For more Extra Class questions of the day, go to www.kb6nu.com.

When he's not trying to figure out how he'll be able to finish writing the No-Nonsense Extra Class License Study Guide, Dan, KB6NU is station manager at WA2HOM (www.wa2hom.org), the ham radio station at the Hands-On Museum in Ann Arbor, MI. If you have a particular question that you'd like him to make a "question of the day," e-mail him at cwgeek@kb6nu.com

FEATURE ARTICLE

An Interesting Antique Radio Discovery

Submitted by Kent Gardner WA7AHY

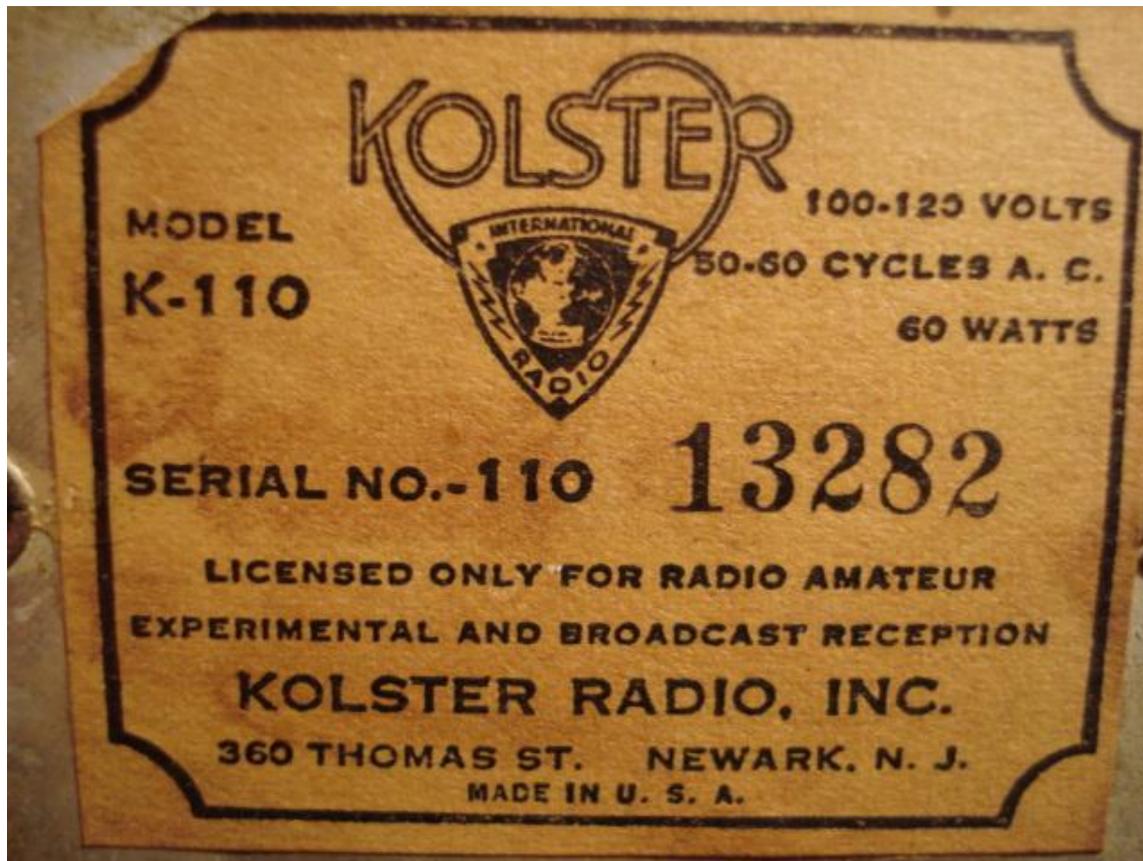
Christmas-time brings families together and reminds us that we need to finish projects for them that they brought us last year to do.

Such was the case with my daughter-in-law who brought an antique radio to me last year. She had been ready to refinish the cabinet and had already replaced the speaker cloth and wanted to see if it would work as a radio.



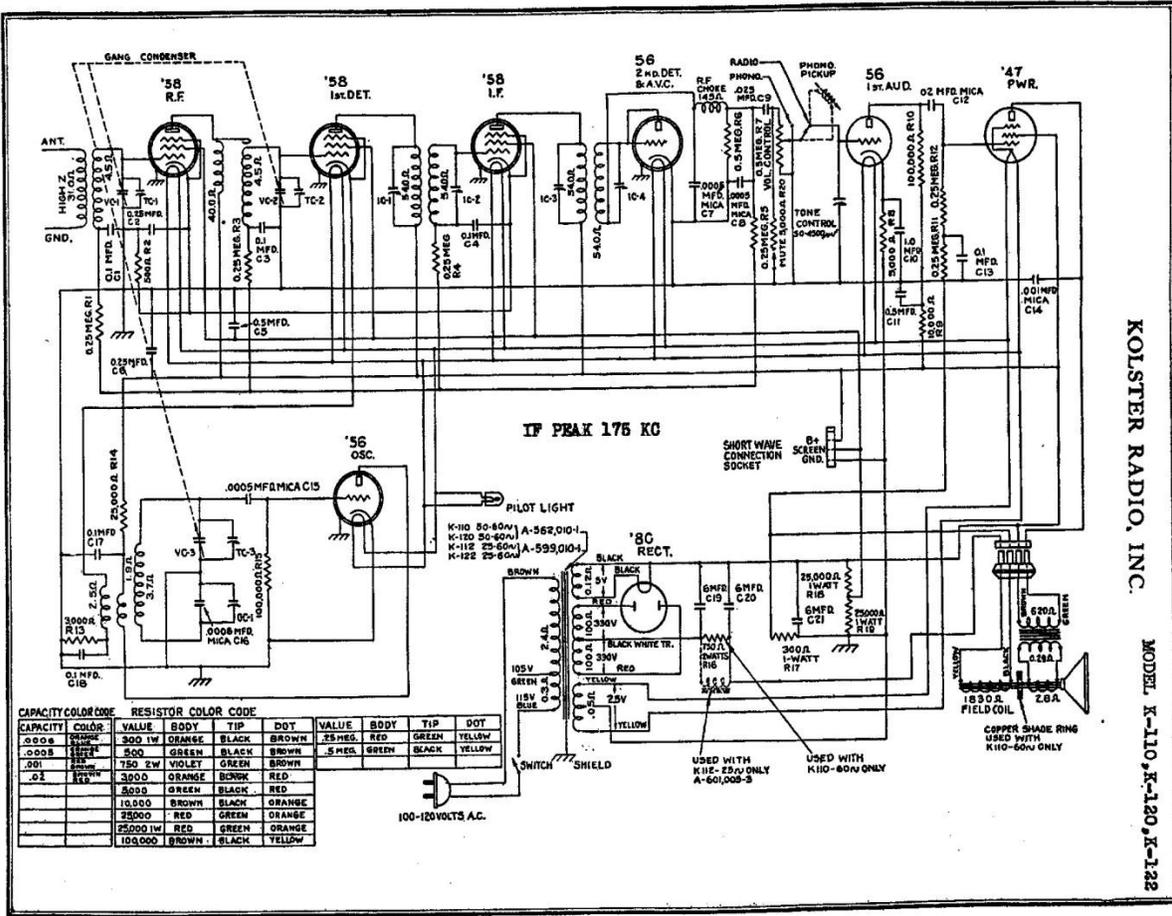
This radio is a Kolster K-110. According to Wikipedia, these units were built by Kolster-Brandes, American owned, but British manufactured. Brandes was a Canadian company making headphones and loudspeakers and was bought out by AT&T in 1922. The company was re-named Kolster-Brandes Ltd after a merger. In 1930, the company supplied 40,000 of its Masterpiece two-valve, bake-like cabinet radios to Godfrey Phillips tobacco company, who gave them away to customers in exchange for cigarette coupons. The company had a long association with Cunard Lines and had a contract supplying radio equipment for the HMS Queen Mary. Note: I was fortunate enough to sail from South Hampton, England on the Queen Mary to New York in November 1956. I also operated from the Queen after she became a floating museum moored in Long Beach, California. K6RO is the call sign of the ham club who runs the station and allows guest operators. I have a nice certificate on the wall of my shack that I treasure very highly.

The thing that I was most amazed by was the identification label on the rear of the chassis.



Notice the reference to Radio Amateur use. The K-110 was a broadcast only receiver, but had a jack on the rear chassis that accepted input from a shortwave converter.

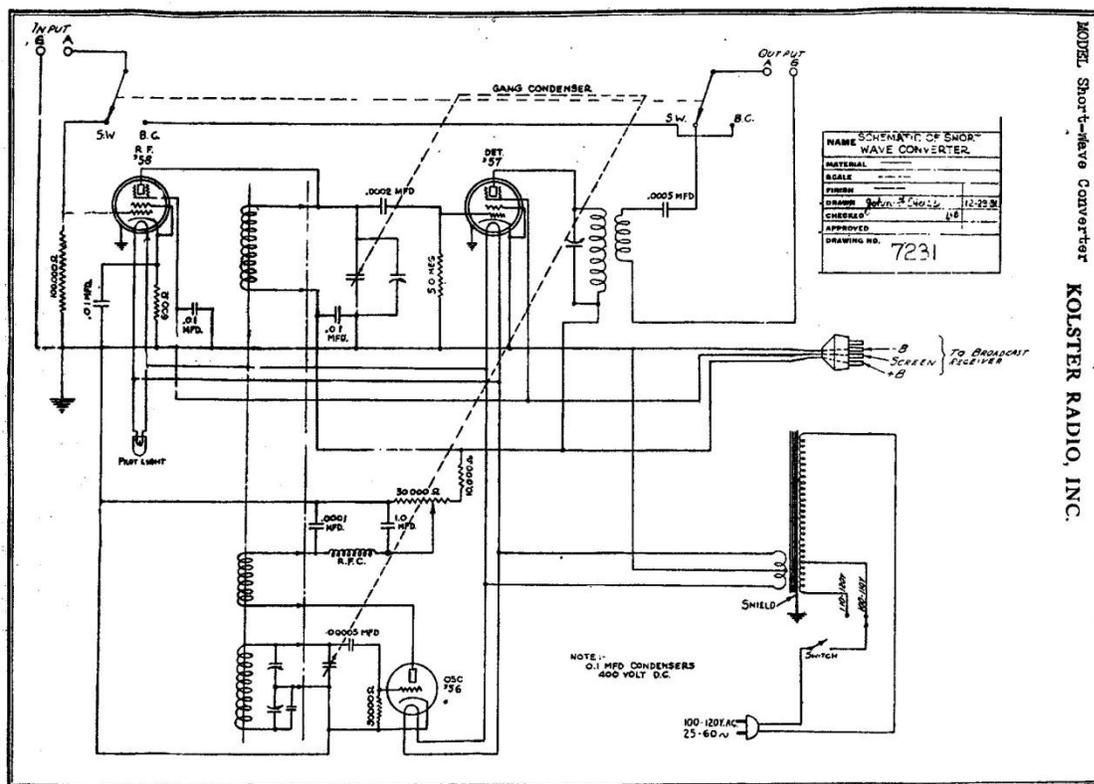
The schematics follow:



KOLSTER RADIO, INC. MODEL K-110, K-120, K-122

KOLSTER PAGE 8-3

This looks like a basic super heterodyne receiver using the then popular 56 and 58 tubes with an 80C rectifier.



This three tube converter made the radio capable of operating on some of the lower frequency amateur bands. The radio was built for amplitude modulated (AM) reception for voice. I do not see a beat frequency oscillator for code reception.

Additional note: In case you are wondering, I replaced the badly decomposed line cord and plugged the unit in. This resulted in immediate smoke of great quantity. When I returned the radio to my daughter-in-law I told her that it was a really nice piece of furniture. I disconnected the line cord so she wouldn't try that again.

TNX Kent Gardner, WA7AHY

ANNOUNCEMENTS

Next Club Meeting:

3rd Saturday 17 March 2012

- The Ogden Amateur Radio Club meetings are usually held on the **3rd Saturday** of each month.

- **Time: 9:00 AM**
- **Location: Riverdale Fire Station**
- **Topic: Scott Vest**
- American Red Cross
- **Talk-in: -146.90 (pl 123.0)**

Check OARC web site for details

www.ogdenarc.org

- Please invite a friend to join you. You do not have to be a member of the club to participate in our club meetings or activities. We invite all to join us.
- If anyone is interested in doing a presentation on something or just have something unique to show at the meetings. - Please get a hold of any of the officers and let us know.

Next Weber Co VE Test Session:

1st Wednesday 06 June 2012

- Exam sessions are held in Ogden every few months, *usually* the first Wednesday in February, June, and October.

Time: 05:00 PM *Walk-ins allowed*

Location: New for June & October 2012

**Ogden Public Safety Building
2186 Lincoln Ave Ogden Utah**

Contact: VE Liaison:

Mary Hazard

w7ue@arrl.net (801-430-0306)

Rick Morrison

morrisonri@msn.com
(801-791-9364)

Cost: \$ 14.00

Two forms of **ID**, one of which must be a **picture ID**.

For "Upgrades" bring current **license** and a **copy** of current license, and any **CSCE's**

Most **calculators** allowed. Calculator memories must be cleared before use.

Club Web Site

Be sure to visit our club web site.

- www.OgdenARC.org

Club membership is open to anyone interested in Amateur Radio. You do not need an amateur license to join us. Dues are used to operate the club, field day activities, and repeater equipment maintenance.

You do not need to join the club to participate with us.

Club Call Sign

Listen to the club repeaters for this very familiar CW ID. You do know Morse Code don't you?

- **W7SU**

ARRL Field Day is held on the last full weekend of June every year.

Location may vary each year so watch this notice for details as time draws near.

See you there.

OARC REPEATERS			
FREQ	CLUB	ZONE	LOCATION
146.820-	OARC	123.0	Mt Ogden
448.600-	OARC	123.0	Mt Ogden
146.900-	OARC "Talk-in"	123.0	Little Mtn (w/auto patch)
448.575-	OARC	100.0	Little Mtn (w/auto patch)

OTHER AREA REPEATERS			
FREQ	CLUB	ZONE	LOCATION
146.620-	UARC	none	Farnsworth Pk
147.120+	UARC	100.0	Farnsworth Pk
449.100-	UARC	146.2	Farnsworth Pk
449.500-	UARC	100.0	Farnsworth Pk
ATV	UARC	Ch-58	Farnsworth Pk
147.040+	DCARC	123.0	Antelope Isl
447.200-	DCARC	127.3	Antelope Isl
449.925-	DCARC	100.0	No Salt Lake
145.290-	GSARC	123.0	Brigham City
145.430-	GSARC	123.0	Brigham City
147.220+	GSARC	123.0	Brigham City
448.300-	GSARC	123.0	Brigham City
146.640-	BARC	none	Logan
146.720-	BARC	103.5	Mt Logan
147.260+	BARC	103.5	Promontory Pt
449.625-	BARC	103.5	Mt Logan
145.250-	WSU	123.0	* coming soon
449.250-	WSU	123.0	* coming soon
145.490-	K7HEN	123.0	Promontory Pt
146.920-	N7TOP	123.0	Promontory Pt
449.775-	N7TOP	123.0	Promontory Pt
448.825-	IRLP/Echo	123.0	Clearfield City
449.950-	IRLP	123.0	Clearfield City
449.425-	IRLP	100.0	Nelson Peak
147.360+	Summit County	100.0	Lewis Peak

AREA CLUB MEETINGS & WEB SITES

CLUB	WEB SITE	DATE/TIME	LOCATION
OgdenARC	ogdenarc.org	3 rd Saturday 09:00 am	Check OARC web site ...
WC ARES	ogdenarc.org/join.html#ares	2 nd Thursday 06:30 pm	Weber Co. Library Ogden Utah
WC Sheriff Comm-O		1 st Saturday 10:00 am	Weber Co. Sheriff Complex West 12 th Street Ogden Utah
Barc	barconline.org	2 nd Saturday 10:00 am	Cache Co. Sheriffs Complex 200 North 1400 West Logan Ut
CSERG	dcarc.net/ares.htm/	Last Wednesday 8:30pm	Clearfield City Hall Clearfield Utah
DCarc	dcarc.net	2 nd Saturday 10:00 am	Davis Co. Sheriff Complex Farmington Utah
NU Ares	home.comcast.net/~noutares/	3 rd Wednesday 7:00 pm	Cache Co. Sheriff Office Logan Utah
Uarc	xmission.com/~uarc/	1 st Thursday 7:30 pm	UofU EMC Bldg Room 101 Salt Lake City Utah
GSarc	Ubetarc.org	Check Website	Check Website
Utah DX Association	udxa.org	3 rd Wednesday check web page for details	check web page for details Salt Lake City area
UvhfS	ussc.com/~uvhfs/	Each Tuesday 8:00 pm (refer to web site)	Weekly 2 meter net (no eye ball meetings)
WDArc	westdesertarc.org/	1 st Tuesday 7:00 pm	Tooele County Courthouse Tooele Utah
WsuArc	arcweber.edu	3 rd Thursday 5:30 pm	WSU Blding #4 Room ? Ogden Utah

LOCAL AREA NETS

DATE	CLUB	FREQ
Daily @ 12:30 PM mt	Utah Beehive net HF	7.272 Mhz HF LSB
Daily @ 07:30 PM mt	Utah Code net HF	3.570 Mhz HF CW
Daily @ 02:00 UTC	Utah Farm net HF	3.937 Mhz HF LSB
Sunday @ 8:45 AM	Ogden Old Timers HF net	7.193 Mhz HF LSB
Sunday @ 7:30 PM	GS ARC	145.430 - 123.0 (training net)
Sunday @ 8:30 PM	SATERN Net	145.900 - 123.0
Sunday @ 9:00 PM	Morgan Co Net	147.060 = simplex
Sunday @ 9:00 PM	UARC Info net	146.620- no PL tone required
Monday @ 9:00 PM	2-meter SSB net	144.250 Mhz 2-meter USB
Tuesday @ 8:00 PM	Weber ARES	448.600 - 123.0
Tuesday @ 8:00 PM	VHF Society Swap	147.120 + 100.0
Tuesday @ 9:00 PM	Bridgerland ARC	147.260 + 103.5
Wednesday @ 8:00 PM	GS ARC	145.290-, 145.430-, 448.300- (all 123.0)
Wednesday @ 8:30 PM	CSERG	145.770 simplex
Wednesday @ 9:00 PM	No. Utah 10m HF net	28.313 Mhz HF USB
Wednesday @ 9:00 PM	6-meter SSB net	50.125 Mhz 6-meter USB
Thursday @ 6:30 PM	Davis Co Elmers Net	147.040 + 123.0 New Hams
Thursday @ 8:00 PM	Weber State ARC	146.820 - 123.0 (coming soon)
Thursday @ 8:00PM	State RACES VHF/IRLP	145.490 - 123.0, 146.680 - 123.0 3 rd Thursday - even months only
Thursday @ 8:30 PM	Davis ARES	147.420 = simplex
Thursday @ 9:00PM	Wasatch Back Net	147.360 + 100.0
Saturday @ 8:00AM mst	RACES State HF	3.920 Mhz HF LSB 3 rd Saturday – odd months only
Saturday @ 11:00AM mst	QCWA net HF	7.272 Mhz HF LSB

OARC OFFICERS

President: Kim Owen KO7U

Vice Pres: Larry Griffin AD7GL

Secretary: Gary Hudman WB7FMS

Treasurer: John Shupe K7DJ0

Program Director:
Gil Leonard KF7KPL

Activity Director:
Dave Woodcock KF7PAV

"WATTS NEWS" e-Magazine

NL Editor: Val Campbell K7HCP

OTHER CLUB APPOINTMENTS

Webmaster: Val Campbell K7HCP

Historian/Librarian: Kent Gardner WA7AHY

Advisor: Kent Gardner WA7AHY

Advisor: Stan Sjol WOKP

Photographer: John Shupe K7DJ0

QSL Manager: John Shupe K7DJ0

Equipment Manager: Val Campbell K7HCP

Repeater Engineer: Mike Fullmer KZ7O

VE Liaison: Mary Hazard W7UE and
Richard Morrison W7RIK

73 es cul de W7SU

www.OgdenArc.org