

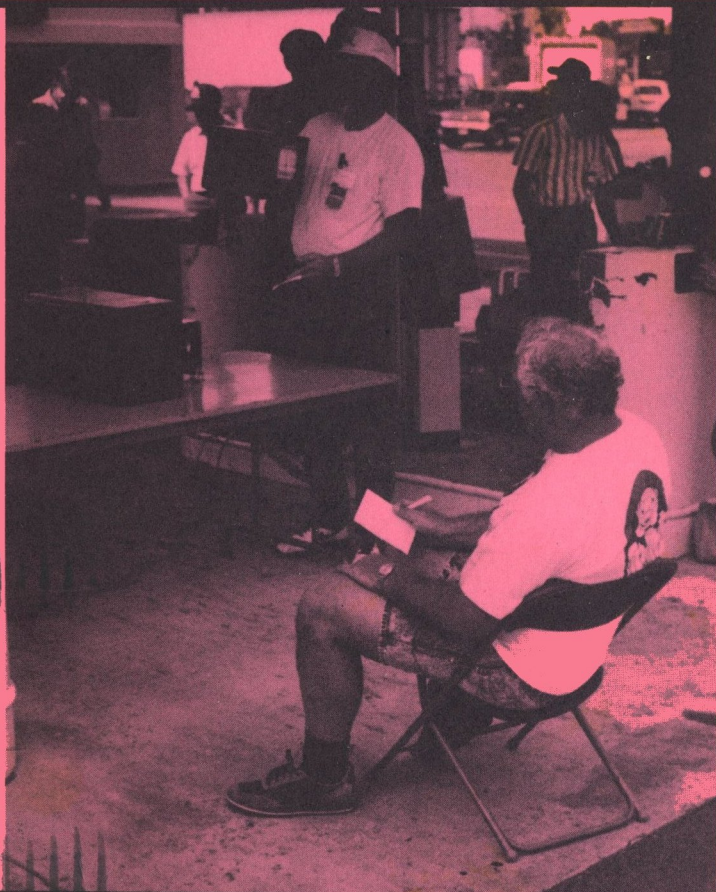
THE

FLASH!!

An Official Journal Published For Radio/TV Collectors
Dedicated to the Preservation and Documentation of Wireless, Radio, Television, and Associated Equipment

Volume 5 November ☺ December 1994 Issue 6

AUCTION



◆ David Boyle And His Front Row Seat! ◆

CALL SIGNS

An On-Going List Of Radio Station Calls

After perusing a number of old radio materials and seeing numerous radio stations change hands, frequencies, and power, I decided to collect them into this database. But I need help! To continue this list, I'm asking for your input, please. This could be a fun, simple project. "Donations" are appreciated. -- *Your CRC Editor* --

COLORADO

DENVER (* denotes active today)

- KDYY** (July 1922) Rocky Mountain Radio Company
1512-1516 Broadway
- KDZQ** (Nov. 1922) William D. Pyle
- KDZU** (Nov. 1922) Western Radio Corporation
- KFAF** (Nov. 1922) Western Radio Corporation
(Sp. 1925) 1080KC/500W
(Not listed in 1926)
- KFEL** (Sp. 1925) W. L. Winner Radio Shop 1184KC/50W
(1928) Eugene P. O'Fallon Argonaut Hotel - 1320KC 250W
- KFUP** (1925) Fitzsimmon's Hospital 1280KC/60W
(1928) Education & Recreation Department 1320KC/100W
- KFVR** (Fall 1925) "Near Denver"
[Lakeside - Ed.] Moonlight Rd, Rt.6 E. Rossi
1220KC/50W
(Not listed in 1928)
- KFXF** (1928) Pikes Peak Broadcasting Co. Brown Palace Hotel 1060KC/250W
- KFXJ** (1926)
(1928) Edgewater - H. G. Howell 1430KC/50W
- KLZ*** (Nov. 1922) Reynolds Radio Company
(Sp. 1925) 1534 Glenarm Street 1150KC/250W Slogan:
"It's a privilege to live in Colorado (with canary bird whistle)"
(1928) Transmitter in DuPont, Studio in Shirley Savory Hotel 850KC/1000W
- KOA*** (Nov. 1922) Young Men's

- Christian Association
(Sp. 1925) General Electric Company 1370 Krameria 930KC/1500W
(1928) 920KC/5000W (500W until 8P.M.)
- KOW** (1928) Associated Industries, Inc. 1429 Champa 1370KC/250W
- KPOF** (1928) Pillar of Fire, Inc. Belleview College - 1631 California 1490KC/500W

OUTSIDE DENVER

- KFAJ** (Nov. 1922) Boulder University of Colorado
(Sp. 1925) 1150KC/100W
(Not listed in 1928)
- KFBS** (Nov. 1922) Trinidad Chronicle News And Gas & Electric Co.
(Not listed in 1928)
- KFCK** (Nov. 1922) Colorado Springs Colo. Springs Radio Corp.
- KFHA** (Sp. 1925) Gunnison - Western State College of Colorado 1190KC/50W Slogan:
"Where the sunshines everyday and the fishing is fine"
- KFKA*** (Sp. 1925) Greeley - Colorado State Teachers College 1100KC/50W
(1928) 1200KC/1000W day 500W night)
- KFUM** (Sp. 1925) Colo. Springs. City of Colo. Springs ("W. D. Cory" in Fall 1925 - Ed.) 1240KC/100W Slogan:
"City of Sunshine"
(1928) Corley Mt. Highway Mining Exchange Building 620KC/1000W

(Continued on page 18 →)

Official Journal of the
**Colorado Radio
Collectors**

Founded October 1988

Dedicated to the Preservation and Documentation of
Wireless, Radio, Television, and Associated Equipment

MEETING LOCATION

Unless otherwise noted in this Journal, beginning in January, meetings are held on the second Sunday of every other month (exception: third Sunday in May) at 1:00 PM at the *South West Bank Building*, Community Room, 1380 South Federal, Denver. A swap meet follows the meeting in the bank parking area.

C. R. C. OFFICERS

President:

Barney Wooters (303) 770 • 5314
Denver

Vice President:

Jerry Tynan (303) 642 • 0553
Golden

Treasurer:

Larry Weide (303) 758 • 8382
Englewood

Journal Editor / Secretary:

Rick Ammon (303) 224 • 5446
Ft. Collins

ALL DUES

\$12⁰⁰

ANNUALLY

(Joining dues prorated to June 1st)

Larry Weide

5270 East Nassau

Englewood, Colorado 80110

Please do NOT make checks to CRC,
rather to "Larry Weide, CRC Treasurer"

WANT ADS

AND

ARTICLES

Should be directed to the

M.P.R.C.A. Editor

1249 Solstice Lane

Fort Collins, CO 80525-1239

DEADLINE NOTES

It's the intention of this Editor to broadcast our journal bi-monthly just prior to the C.R.C. meetings. Articles about, and pictures of your treasures, are welcomed as are *Wanted-Sale* ads and any letters or comments about our hobby. All materials used are the copyrighted © property of the Colorado Radio Collectors.

Your Editor will put together articles about your best finds, restoration and electrical repair techniques, or your recollections and stories about radio. Just provide a handful of information in any form.....and we'll put it together!

Our club can only succeed when we share our experiences, talents, needs, and adventures; you're being asked to contribute in whatever way you can. **SHARE** with us today!! Thank you!

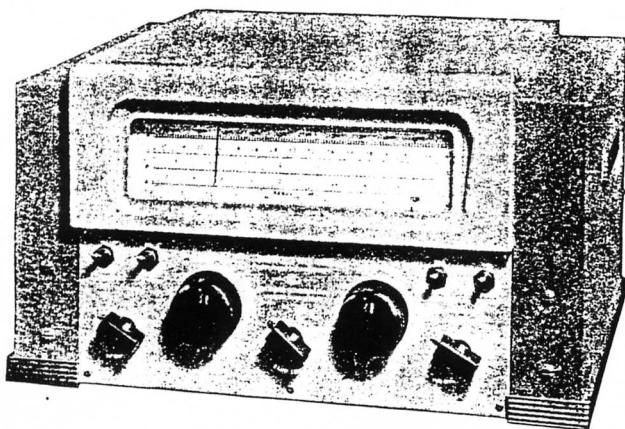
DEADLINES

February 5 • April 5 • June 5
August 5 • October 5 • December 5

THE SEPTEMBER MINUTES

Via Vicki's Cryptic Notes

Due to the annual auction, there are no official minutes of the meeting.



THE NC-46

The new National NC-46 Receiver is a fine performer at a moderate price. Ten tubes in an advanced superheterodyne circuit provide excellent sensitivity throughout the receiver's range from 550 KC to 30 MC. Circuit features include an amplified and delayed AVC, series valve noise limiter with automatic threshold control, CW oscillator and separate RF and AF gain controls. The push-pull output provides 3 watts power, and the AC-DC power supply is self-contained.

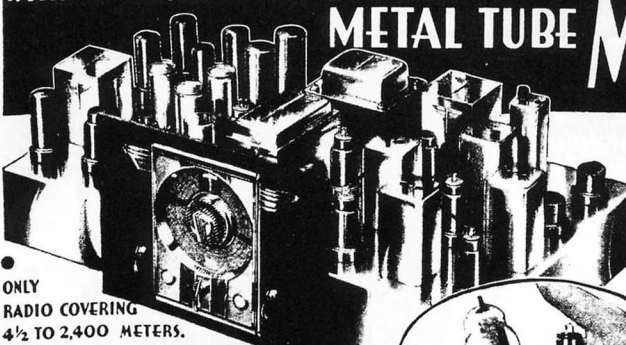
NATIONAL COMPANY, INC., MALDEN, MASSACHUSETTS



SAVE UP TO 50% BY BUYING YOUR RADIO *Direct from* MIDWEST LABORATORIES

Glorious Tone Realism.. World-Wide Entertainment Guaranteed!
with New 1936 SUPER *Deluxe*

METAL TUBE **MIDWEST**



18 TUBE
RADIOS
6 TUNING RANGES

ONLY
RADIO COVERING
4 1/2 TO 2,400 METERS.

30 Days FREE Trial!



PUSH-BUTTON TUNING
(Noises Suppressed)

Now, Push Button Silent Tuning is offered for first time! Simply pushing Silencer Button hushes set between stations... suppresses noises. Pressing Station Finder Button automatically indicates proper dial position for bringing in extremely weak stations.

Acousti-Tone V-Spread Design
(Patent Pending)
... Establishes new radio style overnight! The V-Front Dispersing Vanes were developed by Midwest engineers as a result of a study of directional effect of the Midwest Full Scope High Fidelity Speaker. These Vanes spread the beautiful lacquerwork of the "highs" throughout the entire room in a scientific manner... directing the High Fidelity waves uniformly to the ear. Send for new FREE 40-page catalog. It pictures the complete line of beautiful 1936 Acousti-Tone V-Spread consoles... and chassis... in four colors.

FULL SCOPE HIGH FIDELITY
Brilliant
Concert Tone
Now, get complete range of audible frequencies from 30 to 16,000 cycles, being transmitted by four new High Fidelity Broadcasting stations—WIXBS, W5XBY, W1XLR and W5XAL. Glorious new Acousti-tone is achieved... assuring life-like, crystal-clear "concert" realism.



V-FRONT



WORLD'S GREATEST RADIO VALUE
59.50
with New **GIANT THEATRE-SONIC SPEAKER**
(LESS TUBES)

TERMS AS LOW AS \$5.00 DOWN

EVERYWHERE, radio enthusiasts are praising this amazingly beautiful, bigger, better, more powerful, super selective, 18-tube 6-tuning range radio. They say it is a tremendous improvement over Midwest's 16-tube set, so popular last season. It is sold direct to you from Midwest Laboratories at a positive saving of 30% to 50%. (This statement has been verified by a Certified Public Accountant who conducted an impartial survey among representative Ohio, Kentucky and Indiana radio retailers.) Before you buy any radio, write for FREE 40-page 1936 catalog. Never before so much radio for so little money. Why pay more? You are triple-protected with: One Year Guarantee, Foreign Reception Guarantee and Money-Back Guarantee! This super Midwest will out-perform \$200 to \$300 sets on a point-for-point comparison. That is why nationally known orchestra leaders like Fred Waring, George Olsen, Jack Denny, Ted Fio Rito, and others use Midwest sets to study types of harmony and rhythmic beats followed by leading American and Foreign orchestras.

80 ADVANCED 1936 FEATURES
Scores of marvelous features, many exclusive, explain Midwest super performance and thrilling world-wide all-wave reception... enable Midwest to bring in weak distant foreign stations, with full loud speaker volume, on channels adjacent to locals. Only Midwest offers so many features... only Midwest tunes as low as 4 1/2 meters... only Midwest gives the sensational new Push-Button Tuning feature, etc. See pages 12 to 21 in FREE catalog for description of the 80 features. Read about advantages of 6 Tuning ranges... offered for first time: E, A, L, M, H and U. They make this Super De Luxe 18-tube set the equivalent of six different radios... offer tuning ranges not obtainable in other radios at any price!

DEAL DIRECT WITH LABORATORIES
No middlemen's profits to pay—you buy at wholesale price direct from laboratories... saving 30% to 50%. Increasing costs are sure to result in higher radio prices soon. Buy before the big advance... NOW... while you can take advantage of Midwest's sensational values. You can order your Midwest 1936 Full Scope High Fidelity Acousti-Tone radio from the 40-page catalog with as much certainty of satisfaction as if you were to come yourself to our great radio laboratories. You have 30% to 50%... you get 10 days FREE trial... as little as \$5.00 puts a Midwest radio in your home... Satisfaction guaranteed or money back. Write today, for FREE catalog.

Thrill to new explorations in sections of radio spectrum that are strangers to you. Every type of broadcast from North and South America, Europe, Asia, Africa and Australia is now yours. Send today for money-saving facts.

GEORGE OLSEN PRAISES LIFE-LIKE TONE REALISM
Long Island, N. Y.—After comparing many different makes, I finally decided upon Midwest. It out-performs other radios costing almost twice as much. The crystal-clear tone is so lifelike that it sounds as though I am in the studio, actually hearing artists performing.



HOTTEST'S FINEST RADIO SAYS TED FIO RITO
My new Midwest is finest radio I have had pleasure of hearing. Bass-Treble control is marvelous... enables one to hear every instrument in orchestra.



METAL TUBES
This Midwest is engineered from the ground up to use either the new METAL tubes or glass-metal counterpart tubes. Octal sockets and newest circuits permit use of either type... just as you desire.

MAIL COUPON TODAY! FOR **FREE 30-DAY TRIAL OFFER AND 40-PAGE FOUR-COLOR FREE CATALOG**

MIDWEST RADIO CORP.
Dept. 12F, Cincinnati, Ohio

Without obligation on my part, send me your new FREE catalog, complete details of your liberal 30-day FREE trial offer, and FREE Minitone Rotating 18-tube Dial. This is NOT an order.

User-Agents Make Easy Extra Money
Check Here for details

Name _____
Address _____
Town _____ State _____
 Check here, if interested in a Midwest All-Wave Battery Radio

MIDWEST RADIO CORP.
DEPT. 12F CINCINNATI, OHIO U.S.A.
Established 1920 Cable Address MIRACO All Codes

Auction Results

From the Auction Database of Larry Weide

Lot Description Legend:

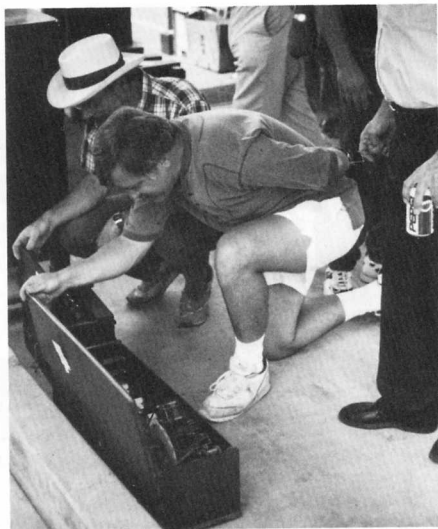
TA=Table
TO=Tombstone
PL=Plastic
PO=Portable
CO=Console
WO=Wooden
BA=Bakelite
BAT=Battery

LOT DESCRIPTION

PRICE

Philco 70 WO	\$ 160
Motorola 59X1 BA	10
Westinghouse J125A CO	95
Seeburg Power Amp	20
Admiral TV/Strom. Muzak	10
Harman Kardon Receiver	20
Tubes tv/xmtr	105
Ampex Reel to Reel	5
Crosley 929 CO	5
Box of Misc. Headphones	5
Hoffman 200, coin operated	40
Box of Misc. Speakers	5
Philco 38-10 Radio Bar	60
GE 535 clock PL	5
Box of Tubes	20
Bulova 100 PL	5
Box Tubes	45
Box Misc Radios PL	5
Speakers (2)	55
Heathkit Amp/Tuner	10
Tube Tester	15
Heathkit Amp	12
Documentation	17
Advent Dolby/Turntable	5
Zenith BA	60
AK Metal Cabinet only	20
Colonial 653 WO	100
AK 20c BAT	80
Zenith Chairside	55
Motorola 82A CO	10
Philco 38-12 WO	45
Power Supply/Wire	27
Warwick BA	40
GE 22A TO	105
Air Chief R1161	65
Western Electric Speaker	30
Silvertone Farm WO	40
Globe King Transmitter	30
Delco 1102 TO	80
SAMs Photofacts	40
Emerson 510 WO TA	25

Zenith 6D2614 WO	\$ 60
Zenith 8S359 CO	115
Zenith 6D510 PL	20
Oscilloscope 88A WO	10
Sonora WAU243 BA	70
NRI Oscilloscope	5
RCA 8T TO	80
RCA TV Calibrator	10
RCA 9K CO	20
Superior TV Generator/Radio	15
Transoceanic 6G40	80
Bisbey German BC/SW	35
Transoceanic	12
Heathkit Tube Tester	20
Ampex AM/FM	5
Hickock Tube Tester	35
Tape - Reel to Reel	5
EICO Tube Tester	15
Radiola CO	55
Hallicrafters S38C SW	25
Philco TO	80
Hallicrafters S107	35
Northome Radio/Speaker BAT	110
Zenith G615 BA	10
Tombstone (Sparton?)	60
RCA 9X641 BA	12
Jackson Tube Tester	15



CRCers genuflect to old battery sets!



Airline 04BR609A TO	\$ 45
Airline BAT	40
Knight 55A7	45
Crosley Dynacone Speaker (1925)	40
Ferrand "Senior" Speaker (1924)	50
Hallicrafter Sky Jr.	20
Airline 62-317 WO	50
Hallicrafter S38D	30
EICO Oscilloscope	10
Olympic TV	20

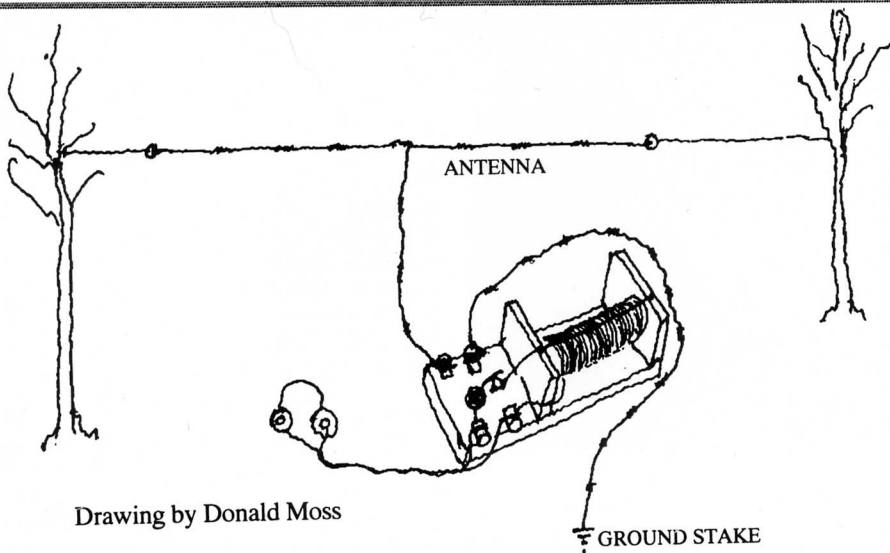
Rider Books	\$ 10
Kadet TO	65
Variac	45
RCA 8X521 PL	20
VTVM	5
Airline 62-177 TO	50
Color Bar Generator	5
Airline 14WG807 CO	20
Air King 721 WO	65
Airline 93BR563A WO	10
Coronado 43-6321 WO	10
Philco 42-122 WO TA	5
Monarch Comm M1	30
Wood table radio	20
Box Misc Speakers	5
American Bosch 31	95
Bozak Speakers	90
RCA 242 CO	60
AR Speakers	50
Airline (Made by Tri-City) BAT	110
KLH Speakers	45
Homebuilt Radio (mid-20s) BAT	60
Rectilinear Speakers	40
Philco 20 CA	140
Isofan Speaker	20
Zenith 12H670 CO	95
Hallicrafters S40B SW	15
Brunswick WO TA	85
Onkyo/Sherwood Tuners	30
Sparton 1271 CO	95

⊛



Remember those First Radios?

By Donald Moss, Guest Author



Drawing by Donald Moss

A special thanks to Donald Moss of Loveland, who authored this enlightening story and to the "Senior Voice", a Northern Colorado senior's publication, that gave us permission to reproduce it here.

Remember the early days of radio? There were one and two-tube receivers powered by batteries. You listened to programs through headphones.

Better yet were those crystal sets which cost next to nothing to operate. No tubes or batteries were needed.

I was in the seventh grade at Proctor School (*rural school near Loveland - Ed.*) in the 1920's where Mrs. VanHorne was teaching. She told about her son, Paul, who was making crystal radio sets. She had him make me one and it worked beautifully. I tuned in radio station KOA in Denver.

It was not long before I began making the sets. They were so simple.

When I was visiting an uncle on a farm west of Greeley, I offered to make him one. They had no radio and felt they could not afford one. They could not understand how one could be made and not cost something to operate.

I made them a crystal radio out of

junk I found around the farm shop. The first part needed was a galena crystal. I picked up one for a dime at a radio parts store. That was the total expense.

Second, I needed an antenna to catch the radio signals in the air. In the junk pile was a battery cable made up of many strands of bare copper wire. I tied enough of these together to make about 75 feet of wire.

Then I needed to get the wire high enough to catch the radio signals. Two trees near the house served the purpose. I broke the necks off two glass bottles to use for insulators on the ends of the antenna and with baling wire tied the antenna high in the trees.

To make the crystal set's tuning coil, I found a cast-off Model T Ford ignition coil in the junk. I mounted this between two upright pieces of board. When I stretched some heavier wire above the tuning coil with a slider to contact the coil for tuning

There were many cast off telephone batteries available with brass clips. I took these off and nailed them on both sides of the base for connecting the antenna, ground wires and headphones.

(Continued on page 19 →)

COMPUTER PLAYS NEW ROLE IN OLD RADIO COLLECTING

A Short Series (Pt. 2) By Rick Ammon

Last issue we covered several Bulletin Boards (BBs) expressly oriented to radio related topics. But the real action is on the International hookup known as InterNET.

This system is literally worldwide with the computer linking up to nearly every city in the modern world. (*It takes a bit of getting used to when tubes are referred to as "valves".*) Personal messages (called E-mail) are relayed from computer to computer until it reaches the destination "mapped" in the message's address header. InterNET postings on specific topics meant for the general public can be read by anyone who tells their regional base computer they want to read that topical "newsgroup". Of course, you can reply to these through personal E-mail or in a general posting.

In the past forty-five days, a newsgroup was formed through a very formal procedure. Over four hundred and fifty radio and phonograph collectors out-voted thirty-five "NO" votes to create..."rec.antique.radios+phonos". Throughout these pages in the months to come, you will find a smattering of the postings found in this newsgroup. As with the following, some editing to the messages is necessary to keep them brief and easy for you to read. I hope you find them as informative as I have.

From:
david.v.gonshor@claven.den.mmc.com
(David Gonshor) (CRC member - Ed)
Subject: Marconi vacuum tube
Date: Mon, 26 Sep 1994 21:52:05 GMT

Can anyone help identify a vacuum tube which may be very old? It is marked "Marconi's T of S. W. Co. Ltd --- Made in England under various patents" or something very similar. The marking is somewhat hard to read. The tube is tubular, approx. 2 inches in length, with the glass tip extending from an angle at one end. The end caps appear to be terminals, conical in shape. There are also two cylindrical terminals on the sides of the tube. I did not see this exact tube in "Vintage Radio", but some similar ones. I read that Marconi had to go to England to develop his stuff because the Italian government was disinterested. England issued Marconi his first patent, number 7777. Is this a very early Marconi tube? Thanks, Dave Gonshor

From: changm@cs.ucdavis.edu
(Mark William Chang)
Subject: Re: Parts for Sparton Radio
Organization: University of California,
Date: Thu, 19 May 1994 09:34:55 GMT

(The following is a reply to an earlier posting in italics about a Sparton - Ed)

Don Borowski wrote:

Hello, I have a large (stands on the floor) radio made by Sparton of London, Ontario, Canada in about 1932 (model 858). Unfortunately, my son just knocked it over (by accident) and the convex glass covering the dial and the dial have been damaged. I could replace the dial cover with flat glass, but it would be ideal to replace it with a convex piece of glass. Is there any chance of getting a replacement of the original glass and dial? How would you recommend searching for these things?

I don't even know how popular this radio was in Canada or the US. All suggestions will be appreciated. Is there a newsgroup that deals with antique radios?

The Sparton decorator radio you own is an extremely valuable antique. —>

The large floor-standing model you describe typically sells for over \$2500 in fair condition and much more in good condition in the Antique Radio Classified....

Unfortunately, these radios are rare and finding the glass may be close to impossible. However, your best bet is to obtain a free sample copy of the A.R.C. by sending them a letter and then posting an article in there asking if anyone's got the glass piece.

Good Luck!
Mark.

From: vancleef@bga.com
(Henry van Cleef)
Subject: Re: Chop Jobs, Was: How much finish repair to attempt?
Date: 6 Oct 1994 17:28:57 -0500

Bill VanAlstyne wrote:
*Well, guess what? I actually opened up the 37-610 last night, and boy was I in for a shock! The poor thing had been *mercilessly* hacked under the chassis -- in fact the whole tuner subassembly had been removed from the main chassis and *every wire* connecting the two had been simply dyked, then spliced back together and covered with yucky, gooey *black plastic electrical tape*.*

Too many times I have seen this happen. I know exactly what you mean! I borrowed a 1939 Zenith cube from a friend not too long ago with the intention of buying it. It was working but had some problems. I pulled the chassis to take a look and all of the paper caps had been clipped out and replaced with Sprague Orange Drops! YUK what an awful looking sight. To make matters worse, they soldered the new caps to the remaining leads from the old ones.

This is, of course, nothing but shoddy work, and unacceptable under any circumstances.

There are several tradeoffs involved, and I know at least one person who does museum restorations who does not attempt to make the hidden underside of a chassis look cosmetically like the original.

First of all, to address quality of workmanship, there is no excuse for not learning and practicing first-class workmanship. Get the right soldering

iron for the job, learn how to use it, and get the right tools for working with it.


Component replacement means "remove the old component entirely and replace it with a new one." Get a solder sucker and some good fine-point needle-nose pliers, and learn how to unwrap the old leads from the terminals without breaking the terminals.

Much more important than cosmetic considerations are safety and performance considerations. Don't forget that these radios have high voltage inside --- transformer sets typically have 250-300 volts. Also consider that several popular configurations were, at best, marginal designs. In particular are self-excited 6SA7's trying to run at 30 Mhz and any set with 88-108 FM using a self-excited 6SB7Y or 6BE6. Use best quality components, keep leads dressed and fairly short, and don't try to disguise components that don't look alike. These circuits need all the help they can get. Use spaghetti tubing for insulation on components that have to have long leads and pass near other components.

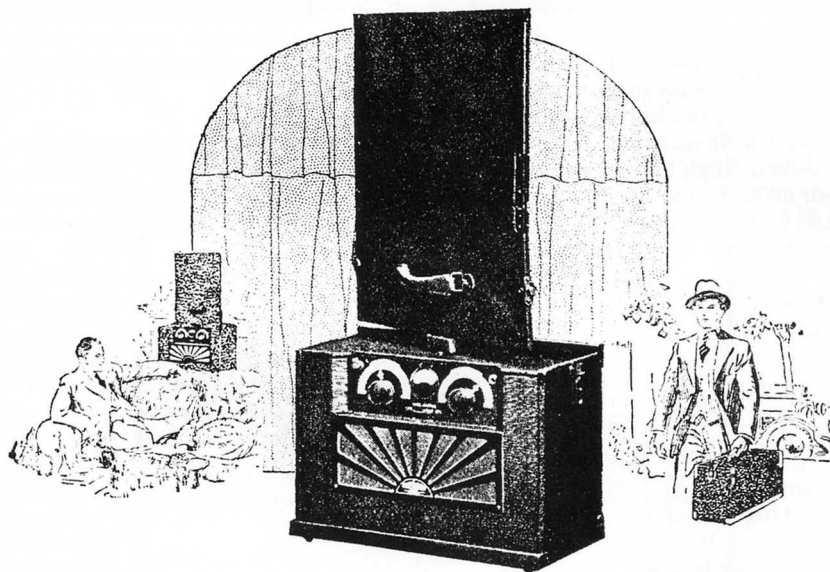
If you need to replace can-type electrolytics with tubulars, remove ALL the wires from the old can-type and take it out of the circuit completely. Either find some tie-terminals on terminal strips in the set, or install some new ones, and attach the new electrolytics, along with their wiring. Don't leave them physically hanging in mid-air.

Pay attention to heat dissipation. Don't hang the electrolytics right under a tube socket or right next to a power resistor. If you have to replace power resistors, make sure you are dumping the heat where the radio can take it. Derate all resistors 50% -- if the circuit dissipates over half a watt, use a 2-watt, minimum.

Learn how to make good solder joints. Remove excess solder, make sure every lead has a solder bond, and watch out for cold solder joints. The "housewives" who put these sets together in the first place (I use the standard term used in the industry when these radios were new) became very adept at making good solder joints, and it takes lots of practice to come close.

I personally don't have "religion" about making new caps look like 

OPERADIO



Everything You Want in a Radio Set

PERFORMANCE — BEAUTY — AVAILABILITY—the three things you really want in a radio set, are offered to a new degree in the 1925 Operadio.

The efficiency of this compact receiver has called forth the highest praise—clear, natural tone, range, volume and selectivity, simplicity of operation and reliability under severe conditions.

In its attractive new case, the Operadio conforms to the most discriminating standards of good taste—harmonizing with the most beautiful surroundings.

And, in addition, the Operadio is so compactly designed that it may be readily carried to any part of the house, or easily taken along when traveling or visiting.

The set is entirely self-contained. No aerial, ground or outside connections of any kind required. A patented wave-bridge in the cover replaces the "loop" used on some sets. Loud speaker, six tubes, exceptionally large space for dry cell batteries and all parts are fitted into the cabinet.

Write for an illustrated folder giving complete particulars.

THE TRULY WIRELESS RADIO

OPERADIO

JOBBERS:

**UNION HARDWARE AND METAL CO.
RADIO SUPPLY CO.**

R. H. MAC CAULEY CO.

532-533 San Fernando Bldg., Los Angeles.

910 Terminal Sales Bldg., Seattle, Wash.

(Pacific Coast Representative)

old ones, and I most certainly wouldn't put new wax-impregnated paper caps back into any radio --- they were wretched when new, gave lots of problems, and mylars are much better. Keeping the appearance of the radio parts that are visible when the chassis is in place, with the covers or back open is desirable, but tricks like potting new mylar caps in beeswax in old paper tubes may give some electronic troubles in high-frequency circuits. And keep in mind that 20 mhz is "high frequency" to a 2A4, 58, 78, or 6A7. To me component quality and quality of workmanship are far more important than making the under-chassis look like 1934.

Under any circumstances, if you want to listen to the radio, and not just look at it, good engineering practice, good quality components, and high standards of workmanship come first. You want a radio that will work reliably, and not catch fire or deliver electrical shocks.

 From: schoo@fnal.gov
 (Dans Cockatoo Ranch)
 Subject: Re: Chop Jobs, Was: How much finish repair to attempt?
 Date: 7 Oct 1994 14:26:02 GMT

I agree with Henry (*van Cleef above - Ed.*) 100% on this. Fast and sloppy repairs not only degrade the value of the radio but, as he also said, can compromise the safety and cause poor performance. This kind of work was typically done by shops who got a radio off the bench as fast as possible because there is little profit in fixing radios. Since you are working on your own equipment you have the time and incentive to do a first class repair. Good practice with a soldering iron and careful attention to detail is well-worth

the effort. The payoff is a piece of work you can be proud of and a radio that performs well.

I personally don't have "religion" about making new caps look like old ones, and I most certainly wouldn't put new wax-impregnated paper caps back into any radio...

We will have to agree to disagree in part on this point. When I replace a paper cap I always use a modern film type. I

have never had any problems with slipping the film cap into a paper shell. It's easy to do and won't effect the performance in the least for 94% of the applications.

Most of the time you will only find 20MHZ

in the first RF and converter stages of a SW or FM set anyway, after that 10.7MHz for an FM IF, or less than 500KHz for an AM set unless it has dual conversion. I'm not a fanatic on this point, if you don't mind some new components under the chassis put them in and enjoy your radio! Please don't use Orange Drops though, they are butt ugly no matter where they are. :-)

As far as the quality of paper caps, I agree they were bad news and should be upgraded to film types when they fail. I tend not to replace a paper cap if it is still good. To me this smacks too much of shotgunning. *See explanation below of shotgunning. I test all caps in the set and leave the good ones in. I realize that this may be asking for trouble later but I figure if the cap survived this long it's probably alright to leave it in. BTW replacing them all on the grounds that they are poor in the first place is not shotgunning but buying insurance against failure. This is a common practice in restorations but I tend toward the conservative side of this issue. (Continued on page 19 →)

	rec.antiques.radio+phono	h=help
1 +	Marconi vacuum tube	david.v.gonshor@claven.den.mmc.com
2 +	Old TV books wanted	gt@rahu.net
3 +	Chop Jobs, Was: How much to finish repair to.....	Knudsen,M.J.
4 +	Finding old television repairperson?	daniel wright
5 +2	Dating antique radios	Henry van Cleef
6 +	Antique Radio Magazines & Books	IIP95
7 +	Tubes For Sale	IIP95
8 +	Photofacts for Sale	IIP95
9 +	What's your favorite tube tester?	Thomas Krueger
10 +	Victrola Shopping: What to Look For	Robert Randolph Cu
11 +	Please Respect the Charter	conklin
12 +	Need Recoton needles.	conklin
13 +	Radio/phono cloth, radioactive 78s	Robert Randolph Cu
14 +	Edison Cylinder Phono Players	conklin
15 +	Why 78? Why not 75? Or 80?	Robert Randolph Cu
16 +	Halicrafters, and more	Wally Gibbons

(Example of an InterNET Menu Screen)

THE COLLECTORS

From the Camera and Pen of CRC's Tom Pouliot

Bill & Carolyn Hinkley....

This month the spotlight is on Bill and Carolyn Hinkley. Bill is a flight instructor and an architectural draftsman while Carolyn is a public affairs specialist. They've both lived in Colorado most of their lives and Bill has been a club member for about a year.

Bill got interested in collecting radios from his hobby of collecting old radio programs with his Dad. They have over four hundred hours of programs on tape. One of the program catalogues had an old radio on the cover and that's what first sparked his interest in old radios. He is also a member of the *Radio Historical Association of Colorado* which has a library of old radio shows that can be rented. This was news to me and I was glad to hear about it.

He gets a lot of his radios at estate sales by being very persistent and arriving as early as 6:30am to be first in line. One was a forest green Regency TR1 in the original box! (*extremely rare - Ed.*) That's one of the things they like about

the hobby, the thrill of the hunt. He says Carolyn has taught him the art of bargaining and they both like the sales. His favorite radio is a very early Airline console with a large built in horn speaker. You really have to see this one to appreciate it. It's all original and like new. It was advertised as a 1938 RCA for \$50.00, but is a rare early AC



console with beautiful wood. We cannot find this "AC-7C" listed anywhere. Does anyone have any information on this set?

When asked what radios he →

would like to find, he says a Zenith TransOceanic with the airplane on the front, since he is a pilot and likes the looks of a radio that's airplane related.

Their radios are very tastefully displayed throughout their home and even have some early TV's in the basement. I don't recall ever watching a round tube set before, so it was a treat to see one in operation. His advice to new collectors is, "If it's in good shape and a good price...buy it".

He likes refinishing and doing electrical repairs and modestly says he is just a beginner, but all of his radios work and are beautifully restored. His finishes are excellent and I got some good tips from him.

The neatest thing about this couple is that these newlyweds just recently celebrated their first anniversary and Carolyn, bless her heart, secretly located and bought a great Stewart Warner horn speaker as an anniversary present to Bill who needed one for his first battery set. I'm sure all of our wives are going to hear about this! He says the guys in the club are his greatest resource



for restoration information; he's learned a lot from other members and is thankful for that.

One last note...Bill and Carolyn have graciously offered to do **The Collectors** article for the next issue. Carolyn has journalism and photography expertise and between the two of them they will be a great addition to the column. I'm glad to see them get involved with the Flash and to help keep the column going. ❀

If you'd like your collection to be featured in this column, please contact Tom or, for that matter, Carolyn or Bill! - Editor

The Scrounge Box

By Larry Weide, C.R.C. Treasurer

Hi... all you CRCers! Well, while the "boys of summer" are out on the picket line, I've been fortunate enough to find someone who was willing to step up to the plate, so to speak. What I'm mumbling about is that while I was carping to Dave Gonsior one day about having a tough time coming up with a 'Box article for this month, he mentioned his daughter had given him a 1935 book on radio maintenance. In this book, amongst a lot of other very interesting information, there is an article on how to recognize depleted permanent magnets in old style horns and speakers AND how to re-magnetize them.

So, with an apology to Alfred Ghirardi and his book *Modern Radio Servicing*, and a lot of thanks to Dave and his daughter, I'd like to pass this information on to all of you folks. As you'll see, Dave has not only used this information, but he's upgraded some of it to take advantage of currently available resources.

As many of you know, the early speakers, particularly the horn type, were really nothing more than re-fashioned earphones. That is, as with an earphone, there was a permanent magnet closely associated with a finely wound coil of wire. Adjacent to the magnet/coil assembly was a metal diaphragm. When voice and music signals passed through the coil they would induce a variance of the magnet's effect on the diaphragm causing the diaphragm to vibrate in time to the program material. These vibrations are what we then hear as sound. The main difference between an earphone and the horn speaker was, of course, the horn itself. It was designed and formed to focus the sound so more than one person at a time could hear the radio.

There were a number of different types of assemblies used. Most of these were derivations of what were called balanced-armature and iron-diaphragm

type speakers. In the later derivations of these assemblies, paper cones (such as in the popular Atwater Kent early speakers) were attached to movable pole pieces by a mechanical linkage instead of having a metal diaphragm. In any case, they all required a fairly strong permanent magnet in order to give usable volume.

Back in the old days, they didn't have magnets that used steel alloys like Alnico nor did they have ceramic type magnets - all of which are nearly impervious to demagnetizing. So, mechanical shock, inadvertent AC voltage on the coil and "aging" could cause the speaker's permanent magnet to weaken in strength. The typical test for a good magnet was to touch the magnet face or pole piece with a screw driver. As Mr. Ghirardi says, a tenacious "pull" should be felt. If the attraction is weak then the magnet needs re-magnetizing.

Be aware there are any number of reasons why these speakers may work poorly or not at all. Be sure that you've checked out the speaker for other faults before going to the trouble of re-magnetizing. Reasons for failures I've personally run into are:

- An open coil or lead wire. Its not uncommon to have the lead wire separate from the coil right where they're soldered together. Its a touchy job, but not impossible to fix this situation.
- Metal particles and/or flakes of old coil varnish collected in the airspace between the magnet and the diaphragm or movable pole piece. It may take a disassembly to take care of this problem.
- Some of these speakers had an "operator accessible" adjustment that optimized the attainable volume. Sometimes rust/corrosion and/or misadjustment caused problems.

- The speakers that have paper cones are commonly subject to tears, distortions due to dampness, and separated glue seams and joints. (Look for a future 'Box article on how to repair or replace these cones)

The basic process of re-magnetizing involves placing the depleted magnet core through a coil of wire which has a momentarily strong DC current passing through it. The coil, as described in the book, is made on a form consisting of a 1.25" diameter round dowel fitted with flat end plates, similar in appearance to a typewriter ribbon or film reel. The width of the form, or the distance between the end plates, is 7/8". At least one of the end plates needs to be removable so the finished coil can be removed. The book suggests that strips of cotton or other insulating material be used to cover the form before the wire is wound on.

The coil itself is made up of 196 turns of #16 AWG enameled covered wire laid down in 14 layers of 14 close wound turns each. This amounts to a pound of wire - a unit of measure in which the wire can be bought. When you are finished with the windings, you need to continue with the taping so that the coil will not fray and will stand up to use. Perhaps you might want to attached sturdier multi-strand lead-in wires such as you find on a power supply transformer. Just make sure that the "hole" in the coil is kept clear for its intended use.

This coil, as designed, should draw about 12 amps on a 6 volt car battery. Guess what? Dave couldn't find a 6 volt car battery! So, being the resourceful rocket engineer he is, he amazingly discovered he had a 12 volt battery in his old heap, right out there in the garage. (Would you ride on a rocket designed by this guy?) In order to accommodate the higher voltage, Dave changed the wire size to 22 AWG and increased the winding to about 200 turns.

A safety point Dave made more than once is that you must be VERY cautious and aware that either voltage version of this coil will heat up quickly due to the fairly high current draw. However, as indicated below, only a momentary application of voltage to the coil is necessary.

The actual re-magnetizing process goes like this:

- The magnet is slipped through the coil. Position is not important so long as some part of the magnet is ALL the way through the coil.
- A "keeper" of soft steel MUST be in place across the pole faces before the coil voltage is applied. this is very important in order to properly conduct the magnetic lines of force through the magnet core. The keeper must lie smooth and flat on the pole faces, just like they did on those toy magnets we had when we were kids.
- The coil is momentarily placed across the battery voltage for no more than a second. Again, be VERY careful at this point concerning coil heating. You could, of course, use a power supply instead of a battery, but you'll need one that can supply about 15 Amps.
- With your third hand (!?), and while the coil is connected to the voltage, strike the magnet with a sharp blow with a small hammer. Presumably, this helps the steel molecules to align magnetically.

So, that's it. Careful reassembly should have your speaker as good as new.

By the way, I understand by the time Dave finally got around to buying some really good speakers, he was so old they didn't sound any better to him than his old horn speakers did! *

Grill Cloth Available

Dick Hagrman has arranged for a C.R.C. discount on grill cloth. For samples and ordering, see Dick....

- ▶ There are 10 different patterns.
- ▶ A minimum order is 1 yard (48" wide material)...enough material for at least 3 typical consoles.
- ▶ The cost is \$25 per running yard. Perhaps more than one member could share a yard.
- ▶ The C.R.C must place an order for at least 10 yards in order to get the discount.

AWA Convention

By George Kaczowka, InterNET Author

(Here's another example of the radio-oriented information available through your computer....)

I shared the trip with a fellow collector and we headed out to Rochester early Tuesday morning, figuring if there was to be any flea market action in the afternoon, we wanted to be in on it.

We got in about four that afternoon, and everything seemed to be quiet. The AWA makes a big deal about no activity until six on Wednesday morning. Well, by six Tuesday evening, there were several old friends out in the flea market area "renewing" old acquaintance. When the Marriot hotel realized that with two banquets scheduled for that evening, all the radio collectors in, and a big section of the parking lot roped off for the flea market the next morning, something had to give. It was the AWA rules! So, marketeers lined up to get their spots assigned and were asked to park their cars in their allotted spaces. If you asked if you could set up, the answer was a flat no! But if you didn't ask, no one stopped you. So...no one asked! We got our spot and started to walk around to the ten or so dealers who were starting to open their trunks. Things got off the ground slowly. We decided to open our trunk too. We didn't have much to sell, but thought we'd put a few items on the ground to see what might happen. We had two early battery radios (a Freshman Masterpiece chassis and a homebrew in a cabinet) and I brought an E. H. Scott radio chassis. (These are beautiful chrome plated monsters with lots of cans on top for those who don't know what they are. They were the Cadillac of radios and were often sold without cabinets, as if you could afford one. You also had your own cabinet maker who would custom craft a cabinet for you!)

Within an hour both battery sets were gone and there were at least 50

buyers scurrying around with about 20 trunks open in the lot. Speaking with other friends who had gotten there the day before, we found out all was not quiet during the day either.

Evidently, dealers were meeting in one another's cars. One couldn't help laughing as one group would climb into one car, stay a while, then, en-mass, leave and walk over to another car, meeting in there for a while! Neither the AWA people nor hotel security tried to stop it, while lists of people's inventory were getting passed around. Which just goes to prove that if you get interested collectors and dealers together, deals are going to be made and you really CAN'T stop it.

Some VERY nice pieces never saw the light of day. One was that a well known collector from the Carolinas had a NEW "Neutrodyne Spider" radio IN THE WOODEN CRATE! I can't remember the manufacturer of this set. Basically, it's a wooden battery radio with the richest, deepest, cobalt blue finish with very fine filaments of gold thread "woven" into the finish to look like a spider web. *(Can anyone give the editor any info on this one? - Ed.)* The one I had seen before had probably the most beautiful finish I'd ever seen. I was told this one was so much better than any others, since it had not been exposed to the fading effects of UV light. I wish I gotten to see it first hand, but it sold during the day. No actual price was mentioned, but something in FIVE figures was suggested! Where does one FIND something like that NEW in the Crate? I was also told several other big ticket items changed hands on Tuesday.

Wednesday Morning: 5am... The market is going at about 25%. People are scurrying around, but not much in the way of bargains are showing up. Dealers are not bending and finding flaws by flashlight is tricky! By 6:30 or so, people had their coffee and were starting to take their time...50% of the market was going...the rest →

opened up within an hour.

There were several battery sets, a few cathedrals, some Catalins, but, by and large, mostly middle-of-the-road radios and parts...most had defects and prices seemed to be really high. There were a lot of buyers and they did come to buy. Early tubes seemed to be in demand and signs of supplies dwindling are becoming pretty strong. I did see a dealer with interesting 50's style table radios which were not very expensive. This is an area of collecting that bears watching.

A Japanese fellow, who bought my Scott, struggled to carry a BUNCH of tubes and an old battery set back to his room. When he came back to pickup the Scott, he brought a foldup luggage carrier. Later that night we saw him again. He had traded-in the luggage carrier for the bigger one the hotel bellhop had and, later, another of his group had an even bigger one. After we talked, it became evident he and his friends were buying items, filling a container, and shipping it all back to Japan! He was like a kid in a candy store. This was his first meet here in the US, but he knew what he was looking for.

The day got really hot by 3pm and activity began dwindling. Nothing else other than the flea market was scheduled for Wednesday.

The Thursday morning flea market started out slowly with little new at first. Then more items started showing up...mostly new stock that didn't get displayed the day before. Inside the hotel, the book fair was set up and there were a lot of books on early radio available.

Thursday evening was check-in for the general auction as well as a presentation on early spinning disk television.

There are a few folks who sell contemporary kits based on early scanning TV. It was amazing to see these in action. The room was darkened with the subject placed under VERY BRIGHT lamps. The camera had a high speed motor spinning a disk with holes punched in it. The receiver across the room had a similar spinning wheel and used a big magnifying glass over a one inch square viewing window. Very crude, but it worked! You just had to keep from getting seasick as the image kept floating left and right as the motors kept trying

to stay in synch!

Not much at the auction that had not been in the flea market. What was really surprising was the lack of items compared to my memories of past years (but then we all know about my memory!). Our Japanese friend was scouting everything out! I don't know if he ever got any sleep!

Friday was to be the big auction day while the market was sure to be dead. We had had it, so we left on Friday morning, not seeing anything in the auction that really piqued our interest.

One other note of interest. Two national radio clubs have merged...the AWA, which sponsored this meet, and Antique Radio Club of America. The AWA has had a reputation of being very stodgy, technical in nature, and biased toward amateur radios and very early pioneers. Their new memberships have been dwindling for many years. The ARCA has had difficulty keeping members, since it's location in the W Va area was not easy for the large population centers to get to, but their membership was much younger and more interested in the "beauty" of the radio, rather than the historical and technical aspects. I hope the merger will make a more middle of the road club. Unfortunately, with so many local clubs popping up, the national clubs are having troubles keeping members who fail to see the need for them.

That's all for now. I did see a few folks from here on the net and it was great to meet them. -- George -- ✿

SPECIAL GUESTS

At the November C.R.C. meeting, **Belmar Historical Village** people (sounds like a rock and roll group, doesn't it?) [Larry wrote that! - Ed.] will discuss the following:

- ◆ The great results from our July museum show
- ◆ Initial plans for the '95 show
- ◆ Ideas for displays, scenarios and "touch/feel" exhibits
- ◆ Solicitation for further ideas and support

We need to give them a warm welcome and show them we're not, as Lee Bruton would say, just a "tree house" gang. -- Larry Weide --

GREAT BALLS OF FIRE RADIOS

After twenty plus years of collecting, sometimes I wonder why anyone would be interested in belonging to an old radio club! There are, by comparison, so few "old radios".

Then, like getting caught up in a Kansas tornado with Toto, I see a radio that cranks up my collector's pilot light! I step back and judge if I really want to spend a dime on a "modern" lump of plastic. A little voice in my head says, "This thing is certainly NOT a sleeping investment I can use as an excuse for adding to my already crowded collection. Nor is it artistically another Picasso. It's the technical missing link of all electronic discoveries? NOT! Then why.....?"

IT'S NEAT!

(Okay, okay, it's cheap, too!)



Suddenly, I understand why there are new collectors, why newer radios are collectibles, too, and why so often at the club meetings I hear the phrase, "I NEVER saw an radio I didn't like!"

The column that normally goes here is *Collector's Pride*...a showcase of your favorite radios. (Why just put in a bunch of photostats of radio ads we've all seen before, when we have so many FAVORITE RADIO pictures?)

Well, I can't say these are favorites, but do represent the newer sets of a different genre. Bait for all collectors.

Each set is the size of a volleyball and "solid state". The Sanyo phono-AM radio (circa 1968) has a built-in light that reflects off the 45 RPM spindle, giving a mirrorball effect even with the bubble-cover closed! The Weltron is an AM/FM/8-track player combo from about 1972. The rubber disc on the bottom literally welds the radio to a table through suction. Notice the tape is Fred Allen. - Rick Ammon - ❁



The Open Trunk

4Sale:

- Hoffman coin-operated radios... \$45 each
- RCA 85K console... \$60
- Air Castle AP2050 console which resembles the A2000 tombstone... \$60

Dan Bissetti
303/ 398 • 8251 Work
303/ 644 • 4202 Home

Needed:

- Black plastic handle for Zenith TransOceanic of the early 1950's

Rick Ammon
303/ 224 • 5446
303/ 221 • 4001

Wanted:

- Federal phonograph panel or similar with exposed tubes to fit into a 15" X 15" (approximately) phonograph console. Help us finish a long desired project!

Rick Ammon
303/ 224 • 5446
303/ 221 • 4001

LETTER RECEIVED

"We have a Sparton TV...15 or 16" screen...1951-52 vintage that we are not interested in." If any member is, please contact...

Bob & Rita Paige
7931 Green Ct,
Westminster, CO 80030
303/ 429 • 1509

CALL SIGNS (continued)

- KFXF** (1926) Colorado Springs (Denver in 1928)
- KGDP** (1928) Pueblo Boy Scouts of America 1340KC/10W
- KGEK** (1928) Yuma Beehler Electric Equipment Co. 109 W. 2nd Ave. 1140KC/10W
- KGEW** (1928) Fort Morgan City of Ft. Morgan City Hall Bld. 1370KC/200W Day 100W night
- KGFL** (1928) Trinidad Transmitter in Raton, N.M. Norbert L.Cotter 219 West Main 1350KC/50W
- KGHA** (1928) Pueblo Geo. H. Sweeney & N. S. Walpole 1430KC/500W
- KGHF** (1928) Pueblo Phillip Curtis P. Ritchie & Joe E. Finch 1430KC/250W
- KGIW** (1930) Pueblo

KHD (Nov. 1922) Colorado Springs Aldrich Marble & Granite

NEBRASKA

- KFKX** (Sp. 1925) Hastings Westinghouse Electric & Manufacturing Corp. 1040 KC/500 watts - Relay from **KDKA**, Pittsburgh
- KGBZ** (1928) York Federal Livestock Remedy Co. 715 Grand Ave 1350KC/50W
- KGEO** (1928) Grand Island Hotel Yancy 116 North Locust 1460KC/100W
- KGNF** (1930) North Platte
- KMMJ*** (1928) Clay Center M. M. Johnson Co. (Divides time with **WCAJ** Lincoln, Wesleyan University) 1050 KC/500W 250W night (*now in Grand Island) ❄



CONTRIBUTIONS NEEDED



Seeking articles and stories relating to radio, TV, or associated equipment for use in our publication. Tips, suggestions, hints, and descriptions of restoration techniques solicited

ON THE AIR

Barney Wooters, C.R.C. President

Fall is here and along with changes in the weather, there will be a change in our club - that is, Jerry Tynan will assume the position of President of CRC. I have thoroughly enjoyed being CRC President for the past year. It has been great to see our club grow and expand. It is hoped that all the recent new members will feel they have gained in knowledge and experience and may even be able to share their specialties with the club.

Our auction in September was a great success...again! Lots of "treasures" found new homes and the club treasury benefited as well. Plans are under way for the 1995 radio show and display at Lakewood's Historic Belmar Village with radios provided by CRC Members. The month long July 1994 show was a great success. Please be thinking about the radios and related items you can provide for the "Big Show" in 1995.

The annual AWA Conference at Rochester, New York, was outstanding as usual with just over 880 attending from all around the world. Auction results and other information will be available in the next OTB.

From time to time I hear about "treasures" acquired by area CRC members - keep up the good work! Remember, it is our duty to rescue and care for all these great old radios.

See you at our November meeting...same time and same station.

FLASH!!

THIS MONTH'S FEATURES

Call Signs	2
Auction Results	4
Remember Those First Radios?	6
Computer Plays New Role (Part 2)	7
AWA Convention	15
Great Balls of Radios	17

REGULAR COLUMNS

(Meet) The Collector	11
The Scrounge Box	13
Wanted/4Sale/Service Ads	18
Club News / Minutes of Last Meeting	II
New Members	II
Collectors Books	III

REGULAR NOTICES

Deadline Dates	I
Dues Notice / Dues Information	I
Meeting Location	I

Thank You!! Contributors...

George Kaczowka
Donald Moss Tom Pouliot
Larry Weide Barney Wooters
and
Our "Want Ads" Contributor

We sincerely thank C.R.C.
member *Lonnie Smith* and
his Denver company

PRESSWORKS

for providing us with a
professionally printed
newsletter, the *FLASH!!*

COLLECTOR BOOKS

Lucky us! Members get specially reduced prices from L& W Books of Indiana, most up to 40% off the suggested retail plus \$1.00@ for shipping. The club also is asking for \$1.00 per book to add to the treasury. At this meeting, get those books ordered!

Here are some of the other categories of books available that might interest you and/or your significant other including, in part: Glassware, Pottery & Porcelain, Oriental & Occupied Japan, Cowboy & Sports Collectibles, Silver, Jewelry, Furniture, Advertising, Toys, Dolls, Art, Tools, and etc. The listing will be available at the meetings and books from these and other categories may be ordered, too.

Descriptions are taken from the catalogue. The first price is the suggested retail. All have paperback covers unless otherwise noted.

ANTIQUE RADIOS, COLLECTOR'S GUIDE - 3rd EDITION

Bunis, '94-95 values, revised & updated, new photos, 278 pgs ...\$ 18.95 \$ 11.37

ANTIQUE RADIOS RESTORATION GUIDE - 2nd EDITION

Johnson, 144 pages, No prices, Repairing and Refinishing\$ 14.95 \$ 8.97

CLASSIC TV'S, TELEVISIONS PRE-WAR THRU 1950's

1992 values, 86 pages, color\$ 16.95 \$ 10.17

OLD RADIOS, POINTERS, PICTURES, AND PRICES

Johnson, 1989 prices, 225 pages, 350 photos \$ 16.95 \$ 10.17

PHILCO RADIOS, 1928 - 1942

Ramirez, Rarity Scale, 185 pages, All Color, No pricing \$ 29.95 \$ 17.97

RADIO & TELEVISION PRICE GUIDE - 2nd EDITION

Harry Poster, 1994 values, 195 pages, Years 1920 - 1990 \$ 17.95 \$ 10.77

RADIO, EVOLUTION OF THE - VOLUME ONE

227 pages, 118 in color, More than 800 radios pictured and priced for 1992, pictures from the collections of CRC members Jim Berg and Warren and Johnny Johnson \$ 22.95 \$ 13.77

RADIO, EVOLUTION OF THE - VOLUME TWO

All different from Volume One, 226 pages, Color, Radios of the 1920s - 1960s, With 93-94 values, pix from collection of member Jim Berg ..\$ 24.95 \$ 14.97

TRANSISTOR RADIOS, COLLECTOR'S GUIDE

Bunis, 256 pages, 1994 prices, Full Color \$ 15.95 \$ 9.57

NEW!!....

TRANSISTOR RADIOS, COLLECTOR'S ENCYCLOPEDIA

Lane & Lane, 1994-95 prices, 168 pages, Photos, 2200 listings ...\$ 19.95 \$ 11.97

Computer Plays (Continued)

Chassis mount electrolytics are a different story. Every effort should be made to keep the visible parts of the chassis original. Gutting out old screw down and Twist-Loc electrolytics to install new caps in the shell is hard work. Fortunately there is a place called Frontier Electronics that will do this for a very reasonable cost. I believe they are listed in the FAQ (*Frequent Asked Questions file area - Ed*) under capacitor suppliers.

- ♦ **Shotgunning:** The replacement of all of the components in a circuit in order to repair it without troubleshooting. Does not apply to replacement made for upgrade in performance.
- ♦ **Good Context:** Done when speedy repair is vital and time or other constraints do not permit a full troubleshooting procedure.

First Radios? (Continued)

With some of the copper wire, I made a cradle to hold the galena crystal. Also I used the light wire to make a catwhisker to contact the crystal. Then all I did was connect the components with more copper wire.

My uncle cast a curious look at my radio. "You really think you can make that pile of junk talk?", he said.

After supper that evening, I took the receiver off the telephone and connected it to the crystal set. I slid the tuner along the top of the coil to about half way. Then I tickled (contacted) the crystal with the catwhisker.

It was no time at all before I heard a faint whisper of music. I pushed the slider back and forth on the coil to find the best spot for tuning the station. I moved the catwhisker and found a "hot spot" which brought the station in loud and clear.

My uncle sat down and listened, and he began to laugh. He could not believe what he was hearing. It was not possible! How could that pile of junk talk?

I recommended they spend a dollar and get a pair of headphones. They did. *

- ♦ **Bad Context:** Done when the service man is too inexperienced or "cognitively challenged" (too dumb) to figure it out the right way.

(If you have a modem, live around Denver, and want to connect with InterNET, try the number in this message to your editor. It can be fun and, of course, informative.... Editor)

From athresto@nyx10.cs.uu.edu
Date: Sun, 11 Sep 1994 11:38:55
From: Anne Threston
Subject: Denver InterNET Phone #

Rick, I use a service available through Denver University....The number is 871-3324. Log in as "new" and it'll tell you what to do from there. It is free, but they do appreciate donations.

From: robie@umbc.edu (Bill Robie)
Newsgroups: rec.antiques
Subject: Re: A visit to
rec.antiques_radio+phono
Date: 5 Oct 1994 01:20:35



Linda Zinn wrote:

I just strolled over to have a gander at r.a.'s first offspring. Boy, are those kids having fun over there in their new playground! I didn't have time to read much, but they sure have some interesting titles:

.....and my personal favorite.... "Eliminating mouse pee from your radio".....(Forgive the off-topic remarks, but I think a little levity is needed around here every now and then.)

Hey! Eliminating mouse pee is *serious stuff* over there! Why do you think those 1938 Disney "Mickey" radios sounded so Goofy? ;-)

*A new InterNET column instituted with the next FLASH!! will provide the best questions and answers about our radio hobby as well as a lot of restoration information that saturates the posting in this new newsgroup of "rec.antique.radios+phonos". If you can get on the net yourself, you'll appreciate the column. -- Editor -- **

*Ms. 'N' Plains
Radio
Collector's
Association*

CRC | NARCA
5270 East Nassau Circle
Englewood, CO 80110



Fred Bantlin
2543 17th Ave.
Greeley CO 80631

POSTMASTER: FIRST CLASS MAIL RUSH!!