

My Ultimate Transistor Radio "Score"

By: Neil Gallensky

I collect early vintage transistor radios among other things. On weekends, I often spend mornings exploring our local (Denver, Colorado) outdoor flea market, if for no other reason than to get a little fresh air and exercise and to swap stories with some of the other local collectors.

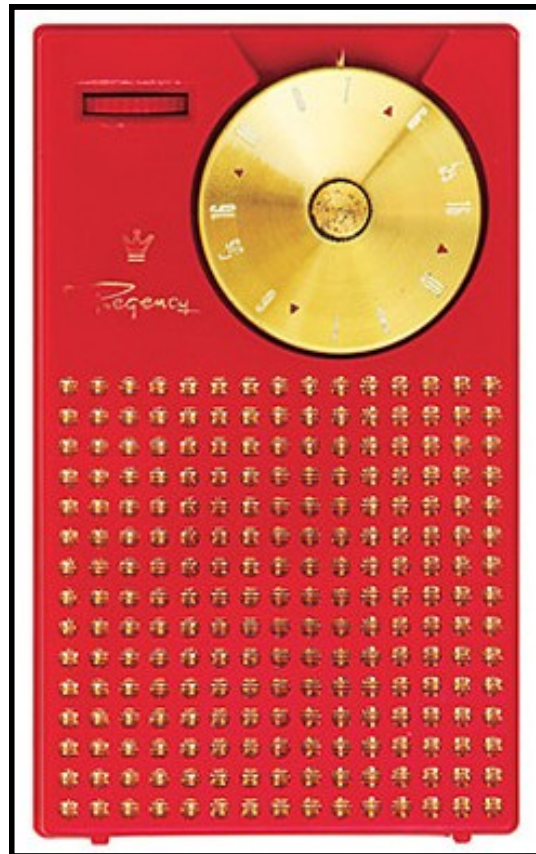
This market is a huge general flea market which occupies several acres, and it is not unusual to see most anything for sale, including hot tubs, auto parts, fruits and vegetables, hand crafted items, clothing, antiques, collectibles, and other assorted "junk". Once in a while even a collectible radio shows up (although not nearly as frequently as most of us would hope!). In the spirit of friendly competition, several of the local radio collectors anxiously await the rare opportunity to "pounce" on a collectible set!

One summer Saturday a few years ago, I was making my rounds through the flea market, and experiencing my typical frustration due to lack of success in finding anything of interest. It was now mid-morning, and since it was a clear day the mercury was already soaring. Given my total lack of success, I was beginning to question my sanity in continuing to search for anything on the flea market's large expanse of baking asphalt. After already having walked a few miles that morning, my feet were sore, and I was seriously considering abandoning the day's effort and instead engaging in more productive pursuits (such as going home and mowing the lawn).

Ah, I figured one more "round" of the flea market couldn't hurt. All of a sudden, my heart nearly stopped. From a distance, I spotted an item on one vendor's table that looked very familiar, almost at an instinctive level. Nah, it couldn't be. But the gold dial was in the right place.

No - it would have been already snapped up by this late in the morning. Something in my gut told me I needed to see this item up-close and QUICKLY. To this day, I still can't recall how I got to the table, whether I simply ran or actually flew through the air. In a matter of seconds, I was holding a red Regency TR-1 transistor radio in my hands, which I was able to purchase for the total sum of one dollar! My hands were shaking so hard, I could barely retrieve my billfold and present the money to the seller!

For those not familiar with vintage radios, the Regency TR-1 is the very first commercially produced transistor radio, and the TR-1 first came to market in the fall of 1954, at a hefty price of nearly \$50 at the time, making it very expensive for the typical consumer back then.



The introduction of this Regency pocket radio really did begin the headlong rush into developing and marketing portable electronic devices that are so prevalent today. As "the first," these radios are highly sought-after today, and command a premium price from both radio collectors and students of technology history. The Regency TR-1 is on display at the Smithsonian and in many other

(Continued on page 3)

COLORADO RADIO COLLECTORS ANTIQUE RADIO CLUB

Founded October 1988

The Flash! © 2013, all rights reserved

Message from the President

Greetings to all my fellow radio collector club members. I gotta say that our March show was the most fantastic...and fun show we ever put on!

We should all be wonderfully proud of ourselves and our club. Just looking at the score sheet elsewhere in this Flash you will see literally a "plethora" of radio entries. All the tables were well stocked with a variety of each size and shape.

At times the area was so crowded with spectators, club members and VVE entrants that it was pleasantly difficult to get around and view the radios. Likewise for the VVE...I expect that that was a resounding success too.

Your President gives a "shout out" to **Merril Campbell** for the Best Educational Display....frankly yours truly did not know that so many various "species" of plastics went into radio cabinet construc-

tion.

Merril's display described each type of plastic accompanied by beautiful examples for each plastic type.

And a very loud "shout out" goes to **Neil Gallensky** ...he broke a show record by winning the unofficial *trifecta*: achieving three grand awards for his Zenith 12 tube "Walton" radio. ...Best of Show, Peoples Choice, and Best Restoration.....WOW!

My thanks for all those who participated and helped making this event a day-to-remember.

Merril will be filling-in for me at the May meeting...once again I'll be kicking around the deserts of Nevada looking for adventure and trying to stay out of trouble.

David Boyle



CRC CONTACTS

President	David Boyle 303-681-3258 Djboylesr at msn.com
Vice President	Position open Can YOU fill it?
Treasurer	Merril Campbell 719-596-3482 Campbell321 at junio.com
Archive and Books	
Egroup Manager	Mark Dittmar (303) 877-0158 Mbdittmar at comcast.net
Flash! Publisher	Steve Touzalin (303) 988-5394 Stevetou at comcast.net
Flash Graphic Editor	Rich Kuberski ROKuberski at msn.com
Flash! Distribution	Richard Beckman (303) 344-8565 Rebdalbeck at msn.com
Webmaster Website	Bill Grimm www.radioace.com

NOTE: at = @ in email addresses

Upcoming Events

5/11	Mother's Day
5/26	Memorial Day
6/21	Summer Begins
7/4	Independence Day
9/21	CRC Auction

Meeting Locations

(Unless noted otherwise)

Littleton	Castle Rock
January	March
May	July
September	November

CRC MEETINGS

Meetings are held on the 2nd Sunday of every other month starting in January (except May is 3rd Sunday) at 1:00 pm. The meetings consist of business, "show & tell", raffles, auctions, swap meets, technical discussions and other subjects of interest

CRC MEMBERSHIP

Annual membership in the CRC runs from July to June. Dues entitle members to attend meetings, "The Flash!" our newsletter, discount book prices, participation in our spring show and Fall auction. Current annual dues are \$20. New memberships will be prorated to the following June.

(Continued from page 1)

collections displaying the most significant breakthroughs in applying technology to meet consumer needs.

The radio I found that morning a few years back is not quite in perfect shape, yet it is exhibited proudly on my shelf as a treasured item in my collection. I'm personally convinced that sequence of events which I have described here and the ultimate "triumph" in finding this

radio are every bit as important to me as the actual possession of the radio. In other words, I would not have experienced nearly as much fun if I had simply purchased the radio from another collector for big bucks. So, to all of my fellow collectors, the dream remains alive! You too could come across that ultimate treasure when you least expect it!

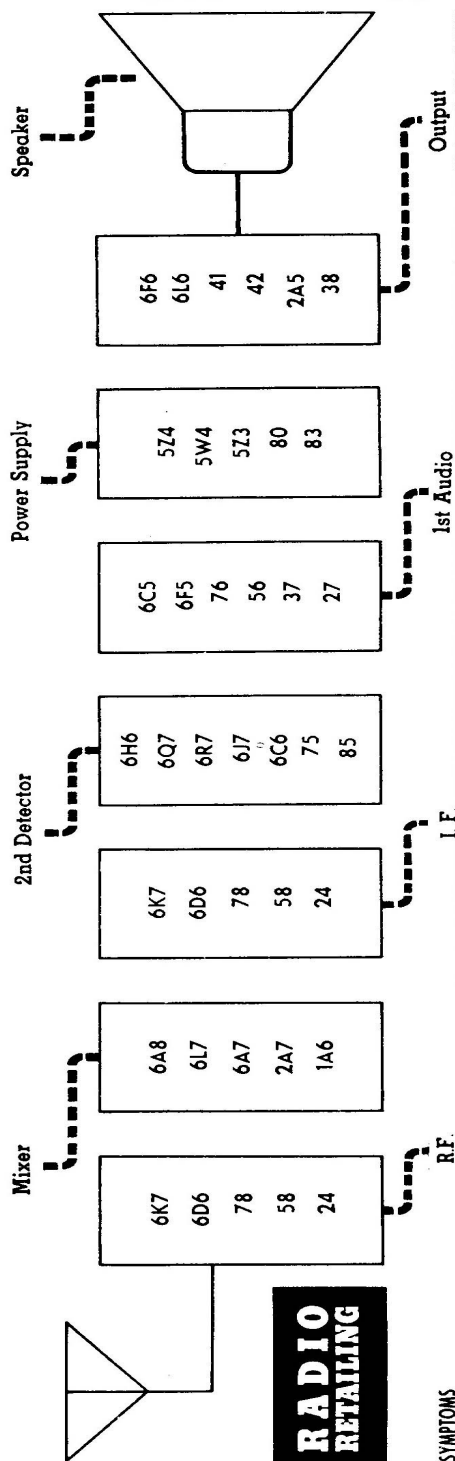
Previously published in the *Antique Trader* in their "Favorite Finds Contest" in August 2010

COMMON TROUBLES, STAGE-BY-STAGE

(Compiled from *Radio Retailing's* "Tricks of the Trade" File)

SYMPTOMS

Inoperative	Oscillator plate resistor open First I. F. transformer primary open Shorting or open oscillator trimmer Open plate choke Poor insulation on oscillator trimmer Open grid return resistor High resistance at lugs of oscillator coil Dirty band switch contacts	Plate load resistor open or shorted Shorted trimmer condenser Control grid lead shorting to shield Open plate filter choke Defective volume control Leaky resistor bypass shorting High resistance in I. F. secondary R. F. bypass condenser shorting Open plate or grid bypass Defective volume control Out of alignment Defective plate load resistor Defective volume control Leaky audio coupling resistor Plate load resistor too high Leaky plate bypass condenser	Shorted electrolytic condenser Filter choke open Open voltage divider Shorted or open power transformer secondary Shorted or leaky filter condenser Loose contacts on voltage divider Defective line switch Filter choke shorting to ground Open filter condenser Defective voltage divider Filter choke leaking to ground Leaky bypass from rectifier to ground Open or shorted primary bypass condenser Center tap on filament windings open Open or leaky output filter condenser Grounded pilot light bracket	Open voice coil Secondary of output transformer open Voice coil leads open Voice coil lugs shorted to pole piece Voice coil lugs making poor contact Metal filings grounding voice coil Secondary of output transformer opening Field coil connections making poor contact Metal filings grounding voice coil Waxed cone Voice coil rubbing on pole piece Voice coil winding loose Field coil open or shorting Hum bucking coil shorted or reversed Voice coil rubbing on pole piece Unfiltered field supply
Intermittent Fading				
Oscillation Noisy	Open grid coil Cathode bypass open or leaky Shield on grid leads corroded or open Decoupling resistor shorted Leaky plate bypass condenser Shorted or leaky cathode bypass Open grid filter condenser Oscillator misaligned			
Distortion Hum				



SYMPTOMS

Inoperative	Open or shorted R.F. coil Band switch contacts dirty Shorted tuning or trimmer condenser Open plate decoupling resistor or choke Shorting trimmer condenser Loose connecting lugs on R.F. coil Leaky plate or screen bypass Band switch making poor contact Rector contacts on tuning condenser dirty Open cathode or screen bypass Shorted bias resistor Aligned too sharply	Open I. F. coil Plate decoupling resistor open Shorted trimmer condenser Primary and secondary bypass shorted Open or shorting grid bypass Litz wire on lugs corroded Trimmer condenser shorting A.V.C. network defective Screen bypass open I. F. out of alignment Shorted cathode bias resistor Poor coil contacts at lugs Open cathode bypass Stage out of alignment Too sharply tuned, oscillation High resistance between primary and secondary of I. F. transformer	Plate load resistor open Open audio coupling condenser Shorted plate load bypass Open cathode resistor Defective audio transformer primary Open volume control Leaky grid or plate coupling condenser Defective plate load resistor Shorted cathode bypass Plate decoupling resistor shorted Open plate bypass condenser Primary of coupling transformer opening Shorted grid or plate coupling condenser Cathode bypass shorted Audio transformer open or shorting High resistance from primary to secondary of audio transformer	Primary of output transformer open Open cathode bias resistor Shorted audio coupling condenser Secondary of output transformer shorted or open Defective primary on output transformer Open cathode bias resistor Shorting audio coupling condenser Open secondary on input transformer Open cathode bypass condenser Defective cathode resistor Leaky audio coupling condenser High resistance from primary to secondary Shorted rectode bypass Screen grid circuit open Shorted turns on output transformer If pushpull, tubes are unbalanced
Intermittent Fading				
Oscillation Noisy				
Distortion Hum				

2014 CRC Show Results

ENTRY	NAME	SCORE	PLACE	Military			
Bakelite				Japanese Military Weather Ob. 1943	Bob Jensen	450	1
Philco ? 1946	Jerry Tynan	450	1	Farnsworth BC-312N 1943	Richard Kuberski	380	2
Eumig Wiew VE301DYn 1938	Jerry Tynan	450	2	ARC-5 Command Set WWII 1943	Bill Busch	370	3
Philco 53-563 1953	Bill Kohl	445	3	No Judging - Display Only			
RCA 8R71 1949	Jim Johnston	435		Stromberg Carlson 5A 1925	Jim Johnston	0	
True Tone D2017 1950	Merril Campbell	420		Crosley 601 1927	Larry Snyder	0	
RCA 45X11 1941	Jerry Waterman	405		RCA 66X2 1947	Larry Snyder	0	
General TV 5 1946	Jerry Tynan	405		Apple Radio Cooler 1980's	Larry Snyder	0	
True Tone D-2018 1950	Travis Ogden	395		Zenith Royal 750L 1956	Larry Snyder	0	
Philco 46-200 1941	Jerry Waterman	380		GE 517 1951	Larry Snyder	0	
Philco 46-250 1946	Tom Zaczek	380		Airline 62-317 1943	Larry Snyder	0	
RCA 56X1 1940	Jerry Waterman	355		RCA Advertising 1941	Larry Snyder	0	
				GE Advertising 1951	Larry Snyder	0	
				RCA Advertising 1946	Larry Snyder	0	
Battery - 1926-1929				Snyder Indoor Wall Antenna	Larry Snyder	0	
King Radio 80 1927	Bill Dial	485	1	Guild 63B 1965	Bill Dial	0	
RCA Radiola 16 1927	Richard Kuberski	435	2	Popular Mechanics Superhet 1925	Bill Dial	0	
				Coca Cola 1950	Marty Phillips	0	
Catalin				Philco Camper Truck 1967	Marty Phillips	0	
Stewart Warner 9010 1942	Merril Campbell	480	1	Home Brew Wireless Sets (14 Pieces)	Tom Pouliot	0	
Bendix 526C 1946	Neil Gallensky	405	2				
				Novelty - Transistor			
Cathedral				Golf Cart 803 1960's	Merril Campbell	365	1
Pilot Super-wasp 1932	Bob Slagle	500	1	Plate 524 1985	Jim Johnston	315	2
Philco 70 1931	Jerry Waterman	365	2				
				Novelty - Tube			
Classic Audio				Trophy Baseball 1950's	Bob Slagle	430	1
Heathkit A-7C Amplifier 1954	Bill Grimm	485	1	Parliament RCA D 1950's	Bob Slagle	390	2
				Emerson Desk Set 1950's	Tom Zaczek	380	3
Communication Gear				Guild 484 Spice Chest 1956	Tom Zaczek	340	
Mosley CM-1 1961	Bill Harris	460	1	General TV 534 1939	Tom Zaczek	330	
ICOMR-9000 1989	Robert Baumann	445	2	Philco 706 1953	Jim Johnston	280	
Hallicrafters CB-11 1964	Robert Baumann	420	3				
Petersen RM2-A 1969	Robert Baumann	395		Plastic - Tube			
Collins 618F-1A 1965	Bill Busch	325		Admiral 16D25 1945	Bill Dial	360	1
Busch Ham Equip. Cabinet 1956	Bill Busch	250		Arvin 451-TL 1950	Jerry Waterman	345	2
				Motorola C1W3 1963	Richard Kuberski	340	3
				Motorola 68X11A 1950	Tom Zaczek	325	
Console - Full Length				Delco 1230 1947	Jerry Waterman	275	
Atwater Kent 509W 1934	Jerry Waterman	380	1				
Atwater Kent 559 1934	Richard Kuberski	370	2	Portable - Post 1938			
Zenith 6D455 1940	Tom Zaczek	345	3	Automatic Tom Thumb 1947	Bill Dial	380	1
				Zenith H503 1951	Merril Campbell	305	2
Crystal Set				Western 158 1947	Jim Johnston	0	3
Boys-Rocket 5 1960	Travis Ogden	475	1				
Musio 1922	Bob Jensen	410	2	Pre 1926			
				Amrad 2634/2596 1923	Bob Slagle	480	1
Educational Display				A. C. Gilbert 4018 1922	Travis Ogden	435	2
Plastic In Radios	Merril Campbell	445	1	Federal B30 Ortho. 1925	Bill Dial	415	3
				Atwater Kent 20 1924	Jerry Waterman	350	
Homebrew							
Homebrew TRF ca 1923	Richard Kuberski	380	1				
				Speakers			
Metal Case				SAAL Symphony Grand 1923	Richard Kuberski	395	1
Raytheon GM114A ca 1960	Richard Kuberski	420	1	Atwater Kent H 1924	Jerry Waterman	260	2

Specialty - Novelty Radios

Radio Lamp Table-N 1939	Merril Campbell	445	1
Globe Horse 559 1948	David Boyle	435	2
Majestic Treasure Chest 381 1932	David Boyle	405	3
Philco 53-706 1953	David Boyle	405	
Guild Spice Chest 484 1956	David Boyle	390	
Arvin Hopalong Cassidy 1950	Marty Phillips	380	
Guild Town Crier 3890-T 1956	David Boyle	365	
McDonalds French Fry 1977	Bob Jensen	360	
Coca Cola Bottle 1976	Bob Jensen	360	
MCD Hamburger 1980's	Bob Jensen	360	
Heinz Ketchup 1980's	Bob Jensen	360	
Crosley Fantasy Book 1955	Jerry Tynan	350	
Guild Button & Bows 1964	Alexis Alexandridis	340	
Sonora Globe Navigator 1940	Gary Stone	340	
Ceramics of California RC-400 1965	Jerry Tynan	330	
Ballantine Whisky 8A-53B	Jerry Tynan	215	

Television

Zenith N1250-6 1966	Bill Harris	355	1
Starlite TV 8320 1980	Bill Harris	325	2

Test Equipment

Hoyt Rotary Meter 1922	Bob Jensen	450	1
George Voron VO-41 1954	Bill Dial	375	2
Philco Test Set 1969	Richard Kuberski	310	3
Simpson 260 VOKM 1959	Bill Grimm	305	

Tombstone

Universal Battery Co 7232 1935	Bill Harris	480	1
Airline 62-103 1933	Yuriy Yedidovich	430	2
Zenith 12-S-232 1938	Neil Gallensky	415	3
Philco 640 1936	Jerry Waterman	380	
Stewart Warner R1 2335A 1935	Jerry Tynan	360	
Airline 62-97 1933	Yuriy Yedidovich	355	

Transistor

Emerson 888 1957	Bill Dial	410	1
Silvertone 5214	Merril Campbell	410	2

Tube/Paris Display

Klystron Tube 45 1961	Bill Dial	430	1
-----------------------	-----------	-----	---

Wooden - Line Powered

Silver Circle 1937	Bob Slagle	450	1
Pilot H594 1938	Yuriy Yedidovich	410	2
Western Air Patrol 56 1937	Bill Dial	350	3
Arvin 6640 1948	Tom Zaczek	340	
St. Regis 392 1939	Tom Zaczek	335	
Philco 41-603 AMSW/RP 1941	Richard Kuberski	305	
Clarion WS645 1937	Tom Zaczek	305	
Firestone S-7403-S 1940	Merril Campbell	275	
Stewart Warner 62T16 1946	Alexis Alexandridis	245	

Best of Show - 2014

Neil Gallensky	Zenith 12-S-232 1938	2
Bob Slagle	Pilot Super Wasp 1932	2
Tom Poriot	Home Brew Wireless Set	1
Yuriy Yedidovich	Pilot H594 1938	1
Jerry Waterman	Atwater Kent 5090W 1934	1
Merril Campbell	Plastic In Radios	1

People's Choice - 2014

Neil Gallensky	Zenith 12-S-232 1938	4
Tom Zaczek	Motrola 68X11A 1950	1
Tom Zaczek	Amb 6540 1948	1
Bill Bisel	ARC-6 Command Set WWII 1941	1
Jerry Tynan	Ballantine Whisky 8A-53B	1
Bill Dial	Popular Mechanics Superhet 1925	1
Bill Dial	Emerson 888 1957	1
Jim Johnston	Plate 524 1985 48	1
Jerry Waterman	Atwater Kent 5090W 1934	1
Jerry Waterman	Amb 451-TL 1950	1
Merril Campbell	Stewart Warner 9010 1942	1
Richard Kuberski	Homebrew TRF ca 1923	1
Richard Kuberski	Atwater Kent 559 1934	1

Best Restoration - 2014

Neil Gallensky	Zenith 12-S-232 1938	5
Jerry Waterman	Atwater Kent 5090W 1934	1
Bill Dial Popular	Mechanics Superhet 1925	1
Tom Zaczek	General TV 534 1939	1

Best Educational Display - 2014

Merril Campbell	Plastic In Radios	7
Merril Campbell	Radio Lamp Table-N 1939	2
Bill Bisel	ARC-6 Command Set WWII 1943	2
Merril Campbell	Stewart Warner 9010 1942	1
Neil Gallensky	Zenith 12-S-232 1938 86	1

Here is a link to a YouTube video of the show. It runs 7:20.

<https://www.youtube.com/watch?v=8h5LE5QwHAg>

Photos from September 8th Meeting at the Miller Library in Castle Rock



Welcome new member
Ken Reid



Dana Cain talks about
Vintage Voltage



A full house



Merril Campbell talks about doing
patchwork on plastic radios



Barney Wooters has questions about one of
his vintage microphones



Dan Houfek with a vintage coherer



Bill Harris with ham radio receiver
Mosley CM1 from 1962



Barney's microphones



Yuriy Yedidovich demonstrates his fine
Silvertone 4788



Bill's Radio



Tom Pouliot with his homebuilt 3-tube
Regen receiver



Yuri's Radio



Tom auctions members radio



Tom's Radio



Dave running the meeting



The Open Trunk

Member submitted advertisements



WANTED: Buy/Sell/Trade: "Heavy Metal" communications gear, telegraph related items, vintage calculators & micro-phones.

Robert Baumann, 303-988-2089
HQ180A@aol.com. (07/09)

REPAIR SERVICE:

Radio repairs for club members. Reasonable rates. Good references.

Call David Boyle
303-681-3258 11/09

For Sale: by Dave Boyle

Most of the following instruments have been completely refurbished, repaired as needed, and calibrated

Most have manuals and test leads.

Prices are negotiable so please make an offer.

1) Eico Capacitor Tester, Model 950 , also tests for leakage and resistance. \$63.00

2) HP 608 F VHF Signal Generator, with scope cart, also spare special tubes, and manual. Free to a good home!

3) Eico 5inch oscilloscope, Model 425 Completely gone-thru, new hi-voltage caps, all out of spec parts replaced, **NEW CRT!**, etc. \$68.00

4) Eico "Professional" VTVM.6 inch wide meter. \$45.00

5) RCA Institute RF Signal Generator All standard frequency ranges and 400 Hz audio frequency too. \$30.00

6) Heathkit TV Alignment Generator, Model IG-52. \$25.00

7) HP 651 B Test Oscillator, rack mounting with manual. 10 Hz to 10 MHz.

Make offer!

8) Ballantine Labs. Model 321 VTVM.true RMS and p-p measurements. Rack mounting with manual. Make offer!

David Boyle, 303-681-3258

Philco Model 91 *complete working* radio chassis with two good speakers and a working tuning shadow meter! One 8 inch and one 12 inch. Call for negotiable price.

David Boyle, 303-681-3258 11/13

Wanted: 1920's Wooden Horn Speakers and a Crosley Musicone Speaker.

Also 1920's battery sets, especially Neutrodyne sets, Pre 1930 AC Radios and a

Crosley Widget Console Radio

Michael O'Leary 602-354-7011

moleary9@cox.net.

WANTED: To buy: 1948 Motorola 5A9B portable radio, Maroon color. Good condition only.

Dewey Reinhard 719-596-5516

deweyfly30@gmail.com

WANTED: Broadcast or recording mics, especially from 20's to 1950's.

Shirt pocket transistor radios, working or not.

NBC chimes, all eras.

Tom Keeton 303-797-8073

I have collected radios of all types for 30 years and now it is time to let them go to new homes.

Please call me for an appointment to see if any of them would fit in your collection.

I have tube radios including Tombstone, Cathedral, and Novelty etc.

I also have a large collection of transistor radios both shirt pocket and Novelty type.

Please call 303-238-1384
Thanks in advance,
Ron Smith

RADIOS4US@aol.com

Custom Embroidered CRC LOGO on Shirts and Hats

Only \$5.00 + Tax per Garment

- Choose the LOGO size - up to 3" high
- Choose the colors, up to four
- Include your name under the LOGO - a \$1 option
- Provide your own garment, or...
- Choose from a wide selection in a catalog; www.imprintswholesale.com

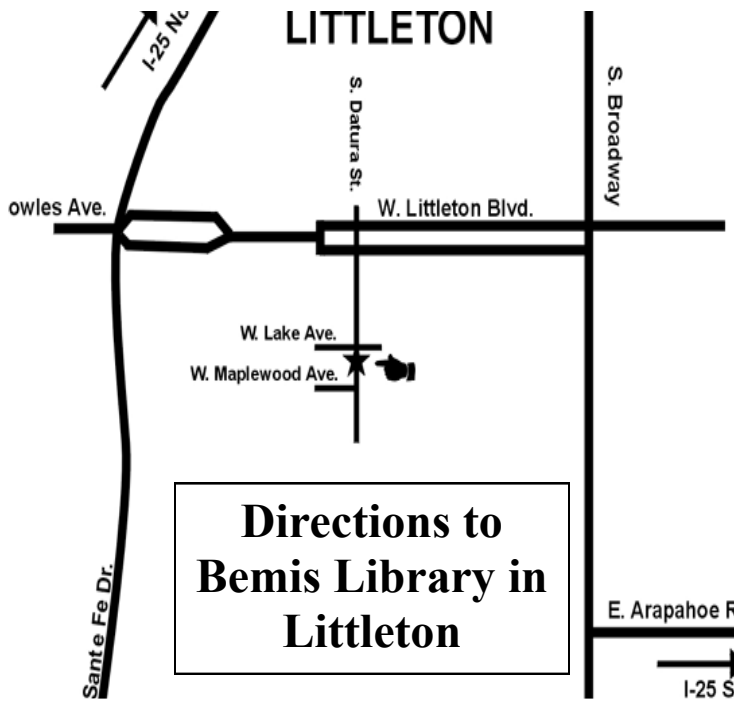
For orders, catalog prices and further info contact the seamstress directly.

Judy Houser
(303) 771-3577
Highlands Ranch, Colorado

Wanted/Needed

Articles for the Flash. Our well has run dry and we need your submissions. Don't be bashful, send in your article to Steve Touzalin—Information on the next page on how and where to submit your article. Thanks!!!!

The May 18th, 1:00 meeting will be at the Bemis Library in Littleton



Directions to Miller Library in Castle Rock

From I-25: Take the Plum Creek Parkway, exit #181.
Turn East onto Plum Creek Parkway.
Turn Left (North) onto S. Wilcox Street and continue north 2 tenths of a mile.
The Philip S. Miller Library is on the east side of the street at 100 S. Wilcox St.
The building is towards the back of the parking lot, past the Dairy Queen.



Colorado Radio Collectors
Antique Radio Club
417 S. Queen Cir.
Lakewood CO 80226

FIRST CLASS MAIL