

The Annual CRC Auction and Barbeque Sunday, September 15, 2024

This was the 18th time since 2005 that this event has been held in the outdoor grill and picnic pavilion area graciously provided by the Tectonic Management Group located in Wheat Ridge. (*This event was canceled in 2020 & 2021 due to Covid 19.*) Longtime CRC member Rich Kuberski has always volunteered to be the event coordinator and is the official liaison with Tectonic. We thank you Rich!

Rich opened the gate to the area around 8 am. Volunteers moved the picnic tables out from under the pavilion and cleaned them while other members started to bring in their items.

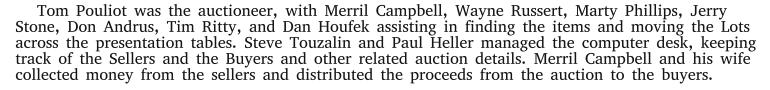




By 10:00 the place was a beehive of activity. Members continued bringing in their auction items and were socializing with others. The grill had been lit and the serving line preparations were made by Larry

Snyder. Don Andrus brought in the ice-cold sodas and setup that table. Bill Busch was the cook, as he has been for the last several years, but since he his arm in a sling due to a troublesome shoulder, Larry assisted him. While the 'cooks' were jointly flipping the burgers & hot dogs, Joan Snyder jumped in to

assist them; making sure the serving line trays were refilled with buns etc., when needed, to keep the line moving smoothly.



Jerry Stone produced a video during the auction and **accepted the role of Videographer** for the CRC. Many of the photos in this article are screen shots from his video, which can be seen in its entirety at by clicking on https://tinyurl.com/crcauction

It turned out to be a partially sunny day with pleasantly mild temperatures although it did drizzle at the very end; but the paying-up, loading-out, and the cleanup activities were unhampered.



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Newsletter for The Colorado Radio Collectors club, founded in the Fall of 1988.

"Dedicated to the preservation and education of wireless, antique radio, television and associated equipment."

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

CRC MEMBERSHIP: Current annual dues are \$20 and membership in the CRC runs from January to January. New memberships will be prorated to the following January. Members are entitled to attend meetings, participate in our Spring show and our Fall auction, and receive our newsletter, **The Flash!**. Submit dues payable to: **Merril Campbell - 4723 Woodbury Dr. - Colorado Springs, CO 80915**

UPCOMING EVENTS: Nov. 10th, 2024 CRC meeting - The Rocky Mountain Music Museum, 3535 S. Irving St, Englewood, Co 80110. Jan. 12th, 2025 CRC meeting - location TBD. March 9th, 2025 CRC meeting - location TBD. April 13th, 2025 - Vintage Voltage, Nat. Western Complex.

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MESSAGE FROM THE PRESIDENT



\$7040. 191 items. \$2444. Those are incredible numbers. Read more in the Flash to understand what they mean.

What an auction. It was a huge success. The volunteers (you know who you are) were essential to that. Thank you, each of you. No matter what job you did, large or small, it is very much appreciated. And to those who did not volunteer, please consider doing so in the future. Many of our club members have been doing the same job for years now and they are getting tired. I am

grateful that, each time I call on them, they step up. We are fortunate to have such members in our club. But we need others to take over some of these jobs.

The weather was perfect and attendance was high. The food was great. And those radios! Wow. If you missed it, check out Jerry's video. And yet, we have learned a few things as well that we need to do better or differently. We will discuss those in the our next meeting.

Our newsletter is reaching other clubs, just as theirs are reaching us. Thanks to Steve Touzalin for making that happen. It is fun to see a response from Tom Perera, W1TP. I have met Tom a few times. Once many years ago at the Vintage Computer Festival in New Jersey, where he let me touch and use an Enigma machine. He, his son Dan, and I sat at dinner together and their enigma rescue stories were amazing. And twice at the Ham Radio convention in Friedrichshafen, Germany, where he has a display every year. Tom is known worldwide as an expert on the Enigma machine. He's also a great ham. Check out his links featured in this issue for some great videos, and also the link to his website.

Our next meeting will be in a fun location. See the last page of this issue for location details. You won't want to miss this one, and be sure to bring along some show and tell items.

Paul

We are grateful for the all the many other club and family members that volunteered their time and efforts, from the planning stage, through the execution stage, to the final clean-up that made this auction and the barbeque the enormous success that it was!

We also thank Steve Ciotti, Jack Heavey, Paul Heller, Marty Phillips, Tom Ritty, and Wayne Russert for donating the proceeds from the sales of their radios to the club.

Auction Results

- 241 items were auctioned. 191 items sold and 43 items were "no sale".
- The sales totaled \$7040. \$4596 going to the sellers and \$2444 to the club.
- The \$2444 consists of \$529 from sales commissions & \$1920 from donated items.
- The total expenses for food, drinks, and other supplies was \$758.22.
- The net profit for the event was therefore \$1690.78. (\$2444 \$758.22)

- The 4 highest price items were:

\$775 Globe Radio - 1930's



\$700 Emerson 8LW-267A2 1941 Catalin

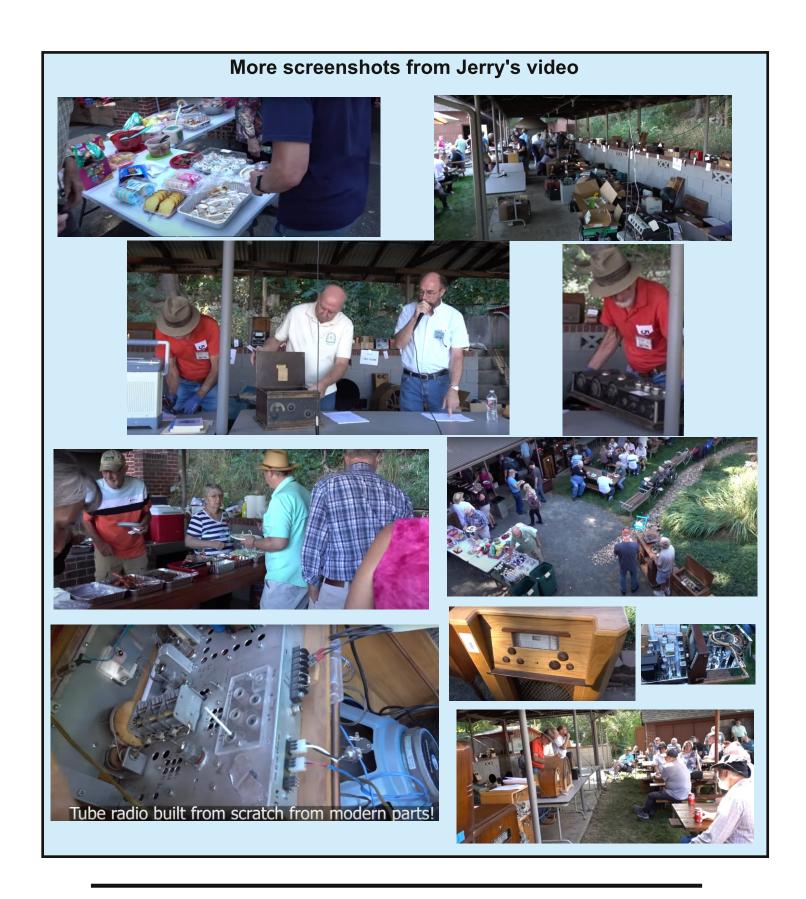


\$300 Zenith Model 12S265 Shutter dial





\$255 Westinghouse Type RC w/original box



Auction Sales Summary follows:

Lot Description	Minimum Bid	Hammer Price
01A tubes (Qty 15) 3 are marginal		\$55.00
16 Radio books/manuals	\$15.00	\$30.00
1940's PB Remote Control unit		\$5.00
1940's style AM/SW receiver		\$25.00
2 speakers		\$0.00
2-48 volt 5 amp regulated, current limited power supply		\$10.00
40 tubes, original boxes, mostly NOS		\$30.00
45 globe tubes (Qty 2) tests excellent		\$25.00
5 Ohm 8" PM speaker in cabinet		\$0.00
5 Tube Home Brew		\$5.00
5 VDC - 12 A Power supply - working		\$5.00
Admiral Radio-Phonograph Model 7rt41-N, both play well		\$5.00
Admiral/Monarch 5Z plaskon	\$7.00	\$45.00
Ael # TS1100A Transistor tester		\$10.00
Airline 04BR-566A portable 1940		\$5.00
Airline 62-361 AM/SW	\$20.00	\$20.00
Airline 62-68 Console - Balloon Tubes		\$0.00
Airline 84BR-1517A - looks complete		\$5.00
AK 92 w/Model 84 chassis	\$75.00	\$90.00
AK Model L Speaker 1925 - w/orig. reproducer 'still works'		\$30.00
Amprobe AC ammeter RS-3 8119826 (pre-1983)		\$5.00
AT&T Power Supply		\$0.00
Atwater 465 Q Tombstone, 1934 - BC, SW, Police - restored		\$130.00
Atwater Kent 37 early version w/"Sailing Ship" 1927 restored		\$10.00
Atwater Kent Model 20 NT		\$30.00
Atwater Kent Model 35		\$20.00
Atwater Kent Model 40		\$20.00
Atwater Kent Type E speaker		\$85.00

Lot Description	Minimum Bid	Hammer Price
B&W Distortion Meter Model 1410		\$5.00
Bag of 100+ knobs, mostly bakelite, some wood		\$50.00
Bext FM exciter 10 watt synthesized		\$10.00
Bird 4kw attenuator 1gHz oil filled, air cooled		\$0.00
Bosch Model 28 8 tubes 1928		\$0.00
Bose AM/FM	\$15.00	\$15.00
Box - misc parts		\$20.00
Box Lot: Tubes, Rf Mod., Simpson meter, Elec. Kit	\$8.00	\$15.00
Box misc - books, headphones, speakers		\$45.00
Box misc Headphones		\$5.00
Box Misc Items		\$5.00
Box of 34 tubes, 1920's-30's, 01A, Cunningham, 24-80, Eye tubes		\$40.00
Box of 5 Tube portables		\$0.00
Box of 9 transistor radios		\$0.00
Box of Asst'd parts #5		\$5.00
Box of Asst'd Parts (#1)		\$10.00
Box of Asst'd Parts (#2)		\$15.00
Box of Asst'd Parts (#3)		\$10.00
Box of Asst'd Parts (#4)		\$30.00
Box of misc transistors		\$50.00
Box of radio items		\$15.00
Box of SAMS PHOTOFACT books - Auto Radio		\$30.00
Box of SAMS PHOTOFACT books - Transistor Radio & misc		\$5.00
Box of Tubes - 1930's		\$0.00
Box w/3 radios - S.W. A61P3, Zen G500, Zen 6G001		\$5.00
Box-3 items - Ademco325 VO&Db Meter, 3.2ohm headset, Hyot DC-VM		\$5.00
Brandes Superior Matched Tone headphones, 1919-1921 untetsed		\$10.00
Cathedral Speaker		\$5.00

Lot Description	Minimum Bid	Hammer Price
Coca-Cola Bottle Radio - with box & pamphlets - transistor		\$10.00
CONAR Instruments tube tester		\$15.00
Cromwell radio #1010	\$25.00	\$55.00
Crosley 51		\$70.00
Crosley 52 Super Deluxe 1925		\$10.00
Crosley Super Trirdyn 1925		\$25.00
Detrola Tombstone radio		\$50.00
Dielectric wattmeter 1000A		\$50.00
Digimax frequency counter D150 1gHz (1983)		\$5.00
Dynamic #350 TV Tester		\$5.00
Echo-phone AM/SW commercial radio - works		\$20.00
Echophone EC1A SW		\$0.00
Eico #147A signal chaser		\$20.00
Eico 324 RF Signal Generator LF through HF (1961)		\$5.00
Emerson 705 Tube portable		\$5.00
Emerson 8LW-267A2 1941 Catalin	\$500.00	\$700.00
Epsco Sweep Generator Model SG-132-A		\$0.00
Fada Model 246 - Bakelite, 1937		\$0.00
Flike True RMS Multimeter		\$20.00
Freeman "Masterpiece" - restored		\$30.00
GE Custom MVP transceiver		\$0.00
GE H-600U 1939 works, broken dial		\$10.00
GE mobile transceiver, UHF		\$0.00
GE Tube caddy - full	\$25.00	\$65.00
General Electric J62		\$40.00
General Radio 916a bridge to 60 mc SN2401		\$0.00
Globe Radio - 1930's	\$100.00	\$775.00
Globe Tubes - Qty 16	\$20.00	\$20.00

Lot Description	Minimum Bid	Hammer Price
Globe Tubes - Qty 22	\$25.00	\$35.00
Guild "Spice Chest" Model 484 - Novelty		\$40.00
Guild "Tea Kettle Trivet" Model 806 - Novelty		\$90.00
Hallicrafters 2-40A		\$5.00
Hallicrafters 5R42		\$0.00
Hallicrafters S118 receiver		\$10.00
Hallicrafters S36A, just post WWII, 14 tubes, 3 bands 27.8-143MHz		\$35.00
Hallicrafters S-38C radio - works		\$5.00
Hallicrafters S-40A		\$10.00
Hallicrafters SX 25		\$0.00
Hallicrafters TW1000 portable receiver		\$30.00
Heath Kit Isolation Transformer Model IT-1		\$20.00
Heath Kit Marine radio		\$0.00
Heath Kit signal generator		\$5.00
Heath Kit VTVM Model IM-11		\$5.00
Hickok 6000 tube tester (works fine)		\$130.00
Hickok 6000 tube yester (Bad meter movement)		\$20.00
Hickok Model 605, lots of adapters and probes		\$45.00
Hickok Model AC51 tube tester 1936 needs repair		\$5.00
Home Brew crystal set		\$35.00
Home Brew TRF w/tubes		\$20.00
Horn speaker - Jewett Super Speaker 1925	\$50.00	\$95.00
Horn speaker on brake hub (unknown)		\$10.00
Horn speaker on pulley (unknown)		\$0.00
Hotel Coin Op radio, metal		\$25.00
HOWE crystal radio		\$55.00
HP Oscilloscope T922		\$5.00
Ideal Radiophone RT800	\$35.00	\$35.00

Lot Description	Minimum Bid	Hammer Price
Jefferson Toy Transformer, Model 3		\$0.00
Kenwood function generator		\$5.00
Kenwood Model KA-2000 Solid State Stereo Amplifier		\$5.00
Loose coupler & Tuner		\$5.00
Lot of 3 electrodynamic speakers		\$5.00
Majestic 330 Console - repaired by B. Wooters		\$0.00
Mantola R6621V portable 1948		\$5.00
Mirror-Tone Deluxe & GE transistor		\$25.00
Misc parts - box		\$20.00
Misc transformers		\$10.00
Montgonery Wards tombstone		\$15.00
Motorola Tube potable 5J1U		\$40.00
Murdoc Model 200 3 dialer w/horn 1925	\$100.00	\$100.00
National SW Converter		\$5.00
Navy ANSSR 13A - w/bag of parts		\$10.00
Neutrowond - Model ?? Year ??	\$100.00	\$250.00
old speaker (unknown)		\$5.00
Packard Bell 5FP 1946 works, 60 Hz hun		\$45.00
Pair of RCA 100A speakers		\$20.00
Parkay 7 tube battery set		\$25.00
Philco 37-610 5 tube, 3 Band, all original		\$0.00
Philco 37-630 Code 122 5 tube 3 Band, all original		\$0.00
Philco 38-12 Everthing is there, needs restoration		\$5.00
Philco 38-4 console (loose chassis & more)		\$5.00
Philco 38-40 Table 1938		\$5.00
Philco 40-155, re-capped, a project but all there		\$5.00
Philco 46-1201 not/restored		\$0.00
Philco 49-602 1949 portable	\$15.00	\$30.00

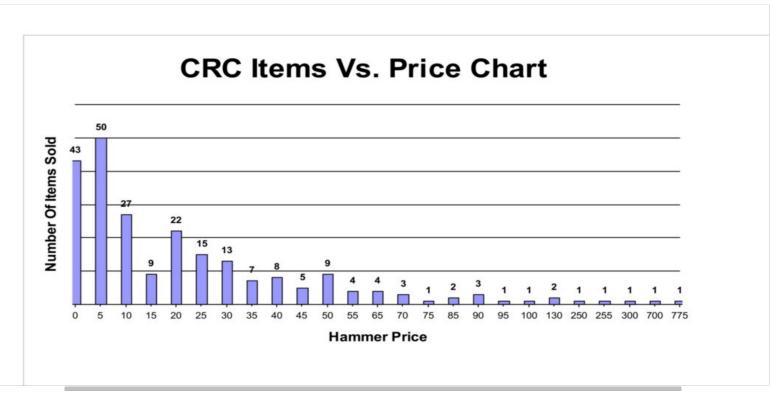
Lot Description	Minimum Bid	Hammer Price
Philco 623 Tombstone, 1935 - BC, SW, Police - restored		\$50.00
Philco 66 code 121 Tombstone, 1935 - BC,SW - restored		\$50.00
Philco 70		\$30.00
Philco 70 Cathedral (1931)		\$0.00
Philco 70 chassis		\$25.00
Philco 90	\$60.00	\$70.00
Philco 91 chassis - works		\$5.00
Philco D591-128		\$35.00
Philco Junior - Model 80?		\$40.00
Philco Model 86 Neutrodyne Plus 8 tube 1929 all original		\$0.00
Phillips 70 - works		\$65.00
Pilot T601 FM Tuner		\$10.00
Pioneer TX7500 Stereo receiver		\$5.00
Potomac Instr. FIM-21 AM FS Meter SN 495 (2005)		\$15.00
Potomac Instr. RX-31 RF detector/receiver SN 312		\$0.00
Potomac Instr. SD-31 RF Synthesizer SN 320		\$5.00
Precision # 3357 Tube Tester		\$10.00
Precision Apparatus Model 612 Tube Tester, 1947 - restored		\$25.00
Precision Meter - wooden case		\$0.00
Precision Model EV10 VTVM	\$20.00	\$20.00
Prototype 1940's style AM/SW receiver (2007)		\$50.00
Pyramid Series Power Supply		\$5.00
Radiola 16 with tubes		\$20.00
Radiola 17		\$25.00
Radiola 18 w/tubes		\$0.00
Radiola III 1924	\$40.00	\$40.00
Radiola III - NT w/manual		\$25.00
RCA 100-A speaker		\$5.00

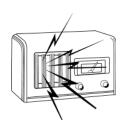
Lot Description	Minimum Bid	Hammer Price
RCA B411 Tube portable		\$20.00
RCA oscilloscope #5445	\$20.00	\$20.00
RCA Radiola 18, 1928 7 tubes, TRF, gang tuner frozen		\$10.00
RCA Tube 8BX6 & Transistor 1T5J		\$0.00
RCA Tube caddy - full	\$20.00	\$20.00
RCA Tube potable 54B5		\$25.00
RCA Victor 2-X-61 & 2-X-62 (2 radios) 1952		\$0.00
RCA Victor 45X11		\$35.00
RCA Victor 65X1 1946	\$20.00	\$30.00
RCA Victor BP10 (2)	\$15.00	\$15.00
Riders Manuals - Vol XI-XX (1940-1950)		\$0.00
Riders manuals (master index)		\$5.00
Rohde & Swarz Model F300 Spectrum Analyzer		\$90.00
Ross Electric RE-2000 portable		\$5.00
Saxony Tube portable		\$10.00
Scott 800-B AM/FM/SW/Phono console 1947		\$10.00
Scott Laureate Console (1939)		\$0.00
Scott Phantom Console (1939)		\$0.00
Seco Tube Tester - Tubes 0Y4 to 117Z6, 36 sockets		\$20.00
Sencore high accuracy analog multimeter		\$10.00
Sentinal 286PR Treasure Chest	\$10.00	\$25.00
Serenado (Model unknown) 1925		\$10.00
Shasta #301-A Oscillator		\$10.00
Siemens SB391 GWL - Foriegn 220V set		\$0.00
Silvertone bakelite desk radio		\$40.00
Silvertone Blonde Wood AM radio		\$0.00
Silvertone Model 7226 AM/SW (works) early 50's		\$0.00
Sparton console 1940?		\$0.00

Lot Description	Minimum Bid	Hammer Price
Stewart Warner Model R-108 1933		\$75.00
Talking House Transmitter	\$25.00	\$65.00
Tektronix C-5C scope camera for Tek 496 SN BO 10454		\$5.00
Tektronix C-5C scope camera for Tek 496 SN BO 37135		\$5.00
Tektronix Model 2213 scope (1983)		\$5.00
Tektronix Model 496 Spectrum Analyzer (used 1994)		\$85.00
Telephone w/2 boxes		\$40.00
Transistor Radios - Qty 42	\$20.00	\$25.00
Travler 5028A - Snake Skin	\$20.00	\$35.00
Triplett 4800 multimeter	\$15.00	\$15.00
Tubes - Box #132		\$30.00
Tubes - Box #231		\$25.00
Wall Telephone (w/wooden box)		\$70.00
Wards Console Radio/Stereo/Record Player 1950's		\$0.00
Wards Riverside Auto/Potable AP64M		\$10.00
Wavetek 1002 500 mHz sweep oscillator SN 289265		\$10.00
Wavetek 166 50MHz pulse/function generator	\$20.00	\$20.00
Wavetek LCR 55		\$25.00
Webster Wire Recorder, Model 81-1, Electronic memory, wire wheels		\$20.00
Western Royal - no model #, good shape		\$5.00
Westingate radio, good tubes, 2 open coils		\$0.00
Westinghouse Type RC w/original box		\$255.00
Working AM Transmitter		\$55.00
Zenith 3000-1 works		\$50.00
Zenith 5F05 AA5 1962 - looks intact		\$5.00
Zenith 6S147 Chairside (Zephyr)		\$0.00
Zenith 6S-341Chairside (Stars-Bars)		\$0.00
Zenith A-600 portable		\$45.00

Lot Description	Minimum Bid	Hammer Price
Zenith A600 Trans.		\$5.00
Zenith AM clock radio - works		\$30.00
Zenith H500 Trans.		\$10.00
Zenith H511 "Racetrack" 1951	\$50.00	\$50.00
Zenith H615W AM (white)	\$10.00	\$20.00
Zenith Model 12S265 Shutterdial console 1938	\$250.00	\$300.00
Zenith Model 4G800Y (antenna In cover) AC-DC, works		\$0.00
Zenith Model R615G AC-DC 117v, 6 tubes works vg	\$65.00	\$65.00
Zenith Wave Magnet		\$5.00
Zenith Wave Magnet		\$10.00

Total Sales: \$7,040.00 CRC Commission: \$529.00 Donations: 1,915.00





The Latest CRC Club News



The September 8, 2024, club meeting was held in The Douglas County Library located in Castle Rock. Paul Heller called the meeting to order and welcomed the 23 attendees. Some members arrived a little late because the library parking lot was extremely full due to a Fall Festival was being held nearby.

The "Great Radio Giveaway" of Larry Weide's radio collection that club members Wayne Russert and others had been keeping in "temporary" storage for many months was held on two consecutive Saturdays, August 3rd and 10th in Wayne Russert's 'Dear Trail Ranch' barn in Castle Rock. Photos of the radios were available on the club website for previewing and reserving desired pieces in advance. The vast majority of the giveaway items were picked up, or reserved, by late in the day on August 3. On August 10th the remaining reserved items were picked up. Only 4 nice consoles, some loose speakers, and a few small misc. pieces were all that remained. These 4 remaining consoles were picked-up on Aug. 28, 2024, by Gordon Close, president of the *Rocky Mountain Music Museum*. Some of you may remember we had a meeting in this museum on November 11, 2018. It was named *Melody Music and Elite Sound* back then. It is found near the SW corner of Federal & 285. See Vol. 29-5 of the Flash for the site map which is also at the end of this Flash and Vol. 30-1 for photos of that meeting inside the museum.

A very special thanks to Wayne Russert, and the several other club members, for storing the many items and providing donuts and lemonade to attendees of the Giveaway. And also, to Paul Heller for managing the online advance reservation system.

Letters to the Editor

In the previous edition of the Flash, Vol. 34-5, Don Andrus had written an article describing how the German Enigma machines worked. This article sparked a Letter-to-the-Editor so to speak; actually, it was an email, but you get the idea. Anyway, the email was from Tom Perera Ph.D., it read in part..

Greg Van Beek has been forwarding your newsletter to some of us in the New New England Vintage Electronics Club and I wonder whether you could fit in this classified that might be of interest to some of your members especially after you published the article on Enigma machines.

We decided to place Tom Perera's information here, in the club news section instead of in the classified ads, so there was space to write a lead-in to his material and site links.

It is heart-warming to know that our newsletter gets shared with other clubs; and they in-turn share it with other clubs, and other people.

Tom Perera Ph. D. Professor Emeritus: MSU

Email: Tom@EnigmaMuseum.com

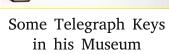
Emigma Museum: www.EmigmaMuseum.com Telegraph/Scientific Museum: TomPerera.com











He also offered links to the following recordings of his talks on Enigmas and telegraph keys. Inside Enigma: History, Technology and Cracking the Secret German Enigma Codes of WWII http://EnigmaMuseum.com/temp/InsideEnigma112122.mp4

The History and Current Values of Telegraph Keys:

http://w1tp.com/temp/HistoryOfTelegraphKeysPerera21s.mp4

Show and Tell

Marty Phillips brought in a shiny chrome-plated 1939 Scott Lab Phantom chassis and power supply that he will bring to the upcoming auction. (Oops! no photo available)

Don Houfek brought in a box of Majestic & other tubes and a TV related device that he was seeking more information on. There was speculation that it may be part of a TV motor control.





Merril Campbell brought in an Meck 5C5 radio and explained how he found an image of the missing tube layout paper for the bottom of the set on the Antique Radios Facebook page. He used hairspray to age the paper once he printed it out.



Mike Cook discussed his Atwater Kent Model 1 breadboard radio

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After Show & Tell Bill Kohl, Bill Lettlow, and Marty Phillips were invited by Paul Heller to stand up and talk about their backgrounds, how they became interested in radios, and other hobbies that they have, etc. This was a very informative way to spend some time getting to know a little more about our fellow club members.

The Raffle Table

The raffle table held the usual fare of radios, including transistors and a couple of fixer-uppers, several nice meters, many technical books, and a variety of related paraphernalia.



















Classified

Ads



Ads are free for CRC members. To place an ad send your ad description along with personal contact information to Steve at **stevetou@comcast.net** or Larry at **Lsnyder200@cs.com**.

FOR SALE: New old stock & quality used vacuum tubes. Please refer to my business card pictured to the right. Thank you! Sean Duffy (573) 999-6187 acmetubesupply@gmail.com



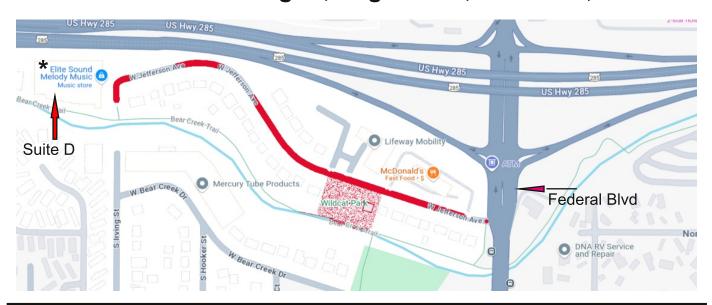
WANTED: Aricles and other material for the Flash newsletter. Please contact Steve or Larry. **Thank you**.

stevetou@comcast.net

Lsnyder200@cs.com

A special CRC Meeting, November 10th, at The Rocky Mountain Music Museum,

located at 3535 S. Irving St, Englewood, CO 80110, at 1 PM.



Directions:

Special note from Gordon: Get to W. Hampden (285) and S. Federal intersection. There is a McDonalds right there, turn up that street west, go thru some houses and a business into a culde-sac facing Tice Electric and a skate park, go to the left around to rear of building and enter through door with a guitar neck on it. Park at an angle against fence and we can get more cars there. If not park in front and walk back...sorry!