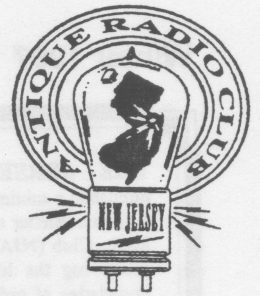


# The Jersey Broadcaster

NEWSLETTER OF THE NEW JERSEY ANTIQUE RADIO CLUB

Winter 1997

Volume 3 Issue 1



## MEETING/ ACTIVITY NOTES

Reported by Marv Beeferman

Thanks to all who took part in making our annual holiday party another successful event. The elements of the equation are simple and the results always predictable: good food + good friends + people willing to share their enthusiasm = "a good time had by all." Special thanks to Marsha and Jerry Simkin for preparing the accompaniments to our six-foot subs. Ruth Whartenby and Edith Chase for their wonderful cakes and cookies, all those who generously contributed to our bountiful tables and those members who brought in show-and-tell items.

Please start making plans for our indoor swapmeet on March 1st at the Hightstown Country Club. Rates are \$20 per table for non-members and \$15 for NJARC members. Overflow vendors may purchase outdoor tables for \$15 (\$12 for members) but these deposits will not be refunded due to bad weather. The event will run from 8 AM to 1 PM with vendor set up at 7 AM...no early admittance for buyers. This year, vendors and club members involved in setting up will be identified with badges; all others will not be admitted to the ballroom until 8 AM so plan your arrival accordingly. Early reservations may be made with Marv Beeferman (2265 Emerald Park Drive, Forked River N.J., 08731/609-693-9430) by mail. If you enclose a self-addressed, stamped envelope with your check, table confirmation will be provided. It would also be greatly appreciated if you mention whether or not you will bring your own table. Phone reservations will be honored but if payment is not received one week prior to the meet, your indoor table/space will be forfeited.



## MEETING NOTICE

The next meeting of NJARC will take place on Friday, January 10, 1997 at 7:30 PM at the Grace Lutheran Church, corner of Route 33 and Main Street in Freehold. Contact Marv Beeferman at (609)-693-9430 or Jim Whartenby at (908)-271-7701 for directions. This month's technical program will feature an exclusive showing of a 16mm film describing the introduction of 45 RPM record players and records presented by Phil Vourtsis. Plans for our upcoming March 1st indoor swapmeet will also be finalized; our January meeting will provide members the opportunity to make their reservations early since indoor spaces are limited and usually sold out two weeks prior to the meet.

A few days after the December newsletter mailing, I received four copies that were returned for missing address labels. I check all newsletters a second time prior to mailing so it appears that the labels fell off during handling. I apologize for the problem and would appreciate a call or note from anyone who did not receive the December issue so I can send them a copy.

## THE PRESIDENT'S COLUMN

### SURPLUS REDEFINED

Years ago, when I was about 14 and had a 35 customer paper route, I started a friendship with Phil Fish. He was self employed as a supplier of extension cords drop lights and such for garages and service stations and he was one of my paper customers. Anyway, Phil took me under his wing and encouraged me in my budding interest in electricity. Phil was a native New Yorker and on one Saturday in early September he took me to Radio Row, probably a year or two before the work started on the World Trade Towers.

Imagine the excitement felt by a 14 year old with money in his pocket, seeing store after store loaded with military surplus radios, radar subassemblies and endless black boxes the purpose of which was long forgotten! I remember seeing war surplus equipment spilling out of the store front and onto the stoop. So many stores, so much equipment,

how could you make up your mind and choose one piece to take home and spend many happy hours disassembling?

Well here we are 35 years later, and I still feel the same excitement. In fact, when Ruth and I travel, I always check the local phone book under surplus or salvage for new places to explore. But military surplus like I experienced as a kid doesn't exist anymore. The surplus is mostly commercial or industrial and finding stores that specialize in this is getting to be difficult. I told you about my visit to Fair Radio Sales in my last column and in retrospect this is probably the closest to what I remember of Radio Row. If you ever get a chance to visit Lima, Ohio do yourself a favor and visit. You will have a ball.

For those of you who don't want to drive the 12 hours to get to western Ohio, then a two or so hour drive north will take you to PD Surplus in Kingston, New York. I have fond memories freezing my buns off in their unheated "show rooms" (why is it so cold when I go there?) dusting off strange shapes in search of buried treasure. For those of you who have gone there you know that this is no stretch of the imagination, it is that dusty, the shelves are deep and low to the floor. PD has a good selection of power transformers and power supplies. Other odds and ends are crystals, switches, wire, plastic sheet glass in all colors, old industrial equipment, electrolytic capacitors by the ton and lots more and always something different.

I am happy to report that Orlando, Florida has produced something exciting that has nothing to do with Disney. I am referring to (Continued on page 7)

**THE JERSEY BROADCASTER,**

published a minimum of ten times each year, is the newsletter of the New Jersey Antique Radio Club (NJARC) which is dedicated to preserving the history and enhancing the knowledge of radio and related disciplines with special emphasis on contributions made by the state of New Jersey. Dues are \$15 per year and meetings are held the second Friday of each month at the Grace Lutheran Church, corner of Route 33 and Main Street in Freehold N.J.

Submissions are welcome in typewritten or diskette (5-1/4" or 3-1/2") form with formats in ASCII, WordPerfect, Word, etc. Photos in high contrast black and white are appreciated but color photos are acceptable. The Editor or NJARC is not liable for any buying and selling transactions or for any other use of the contents of this publication.

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**RESTORING WEAK  
MAGNETS****By D.K. Owens**

*Last month's "Broadcaster" promised a method for restoring headphone magnets that may not succumb to traditional magnetizing methods. The described device also applies to speaker magnets and telephone magnetos. The article first appeared in Vol. 33, No. 3 of "The Old Timer's Bulletin" and appreciation is given for allowing its publication. The cautions noted in the article are well-advised!...Ed*

Permanent magnets lose strength with time, owing to the demagnetizing influence of the earth's magnetic field and stray fields from wiring and appliances. Although the loss is very gradual, in 60-70 years it can be considerable. Magnetic alloys available in the 1920s weren't very good to begin with, so don't be surprised if your old headphones or horn speakers are weak and insensitive. More than half a century of exposure to stray magnetic fields has taken its toll.

A magnet can be "recharged" by exposure to a large magnetic impulse of short duration. The effect of "recharging" the magnets on the performance of an old horn speaker can be spectacular. The circuit described here uses a capacitor bank discharging through a coil to generate the magnetic impulse.

**SAFETY PRECAUTIONS**

The energy E, in joules, of a capacitor of C farads charged to voltage V is given by  $E = 1/2 CV^2$ . Because the stored energy is dependent much more on voltage than

on capacity, you may be tempted to use smaller capacitors charged to higher voltages. *Don't do it!* I consider 50 V the limit for personal safety.

A capacitor bank as large as this one packs an enormous wallop. Don't discharge the bank with a screwdriver, and don't even come near it while wearing rings or a metal watch band. If you accidentally short the charged bank, you can get burned badly.

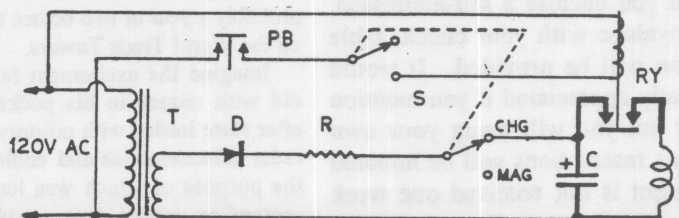
**CIRCUIT DESCRIPTION**

The circuit is shown in the figure below. T is any small transformer delivering about 30 V at 0.5-1.0 A. Mine has two 16-V secondaries wired in series. D is a 3-A, 100-PIV diode, and R is 10 ohms WW. R limits the charging current to protect the diode and transformer. PB is a small momentary NO pushbutton switch and S is a DPDT toggle switch. There is no switch in the primary circuit--just unplug when finished. I built my unit on a board for simplicity.

C consists of four 50,000- $\mu$ F 50-V computer capacitors wired in parallel for a total of 0.2 farad (!). Use whatever combination of capacitors you can obtain to get the approximate capacitance; it doesn't have to be exactly 0.2 F.

RY cannot be an ordinary relay. It must be fast-acting to handle high instantaneous current. A motor-starting contactor is ideal. Mine has two poles with a rating of 25 A, 240 V continuous each. The poles are wired in parallel. The contactor coil is 120 VAC to simplify matters. A 12- or 24-V coil would require another transformer.

L is made by winding 24 turns of 16-ga enameled magnet wire on a 5/8" wood dowel. Make three layers of eight turns each. Slip the coil off the form and tape it to hold the turns in place. This coil will





be approximately 3/4" thick and 1/2" long.

Connect the capacitors, contactor and coil with 12-ga solid house wire (heavy lines in the diagram). Be careful of polarity, and position the parts to make this wiring as short as possible. The resistance (and inductance) in this part of the circuit must be very low to get short pulses. Make all connections with bolts or crimp connectors; solder or wire nuts have too much resistance. Be sure to insulate the capacitor terminals and other connections to prevent accidental contact. Mount the coil with its axis parallel to the board and an inch or so above it. Attach the 12-ga wire as close to the coil as possible to minimize the amount of 16-ga wire in the circuit. The rest of the wiring can be ordinary hookup wiring.

Mark your magnet before removing it, so you can replace it in its original position. Speaker and headphone cords have one lead marked with a tracer. This lead should always go to B+ so that, when used with sets which pass DC plate current through the reproducer, the direction of current flow will reinforce the magnetism. Reversing the current flow has a demagnetizing effect.

After removing the magnet, determine its polarity using a compass or another magnet of known polarity. By definition, the north-seeking end of a compass needle is the north pole and will be attracted to the south pole of your magnet. Mark your magnet to identify this pole. Now look at both ends of your coil. The end where the direction of winding appears to run in a clockwise spiral will be the south pole when connected to the negative side of the capacitor bank. If in doubt, magnetize a screwdriver and check it with the compass. You want to reinforce the original magnetization, not reverse it.

Insert your magnet into the coil with its south pole emerging from the south pole of the coil, and put a piece of scrap iron across the poles of the magnet to complete the magnetic circuit. Plug in the unit and move the toggle switch to the "charge" position. Charging takes two or three minutes. Move the toggle switch to the "Magnetize" position and press the push-button to actuate the contactor. I repeat the process once. More than two cycles does not seem to give further improvement.

The size of the magnetic pulse can be appreciated from a few calculations. This

circuit charges C to about 45 V. Using the energy equation,  $E = [0.2 \times 45^2]$  or 202 joules. The quantity of charge  $Q = CV = 0.2 \times 45 = 9$  coulombs. The discharge time measured by an oscilloscope was 0.006 seconds. Since 1 ampere = 1 coulomb/second, 9 coulombs flowing in 0.006 sec is a current of 1500 amperes!

## HEADPHONE MANUFACTURERS LIST (CONTINUED)

*The following is a continuation of the list of headphone manufacturer's compiled by Ludwell Sibley which began in the December "Broadcaster." The list was originally a part of an article titled "The Ultimate List of Headsets" which appeared in the February 1992 edition (Vol. 32, No. 4) of "The Old Timer's Bulletin"...Ed.*

M (MESCO)  
MacKay Radio 3K  
Magnus Electric and Radio Mfg. Corp., New York  
Majestic  
Manhattan Electrical Supply Co.  
MESCO 2500 2K (\*)  
MESCO 2501 3K  
Red Seal 2.5K  
Marinette Electric Corp., Blue Streak (\*)  
Marinette Electric Corp., Marinette, Wisc., Little Tattler (bakelite or alum.) 1.5K (also see Tower)  
D. W. May Inc., W B S Phone  
A. P. Merchant Co., Boston, Ben Franklin 3K  
Meteor 2K (also see Sears Roebuck Co.)  
Metro (\*) - see Pal  
Miller (\*)  
Monarch Tel. Mfg. Co.  
Montgomery Ward, Airline Special  
Moretone Radio Co., Chicago, Moretone 3K  
Moss-Schury Mfg. Co., Detroit, Repeater 2.4K  
Murdock  
#55 3K  
#56 "1000" and "1500" Special 3K (watchcase) 100  $\Omega$   
Type P-23, CAATC No. 1200  
Type R-14, Signal Corps, U. S. Army 1K

Wm. J. Murdock Co.  
(plain, two sizes)  
H-58/U  
HS-16 100  $\Omega$   
Chelsea, Mass. (watchcase) 100  $\Omega$   
Music Master Co., Phila. (\*)  
National (\*) - see Holtzer-Cabot  
Navy Ordnance Supply Co., Navy MIMXXIV 250  $\Omega$   
Nerco - see Newark  
Newark Eng. and Tool Co., Nerco Phone 2.2K  
Neufeld & Kuhake, Kiel, Germany 6K  
Model "D"  
Newcomb Audio Products Co., Newcomb 500  $\Omega$   
Newton Pressed Steel & Mfg. Co., New-Tone  
Newton Pressed Steel & Mfg. Co. Newton, Mass., Superette 1.5K  
New Yorker - see Wayland  
N & K - see Goldschmidt  
No Name  
Pat'd 9/2/1884 75  $\Omega$   
Made in France 2K  
Made in Germany (stamped in headband)(large nickel-ed case)  
Made in Japan (WW II) 2K  
Model 2P 2K  
Shaft from band goes through ball on case  
The Rex (also see Trimm)  
10 A B W/2, metal band with ball socket  
No. 29 (black) single  
No. 560 single 2K  
1000 (nickel) single  
Ohio Radio Mfg. Co., Cleve. (\*)  
Omega  
Orator Radio Corp., Washington, DC (\*)  
NRI, Made Expressly for (single) 1K (also see C. Brandes)  
Pacent Electric Co., New York, Everytone 2.2K and 3K (\*)  
Pal Sales Corp., Jersey City, NJ, Metro (\*)  
PAL  
(nickel-plated)  
(brass, painted black)  
(trademark) 500  $\Omega$   
Peerless - see United  
Penberthy Injector Co., Pico Made in Detroit 2.2K 4K (\*)  
Pennsylvania - see Hamburg  
Penn Headset Co. (\*)  
Perfectone (\*) - see Teleradio  
Philmore (plain)  
Philmore Mfg. Co., New York, Pure-Tone  
Wonderphone (\*)  
Pico - see Penberthy  
Ports Radio Mfg. Co, Fresno, CA, Prmco (\*)  
S. A. Potter Tool & Machine Works, New York, Precision

"Precision Phones for Precision Hearing," Chicago 300  $\Omega$   
 Premier  
 Premier Electric Co., Chicago, Litewate (\*)  
 Professional - see Trimm  
 Quality (\*) - see Kodel  
 Racon, New York City, Coherer 33.5K @ 1 kHz  
 Radio Industries Corp., NY, Rico  
 Radioceive Mfg. Co., Newark  
 Radiocraft Hi Power  
 Radiogem Corp., NYC, "Gem-phone" 1K single (\*) (wood case, kit)  
 Radiotive Corp., Brooklyn, Silken Voice (\*)  
 Radio Receptor Co., Type E  
 Radio Receptor Co., RR Co. Type K  
 Radio Speakers, Inc. R-14 2K  
 Receiver R-16, Signal Corps, U. S. Army  
 Radio Summit Products Inc.  
 Radio Supply Co., Hornell, NY, Clarion (\*)  
 Radio Telephone & Telegraph Co., N. Y., Kismet (\*)  
 Randolph Radio Corp., Chicago, Special 3K  
 RASCO (\*)  
 RCA (single)  
 RCA 1.5K  
 Red Head (\*) - see Manhattan  
 Red Seal 2.4K  
 Repeater - see Moss-Schury  
 Rex Radio Works, Chi., Excello  
 The Rex (also see Trimm)  
 Rheem, Made in Japan 750  $\Omega$   
 Rico (\*) - see Radio Industries  
 Rico Tripole (also see Tri Pole)  
 RMCA  
 Rola ANB H-1  
 Roller-Smith Co., New York, Universal  
 Roller-Smith, Universal B 2K  
 Royal Electrical Laboratories, Newark, Royalfone 2.2K  
 Royal Electrical Laboratories, Royalfone Special  
 Roycraft - see Auth  
 RR Co. - see Radio Receptor  
 Samson (watch-case) 100  $\Omega$   
 Schwarze Electric Co., Adrian, MI, 2K and 3K  
 Scientific Electric Works, The Scientific  
 Sears Standard Quality 2K  
 Sears Roebuck and Co. Meteor  
 WLS  
 Seco (\*) - see Spielman  
 Shure Bros., Receiver ANB H-1  
 Siemens, London (BBC Stamp)  
 The Smeltzer Co., Browne

Solid  
 Couch Trademark (also see Clearphone Co.)  
 Couch Trademark (watch-case)  
 Pat'd 8/14/1900 3K (single)  
 (watchcase) 75  $\Omega$   
 Deveau (watchcase)  
 Songbird Matched Phones 2.2K  
 Spartan Electric Corp., NY (\*)  
 Speak-O-Phone  
 Spielmann Elec. Co., NY, Seco (\*)  
 Splitdorf - see Bethlehem  
 Sraco (\*) - see Standard  
 Standard Radio Corp., Chicago, Sraco (\*)  
 Standard Electric Mfg. Co., Standard MOD 8  
 Stanley & Patterson, Gold Seal  
 Radio and Deveau Gold Seal 2.2K and 3.2K  
 Steinmetz Wireless Mfg. Co., Pittsburgh (\*)  
 Sterling, London (no BBC stamp)(twin-magnet) 4K  
 (BBC stamp)(twin-magnet) 2K  
 (no BBC stamp)(single-magnet) 4K  
 Stromberg-Carlson 2K  
 No. 2-A  
 No. 3-A  
 Summit Radio Products, Inc., Jersey City  
 Sunlight Lamp Co., Newton Falls, OH (\*)  
 Superba - English Made (BBC Stamp)  
 Superette - see Newton  
 Superfone Elec. Co., Boston, Superfone 3K  
 Super Electric Co., Super-Fone  
 Superior Products  
 Swedish American - see American  
 Swedish-American Telephone Mfg. Co, Chicago (\*)  
 T. B. H. Radio Co., Dansville, NY  
 Viodyne (\*)  
 Violana  
 TBM (\*)  
 Telefunken - EH333  
 Telephone Bookholder Corp., Dansville, N. Y., T-B-H 2K  
 Telephonics  
 50  $\Omega$  and 300  $\Omega$   
 TDH-39  
 Telephonics Corporation  
 Type TH-37  
 Type TH-37A  
 Teleradio Engineering Corp., N. Y., Perfectone (\*)  
 Tested Radio Products, Inc., New York, Haynes-Griffin  
 Tempest Prod. Mfg. Co., Indianapolis, Tempest 2.2K  
 J. S. Timmons

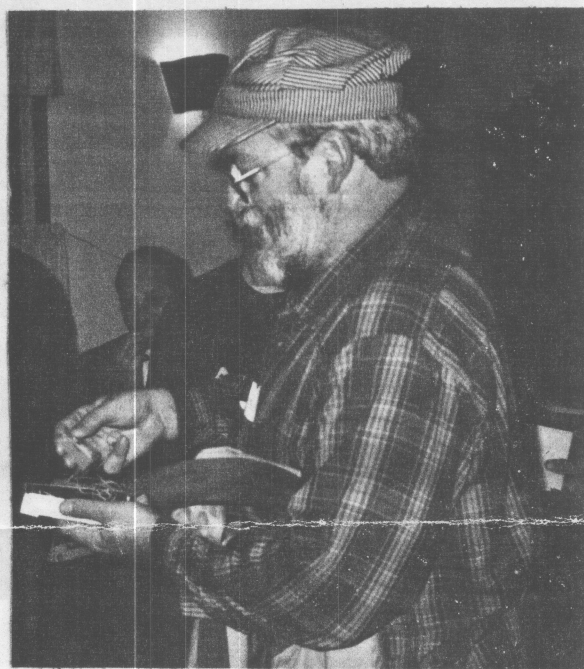
TNC (TMC?)  
 (BBC stamp)  
 London, SE 21 (BBC stamp)  
 Tokyo TK-24 (Made in Japan) 4K  
 Tokyo Tsushinki KK, Radio Headphone TK-24  
 Tower Mfg. Corp., Brookline, Mass., Ambassador 3K  
 Tower Mfg. Corp., Boston  
 Little Spitfire  
 Little Tattler (also see Marinette)  
 Tower Mfg. Corp.  
 Scientific (variations in metal of case and printing)  
 Scientific Navy Type (two variations)  
 Tower  
 Super Sensitive Navy Type  
 Super Sensitive (two variations) 3K  
 Trego 2K  
 Triangle Electro Trading Co., N. Y.  
 Berwick Supreme (single 1.1K; dual 2.2K) (also see Electro)  
 Little Gem  
 Trimm  
 (plain)  
 Acme (single and dual)  
 Commercial  
 Dependable (black and nickel cases)  
 Featherweight  
 Featherweight (lorgnette holder) 2K  
 Professional 2K  
 Type B  
 Type K (CTX-49003) 2K  
 Trimm, Inc., Libertyville, Ill.  
 Acme 1.5K  
 Dependable 2K  
 Trimm, Inc.  
 Receiver ANB H-1  
 Receiver CTX-491964  
 Trimm, Inc., Receiver R-2-A, Signal Corps, U. S. Army (single)  
 Trimm Radio Mfg. Co.  
 (large and small bakelite)  
 (black and brown variants) 3K  
 (single, lorgnette holder)  
 The Rex (aluminum and black variants) 1K  
 Trimm Radio Mfg. Co., Chicago  
 Dependable (\*)  
 Professional (\*)  
 Tri Pole Radio Industries Corporation, RICO  
 True-Tone Supersensitive 1.5K  
 True Tone Radio Mfg. Co., Chicago, True Tone 3K (\*)  
 U/S Corp.  
 Union Fabric Co., Derby, Conn., Ampl-Tone (\*)

FINAL INSTALLMENT IN  
 NEXT ISSUE





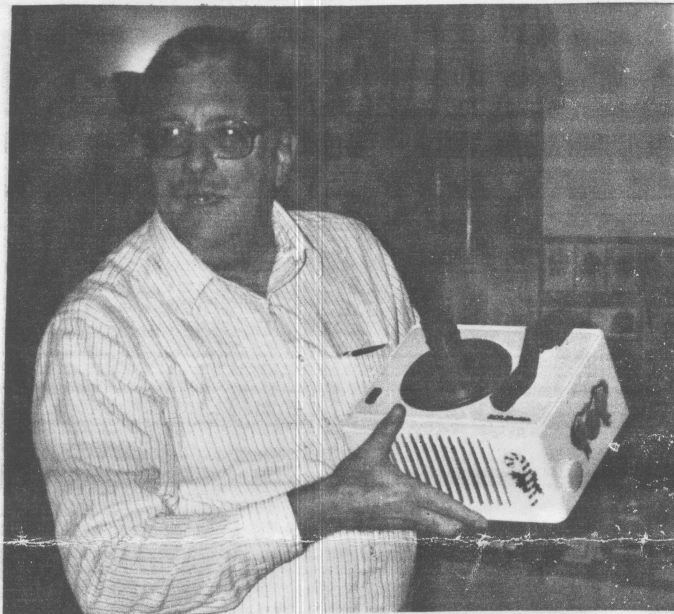
**JOHN DILKS DESCRIBES HIS LATEST ACQUISITION TO AN ADMIRING MEMBER**



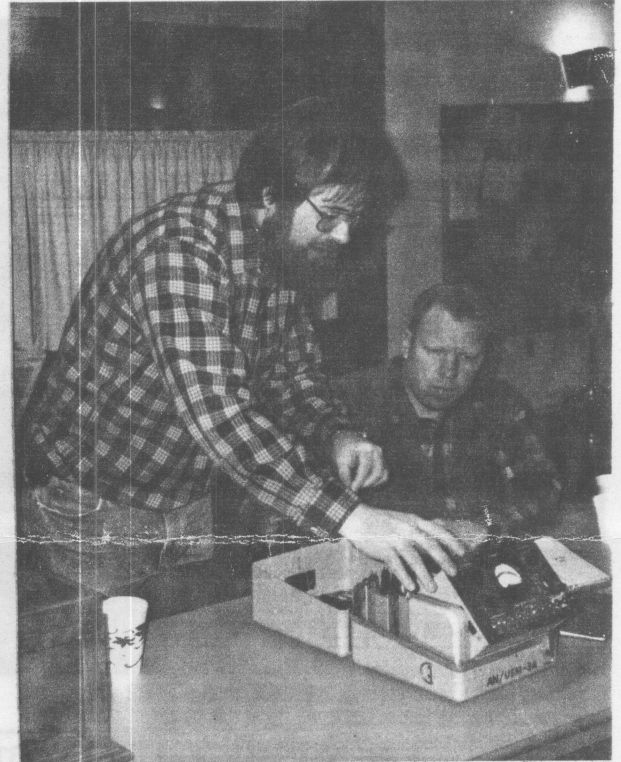
**JIM WHARTENBY DESCRIBES HIS ZENITH PROMOTIONAL ULTRAMINIATURE TRANSISTOR RADIO ("MY-RADIO"/RD-14)**



**THE SIMKIN'S "RADIO HOLIDAY" DISPLAY FEATURING POSTCARDS, ADVERTISING AND PROMOTIONAL ITEMS (LETTER OPENERS, PENLIGHTS, ETC.) WITH A HOLIDAY THEME**



**PHIL VOURTSIS AND A 45 RPM RECORD  
PLAYER, RESTORED AND CUSTOMIZED  
FOR THE HOLIDAY SEASON**



**AL KLAKE AND HIS AN/USM-3A TEST-  
TOOL SET (1952) USED FOR EMERGENCY  
REPAIRS ON ELECTRICAL AND  
ELECTRONIC EQUIPMENT**



**DAVE SICA AND ASSISTANTS DEMONSTRATE A  
TIMEX MAGNETIC DISC RECORDER (MODEL 40-1)  
WHICH RECORDS ON DISCS SIMILAR TO OLD 8"  
COMPUTER FLOPPY DISCS**



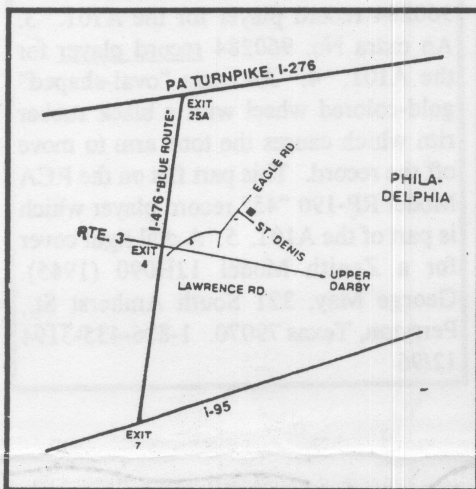
**ONE OF THE MANY "GOODIES"  
TABLES TASTEFULLY ARRANGED BY  
MARSHA SIMKIN**



## DVHRC TO HOLD WINTER SWAPMEET-AUCTION

The Delaware Valley Historic Radio Club will present an all-indoor swapmeet and auction at the Grimes Center, St Denis' Church in Havertown PA on Saturday, Feb. 15 from 8 AM to 2 PM. Vendors will be offering a wide variety of collectible old-time radios and related literature and parts. An auction is planned for noon, with multi-estate material and bring-ins; a partial list is available. Seller setup begins at 7:00 AM.

Rates are \$2 for buyers, \$15/table for sellers in advance and \$20 on the day of the event; extra tables are \$3 less. Reservations are advised and may be made by check payable to DVHRC, 1649 Yellow Springs Rd.; Chester Springs, PA 19425 (due by Feb. 10). For further information, contact Dave Abramson at (610)-827-9757.



## A NJARC MEMBER'S VISION OF A RADIO SCIENCE MUSEUM

By Gerald Dowgin KB2EZE

*In this article, club treasurer Gerald Dowgin describes his concept of the workings of an operating NJARC radio museum...Ed*

The Radio Science Museum (RSM) organized and operated by the New Jersey Antique Radio Club seeks to assist in the diffusion of radio technology education in all phases of wireless communication. To

this end, RSM holds workbench demonstration exhibits for museum member viewing of: (1) the use of radio transmitting and receiving apparatus; (2) radio repair techniques; (3) the use of electronic test equipment.

The RSM is seeking to obtain permission to use for RSM meetings and public educational exhibits a site that has an historic radio significance or to work in conjunction with a children's museum or school at their site. The volunteers of the RSM have expertise in designing interactive displays directed toward providing radio electronics information in a way to further the scientific interests of its museum members. RSM expert learning facilitators have the knowledge to bring to life for its museum members scientific principles through video and live education demonstrations conducted by licensed radio amateurs and other electronics experts. Interactive RSM radio testing experiments are designed to encourage and foster the relations of radio electronics to the science of physics and other industrial sciences.

The RSM is also dedicated to the critical need for improvement in wireless near space communication technology education for improving human welfare. Activities of the RSM include: (1) NASA space shuttle video, voice and data communication between NASA astronauts and museum members during scheduled museum meetings; (2) fabrication and testing of communication antennas by interested museum members; (3) use of the world wide web to communicate with others interested in radio science through an RSM homepage that contains radio equipment pictures and advertisements, radio science related literature, a radio science wanted and for sale listings, answers to frequently asked radio science questions; (4) an index to the NJARC's video library of radio science demonstrations and lectures from which museum members can purchase video cassette copies of individual presentations.

The RSM cooperates with the American Radio Relay League, the Antique Radio Club of America, the Antique Wireless Association, the Radio Amateur Satellite Corporation (AMSAT), and the National Space Society (dial-a-shuttle). The RSM presents demonstration excellence awards, radio restoration of the month awards, and plans to create a radio electronics biblio-

graphical literature search capability (radio science information search via on-line RSM database). The RSM encourages exchange of information among museum members through presentations of educational lectures and team projects. The RSM encourages museum members to bring unwanted radio gear and literature to the museum for temporary display or use. The RSM also provides access to relevant radio publications at below market cost by buying for its members directly from the authors or publishing houses. The RSM maintains a collection of historically unique and space age radio items and as space permits plans to maintain a library of radio related books and magazines. The RSM plans to dedicate a camera to view its museum volunteers working on radio restoration and repair with such demonstrations being available on a real time basis over the Internet. These workbench restoration and repair sessions will also be recorded for later sale by the RSM.

*(PRESIDENT'S COLUMN...continued)*

the Skycraft Surplus on Anchorage Ave near I4. This place is without a doubt the cleanest surplus place I have ever been in. What do you expect, the sales staff is mostly women and they know how to run a great store!

The surplus is a mixture of commercial and government. All that I saw was clean and well displayed. All components were either new commercial or as in the case of microwave stuff, removed from one of a kind test sets and such.

some items were pricy but there were bargains to be had. Mechanical filters from Collins were only \$7.50 each but they are 100 KHz models with a bandpass of only 1.2 KHz. They are too narrow for audio and too broad for CW but they are Collins Mechanical Filters and at a good price so I bought two. All kinds of neat stuff hung from the ceiling from hooks, there were rows of power supplies of all descriptions and again a good selection of power transformers. In the front of the store were new components in large jars. Nearby were small paper bags (paper sacks in the South) and again the price was reasonable. This time it was Murata-Erie crystal filters at 455 KHz and 50 cents apiece, so I bought a dozen. One of the many things that caught my eye were used hand tool such as high quality needle nose pliers and diagonal cutters for \$3.00 each. So if you go down to Disney World with the family, while they are recovering from all the walking, just sneak out for some fun at Skycraft. Jim Whartenby

## CONNECTIONS

Free exposure for buyers and sellers! Unless requested otherwise, each ad will run for two months in both the *Jersey Broadcaster* and the *Delaware Valley Oscillator*. All buying and selling transactions are the responsibility of the parties involved.

## FOR SALE

AK-37, Zenith 10S662, AK-440C...can deliver to Havertown, PA meet. Mike Koste, 57 Tennis Ave., Ambler, PA 19002, (215)-646-6488. 1/4

500 tubes, \$100 for all; list available. Al Trapanese (908)-870-9632. 1/4

Howard W. Sams repair books: transistor (TSM), auto radio (AR), and hi-fi (MHF). Good supply. Lewie Newhard, (610)-262-3255 (evenings).

Tubes, NIB (over 6,000), 50% off AES prices; minimum purchase \$20 (for \$40 worth of tubes) or buy the whole lot. J J Papovich, 53 Magnolia Ave., Pitman, N.J. 08071, (609)-582-8279.

Weller replacement tips: (17) long screwdriver tips (#PTK8); (5) single flat tips (#PTCC7) - new and in original packaging. Donald Rector, 443 Beaver St., North Wales, PA 19454, (215)-699-8050 (eve.) 1/4

Novelty Items - RCA, Victor, Edison, Splidorf and others. Send LSASE (55 cents postage). Sams Photofacts #500 up to 1000 - you pick up - 50 cents each. Over 300 books - send LSASE (55 cents postage) for list. J.J. Papovich, 53 Magnolia Ave., Pitman NJ, 08071. (609)-582-8279

## WANTED

Radio chassis and speaker for Crosley grandfather clock, Model 59. Also information on the original finish of the cabinet. Ralph Fenimore, 396 Misty Vale Dr., Middletown, DE 19709. (302)-378-0185 12/96

Book: *Of Mikes and Men*; good condition. Donald Rector, 443 Beaver St., North Wales, PA 19454, (215)-699-8050 (eve.) 1/4

Cabinet (or good cabinet/dead chassis) for Radiola 20. Tom Provost, 19 Ivanhoe Dr., Robbinsville, N.J., 08691. (609)-259-7634 1/97

27 down and three to go: Air Patrol (Breckinridge), To the Rescue, (Chapman) and Under the Sea (Duffield) will complete my *Radio Boys* collection. Dust jackets not required. Mike Koste, 57 Tennis Ave., Ambler, PA 19002. (215)-646-6488 12/96

Miniature tape recorders and related accessories. Also, vintage broadcast portables, especially wind-up types. Need manuals, brochures, photos, tape-recording books and magazines. Joseph A. Morinelli, 901 Fairfax Rd., Drexel Hill, PA 19026. (610)-715-1720 12/96

1. RCA Model A101 console radio in Mahogany finish. This radio was made between 1950-1952. It has a "45" record player on top of the AM-FM radio (on right of cabinet) and a separate "78-33-1/3" player (No. 960284) which fits on the left of the cabinet. 2. An extra gray colored wooden pull-out drawer for No. 960284 record player for the A101. 3. An extra No. 960284 record player for the A101. 4. An extra "oval-shaped" gold-colored wheel with a black rubber rim which causes the tone arm to move off the record. This part fits on the RCA Model RP-190 "45" record player which is part of the A101. 5. A dial light cover for a Zenith Model 12H090 (1945). George May, 321 South Amherst St., Perryton, Texas 79070. 1-806-435-3194 12/96

MARVIN P. BEEFERMAN  
2265 EMERALDA PARK DRIVE  
FORKED RIVER, N.J. 08731



BOB OLAWSKI  
230 COURT AVE.  
LYNDHURST, N.J. 07071

