



VOL. 2 NO. 6

EDITOR: Mike Koste

MAY HIGHLIGHTS

A gorgeous Spring evening, a most interesting slide presentation, another blockbuster auction, and where were you? At home digging dandelions out of your lawn?

The May 10th meeting of the DVHRC, like April, demonstrated the new sense of vitality and enthusiasm in the organization.

Based on increased attendance and your comments and feedback, it's obvious that the Oscillator has given the club a major boost. As Editor, it's gratifying to know that the time spent preparing the newsletter every month is time well spent. Many thanks to **JAY DAVELER** for his input and guidance, and to **JACKIE** at Davro Optical for doing the layout and **Phil Jones** for doing the duplicating. A group effort of this kind is producing a publication we can all be proud of. A number of you have expressed interest in making contributions in future editions. We'd love to have them! Fax them to **MIKE KOSTE** at (215) 483-6060. Discussions are also underway to begin publishing free classified ads for club members. DVHRC Treasurer, **JOHN KERN** will be spearheading the effort and we'll have more info for you at the June 14th club meeting.

42 members attended our May gathering, including our old friends **ARNOLD** and **FLORENCE FINKEL**. (For the benefit of those who tuned in late, the Finkels are two of the dozen or so original members of the DVHRC who were instrumental in establishing our auction program). We also welcomed our two newest members, **BOB BENDESKY** of North Wales and **TOM JARDINE** of Perkasio. The oscillator would also like to acknowledge **HARVEY FAULKNER** of Newark, Delaware who joined our midst in November '93. (Yes, he's the same Harvey Faulkner who wrote recommending shoe polish to rejuvenate the leather case on a Transoceanic in the May edition of ARC.) The DVHRC was also represented in last month's ARC through **JOHN OKOLOWICZ's** splendid article on Philco designers. (It's worth re-reading. . . John really did his homework on this one!)

The group responsible for the restoration of our Freed Eisemann Raffle Radio did a remarkable job. Attendees of the May meeting not only saw the finished product in person, but watched it's transformation in a well documented slide show produced by **JAY** and the skilled shutter of **JOE CANDIDI**. You may be able to add this terrific set to your collection by purchasing raffle tickets in Buckingham June 26th. . . \$1 a piece or 6 for \$5, with all proceeds benefitting the Club.

From the typographical error department, **JIM JAMAN** reminds members that DVHRC T-Shirts are \$8.50. (The price in the May Oscillator was incorrect.) Get yours at the June 14th meeting or at Buckingham. Club baseball caps are also available for \$5. There's still a couple of the Philco books available and we also have stock of the second edition Harry Poster Price Guide at major savings off the cover price.

From the auction table, 51 of 72 lots sold on May 10th including a sharp looking H500 Transoceanic complete with logbook for \$45, a Jackson tube tester with a boxlot of tubes for \$30 and a variety of transistor radios (ranging from the common to the rare and unusual) sold for between \$5 and \$35. It would be fair to mention that a number of quality items were offered that failed to meet their reserves including a very scarce Stewart Warner R-10, a 1933 Philco 57C, a 1933 Air King TRF portable, a superclean Philco 48-460, some high-end Fisher hifi components and a few other plastic and wood table radios, paper, test gear and parts sets. Also, thanks to **RALPH BROWN**, who donated proceeds from his auction items to the club treasury.

FROM THE WORKBENCH

BY: Ted Sowirka

The previous owner said it was working before it went into storage. . . but that was fifteen years ago. The price was right and the temptation's there, but whatever you do, don't plug it in and turn it on!

A shorted electrolytic could destroy a perfectly good rectifier tube or cause a filter resistor to open. You could see smoke and smell something burning. If you do, it's usually too late. . . the damage has been done.

Before powering up your new old radio, a few simple checks with an ohm meter can save some major grief. Again, don't plug it in and don't turn it on.

Locate the rectifier tube and remove it from the socket. Identify the cathode socket pin and check it to ground on the X1000 scale. Look for a reading of 50K to 100K (or higher). Anything less could cause trouble. Locate and remove the audio output tube and identify the plate pin. Check from the plate socket pin to chassis ground for the same reading as the rectifier. If they check out, replace both tubes and use a Variac between the radio and the AC line. Set the Variac to zero and turn on the set. Advance the Variac to ten volts and leave it there a few minutes. This voltage is too low to light pilot lamps and tube filaments, but wait. Advance to 20 volts and again leave it there a few minutes. Continue to make Variac adjustments in 10 volt increments while observing the pilot light and tube filaments. Metal tubes may start to feel warm. Look for smoke and use your nose to detect strange odors. This slow, incremental change is actually reforming the electrolytics if the rectifier is working properly.

If the line cord were plugged in and the set turned on before forming as above, the shock of high voltage being applied to dormant electrolytics (even though the rectifier heater is slow in warming the cathode) is enough to cause failure. Radios using selenium or silicon rectifiers provide the DC almost instantaneously with more of a chance of filter capacitor failure.

Radios were never meant to last a lifetime, and even if it was in working order when it was retired to the attic or basement, the sudden surge of voltage after years of dormancy could complicate an otherwise simple repair.

SHOP SAFETY TIP: Mark the ground side of the receptacle on your service bench with paint or tape. Before plugging in a series string radio, use your ohm meter to determine the ground side of the line cord. Mark the plug end with paint, tape or scratch it. Line up the ground side of the plug with a receptacle's ground side to prevent getting a shock from a hot chassis. . . or better yet, use an isolation transformer.

MARK YOUR CALENDAR

Now that the Garden State's domination of May is over with, it's time for the DVHRC to take center stage.

Our annual Summer Swapmeet is Sunday, June 26th at the Tyro Grange Hall at the intersection of Routes 413 and 202 in Buckingham, Bucks County. If all goes as planned, by the time you read this, we should be more than half way to vendor capacity. Spaces are reasonably priced, and since we're the only game in town that weekend, we're expecting a major turnout.

Use the vendor registration below and mail it in with your payment or bring it to the June 14th meeting. At that time, we'll be asking for volunteers to collect for parking and handout ballots for the "Our Favorite Radios Contest". We'll also need bodies to work the DVHRC table to sell Books, T-Shirts, Raffle Tickets, and to keep an eye on the stage area.

Even if you don't plan to rent a table or work on behalf of the club at the Swapmeet, everyone is encouraged to contribute an item or two to the contest exhibit. The public will vote for their favorite radio on display and the winners will receive commemorative plaques donated by **JAY DAVELER** and **TONY MOLETIERRE**. You can bring your set(s) by Saturday afternoon while we're preparing the stage area, or between 7 and 8 a.m. on Sunday morning. If you have any questions about the exhibit or can help out, call **DAVE ABRAMSON** at (610) 827-9757 or **BILL OVERBECK** at (610) 853-3199. It would also be beneficial to have some extra folks on hand Saturday afternoon to post road signs on the major paths to Buckingham.

If you have any questions, call **MIKE KOSTE** at (215) 646-6488.

SWAPMEET VENDOR REGISTRATION

- 10' x 20' Tailgate Space: () \$5 DVHRC Member
Bring your own table () \$7 Non-member
Tailgate spaces will be \$10 day of the event
- Indoor Table: () \$10 DVHRC Member
() \$12 Non-member
Indoor tables will be \$15 day of the event

IN THE EVENT OF RAIN, TAILGATERS CAN MOVE INSIDE AND USE AVAILABLE TABLES AT NO EXTRA CHARGE.

NAME _____

ADDRESS _____

PHONE _____

Make checks payable to The Delaware Valley Historic Radio Club. Detach and mail with payment to: DVHRC, P.O. Box 624, Lansdale, PA 19446.



JUNE MEETING REMINDER

Join us for the next regularly scheduled meeting of the Delaware Valley Historic Radio Club on Tuesday, June 14th at North Penn Amusement on Main Street in Souderton. Bring a friend and encourage them to become members. The meeting begins at 7:30 p.m. sharp.

We'd like to offer a tip of the DVHRC baseball cap to **BILL OVERBECK** who not only provided the Freed-Eismann Radio for our restoration project, but also the "eye" tube we needed to complete the project.

In lieu of charging the club for the price of the tube from his personal stash, Bill offers a challenge:

At the June 14th meeting, we'll be conducting an informal knob exchange, giving you the opportunity to swap your spares for ones you need. Bill says that if anyone brings in more knobs than he does, he'll absorb the cost of the tube and treat it as a donation.

So round up your orphans and bring them to Souderton this month. You'll be helping another collector in need and (hopefully) find the solution to an unfinished project.

We'll also conduct our customary equipment auction and making final plans for the June Swapmeet.

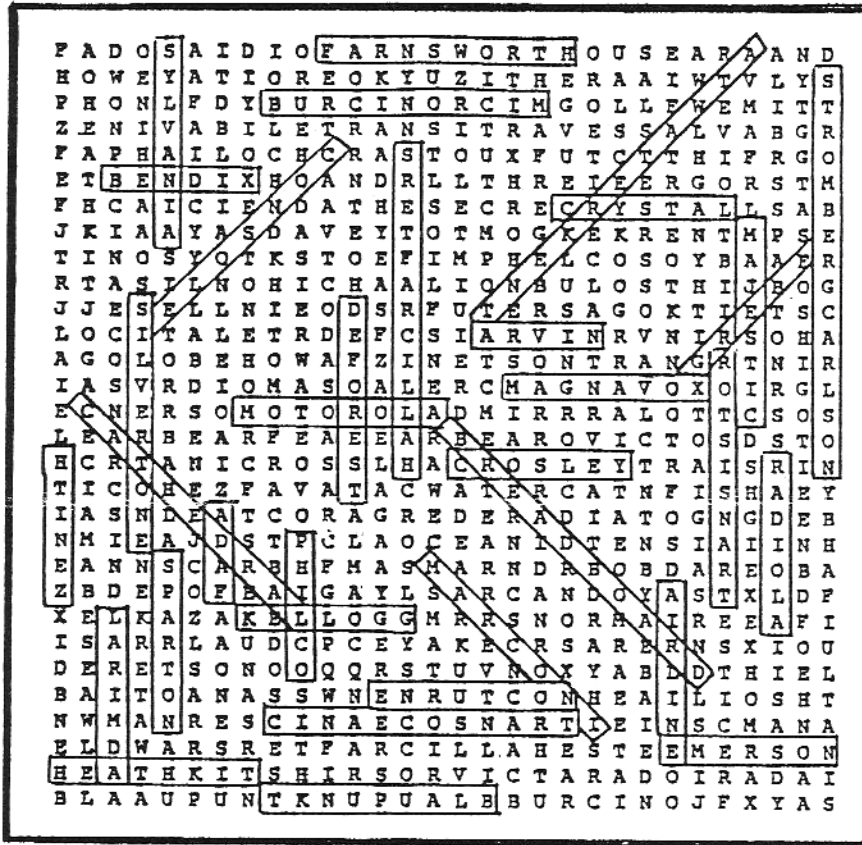
Hope to see you there!!



PRESIDENTS CORNER

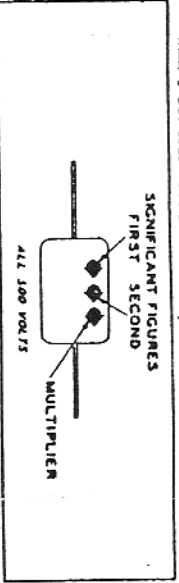
The May meeting again was well attended, and it appears that everyone had a good time. The enthusiasm in the club has grown alot in the last year. Over the past years I have had many hobbies, but they have come and gone. I'm sure we all go through the same. But the hobby of radio collecting is one of alot of hobbies all packed into one. It starts by looking for the ultimate treasure. It usually starts on a weekend by running from one yard sale to another. Then we go to flea markets and then finally hit all the antique shops, and don't forget all the trips we make to our neighbors and friends basements and attics. After we find that special radio the next stage of the hobby takes place, which is the stage I enjoy the most. Its called restoration. Here's where we get a chance to do alot of hands on repair to damaged wood, strip old finishes and apply that new finish. Hopefully making our new find look brand new 1930's style. Then comes the electrical restoration. New compositors, some new tubes, a real good chassis clean up and over haul and possible trouble shooting and repair and then the ultimate tune up called re-alignment and then final assembly, plug it in, turn it on and listen to it play. An then you take it home put it in the living room and listen to your wife say "What do we need with another radio?" Some hobby, thats why we all love it!See you at the next meeting, happy radio collecting.

SOLUTION TO LAST MONTH'S PUZZLE

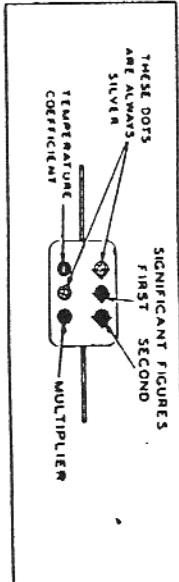


CAPACITOR COLOR CODES

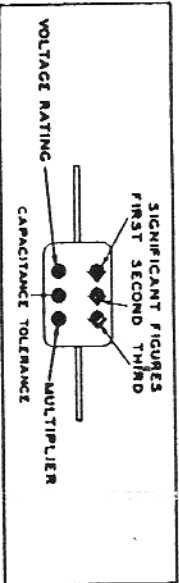
RMA 3-DOT COLOR CODE FOR MICA-DIELECTRIC CAPACITORS



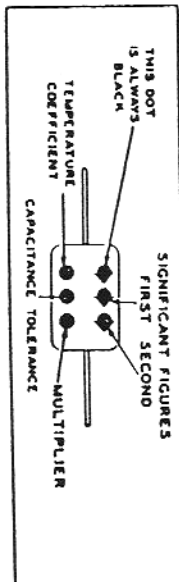
JAN 8-DOT COLOR CODE FOR PAPER-DIELECTRIC CAPACITORS



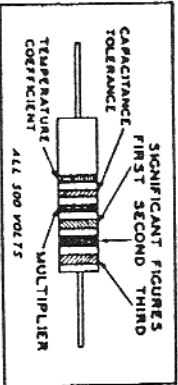
RMA 8-DOT COLOR CODE FOR MICA-DIELECTRIC CAPACITORS



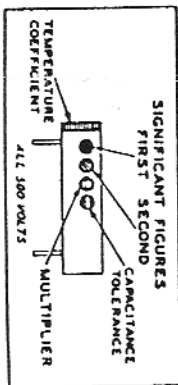
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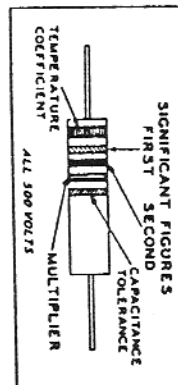
RMA COLOR CODE FOR TUBULAR CERAMIC-DIELECTRIC CAPACITORS



JAN COLOR CODE FOR FIXED CERAMIC-DIELECTRIC CAPACITORS

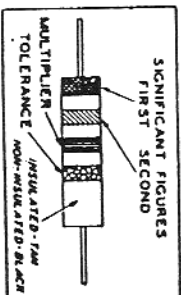


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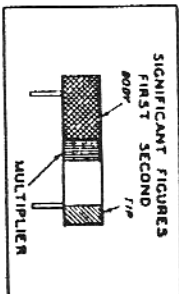
RESISTOR COLOR CODES

RMA COLOR CODE FOR FIXED COMPOSITION RESISTORS

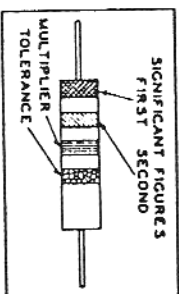


AXIAL TYPE

RADIAL TYPE

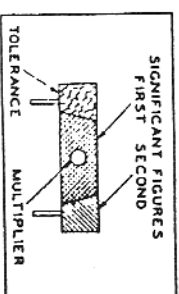


JAN COLOR CODE FOR FIXED COMPOSITION RESISTORS



AXIAL TYPE INSULATED

RADIAL TYPE NON-INSULATED



RESISTORS		CAPACITORS							
TOLERANCE	MULTIPLIER	SIGNIFICANT FIGURE	COLOR	MULTIPLIER	MICA AND CERAMIC-DIELECTRIC	PAPER-DIELECTRIC	JAN CERAMIC DIELECTRIC	VOLTAGE RATING	TEMPERATURE COEFFICIENT
10	1	0	BLACK	1	10	10	10	100	A
10	10	1	BROWN	10	100	100	100	200	B
1000	100	2	RED	100	1000	1000	1000	300	C
10000	10000	3	ORANGE	10000	10000	10000	10000	400	D
100000	100000	4	YELLOW	100000	1000000	1000000	1000000	500	E
1000000	1000000	5	GREEN	1000000	10000000	10000000	10000000	600	F
10000000	10000000	6	BLUE	10000000	100000000	100000000	100000000	700	G
100000000	100000000	7	VIOLET	100000000	1000000000	1000000000	1000000000	800	
1000000000	1000000000	8	GRAY	1000000000	10000000000	10000000000	10000000000	900	
10000000000	10000000000	9	WHITE	10000000000	100000000000	100000000000	100000000000	1000	
3	0.1		GOLD	0.1	0.1	0.01	0.01	2000	
10	0.01		SILVER	0.01	0.01	0.01	0.01	500	
20	0.01		NO COLOR	0.01	0.01	0.01	0.01	500	