



Vol. 3 No. 4, May 1995

Editor: Ludwell Sibley

THE MONTHLY PREZ

Mike Koste

Full Steam Ahead . . . next stop, BUCKINGHAM! Plans for Swapmeet VI are well underway, thanks to the spirited group of members who participated in our April 11 meeting.

We've established a strong, workable game plan for these events, so for the most part the particulars remain the same (no change in location, operating times, vendor or parking charges). Sure, a facility close to a major thoroughfare with a larger set lot for tailgating would be desirable, but for this, our fourth meet at Tyro Grange, the site is well established. The locals know where we are and the diehards from out-of-state always manage to find us. We built it, and they will come.

Restoration is already underway on our raffle radio: a very stylish Firestone, chassis R313A, ca. 1939, with pushbuttons in an ultra-Deco two-toned wooden cabinet. (Thanks to FRANK MAGGIORE for making it available.) Again, chances will be a buck apiece or six for \$5; the radio will make a quality addition to anyone's collection.

There's a vendor registration form at the end of this month's issue. Fill it out, mail it in, or bring it along with your payment to the May 9 meeting. DAVE ABRAMSON is our Event Coordinator; you can reach him at (610) 827-9757 for questions or reservations.

The membership has voted to try something different for the exhibit and radio contest which should prove to be a lot of fun. We'll still present a plaque for "People's Choice," plus a second award by member vote only for "Best of Show" in the category of . . . (*drum roll, please*) . . . "MADE IN PHILADELPHIA." Here's your opportunity to show off your unusual Philcos and prized Atwater Kents. Don't be surprised to see some of the truly rare and obscure brands too (Norden-Haucks, ElectraDynes, or Sincroflexes, anyone?). Let's dust off the Good Stuff and make this display and competition something we can all be proud of. All participants will receive a special commemorative blue ribbon for contributing. Plaques have been graciously donated by TONY MOLETIERRE (North Penn Amusements), BILL OVERBECK, and BILL WADE.

In other club doings, JIM TROE has accepted the challenge of serving on the DVHRC Technical Committee. To familiarize him with the kinds of presentations you'd like to see at future meetings, please fill out the Tech Talk questionnaire provided with this *Oscillator*.

See you in Buckingham June 25!

NEXT MEETING

Besides the auction, we'll be seeing Part I of Mike Adams' PBS video, "The Radio Collector." This is an expertly crafted, lively series on finding and restoring sets.

NEW "WESTERN ELECTRIC" TUBES, PART III

Ludwell Sibley

The Feb. and March issues of this sterling publication reported on the expected re-emergence of Western Electric audio tubes, specifically the be-all, end-all, *sanctum sanctorum* 300B triode. The story seems to be getting more solid each month. Here's the latest.

The Westrex Corp. has released a press piece ("Announcing the Re-Release of Western Electric High Fidelity Products"). To quote:

UPCOMING MEETINGS

Tuesday, May 9 and June 13, 7:30 PM, at North Penn Amusements, 113 Main St. (PA Rte. 113), Souderton.

JOINING THE CLUB

Just send \$10 to DVHRC, Box 41031, Philadelphia, PA 19127-0031.

ADS & SUCH

Please send ads, articles, etc., to Ludwell Sibley, 44 E. Main St., Flemington, NJ 08822-1224, (908) 782-4894.

Thank you for your interest in [W. E.] products. We are delighted to hear of your expression of enthusiasm concerning the re-release of the . . . 300B electron tube and associated products The targeted delivery date is . . . mid third quarter 1995, hopefully, as early as July 15th. The list price (or retail) will be \$350 . . . The 300B will be identical to previous production runs, both in performance and appearance . . . produced in the [US] from the original tooling, materials, engineering specifications and manufacturing processes. Additionally, some of the individuals involved in the manufacture of previous releases will be assisting us in this new release. Mr. Bernard Magers, senior engineer in charge of vacuum tube manufacturing for [W. E.] since the mid '50s, is heavily involved in this new release. The tubes will be marked with the original [W. E.] "flash" style logo and will include manufacturing date codes, as did the previous runs. Packaging, of course, will be of the traditional Western Electric style. . . . Assuming demand is sufficient, future product introductions will include the 350B, 274B, 310B, 262B, etc. We will also offer complete [W. E.] tube manuals, interconnects, speaker cabling, Lightguide fiber optic cables, transmitters and receivers, transformers and other . . . products.

Comments on the above: (1) Mr. Magers is familiar to old-time tube enthusiasts as the author of 75 Years of Western Electric Tube Manufacturing, which is available from Antique Electronic Supply. (2) The "transmitters and receivers" mentioned above are presumably for use with the cited fiber cables. (3) Nobody said these tubes would be cheap; the \$350 figure is roughly what original 300Bs bring today, although I've also heard of \$500 asked for used ones from an established tube-audio dealer - availability of new product should dampen that sort of pricing. There is still room for the imported and other recreations of the 300B at a lower price.

Westrex has also put out a glossy data sheet on the 300B. Appropriately, it is not a lot different from the 1939 W. E. catalog pages describing the 300B. But the existence of the data sheet puts an air of solidity on the whole affair. The 300B remains a moderate-power triode, in a hulking ST-16 glass bulb. The base is four-pin, with a '20s-style locating pin on the side. The filament draws 1.25 amps at five volts, and the plate-dissipation rating is a burly 40 watts. There is even a traditional W. E. "Comcode" for ordering, 100792522. (If anyone wants a copy of the data sheet, let me know.)

There's been some confusion as to who the players are. The Westrex Corporation is "a company independent of AT&T," but is located in AT&T Promenade II in Atlanta and will be marketing under the W. E. trademark. Actual manufacture will apparently be by AT&T Technologies (ex-W. E.).

I contacted the Cetron industrial-tube division of Richardson Electronics and was told that they do not presently intend to handle the new tube, preferring to continue selling their Cetron 300B. However, Antique Electronic Supply reports an intention to handle the W. E. tube.

So that's the current scoop. This is surely the first time in the history of electronics that a 62-year-old product, long abandoned as obsolete, has been resurrected commercially. Next: '33 Chevys, steam locomotives, and Ford Trimotor airplanes?

ON THE HORIZON

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|-------------------|--|
| May 6 | AWA Spring meet, Bloomfield, NY. Contact: Lauren Peckham, (607) 739-5443 (see text). |
| May 7 | Warminster A. R. C. Hamfest, Middletown Grange Fair Grounds, Penns Park Rd., Wrightstown, 7 AM, indoors/outdoors. Contact: George Brechman, N3HBT, (215) 443-5656. |
| May 12-13 | IHRS Spring meet, Ramada Inn, Kokomo, IN. Programs and banquet on Friday; large auction Saturday. Contact: Herman Gross, 317-459-8308. |
| May 13 | AWA Schooley's Mountain, NJ meet. Contact: Lauren Peckham, (607) 739-5443. |
| May 20 | Cherryville Hamfest, Warren Co. (NJ) Farmers Fairgrounds, Exit 3 off I-78, just east of Easton-Phillipsburg, 8 AM. Contact: Keith Burt, KF5FK, (908) 788-4080 before 10 PM |
| June 10-11 | MAARC RADIOACTIVITY, Timonium MD. Contact: Ed Lyon, (301) 293-1773 (see text). |
| June 17 | Raritan Valley R. C. Hamfest, Columbia Park, Dunellen, NJ, 8 AM
Contact: John, (908) 722-9045/Bob, (908) 846-2056 pre - 8:30 PM |
| June 21-15 | 3rd Annual Symposium on Telecommunications History, Wilmington, DE
Contact: Russell Pizer, fax (516) 422-2324. |
| June 25 | ***DVHRC Swapmeet, Buckingham***. Contact: Dave Abramson, (610) 827-9757. |
| July 7-9 | MARC EXTRAVAGANZA '95, Lansing, MI. Contact: Jim Clark, 517-349-2249. |
| July 15 | NJARC meet & auction, Hightstown. Contact: Tony/Kathleen Flanagan, (908) 462-6638. |
| July 29 | Central PA Radio Collectors outdoors meet, Williamsport.
Contact: Frank Hagenbuch, 717-326-0932. |
| August 12 | NFWA Amherst Museum meet & estate auction, near Buffalo. Details in future issues. |

AWA BLOOMFIELD MEET - MAY 6

The AWA meet at Bloomfield, NY is normally pretty predictable: flea-market activities open up in leisurely fashion (8:00-8:30) and peak at about 30 vendors. The auction of Museum Annex surplus starts about 10:30, the American Legion auxiliary ladies bring forth their Standard Lunch at noon, and the indoor bring-in auction occurs after lunch. However, the early intelligence on this year's event is that there will be an added auction after the Annex sale, of a trailer load of gear from an estate in the area - mostly '20s and '30s stuff, plus some plastic radios, etc. Site is the American Legion grounds on US 20, a bit west of the village of Bloomfield, on the south side of the highway - look for unobtrusive signs saying "American Legion" and "Coca-Cola" at a driveway leading to the Legion building about 500 feet away.

MAARC RADIOACTIVITY - 95

The Mid-Atlantic club has firmed-up plans for this year's event on June 10-11, with the theme "A Golden Anniversary of Victory in Europe." Features will be a large flea market, an old-equipment contest, presentations ("The Zenith Trans-Oceanic in WW II," "Radio Repair/Restoration," "Comparing Allied and Axis Electronics"), a bus tour of two electronics and cryptographic museums, a buffet-style banquet, and a three-hour auction. Site will be the Holiday Inn Convention Center in Timonium, MD (Exit 3 of I-83N just off the I-695 Baltimore Beltway). Registration and flea-market fees are well below the levels of other major collector events. The hotel (410-252-7373) is offering nightly room rates of \$65 single/double and \$75 triple/quad up to June 1. For a copy of the registration package, you're welcome to contact your friendly editor. The vibes from last year's RADIOACTIVITY were awfully positive, so this looks like a winner.

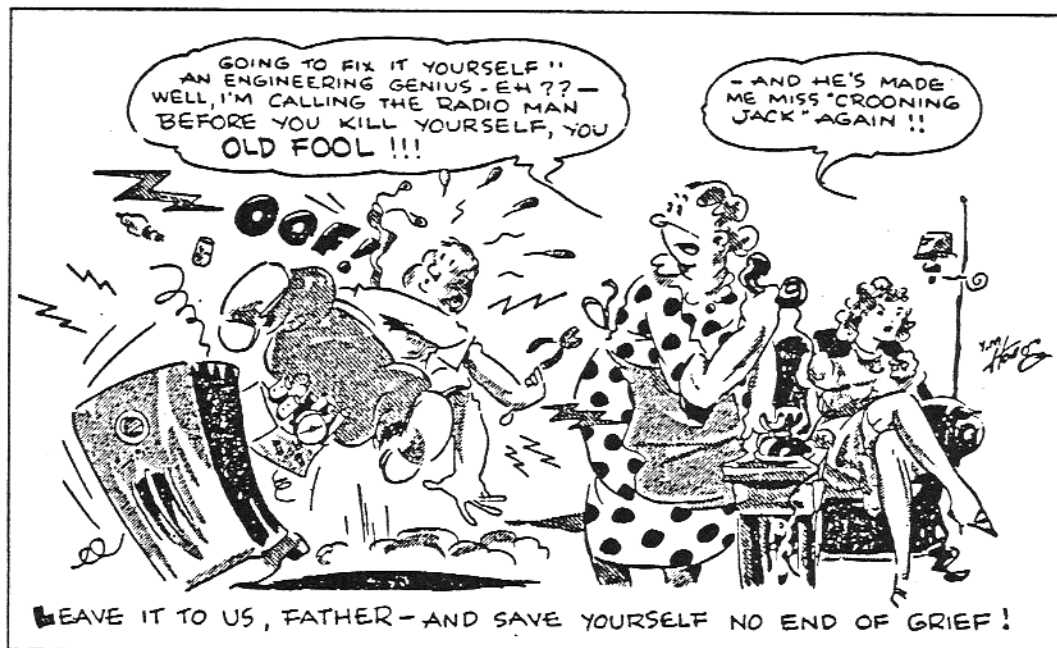
Book Review

JIM CLARK'S E. H. SCOTT RADIO COLLECTORS GUIDE (1925-1946)

This is a clever, just-released compendium of "all" Scott models from the beginning to the end of the "collectible" era. In 8-½ x 11 spiral-bound format with 86 pages, it devotes a page to each known or announced Scott model, including many quasi-custom variants which were announced by the factory but which are unknown today. Receivers are categorized as "World's Record" ('25-'30), "Allwave" ('31-'34), "Classic" ('35-'41), "WW II" ('42-'45), and "Post WW II" ('46-49). There is a section of pictures, from Scott promo material, of 98 styles of cabinets, Abbey to Windsor, listing original prices. Another section depicts a surprising variety of accessories sold by Scott, from plug-in coils to remote-control boxes and a continuity tester - again with prices.

Scotts weren't all luxury consumer products. I was surprised to see that the WW II Navy sets, besides morale radios (RBO, REE) and communications receivers (RCH, RCK), included the RDO radar-countermeasures set - a shipboard chassis designed by the Naval Research Lab to accept the same VHF-UHF-SHF tuning heads as the AN/APR-4 airborne radar search set.

This book does a good job of organizing the confusing variety of Scott gear, in far better detail than is attempted by E. H. Scott - the Dean of DX or the (spotty) coverage of Scott in Rider's manuals. It will prove useful to collectors, or just admirers, of Scott equipment. The author is, of course, a heavy-hitter collector of Scotts as well as co-director of the E. H. Scott Historical Society. Price: \$29.95 plus \$2.50 S & H, from Jim Clark Enterprises, PO Box 585, Okemos, MI 48805-0585. - LAS



DVHRC AUCTION RULES & REGS

Some minor violations of club auction policies have come to light lately, so here's a refresher course in "Dos" and "Don'ts" established by the organization in Jan. 1993.

1. In fairness to all participants, items brought into the building for auction are not to be sold privately; they are to be put up for bid.
2. If you have items for outright sale, a designated table will be available near the front door specifically for this purpose. Unsold items can then be placed on the auction tables.
3. Auction inventory forms should be filled out in duplicate, using your membership number followed by a lot number. Merchandise should be number-labeled the same way as it appears on your inventory sheets. Items should be described honestly and as accurately as possible.
4. Vintage radio and related items only - no lawnmowers, baby furniture, baseball cards, etc.
5. Only members in good standing are permitted to participate. Outside-held merchandise is acceptable as long as it's consigned to a club member.
6. DVHRC collects a 10% commission on all sales. Items selling for \$50 or more are charged a flat \$5 commission.
7. It is the buyer's responsibility to settle up with the seller, and the seller's task to settle with the treasurer following the auction.
8. DVHRC and North Penn Amusements assume no responsibility for items not removed from the premises in a timely manner.
9. Auctioneer reserves the right to separate or piece-out box lots to expedite a sale.
10. It is strongly recommended that, if your item does not meet its reserve, you place a free ad for it in the following month's *Oscillator*.

WANT ADS

Free exposure for your desired or unwanted stuff! Unless requested otherwise, we'll run each ad for two months, and will send ads to the *NJARC News* for double coverage.

FOR SALE: Two Zenith AM-FM table models, identical except that one is light oak and one mahogany, purchased new in 1957. Don Heath, (215) 345-7498. (4-3-95)

WANTED: Circuit diagrams for the N. R. I. "Professional Radio Servicer" No. 1175-B (a combined oscillator and VOM made for National Radio Institute by Triplett. Alton DuBois, 67 Peggy Ann Rd., Queensbury, NY 12804, (518) 792-3130.

PUBLIC NOTICE: Author credit for the article in the May *Old Timer's Bulletin*, "Constructing a Pre-War Zenith Cage Antenna," goes to Bob Haworth, W2PUA, of Somerdale, NJ. Although shown as such, I am *not* the author. Ludwell Sibley.

FOR SALE: Magnavox stereo console, large wood cabinet, AM-FM-phono, working, \$45; **WANTED:** STK040 or ECG1325 audio module. Don Rector, (215) 699-8050 weekday eves. after 7 PM.

WANTED: Zenith and Emerson transistor radios, especially Zenith 500s and Emerson 888s. John Kern, 2320 Rosedale Rd., Quakertown, PA 18951, (215) 538-2128.

FOR SALE: Crosley 629M. Mrs. Mitchell, (215) 752-0134.

WANTED: Victor 7-3 owner to exchange information with such as: loudspeaker mounting, proper connectors for ground, antenna, etc. Aaron Hunter, 23 Lenape Trail, Southampton, NJ 08088, (609) 267-3065.

FOR SALE: Sonora M5464 (?), mid-'40s, with orig. literature. Ed Torres, 741-1962.

FOR SALE: Farnsworth AC-71 console, RCA Victor 811K motor-tuned console, 1951 Zenith H7232 in VG cond., Philco 41-255 multiband table set. Taylor Blanchard, 48 Theresa St., Trenton, NJ 08618, (609) 882-2293, or taylor.b@genie.geis.com.

FOOD & DRINK: a good place to join fellow collectors for dinner before meetings is the Hillside Tavern, half a block uphill from the meeting site.

FOR SALE: Booklet of 64 pages describes Federal Tel. & Tel's radio operation from the beginning in 1921 to its demise in 1929. Over 60 illustrations, including pictures of early Federal RF and audio amps, all early radios, and many Federal parts. The article and NFWA presentation by Dick Schamberger, Federal expert, are included. All Federal models are listed with the year/month introduced, price new, and brief description. Buffalo's first broadcast station, Federal's WGR, is covered. There are two pages of references for more info. This is more about Federal than exists in any other spot! Good-quality printing. Send \$4.95 + 1.00 S & H to Larry Babcock, 8095 Centre Ln., East Amherst, NY 14051.

READER COMMENTS

Alton A. DuBois

Dave Abramson's 1939 TRK "Mirror in the Lid" reminds me of the time in 1937 when I was in high school and working on the school newspaper. Another student and I were assigned to interview an RCA engineer living nearby in Tuckahoe, NY. He had a TRK-style TV set for experimental transmissions to be measured at his location. Mr. Whitaker was also an amateur radio operator. We looked at the set but he would not turn it on for us. He just told us that it was the TV of the future.

After graduating from high school, I read of a store selling TV sets looking for sales people. I got a job with the Scarsdale, NY store and travelled around, trying to sell these expensive TVs. I had no luck, nor did anyone else that I know of. We were contacting bars and restaurants, but they scoffed at the idea of putting a TV set in for public viewing (look at them now!). The store lasted about two months, and so did I. I went back to working at a radio repair shop.

That was my last contact with TV until after WW II. I was asked to install an antenna for a Hallicrafters 7" pushbutton-tuned TV set that the store had just started to handle. Later on, friends and I watched the 1948 Dewey and Truman conventions on a set in the store. My boss gave me permission to invite a few friends in. Later, I left to join the RCA Service Company installing "630" TV sets and antennas.

I never got to work on a TRK; that was reserved for much more experienced men - they were extremely dangerous because their high voltage was also high-amperage. I understand that RCA tried to buy back all the TRKs they could find when the 630 came out with a (safe) flyback transformer.

RESTORATION TIPS - EARLY CLOCK-RADIOS

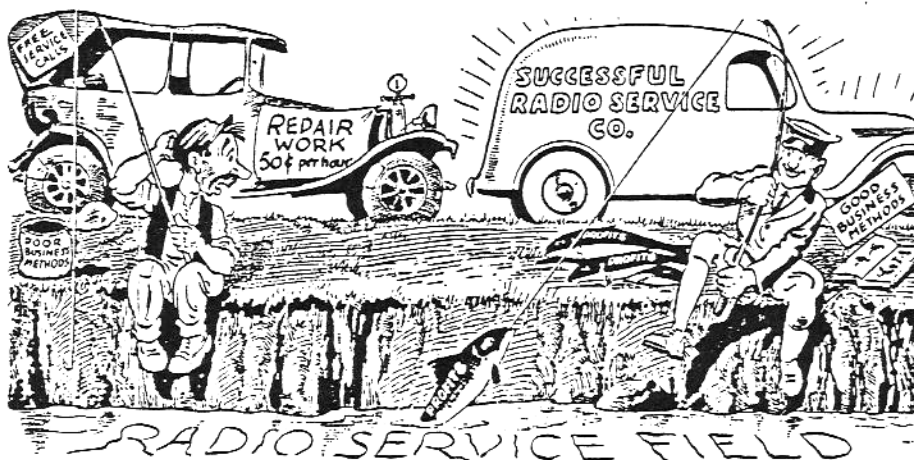
Adapted from *News Letter - Indiana Historical Radio Society Northern Members*, March-April 1995 (Ross Smith)

Early synchronous clocks such as were used in the center grilles of cathedral sets and the Philco Grandfather Clock series, as made by Sessions, Hammond, and others, were not self-starting. A "spinner" was provided for spinning and starting the AC motor each time the current was turned on. The motor would run either CW or CCW, so it had to be started in the right direction!

Almost all such motors are frozen after 60 years of aging and drying of the lubrication. *Do not throw them away* unless the driving coil is burned beyond repair. Most can be repaired by removing and cleaning the sealed gearbox that is about the size of a pocket watch. This round gearbox is mounted on the rear of the clock frame by a strap and two brass nuts. The magnetic force for turning the motor comes from the driving coil mounted on the frame of the clock.

FIRST, check continuity of the coil. It should read around 500-600 ohms. If it is OK, take the sealed gearbox off and turn the small brass gear protruding from the box with your fingers. If it is hard to turn or frozen, cleaning is required. Don't use heavy torque on the gear or try to melt the solder holding the case together.

SECOND, drill a small hole (about 1/16" dia.) near the outside edge of the case. Use a measured round spacer over the drill bit in order to keep the bit from going inside the case and damaging a gear. Also, try to keep any brass chips from falling inside. To clean, apply several shots of clock cleaner or TV tuner cleaner from a pressure can through the small hole. Allow to soak for a time and keep adding cleaner until the brass gear is free to turn. Reassemble the clock and plug into the AC line. Spin the "spinner" as many times as are needed to get the clock running. Run the clock for 24 hours to be sure that it is clean and will keep running. If all else fails, you can buy a new AC clock motor from a clock-parts supplier. Good luck!



Service, June 1938

THE JOHNSONBURG RADIO CORPORATION

Ludwell Sibley

The early history of tube manufacturing is full of small companies which vanished or (if lucky) merged with others. There was a "first wave" of firms which disappeared under heavy competition in the mid-'20s. Examples are Allan, Blackstone, or Cleartron. Then there was a "second wave," better organized than the earlier ones, that might have prospered but for the Depression. Western Pennsylvania had one of the lesser known of these: the Johnsonburg Radio Corporation. (For reference, Johnsonburg is located in Elk County near St. Mary's, with 3300 residents today.)

The company appeared in 1929, originally using the brand name "True Tone." Gerry Tyne's *Saga of the Vacuum Tube* says about it only that it made tubes under the "JRC" brand, and Bro. Patrick Dowd's list of 500+ observed brands of 201As includes "JRC." But Johnsonburg isn't listed in Stokes' *70 Years of Radio Tubes and Valves*, and I had not seen one of their products until recently.

The "little guys" like Arcturus or Champion often introduced unusual tubes in hope of establishing a market niche that Mighty RCA didn't fill. A Johnsonburg product announcement in *Electronics* for March 1932 shows a new full-wave mercury rectifier in an S-14 bulb. Basically a five-volt version of the Type 82 rectifier, it was intended to replace the popular 80. Arthur V. Baldwin, chief engineer, is quoted as giving its ratings: it drew only one ampere at five volts, but delivered up to 150 mA DC.

Mr. Baldwin had been a tube engineer for Canadian Westinghouse. He was hired in July 1929 while Johnsonburg was being formed. After the company disappeared, he went to Hygrade Sylvania in Emporium and had a long career which included technical editorship, in the late '40s, of the *Sylvania News*. Interviewed by phone recently, he reported that the rectifier had been beset with problems; like all mercury devices, it had a tendency to "arc back" and that problem hadn't been solved.

Johnsonburg later made the 2B6, a dual-unit direct-coupled audio triode said to be good for four watts output. (Try finding *that* one in an RCA tube manual!) An isolated full-page ad in *Electronics* (Sept. 1933) introduced it. Mr. Baldwin reports that this type was actually originated by an outside tube man named Stromeyer. That was doubtless Charles F. Stromeyer, former research engineer of the Cable Radio Tube Corporation of Brooklyn. Cable was famous for its "Speed Triple Twin" dual-unit direct-coupled triodes (291, 293, 295) which were probably the direct predecessors of the 2B6. The 2B6 wasn't a big seller, but did find its way into the RK Radio Labs RK-60G/60L radios as diagrammed in Rider's Volume 5. The Acratest 108 PA amp used two 2B6s in push-pull.

An internal RCA Manufacturing Co. listing of tubes *not* made or sold by RCA, dated July 1935, shows Johnsonburg as producing the 2B6, 6B6, 12A5, and 12Z5. (Both the RCA list and Stokes' book show Arcturus as also offering the 2B6, probably as a distributor for Johnsonburg-made tubes.) The company is also listed as making the "Sparton" line of tubes: the 182B, 183, 482B, and 485. The fact that the company was on RCA's list (with 13 others like Arcturus and Triad) suggests that Johnsonburg was not as obscure as the *really* small makers.

Additionally, Johnsonburg is given as the sole maker of *two* full-wave mercury rectifiers, the 985 and 986. The 986 was apparently the one introduced in *Electronics*. The 985 was a mercury version of the 84/6Z4, intended for use in automobile receivers. I've been unable to find any set that used them. (RCA dismissed them as "unimportant!")

When the company was founded, the town of Johnsonburg had a paper mill which supplied the stock for printing of the *Saturday Evening Post*. The mill's head, E. L. Myers, established the tube plant, in part to provide a labor outlet for the women of the town. (Sylvania, in Emporium, is said to have been founded there for the same reason.) Sadly, the only *other* ad that I've been able to find mentioning the company was a 1935 receiver's offer to liquidate the manufacturing equipment.

Mr. Baldwin has provided insight into other company personnel. The factory manager was Charles E. Foster, who had come from, and eventually returned to, Sylvania. He brought his brother Harry, with experience in the mounting department, and an individual named Mills as machine-shop foreman. The chief engineer just before the company closed was another Canadian Westinghouse veteran, Ernest Lyle, who wound up (1939) as chief engineer for receiving tubes at National Union. Mr. Baldwin's assistant was William G. Carson, a fellow Canadian, who later found a non-electronics job in New Jersey.

Johnsonburg was licensed by RCA to make only receiving types. Its business was both regular-market and private-brand tubes. In particular, Mr. Baldwin indicates that Crosley used some Johnsonburg products in its sets. Crosley, of course, consistently bought tubes from the smaller makers;

devices branded "Crosley - Ken-Rad" and "Crosley - Arcturus" are well known. Johnsonburg products also went into Howard receivers and Sears radios, especially battery sets. Among those tubes was a ballast tube of the iron-wire-in-hydrogen type to regulate the filament current through a group of 60-mA tubes. (Indeed, most Sears Silvertone battery sets of the period use tapped-filament ballasts with numbers like 30, 31, 52, 1A2, and 5E1.) The company apparently also made a few "crater-glow" tubes for disc-scan television receivers. One of its prototype products was the KGG - "Knowles grid-glow" - tube, a cold-cathode trigger device similar to the later 0A4G and named for an engineer at Westinghouse.

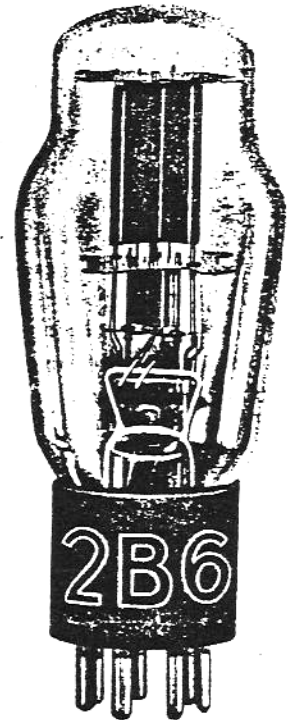
The smaller tubemakers often used catchy packaging schemes to distinguish their wares, like Champion's peek-a-boo cut-away box. The cartons for Johnsonburg tubes were heat-sealed in red cellophane.

One of the company's promotional stunts was to drop tubes from an airplane to show how rugged they were. Mr. Baldwin believes that Johnsonburg originated the idea of using a mica disc at the bottom, as well as the top, of the tube mount. Added ruggedness came from using support posts of 50-mil wire instead of 40-mil. Of course, RCA's later "ST" bulb with its top-support feature provided ruggedness a different way.

Arthur Baldwin deserves thanks for his insight into the Johnsonburg company, without which 90% of this article would have been impossible.

1934 AUDIO-QUALITY

4 WATTS POWER OUTPUT •
HIGH SENSITIVITY •
Low Set Manufacturing Cost •

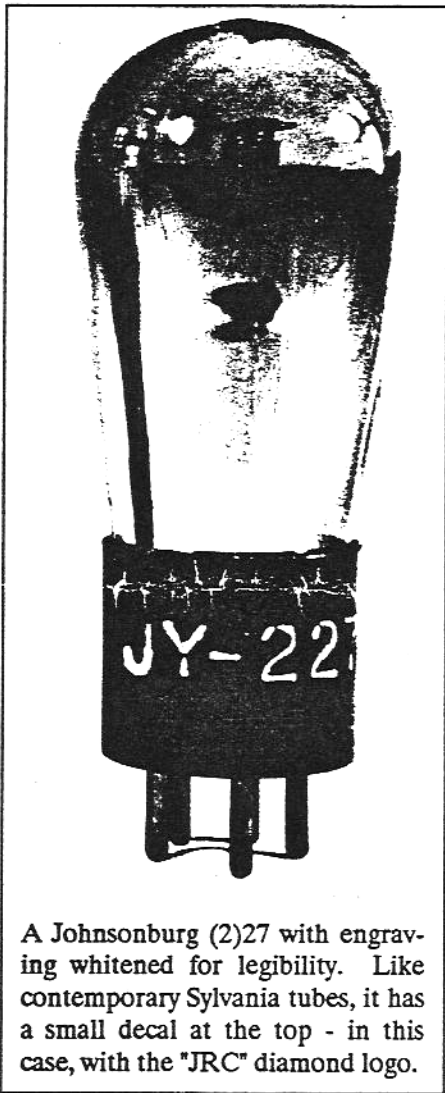


Super Triode

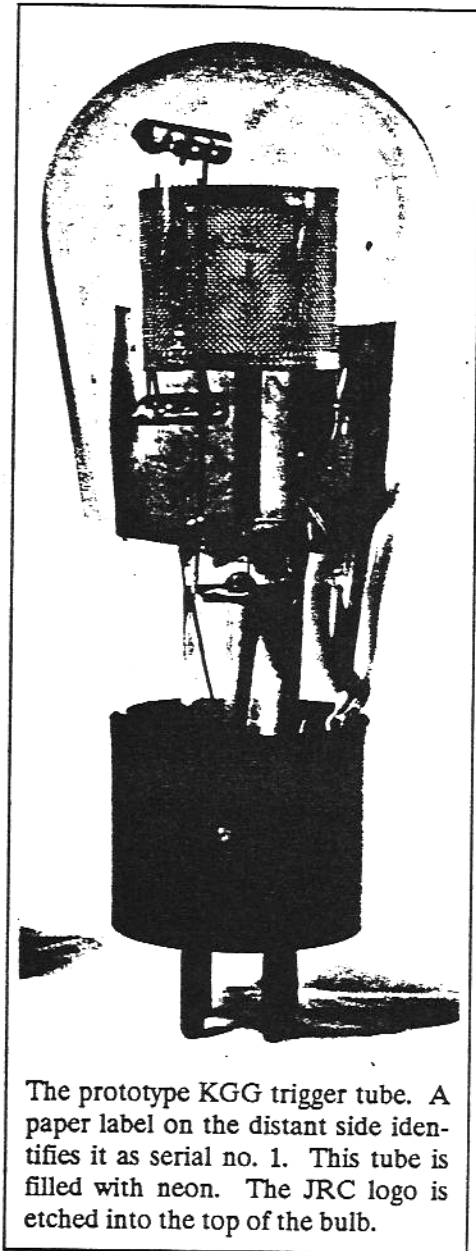
Technical Data Mailed Upon Request
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Licensed by RCA and Revelation Patent Holding Co.



A Johnsonburg (2)27 with engraving whitened for legibility. Like contemporary Sylvania tubes, it has a small decal at the top - in this case, with the "JRC" diamond logo.



The prototype KGG trigger tube. A paper label on the distant side identifies it as serial no. 1. This tube is filled with neon. The JRC logo is etched into the top of the bulb.

DVHRC SWAPMEET VENDOR REGISTRATION

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

IN THE EVENT OF RAIN, TAILGATERS MAY 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: DAVE ABRAMSON, 1649 Yellow Spring Rd., Chester Springs, PA 19425. Number for inquiries: (610) 827-9757.