



All I want is a Mercedes-Benz



and an end to world capitalism.

OSCILLATOR

DELAWARE VALLEY HISTORIC RADIO CLUB

The Official Newsletter of the DVHRC

Vol. 6 No. 4, April 1998

APRIL MEETING

For this month's meeting, we have a re-booking at the Family Heritage Restaurant (on PA. Rte. 113, ca. 1.5 mi. SW of the center of Souderton). Ted Sowirka promises a new video on radio history, and we'll have the usual refreshments, auction, jollity, etc.

HAVERTOWN: ANOTHER SOLD-OUT DVHRC EVENT!

Mike Koste

You wouldn't believe what the Grimes Center looked like ten hours before the Super Wintermeet on March 7th. St. Denis' Church was entertaining five hundred young people for an evening of pizza and bingo. With the conclusion of this high-decibel party, the floor of the Grimes Center was literally ankle-deep in paper plates, bingo cards, soda cans and broken crayons. At 9 PM, the clean-up crew and advance team from the DVHRC moved in to set-up for what proved to be yet another four-star production.

One of the real challenges was the realization that, as Saturday approached, we'd not only sold all available tables, but demand for swapmeet space did not stop. Through some last-minute engineering and adjustments to the floorplan, we managed to squeeze in even more vendors than the 1997 event. In fact, our sellers increased an impressive 15%.

Again, we built it, and they came. And they came in droves. Buyers and sellers from nine states, another club record . . . and happy buyers meant happy sellers!

When you present a show and sale of this size, you're bound to see a diversified selection of goods. It was rather surprising to see the number of fine consoles changing hands. Tubes were particularly abundant, though not selling very well due to the sheer number being offered. Despite an influx of new stock, club tube sales likewise took a hit. However, our book sales were brisk, and four new collectors joined the DVHRC family. (Greetings to George Bahl of Springfield, PA; Eugene Patrick of Philadelphia; Steve Plotkin of Glen Mills, PA; and R. Wayne Oliver of Leonia, NJ.) Auctioneers Ray Dingman and Sparky had car trouble, forcing Col. Pete Grave and Ted Sowirka into emergency action until their

arrival. Between the estate items, bring-ins, and numerous donations, club proceeds from the auction totaled over \$300. Bob Kushnerick was the lucky winner of the raffle radio, a colorful 1950s vintage CBS-Columbia-Hytron table set.

It was another splendid group effort, with special thanks to Ed Skilton, Phil Fabrizio and Brian Irwin for assisting in setting up; Alice Tannenbaum, Pat Koste and Ruth Whartenby, who supplied grace under pressure at the club tables; Dave Snellman, who pitched in working the door and lending a hand with knock-down and clean-up; Lewis Newhard for making our raffle radio available; and of course, "Scoop" Sibley for helping get the word out. Our crystal-set wizard, Al Klase, brought in his "Laboratory Reference" set, ran a 20-foot wire across the room, and amazed listeners who were invited to tune in four or five stations.

Now that my phone's stopped ringing with the question, "Got any spaces left?," I think I'll take a nap. Don't bother Overbeck. He's sleeping too.

NJARC ALERT

A special note for those DVHRC members who have infiltrated NJARC: the latter's meeting on April 10 (Good Friday) will be at the church in Freehold as usual, but delayed to 8:30 PM.

PHILADELPHIA TRIODE EXPOSITION

This tube-audiophile event will take place on Sunday, April 26 at 1:00 PM, at the Valley Forge Hilton Hotel, 251 W. DeKalb Pike (U. S. 202), in King of Prussia, (610) 337-1200. Featured will be Dennis Had of Cary Audio, Herb Reichert of Audio Note, Jacques Cazalais of Caztech Audio, Nori Komuro of Komuro Audio Labs, Victor Goldstein of Viva Amplifiers, JC Morrison of Morrison Audio Labs, Ralph Karsten of Atma-Sphere Music Systems, Roger Hebert of Wyetech Labs, Don Garber of "FT," David Berning of David Berning Audio Co., Jim Rickets of WAVAC Audio, Ken Stevens of Convergent Audio Technology, Steve Berger of April Audio, and Golden Tube Audio.

The event will feature the Classic Audio (of Hartsfield reproduction fame) Studio Standard II horn loudspeaker, and the Koechel speaker imported by TMH Audio. The

THE OSCILLATOR

Newsletter of the
Delaware Valley Historic Radio Club
Post Office Box 41031,
Philadelphia, PA 19127

The *Oscillator* is published monthly by members of the non-profit DVHRC. Its purpose is to provide a forum to educate, inform, entertain, and communicate with collectors and preservers of vintage radio technology.

We welcome and solicit information relating to radio history or collecting. Submissions should be carefully researched, typed and accompanied with clear photographs or diagrams. Material on-disc (3-1/2" or 5-1/4" DOS) is particularly welcome.

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Personal views, opinions and technical advice offered in this newsletter do not necessarily reflect those of the members, officers or Board of Directors of the DVHRC, nor is the organization responsible for any buying or selling transaction incurred.

To join: DVHRC dues is \$10 per year. The membership year runs January-through-December. Please mail to the club PO box above.

Meetings are held monthly except July at 7:30 PM.

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<http://pw2.netcom.com/~firstake/dvhrc/.htm>

Email to firstake@ix.netcom.com.

ARTICLES & MEMBER ADS

may be sent to the editor at 44 E. Main St., Flemington,
NJ 08822, (908) 782-4894.

COPY DEADLINE: The 20th of each month.

NEXT MEETINGS: April 14, May 12.

system will be cabled by Crystal Cable, with digital by Timbre Technology, and analog by Thorens. The new reference Convergent Audio Technology CAT Mk III will be the featured preamp.

Harvey "gizmo" Rosenberg will open the show with his insightful and at times controversial "Triode Ecstasy Prelude." The event is open to the public and is free of charge, sponsored by the Philadelphia Audio Society. There will be a raffle for audio-equipment door prizes. [Info by courtesy of Peter Breuninger, (610) 688-2280.]

MOLETTIERE AUCTION, MAY 7-9

As the full-page ad in A. R. C. hints, the three-day sale of the Molettieri Collection (Thursday-Saturday) will be big news in these parts. Many DVHRC members have seen some of the 2000 lots in the old meeting site: consoles, plastics, comm gear, Trans-Oceanics, unborn Heathkits, go-withs, and all those 150 juke boxes. The auctioneer plans to conduct the sale in a tent behind the building, with a modest admission charge to encourage only actual buyers to attend. Sale will be on a no-reserve basis. Payment terms will involve cash, certified check, or personal check with bank letter of guarantee. We'll have more details next month. Until then, the auctioneer (Gordon Riewe Auction Associates) offers a color brochure by calling (810) 664-5331 or faxing (810) 664-5291. It includes details of special-rate accommodations at four hotels for out-of-towners.

JOINT PICNIC PLANNED

The tentative date for this year's joint DVHRC-NJARC picnic is Saturday, June 6, at the same mellow rustic site as last year. You may remember the good vibes from the 1997 event . . . more details as they develop.

RADIOACTIVITY 98

The Mid-Atlantic Antique Radio Club announces RadioActivity 98. This major radio meet will be held on June 11-13 at the Best Western Maryland Inn in Laurel, MD., Exit 33B off I-95 between Washington and Baltimore (same location as last year). The meet, which begins at 4 PM on Thursday, June 11, features a huge flea MAARC-et and auction, a banquet, a seminar on FM radio, a three-session hands-on class in radio repair, and more. For more information, contact: Brian Belanger, 5730 Avery Park Dr., Rockville, MD 20855-1738, (301) 258-0708, fax: (301) 947-3338, Email: bcbelanger@aol.com.

The Equipment Contest has some imaginative categories:

ON THE HORIZON

April 5	Del. Valley Radio Ass'n HAMCOMP '98, Tall Cedars of Lebanon, Sawmill Rd., Trenton, NJ
April 18-19	Trenton Computer Festival, Mercer Co. Comm. College, West Windsor, NJ
April 25	Spring Radio Trader show/auction, Museum of Radio & Technology, Charleston, WV
April 26	Philadelphia Triode Exposition, King of Prussia
May 3	Warminster Hamfest, Wrightstown
May 7-9	Molettieri collection auction, Souderton
May 23	Central PA Radio Collectors meet, Danville
June 6	DVHRC-NJARC joint picnic, Elks Lodge, Clinton, NJ (tentative date)
June 11-13	MAARC "RADIOACTIVITY," Laurel, MD.

- Homebrew receivers from publications - '20s
- Homebrew receivers from publications - '30s
- Factory-made radios from the '20s, battery or AC-powered
- Homebrew transmitters from publications - 1920-40, <100 watts plate input
- Transistor radios, all styles
- Best-sounding table radio (>50 years old)
- Golden anniversary radio, any make, any size
- Anything Philco!
- Cathedral-style radio, any make or size
- Advertising devices/literature
- Loudspeaker, horn type
- Loudspeaker, cone type

Central PA Radio Collectors Club Outdoor Swap Meet & Show May 23, 1998

Cloverleaf Barn Antique & Gift Village
120 McCracken Rd.

Rte 80, Exit 33 Danville (Rte 54W)

8:00 - ? Food Available

Dealer space- \$6.00, bring your own tables

Info & Reservations: Frank Hagenbuch
(717) 326-0932 after May 1.

Special RADIOACTIVITY themes this year are "50 Years of (postwar) FM Radio" and "Philco Radio's 70th Birthday." The latter should be of special interest to DVHRCers. More details next month.

CHATEL & TCHOTCHKES

Free exposure for your wanted or excess stuff! Unless requested otherwise, we'll run each ad for two months, and will send ads to NJARC's *Jersey Broadcaster* for double coverage.

FOR SALE: Back issues of *Antique Radio Classified* - as a lot only. 154 issues from Vol. 1 No. 5 (Dec. 1984) to Vol. 14, No. 9 (Sept. 1997). Asking \$275 or best offer. Jim Whartenby, (732) 271-7701. (4-5/98)

FOR SALE: Next list of *highly collectible* tubes now being assembled. Send SASE for list of duplicates, to be mailed in May: Jerry Vanicek, PO Box 4743, Chicago, IL 60680. No phone calls, please. (1-4/98)

FOR SALE: Tektronix 556 dual-beam oscilloscope with roll-around cart. Includes the following plug-ins: Type 53C, Type 53/54B; Type 1A4 four-channel amp; and a Type 1A1 dual-trace. Manuals also included. It works! All for \$75. Also selling a pair of Ritron, Inc. (Carmel, IN 46032) two-channel portable walkie-talkies, Model RT-150, for \$25. They work and take a 9-volt battery. John Okolowicz, 624 Cedar Hill Rd., Ambler, PA 19002, (215) 542-1597 or email: grillecloth@compuserve.com. (3-4/98).

FOR SALE: The DVHRC book program offers the new Genuine Plastic Radios, this year's Zenith Transistor Radios, the recent Zenith Radio - The Early Years, the Bunis Transistor Radios, and the workhorse Tube Lore - all priced well below normal retail. Pick up a copy at this month's meeting!

FOR SALE: The DVHRC tube program offers clean, tested, boxed tubes at very reasonable prices with availability at any club meeting. Proceeds go to the club. About 300 types are currently in stock. Of course, donations of radio-type tubes in any condition are welcome. See Charlie Class at any monthly meeting to obtain or donate tubes.

WANTED: 1950 Coca-Cola cooler radio, red bakelite. Tony Molettiere, 105 Main St., Souderton, PA 18964, (215) 723-7459. (3-4/98)

WANTED: Audio transformers - one for a Crosley 51 and two for an Amrad S522. Jerry Dowgin, 1481 Newark Ave., Whiting, NJ 08759, (732) 350-6259. (4-5/98)

WANTED: Edison Model 10 (or equivalent) dictaphone cylinders. Tony Trope, 33 Jackson Ct., Fords, NJ 08863. (4-5/98)

WANTED: *IRE Proceedings*; issues of the *Old Timer's Bulletin* earlier than mid-'805. John Dilks, K2TQN, (609) 927-3873 eves.

WANTED: Two coil forms, B & W 3018; three National R-50 (or similar) 2.5-mH RF chokes. Marv Beeferman, 2265 Emerald Park Dr., Forked River, NJ 08731, (609) 693-9430. (4-5/98)

SPRING MUSEUM REPORT

Scoop

DVHRC member W. L. Jones recently sent in a recent issue of the newsletter of the American Vacuum Society, with news of an exhibit of electron tubes and related material put on at an AVS national symposium by the Perham Foundation. (Perham sponsored the former Foothill Electronics Museum in California.) This seemed like a good moment to report on museums generally, since (1) vacation-planning time is upon many of us, and (2) a lot has been going on.

PERHAM FOUNDATION. Three years ago, the Foundation announced an agreement with the city of San Jose for space in a museum complex being built by the city (*Oscillator*, April 1995). However, it appears that the arrangement has come apart: a group of potential funders (Apple Computer, etc.) want the Foundation first to devise a business plan, including a search for an optimum site. This requires hiring a couple of researchers and is expected to take two years. Meanwhile the Foundation's museum holdings remain in storage.

However, the group's name is being kept in the public eye to some degree by actions like the exhibit at the American Vacuum Society symposium this year in San Jose. On display were the Museum's 10-foot Varian klystron, a display of 200 other historic tubes (Audions, magnetrons, klystrons, etc.), a 40-foot-long timeline of tube history, and continuous history videos. (The latter included "Electrons on Parade," as featured at the February DVHRC meeting.) The Foundation has also set up an exhibit at the new "flagship" Sunnyvale location of Fry's Electronics, the famed Silicon Valley vendor. The display features a spherical Audion, a Poulsen arc converter (heart of an arc transmitter), an Apple I computer, and a 4004 microprocessor. The latter two will be particularly relevant to Fry's' customers. There is potential for additional display area in the store.

For more details, the Foundation's on (408) 734-4453.

AWA MUSEUM. The Antique Wireless Association museum at Bloomfield, NY will reopen for the season on May 3, and will operate on Sunday afternoons thereafter under direction of Curator Ed Gable, K2MP. A new display this year will be a "Founders' Corner" with exhibits honoring Lincoln Cundall, W2LC; George Batterson, W2GB; and Bruce Kelley, W2ICE. There will be more working displays, like short-wave receivers and B&W TV sets. The Museum Annex, with its heated addition, has been in operation for work and library purposes all winter. Fundraising continues to pay for the second phase of Annex improvement (1995-96); the first phase (1989-90) provided space for the library and toilet facilities. A special amateur-radio activity planned for 1998 will be a commemoration of the 75th anniversary of the first two-way (1HMO-France) transatlantic contact.

MANHATTAN COLLEGE TUBE EXHIBIT. A "required tour" for tube historians is the wall display of tubes as-

sembled over a 20-year span by Bro. Patrick Dowd, W2GK. It comprises 76 labeled panels covering "all available" wall space in the engineering library at Manhattan College in the Bronx, New York City. The total of tubes on exhibit is above 4000, and covers the entire span of the Tube Age. Your editor finally got to see it last year, and spent perhaps two hours in slack-jawed amazement (but taking notes all along). There's remarkable stuff there - did you know Bell Labs made a developmental split-anode magnetron? Have you ever seen 100 brands of 201As in one place? Ever see an 899 tube, which (far's I know) was used in only two transmitting stations? Much of the material came from RCA's plant at Harrison, NJ, or from the personal collections of RCA development heroes like George Rose.

The Engineering Building is just off the main campus, on Corlear Ave. between 238th and 240th Sts., a block west of Broadway, with parking located on the south side. Phone for the library (hours, etc.) is (212) 920-0165.

MUSEUM OF RADIO & TECHNOLOGY. This organization, in Charleston, WV, has done a lot of structural work in the past year: new roof, upgraded insulation, improved heating and air conditioning, a refloored auditorium, etc. Lloyd McIntyre reports that four ex-classrooms (of 1000 square feet each) are currently outfitted with displays, plus show cabinets in the auditorium and other strategic locations. The building has a gift/book shop, library, a room dedicated to early hi-fi, and a banquet hall. At this point, the museum has 100 or so tours booked for 1998. It has been open on Saturdays and Sundays all along, and will add Fridays from April 14 to next November. Future plans, fueled by past success in getting municipal and other grants, will include repaving the parking lot to take tour buses better, and upgrading the kitchen.

The contact number for more details is (304) 525-8890. The Museum's Web site has a complicated URL, but can be reached by searching for "antique radio museum" on Yahoo.

MUSEUM OF THE NEW SOUTH. A low-cost/low-risk way to get radio history to the public is to provide displays for an existing museum. For several years, this has been the tactic of the Niagara Vintage Wireless Association with the Amherst Museum outside Buffalo, NY. Now the Carolinas Chapter of AWA has done similarly, with an exhibit at the Museum of the New South in downtown Charlotte, NC that will run until June. Geoff Bourne of the West Virginia museum has seen it and was impressed: it starts with a recreated '20s radio store stocked with a full array of contemporary radios, including a working battery set that the visitor may tune. There are also displays of local radio history (WBT, etc.), and an exhibit of the evolution of radios up through the plastic and transistor modes of the present. Lest car radios be ignored,

there's a '55 Chevy dashboard, replete with radio! Organizers of the display include the Hite-Lawrence-Lozier axis, famed for high-quality equipment-contest exhibits at Rochester, so it is easy to imagine they did a good job.

PAVEK MUSEUM OF BROADCASTING. This location, just outside Minneapolis, has recently bought its building, giving it a stability shared by the West Virginia museum and few others. Brian Belanger wrote a rather warm description of the Pavek in the MAARC newsletter for Dec. 1993 (also see *Old Timer's Bulletin*, May, 1994). The museum is successful in attracting donations: the latest "hot" one is a genuine Marconi coherer for the wireless collection, but other recent trinkets include an RCA 44 microphone from a local radio station, a Philco Predicta clock radio (the clock's in a separate housing on top!), a pair of 1958 "Hit Parade" transistor radios, a 1938 Majestic "Charlie McCarthy" set, and a crisp RCA CR-88 comm receiver. The site is at 3515 Raleigh Ave., St. Louis Park, MN 55410-0030, (612) 926-8198. Museum member-contributors get a photo-rich bimonthly "newsletter" (8½ x 11" size, typically 12 pages) that's closer to a magazine. They also get free admission and reduced prices on goods from the Museum bookstore.

RADIO HISTORY SOCIETY. RHS, a museum-development group spun-off (in a friendly way) from MAARC, has recently signed a memo of understanding with George Washington University in Washington, DC. The objective is a radio-TV museum and library on the GWU campus. The initial result will be a six-week exhibit, "Washington's Broadcast Legacy" (April 20 - May 26), in the Colonnade Gallery on the third floor of the Marvin Center (800 21st St. NW, two blocks from the Foggy Bottom Metro station). Themes to be covered are C. Francis Jenkins' Washington-based development work on scanning-disc TV, the role of the National Radio Institute in training generations of technicians, and historic Washington-based broadcasts.

Next step will be transfer to the GWU library of the large RHS literature collection, with suitable (\$\$\$) treatment to stop long-term deterioration. The long-run objective is permanent museum space.

RHS donors (\$15 gets basic membership) get a news-

letter with the latest developments; checks payable to "Radio History Society" can be sent to Michael Rubin, RHS Treasurer, 1427 Woodman Ave., Silver Spring, MD 20902. Contributions are tax-deductible.

WALL TOWNSHIP, NJ. There is a possibility that a township-sponsored museum location will open up in Wall Township, just outside Ft. Monmouth. The building is, of all things, a one-time American Marconi 45-room hotel that housed wireless operators for the Belmar receiving site. Marconi later sold the building to the Signal Corps, which used it as office space in its Camp Evans development laboratory. Community sponsorship of this building as a multi-user museum would make it possible for NJARC and/or other groups to establish a permanent display location. The site is historic, and not just from its Marconi connection; the Army's original radars (SCR-268 and -270) were developed there, and the 1946 and 1956 moon radars were nearby. Current information is available on the Web at www.infoage.org.

OTHERS. Three more museums to the south of us are covered in a review by Gordon Symonds in the Jan. 1996 *Oscillator*. All offer free admission.

The **National Institute of Standards and Technology Museum**, Gaithersburg, MD, is located just off I-270, about 20 miles NW of Washington. Take exit 11 (Quince Orchard Rd.) to the west, turn left at the second light (Clopper Rd.), and then right at the next light (Bureau Drive). The museum, which is in the Administration Building, is open normal business hours. Phone: (301) 975-2792.

The **Historical Electronics Museum** is located adjacent to Baltimore-Washington International Airport. It is off Rte. 295 (Baltimore-Washington Parkway) just north of the airport. Hours are: weekdays (except holidays), 9 - 3; first Saturday of each month, 10 - 2. Phone: (301) 765-3803.

The **National Cryptological Museum** is also located on Rte. 295, at the intersection of Rte. 32, near the National Security Agency building at Fort Meade, MD. This museum is about 8 miles SW of BWI Airport. Hours are weekdays (except holidays), 9 - 3; other times by appointment. Phone: (301) 688-5849.

"LAST SCR" DISCOVERED

For some years now, Fred Chesson, perhaps best known for his lists of military equipment numbers in the *AWA Review*, has been trying to figure out what the "last SCR" was. "SCR-838" was the final number assigned, before the Signal Corps went over to numbering under the "AN" (Army-Navy) system in 1942. But what "SCR-838" was was unknown; it appeared to be a radar device of some sort. Well, the information has finally surfaced: it was a mobile FM communications receiver, basically a BC-924 27-38.9 MHz receiver unit with the accompanying shock mount, etc., for mobile use - a receive-only version of the SCR-808 and -828 two-way radio systems used in tanks.

Meanwhile, Fred's digging into another "mystery" set: AN/GRR-4 - apparently a surveillance system using receivers R-92(/GRR?) and R-93(/GRR?). However, like most "spook" radios it's obscure. Anyone with info to contribute can reach Fred on (203) 754-4764 or, for those who let their keyboards do the talking, at fchesson@snet.net.

MORE ON SCHICKERLING

Scoop

One of the more enigmatic tube makers of the '20s was the Schickerling Products Mfg. Co., which claimed to have begun tube production in 1921 (apparently dodging RCA's patent-enforcement agents) and which lasted long enough to make Type 27s. The company had odd features in its early tubes, apparently in hope of beating the patent problem but also as "unique selling propositions." These included a horizontal construction of the elements with weird stacked triangular plates and, later, a "stabilizing" electrode claimed to be similar to a screen grid but not wired-out through the base. The tubes carried a triangular logo with the letters "T V T." They were directed to the radio-fan/replacement market, as opposed to equipment manufacturers. Schickerling may have had a marginal patent position, but was substantial enough to join the Radio Manufacturers Association.

The sacred writings of Tyne (*Saga of the Vacuum Tube*) barely touch on this mysterious company; Stokes (*70 Years of Radio Tubes and Valves*) reproduces a Schickerling ad and a tube or two; and *Tube Lore* has a list of 13 tube types from this firm. The best available word on this brand is an article by Alan Douglas in the *Old Timer's Bulletin* (June 1986). Douglas had severe doubts that the company's wacky tubes actually performed. He tried one of their TVT-200s in a healthy regenerative receiver and "could barely hear anything . . . could get no hint of regeneration." However, by the time the company was making 27s, the construction was standard.

Schickerling tubes are rare collectibles today. One gets the impression that Schickerling was just another quasi-bootleg tube maker from Newark. (Scoop's Rule: every third basement in Newark in the '20s was a source of either bootleg tubes or bootleg liquor.)

But not quite! Local tube-and-bulb collector Paul Weidenschilling has come up with some sales material from Schickerling, ca. 1933, claiming that the company had been around since 1898 and, like many other early tube makers, had been a light-bulb manufacturer. At that point they were located in Boonton, NJ, in a two-story brick building (torn down last year to build a MacDonald's). The claimed product line, with some internal duplications, was:

- Automatic Ultra-Violet Aquarium Heater for Tropical Fish
- Ultra-Violet Vapor Health Lamps
- Ultra-Violet Window-Glass Light Fixture Reflectors
- Ultra-Violet Water and Air Cooling Apparatus
- Ultra-Violet Surgical and Dental Supplies
- Morelite Helex Incandescent Lamps
- Polarair Motorless Electric Refrigerators
- 8 in 1 Automatic Electric Safety Fuses
- Automatic Electric Water Heater
- Tropical Fish and Aquatic Specialties
- Ultra-Violet Sun Lamps
- Ultra-Violet Water Purifiers
- Automatic Cloth Cutting Marker
- Two-in-One Light Bulbs
- Electric Appliances
- Radio Tubes
- No-Glare Auto Lamps
- Television Tubes

The company, capitalizing on the ultra-violet health-ray fad of the '20s, claimed to have a lamp that could be used in an ordinary socket - no ballast coils, etc. Paul thinks that at least one version of this lamp used a tungsten filament (which inherently produces a certain amount of UV) inside a fused-quartz bulb (which transmits UV). The company also claimed to have a helium-filled UV lamp.

Besides the Schickerling tubes listed in *Tube Lore*, the company's ads mentioned a PS 10 (5-V 1/4-A detector/amplifier in a tipped tubular bulb) and a PS 15 (5-V 1/4-A power tube in a tipped spherical bulb), both with the odd "stabilizing electrode." Like other tubes advertised by the company, it's not known if these were actually made.

The later fate of the company (by then, titled Schickerling Industries and Schickerling Electric Products, Inc.) is unknown; it's absent from the 1941 *Industrial Directory of New*

SCHICKERLING

**SUPER D. X. AMPLIFIER-DETECTOR
THE LAST WORD IN RADIO TUBES
BOY SCOUTS AND OTHERS!**

You can make real money after school or in the evening.
You can devote part or full time.
You can represent The Schickerling Products Manufacturing Co. in your town or neighborhood.
It's easy and interesting.
Radiofans that use a tube set must have tubes.
Our proposition will interest you.
Experience not necessary. Write us today and let us tell you about it.

SPECIAL DETECTOR
"The Tube You Have Been Waiting For"


Model S. 200—6 Volt, 1/4 Ampere Plate Voltage, 16-45.....\$5.00

MODEL S. 300
1 1/2 Volt Dry Cell Tube, 1/4 ampere standard base. For one dry cell use.
\$5.00

MODEL S. 400
3-Volt Dry Cell Tube, 1-10 ampere standard base. Works well on two dry cells. Detector and amplifier, 22 to 90 volts.
\$5.00

MODEL S. 500
6-Volt, 1/4 Ampere, Super Amplifier, standard base. Exceptional volume. Amplifies at 45 to 90 volts. Fine detector, 22 to 45 volts.
\$5.00

MODEL S. 700
6-Volt, 1/4 Ampere, Power Tube, standard base. For loud speakers of any make. Clear as a bell. No distortion. 90 to 120 volt plate battery.
\$7.00



SCHICKERLING

PRODUCTS MFG. CO.
313 Halsey St., Newark, N. J., U. S. A.
Open Evenings Until 8 O'Clock

Made Under License of UNITED STATES PATENT RIGHTS BY

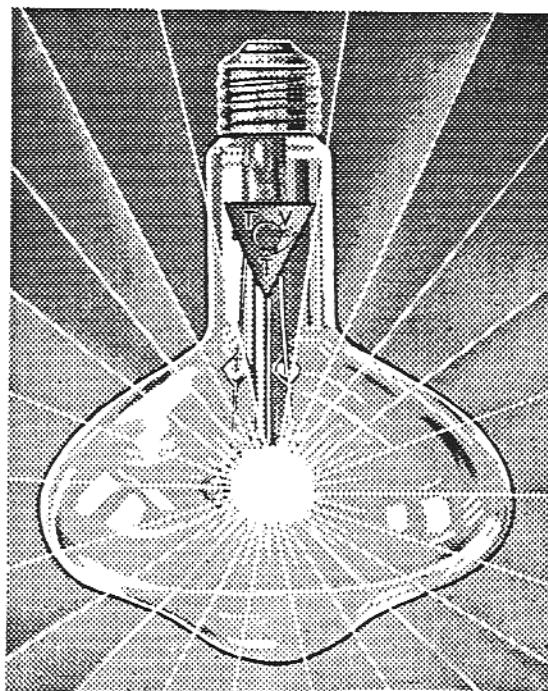
Radio News, April 1924.

Jersey. It's not mentioned in any of several short histories of electronics in the Boonton area, and may have been just another victim of the Depression.

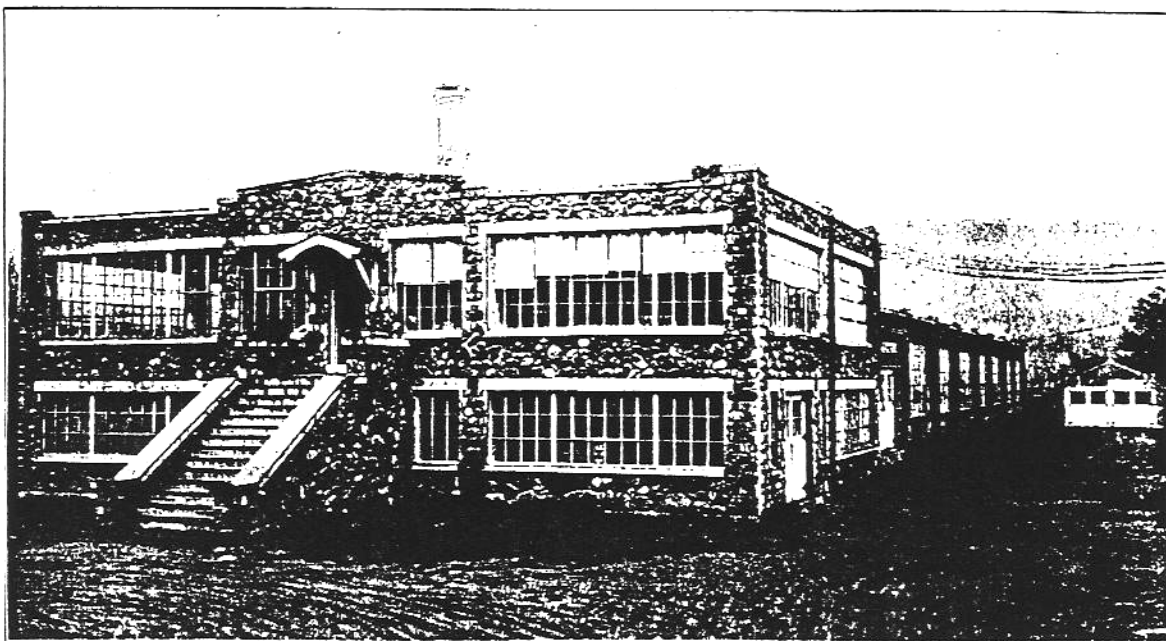
The company had advertised its radio tubes on billboards and via the weekly "Schickerling Crystal Gazers" program on the WEAJ (later, NBC Red) network, which included Philadelphia's WLIT. Just for grins, here's the starting repertory for a typical Gazers program:

1. Ensemble: *Song of a Pirate*
2. Ensemble: *The Heart Bowed Down* from *The Bohemian Girl*
3. This Week's College Song: *Syracuse*
4. Orchestra Selection: *Firefly*
5. Ensemble: *Sweet Genevieve*
6. Ensemble: *Cross Your Heart*
7. Ensemble: *Some Sunny Day*

Know the
Schickerling
Lamp
by
Its
Shape
—
Beware
of
Imitations
and
Cheap
Substitutes



Millions of
Schickerling
Products
Have Been
Sold Since
1898
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TWO YEARS AGO, THE BIG BUZZ WAS DINOSAURS; NOW IT'S THE TITANIC. HERE'S OUR CONTRIBUTION.

ELECTRICITY ON A MODERN LINER

Electrocraft, Aug. 1911, p. 547.

The 45,000-ton White Star liner, Titanic, which was launched last week at Belfast, has a very powerful installation of plant for power and lighting. For generating current four 100 kw. engines and dynamos are fitted in a separate water-tight compartment aft of the turbine room at tank top level. The engines, which indicate each about 580 horsepower, are of the Allen vertical three-crank compound, enclosed forced lubrication type, running at 325 revolutions per minute. Each set has one high-pressure cylinder, 17 in. in diameter, with a 13 in. stroke. They take steam at 185 pounds pressure per square inch. The engines exhaust either into a surface heater - which is the usual sea-going condition - or to the condenser. Each engine is direct coupled to a compound-wound continuous current dynamo, with an output of 100 volts and 4,000 amperes [*although this doesn't square with the previous figure of 100 kW - Ed.*], so that their collective capacity is 16,000 amperes. The dynamos are of the ten-pole type, and are fitted with interpoles. In addition to the four main generating sets, there are two 30-kw. engines and dynamos, placed in a recess off the turbine room at saloon-deck level.

These sets can be supplied with steam from either of several boiler rooms, and will be available for emergency purposes. They are of a similar description to the main sets, but the engines are of the two-crank type. The distribution of current is effected on the single-wire system, and is controlled and metered at a main switchboard placed on a gallery in the electric engine room, to which the main dynamo cables and feeders are connected. The latter pass up through port and starboard cable trunks to the various decks, radiating from the ends to master switch and fuse boxes grouped at convenient points in the machinery spaces and accommodations, from whence run branches to the distribution fuse boxes scattered throughout the vessel, controlling the lamps and motors. A complete system of electric lighting is, of course, provided, as well as for motive power, including no fewer than 75 motor-driven "Sirocco" fans from 55 in. to 20 in. in diameter, for ventilating all the passenger and crew spaces, as well as the engine and boiler rooms. All fan motors are provided with automatic and hand speed regulation.

FIRST CLASS MAIL



■ NEXT MEETING, APRIL 14.

