

TUNING IN TO YESTERDAY

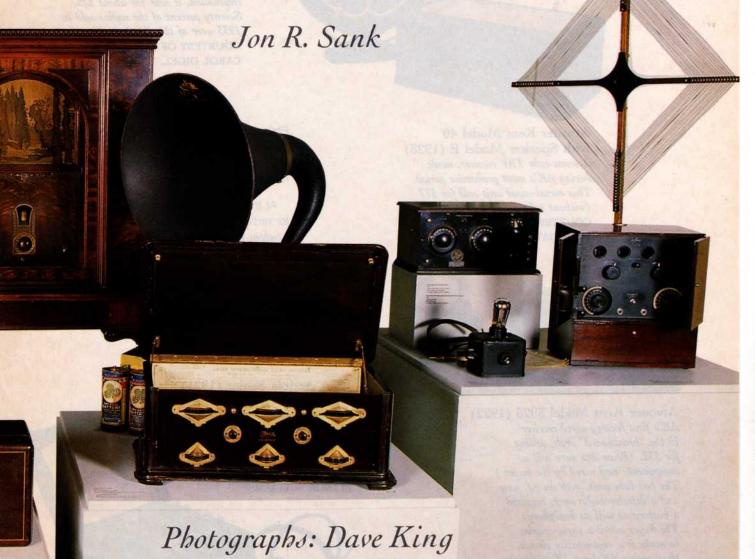
Vintage Sets from the Golden Age of Broadcasting 48 **AUDIO/JANUARY 1992**



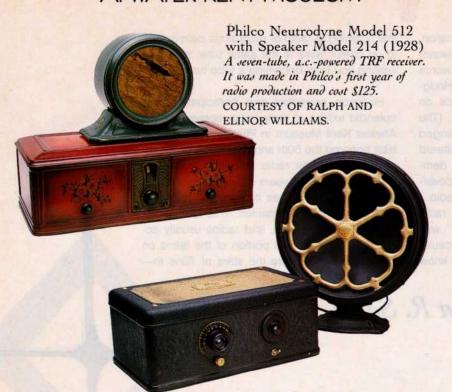
"Sit back, relax . . . turn on your imagination, and pull your easy chair closer to the Atwater Kent's tapestry-covered speaker." These words were heard nightly in 38 states as Gary Hodgson introduced his show Radio Classics on clear-channel WCAU-AM in Philadelphia. (The program ended when the station changed hands in 1990.) Hodgson's loyal fans, scattered throughout the eastern and central states, demonstrated that people of all ages are discovering or rediscovering the magic of early radio. I especially enjoyed his rebroadcasts of radio drama, and I learned that the "picture" was much better on radio than on television because it was in my mind. Of course, audiophiles know

that listening to radio or recordings permits you to do useful tasks at the same time, thus preventing you from becoming a tube turnip.

Hodgson promoted and participated in a splendid exhibit of early radio receivers at the Atwater Kent Museum in Philadelphia. The exhibit honored the 50th anniversary of the museum's founding by radio magnate A. Atwater Kent, as well as 48 years of service by his son A. Atwater Kent, Jr., as its founding president and later president emeritus. This is Philadelphia's history museum, and radios usually account for only a small portion of the items on display, but they were the stars of *Tune In*—



ATWATER KENT MUSEUM



Atwater Kent Model 40 with Speaker Model E (1928) A seven-tube TRF receiver, made during AK's most productive period. This metal-cased unit sold for \$77 (without tubes).

COURTESY OF ATWATER KENT FOUNDATION.



Atwater Kent Model 3925 (1922)

AK's first factory-wired receiver in the "breadboard" style, selling for \$32. (Prior sets were sold as components and wired by the buyer.)

The two-tube unit, with an r.f. amp and a detector/audio amp, required a battery as well as headphones.

The buyer added a vario-coupler to make it a regenerative circuit, thus saving AK from infringing on the Armstrong-RCA patent.

COURTESY OF RALPH AND ELINOR WILLIAMS.

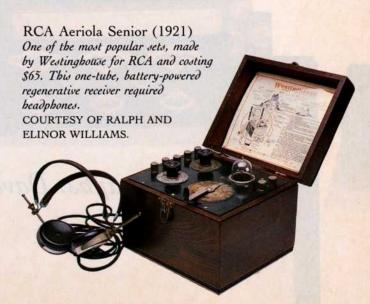


Philco Model 81 (1933)
A four-tube superheterodyne receiver.
Designed for low cost because of the Depression, it sold for about \$25.
Seventy percent of the radios sold in 1933 were of this "cathedral" style.
COURTESY OF BILL AND CAROL DIGEL.



Philadelphia Radio, 1920-1950. Although the exhibit included some memorabilia from local broadcasting stations, most of the items were radio receivers from the '20s, '30s, and '40s.

At that time, Philadelphia was a world center for radio manufacturing. From 1927 to 1928, the Atwater Kent Co. sold one million sets, becoming the world's largest maker of radios. Philco, also based in Philadelphia, made only batteries for radios until 1928, when it first made its own sets, selling 96,000. Just across the Delaware River in Camden, New Jersey, RCA took over





Transformer



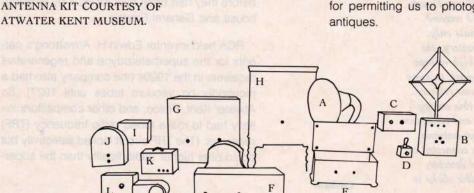
ATWATER KENT MUSEUM



het.) To compete with the more advanced superhet circuit, the TRF sets had various hightech-sounding names, such as Neutrodyne, Synchrophase, and Radiodyne.

After the museum exhibit closed but prior to its dismantling, Audio was granted the privilege of photographing the display. The pictures here show the most popular radios of the Golden Age of Broadcasting, each representing an important milestone in the history of its manufacturer. (The notable exception is the one-of-akind spark-gap transmitter/receiver.)

I am indebted to the Atwater Kent Museum and to Curator of Exhibits John Mayer for providing detailed information on the exhibit, as well as to the owners and donors of the radios for permitting us to photograph their precious antiques.



The changing face of radio receivers. 1921 to 1941 (see opening pages)

TWATER KENT

RCA Radiola 60 with

Doublet Antenna Kit

Type D (c. 1927)

Model 103 Speaker (1928).

shown with Atwater Kent

The first superbeterodyne receiver

developed RCA beater-cathode tube

RALPH AND ELINOR WILLIAMS.

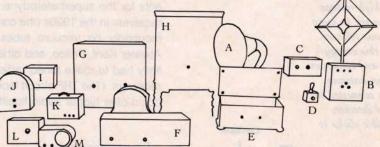
(Type 27), which reduced audio hum.

RADIO AND SPEAKER COURTESY OF

powered by a.c., costing \$147. This nine-tube set used the newly

- A. Magnavox R-2 born speaker (c. 1921). COURTESY OF DELAWARE COUNTY INSTITUTE OF SCIENCE, JOHN WORK COLLECTIONS.
- B. DeForest D-10 (1922). COURTESY OF PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION.
- C. Transcontinental/Gimbel Brothers Type ZR-4 (1924). COURTESY OF RALPH AND ELINOR WILLIAMS.
- D. Crosley single-tube Pup (1925). COURTESY OF BILL AND JANE DENK.
- E. Grebe Synchrophase (1925; see separate photo).
- F. RCA Radiola 17 with matching Model 100A speaker (1927). COURTESY OF RALPH AND ELINOR WILLIAMS.

- G. Atwater Kent Model 44 "highboy" in Red Lion cabinet (1928). COURTESY OF RALPH AND ELINOR WILLIAMS.
- H. Philco Model 95 "highboy" (1929). COURTESY OF BILL AND JANE DENK.
- I. Atwater Kent Model 275 (c. 1933). COURTESY OF RALPH AND ELINOR
- J. RCA Victor Model 4-T "cathedral"-style set (c. 1933). COURTESY OF BILL AND JANE DENK.
- K. Philco Model 40-125 (c. 1939). COURTESY OF ATWATER KENT MUSEUM, ESTATE OF ROBERT C. ALEXANDER.
- L. RCA Model 75X18 (c. 1940). COURTESY OF RALPH AND ELINOR WILLIAMS.
- M. F.A.D. Andrea Model 1000 with Art Deco design and plastic case (1941). COURTESY OF BILL AND CAROL DIGEL.



Atwater Kent Model 10 with Model L Speaker (1923) AK's most popular "breadboard"-style radio, a five-tube, battery-powered, factory-wired set. About 15,000 sold at \$37.50 each. The Model 30 (background) was similar but had ganged condensers and was housed in a cabinet.

MODEL 10 COURTESY OF ATWATER KENT MUSEUM, GIFT OF PAUL CLAPFFER IN MEMORY OF FRANK LUDTKA. MODEL L COURTESY OF ATWATER KENT FOUNDATION. MODEL 30 COURTESY OF RALPH AND ELINOR WILLIAMS.



