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# THE HORN SPEAKER

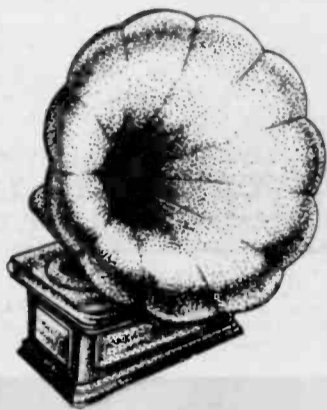
THE

JOHN HERBERT ORR

COLLECTION



# MUSEUM NEWS

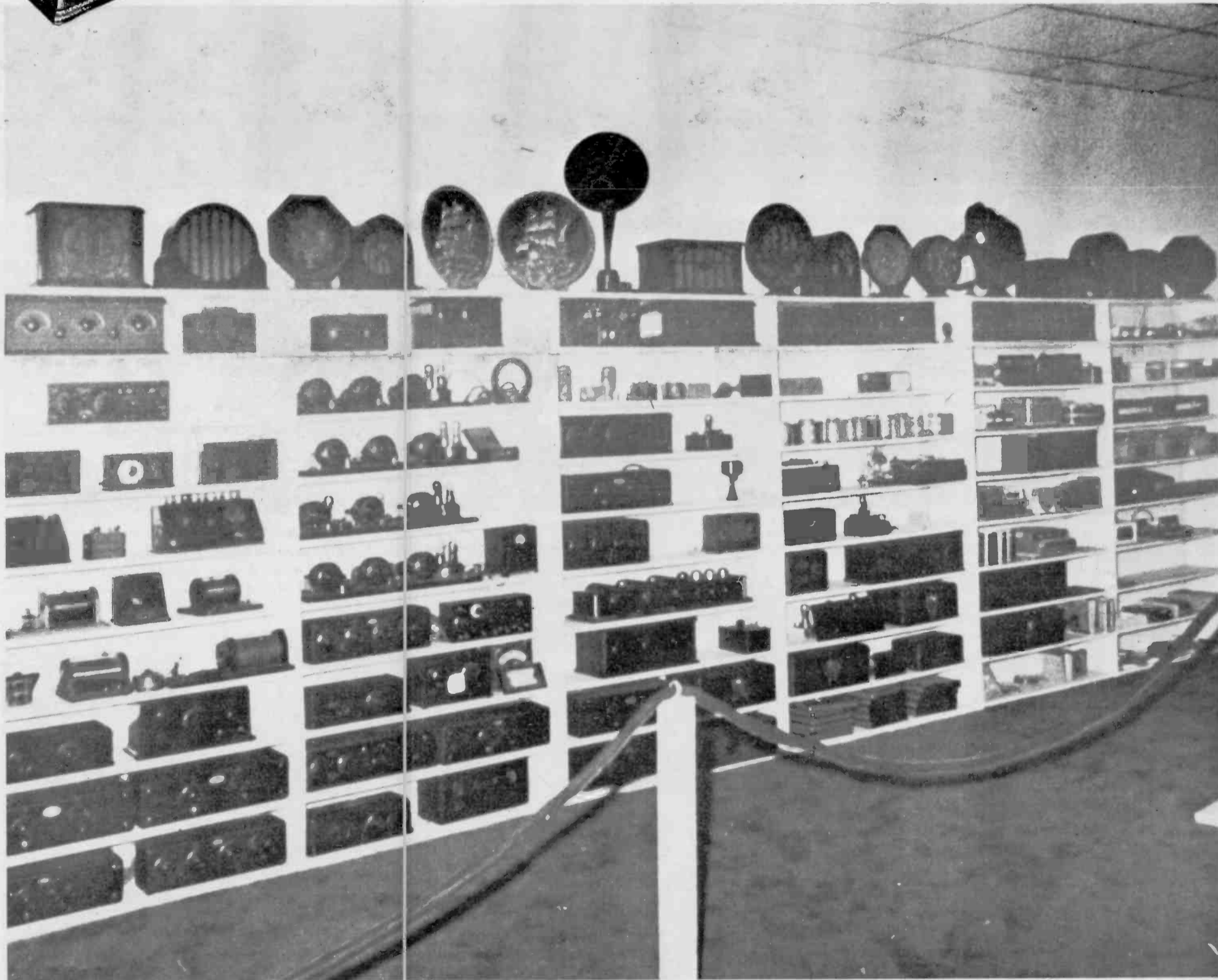


**J. Herbert Orr  
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Phone 205/749-8261

The John Herbert Orr Collection brings back to life the faded sounds of yesteryear, Edison reciting "Mary had a little lamb," Caruso sobbing through Paglicci, Rudy Valley bidding "Hi Ho Everybody," and the Kingfish saying "Buzz me Miss Blue." It brings back the memories of cold winter nights and shared earphones while the dials of the Atwater Kent were tuned with Jimmy Valentine precision to bring in KDKA from Pittsburg or the First Nighter program from WFAF sponsored by Italian Balm. If you were a teen in the thirties, then memories of winding up the Victrola and putting on a record in the church parish hall for the modest dances of that era, will flood back with the sight of the Victor machines, with the pup listening to his master's voice on the logo inside the cover.

History lives on in the John Herbert Orr Collection.

The oldest Edison machine on display is the famous Gem cylinder unit produced in 1901. This series started in 1898 and continued with various improvements until 1908. The compact model shown played four-minute brown wax cylinders and had a better spring motor, a stop-start regulating device and a knob that controlled the governor speed or could be moved in or out for braking.



**POSTAL IDENTIFICATION STATEMENT**  
The Horn Speaker (USPS 956120) is published monthly, except July and August by Jim Cranshaw, 9820 Silver Meadow Dr., Dallas, Texas 75217. Subscription rates are \$8.50 per

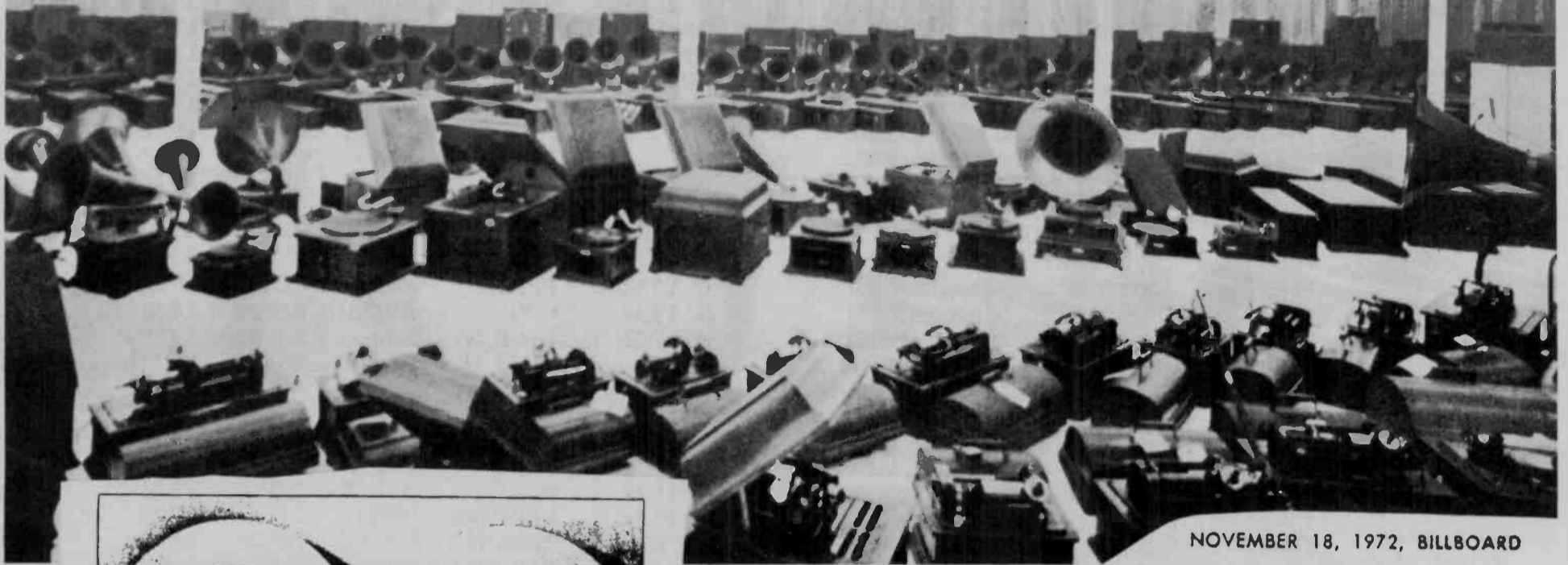
year, \$15.00 two years. Second-class postage paid at Dallas, Texas. **POSTMASTER:** Send address changes to The Horn Speaker, P.O. Box 53012, Dallas TX 75253. Subscribers, advertisers, photo-

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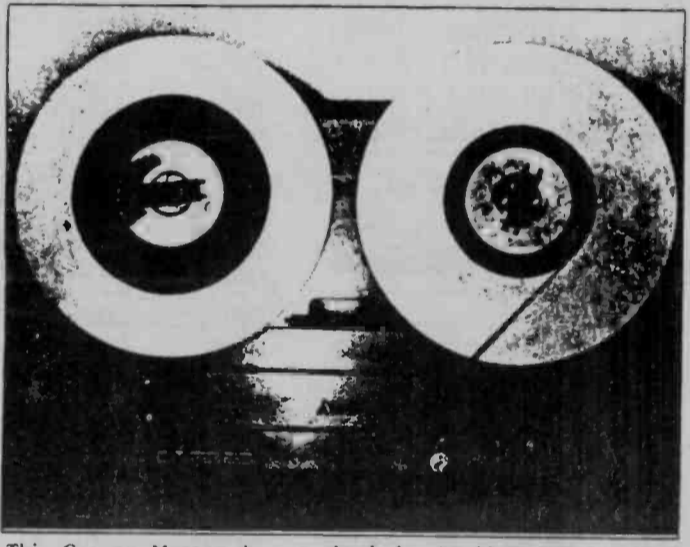
This collection, which has been appraised and declared the world's largest by no less an authority than Oliver Read, includes over 600 individual items from the Edison Gem cylinder phonograph to Rangertone #64, a post World War II American-made professional tape recorder.

A review of Oliver Read's latest edition, *from Tinfolk to Stereo*, reveals the broad range of antique phonographs that are in the Orr collection, since Read meticulously lists just about every development in the evolution of sound recording devices.

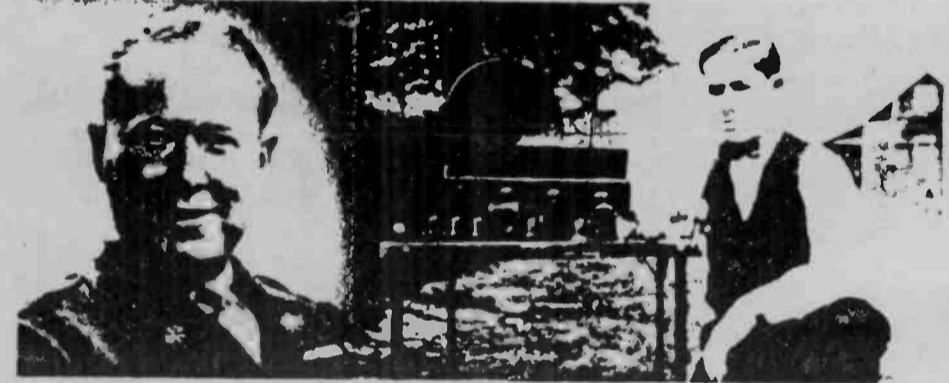
As told to Joe Roizen



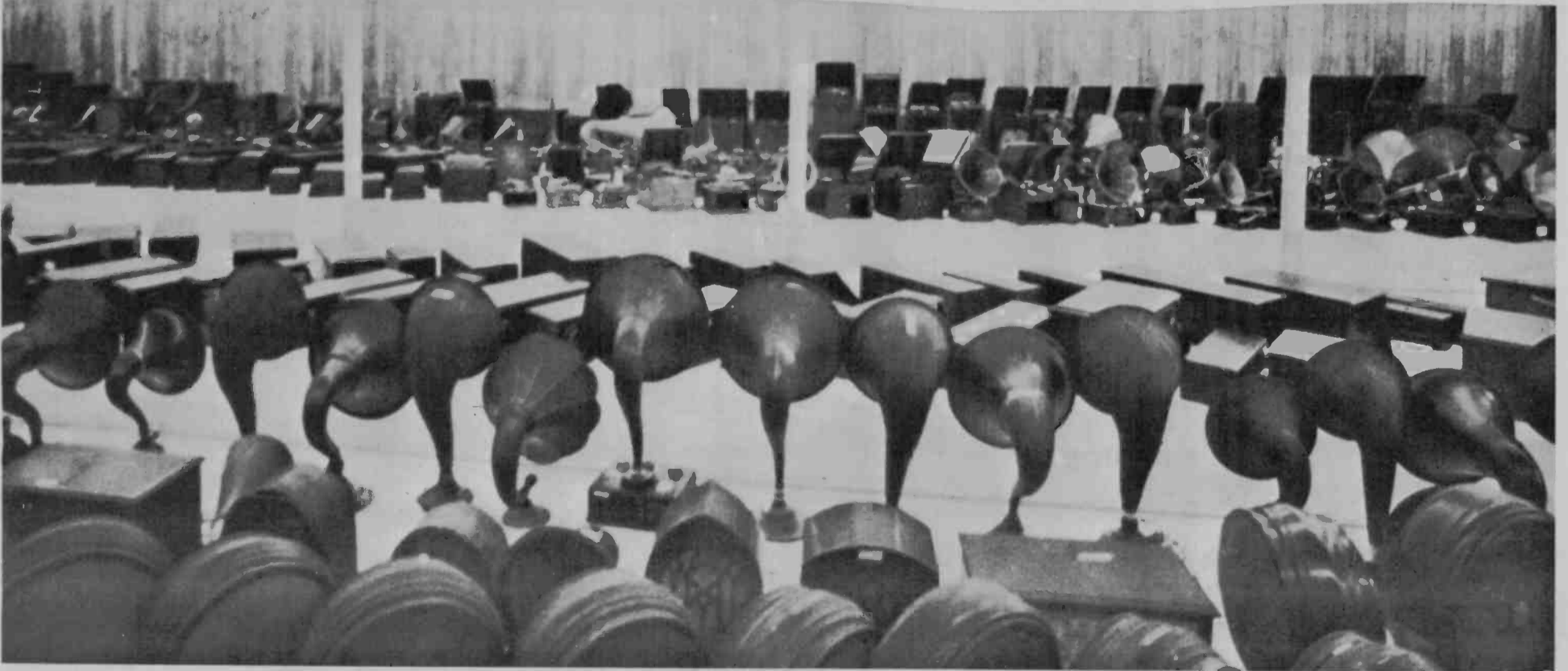
NOVEMBER 18, 1972, BILLBOARD



This German Magnetophon, made during World War II by AEG-Telefunken, used 1/4" tape running at 30 ips. There were no hubs on the reels and maximum playing time was 22 minutes. Three of these machines were captured at Radio Luxembourg after D-day. These war souvenirs served as the basis for US manufacture of the Ampex and Rangertone audio recorders.



(Left) Major Orr when he was radio engineering officer on General Eisenhower's staff at Supreme Headquarters, Allied Expeditionary Forces, during World War II at the time he first came into contact with magnetic tape. (Right) J. Herbert Orr as a teenager with radio receiver he built. Background setting is Alabama farm where he spent his childhood.

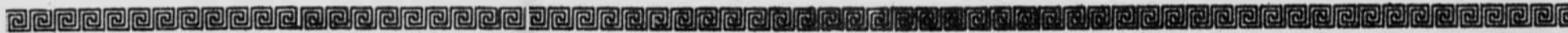


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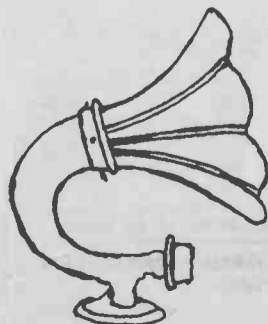


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by BRUCE C. EDGAR

continued

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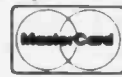
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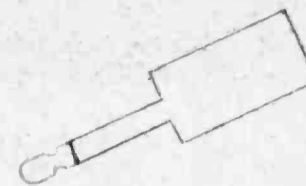


## RADIO TUBES

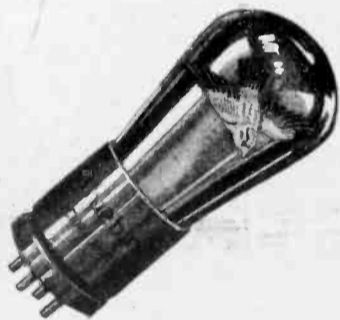
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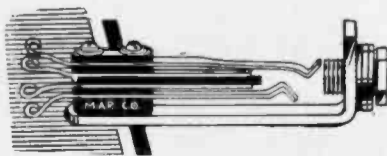


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- 13. Used power transformers. From \$5.00 to \$10.00. State your needs and we will send a quote. --
- 14. We cannot provide WD-11's but we can provide WD-11A's made with 864's in WD-11 bases. 864 tubes are new. Work better than WD-11. \$15.00 each or 2 for \$25.00. --
- 15. dial lamps - many types. state needs. 25 cents each or 5/\$1.00 --
- 16. Crystal set items - a) galena xtals \$1.45 each b) xtal detector ass'y w/xtal \$3.35 c) unmounted xtal detector ass'y without xtal \$2.00 each. --
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- 20. Olde tyme dial plates 25 cents each or 5/\$1.00 ---



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### DATING TUBES

by Bob Lane

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In 1924, the UX 112, 171, 222, 226, 227, 240, 280 and 281 were made for AC operated sets. The 245 was made in 1929 as well as the 224, the first screen grid tube.

All tubes before 1930 had three numbers except the WD 11 and WD 12. In 1930 the first number, which varied according to the manufacturer, was dropped. The 30 series emerged in 1930, the 50 series in 1931 and 70 series in 1932.

Tube envelope design changed from rounded top to pinched tops in 1931.

In 1932, the system changed to list filament voltage first, letters starting with "A" second and a final number designating number of active pins. The letters went up the alphabet until two letters were required such as the 6SA7.

Rectifiers were designated with letters from "Z" and then going backwards down the alphabet.

So generally, the higher the letters the newer the tube, except for rectifiers where the reverse is true.

From the BROADCASTER

By the Mid America Antique Radio Club  
4229 West 98th Street  
Overland Park, Kansas  
66207

## club news

\*\* : SPECIAL REPORT TO : \*\*  
\*\*\*\* THE HORN SPEAKER \*\*\*\*

ANTIQUE RADIO CLUB OF ILLINOIS  
The Antique Radio Club of Illinois held their Spring Meet at the Howard Johnson Motor Inn in Elgin, Illinois on February 7th. Over forty members were present for a spirited swap-sale session, old equipment contest and business meeting. Among the sets for sale were two Paragons RA-10's, Miraco F.W, Lawsam crystal set, AK-10, and many vintage battery and AC receivers along with numerous horn speakers and boxes of tubes and parts. The contest resulted in duo winners in the battery class with a Zenith 1-R and a fresh from the box Harkness Reflex sharing first place honors; a beautiful Century Mantel clock radio was first in the A.C. receiver class; a mint display of a Raditron doll, RCA globe, and RCA tapestry was first in the Anything RCA class; and a Sea-Tone speaker was first in the horn speaker class. The Sea-Tone speaker was also judged Best of Show by the judging trio of Dr. Ralph Muchow, Carmen Ambroggio and Charley Barone. During the business meeting the Antique Radio Club of Illinois membership voted to affiliate with the Antique Radio Club of America. Plans for our next meet (May 16th hosted by Burt Katz) were discussed and a committee consisting of Randy Renee, Nate Alexander, Barry Janov and Joe Willis was formed to spearhead our combined ARCI/ARCA/IHRS/MAARC Meet to be held at the Holiday Inn in Elgin, Illinois on August 7th, 1982. This will be a one day radio extravaganza followed by the Santa Fe Hamfest on Sunday (one of the largest hamfests in the Country). Details of the combined meet will be available to anyone wishing to attend by the first of March. Just drop me a line at: 525 Oakdale #524, Chicago Illinois 60657. An auction of junkers and clunkers was conducted by "Admiral" Larry Wright to help defray the cost of the meeting rooms. All in all, we considered this one of our most successful meets. Just ask Jim Troe who came all the way from Morristown, New Jersey.

Joe Willis,  
president of ARCI

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FOR SALE: 1920'S AND '30'S RADIOS, LOTS OF CATHEDRALS AND BATTERY SETS. Also wanted Grebe radios. Jerry Finamore, RD no. 2, box 623, New Castle, PA 16101 or call (412) 656-0338. SEND LARGE SASE FOR PICTURED LIST

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FOR SALE: SENTINEL MODEL 6241 tombstone battery radio \$18.00 plus UPS. Additional radios, parts - tube 75 cents each. SASE for list. Bruce Harbeck, 1316 - 38th St., Sioux City, IA 51104.

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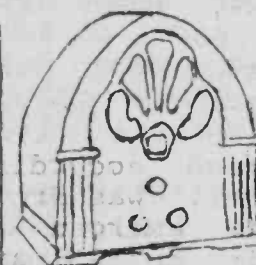


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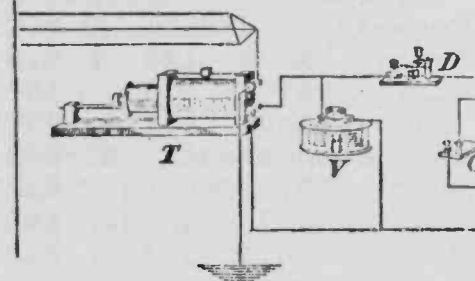
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1982



## PUETT ELECTRONICS

PUBLISHERS OF P.O. BOX 28572 DALLAS TEXAS 75228

ANTIQUE RADIO TOPICS &  
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