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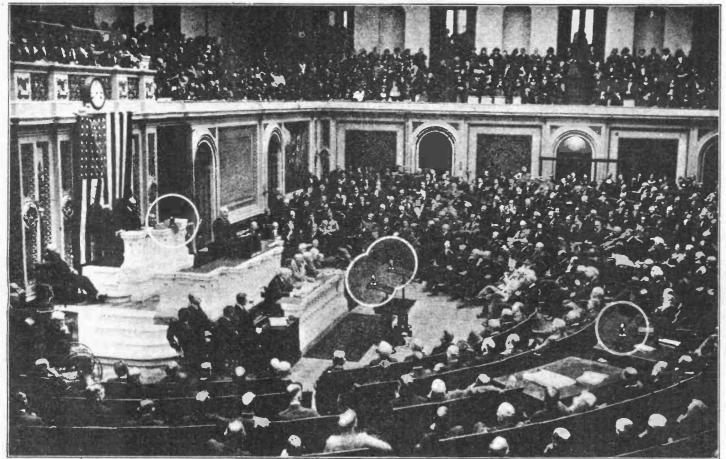
THE NEWSPAPER FOR THE HOBBYIST OF VINTAGE ELECTRONICS AND SOUND

THE HORN SPE

Radio News for February, 1923

First Broadcasting Presidential Message

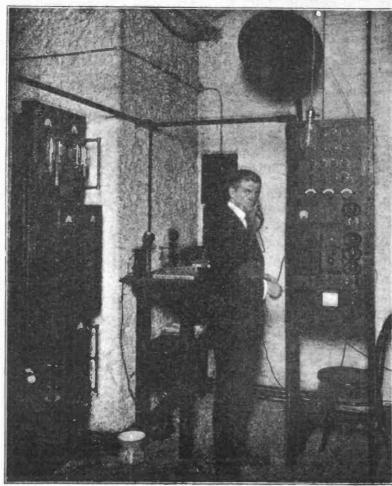
By S. R. WINTERS

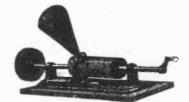


X THEN President Warren G. Harding delivered his message to a joint assembly of the House of Representatives and Senate, on December 8, for the first time in the history of the sessions of the American Congress the utterances of a President of these United States were heard by an invisible audience by means of the radio telephone. His pungent remarks, "There are conditions relating to its (Eighteenth Constitutional Amendment) enforcement which savor of a nation-wide scandal" and "Agricultural ill fortune is a national ill fortune," were heard with a distinctness within a radius of approximately 200 miles of the National Capital as did the members of the Cabinet who occupied front seats in the House of Representatives. The radical departure of broacasting the deliverance of a President is epochal, and radio telephony demonstrated certain advantages over Morse telegraphy and Bell telephony as a means of communication. The vastness of the area covered within the twinkling of an eye is a peculiar virtue of this vehicle of intelligence.

The voice of President Harding on the state of the Union, as he specifically addressed the Fourth Session of the Sixty-Seventh Congress, was probably heard by the largest audience in the history of the world. The seating capacity of the House of Representatives was occupied to the point of overflowing, thus constituting his visible hearers. The invisible audience, it would be hazardous to attempt to name its numbers, was comprised of the thousands of owners of radio-telephone receiving outfits who were apprised of the deliverance of the message and those who had the inclina-tion to "listen in." A microphone mounted on a pedestal, located about four feet from

In the Picture Above, Showing President Harding President Harding Delivering His Message to Congress, May Be Seen Several Microphones, Out-Lined with White Circles, Which Were Installed at Various Places to Pick Up the Voice. On the Right is Shown the Amplifying De-Right is Shown the Amplifying Device Installed in the Cellar of the Capitol by the Western Electric Co. In Front of the Operator is a Speech Amplifier Composed of Four Tubes. The Speech, After Being Amplified by This Apparatus, Passes Into the Second Power Amplifier on the Amplifier on the Left Side Panel Upon Which May 50-Watt Tubes on Top and at the Bottom, the Last Two Power Tubes of 250 Watts Each. From This Each. From This Installation, the Voice is Carried Through Wires to the Loudspeakers Installed at Various Places and Also to the Navy Broadcasting Station, NOF.





PHONOGRAPH CENTENNIAL 1877 - 1977

the rostrum on which President Harding stood, received the voice vibrations. From this cup-like device, the sound waves were conveyed by a telephone wire to the Naval Air Station, at Anacostia, D. C., approximately four miles away. Here, the United States Navy Department maintains a powerful radio-telephone transmitting outfit, the one in service at Schenectady, N. Y., under the direction of the Constal Electric Correction. the direction of the General Electric Company, alone exceeding its range as a radio-

telephone sending station.

The message of the Chief Executive of the Nation, having been relayed to Anacostia along a telephone line built by the Chesapeake and Potomac Telephone Company, was broadcast on 427 meters. The daylight effective range of the radio-telephone transmitter at the Anacostia Naval Air Station is approximately 200 miles, compared to a radius of 750 to 1,000 miles at night. The utterances of the President borne on the medium of electro-magnetic waves, transmitted from Anacostia, were received by newspapers and other radiotelephone stations in the east, west, south, and north and re-broadcasted to another invisible audience. The Pittsburgh Post, Chicago News, Indianapolis News, St. Louis Post-Dispatch, Kansas City Star, and Denver Post covered the Western half of the country as with a blanket. Northward, wireless stations in Philadelphia Newark, and the American Telegraph and Telephone Company in New York disseminated the words of President Harding. In the south, the Louisville Courier-Journal and Times, and other newspapers maintaining wireless receiving and sending apparatus, "picked up" the message on 427 meters from the Naval Air Station and re-broadcast it to thousands of radio-telephone receiving sets

The dignified Secretary of State, Charles F. Hughes, who occupied a front seat in the House of Representatives, was in com-mon with the rural dweller in the isolated farmstead or the boy in the "red school-house" on the hill, in hearing the voice of the Chief Executive of the Nation if the latter perchanced to own a wireless receiving outfit. Fortunately, Mrs. Harding was not denied the privilege of hearing the voice of denied the privilege of hearing the voice of her distinguished husband on this occasion, since a radio-telephone receiving apparatus was available in the White House, where she has been convalescing from a serious illnas been convalescing from a scrious in-ness for several months. Until her illness the "First Lady of the Land" had accom-panied President Harding to the Capitol on every occasion that he addressed a joint sitting of Congress. Unable to attend this time, the "wonderful wireless waves," part at least, counteracted the disappointment of forced detention in the White

in resonance with the transmitters.

the President to Anacostia was installed by the Western Electric Company, and the local telephone company projected a telephone wire from the Capitol to this point. To the microphone was attached three telephone circuits, with direct connections to the Anacostia Naval Air Station. Only one of these electric circuits was employed in conveying the message of the President. The second circuit was used as a so-called "order wire," thus affording means for telephone engineers to conduct conversations while ob-

serving the action of the voice of the President as it was relayed for a distance of about four miles. This observance contemplated the maintenance of an evenness of tone as the voice was impinged on the microphone, and then conveyed by wire to Anacostia. The third electric circuit in the series was an emergency unit, which would have avoided a complete disruption of the service in the event of a breakdown of the other two telephone lines. the most part, duplicated that in operation when the addresses of the speakers at the dedication exercises of the Lincoln Memorial were relayed to Anacostia and Arlington, from which points they were broadcasted by radio telephone. Also a similar service was maintained at the ceremonies incident to the burial of the "Unknown Soldier" in Arlington Cemetery.

The radio-telephone installation made in the House of Representatives for the dissemination of the message of President Harding is of a permanent character. This fact, however, does not give assurance that the proceedings of Congress will be broad casted by radio telephony or wireless teleg raphy. The "doings of Congress" may eventually be radiated throughout the United States, but such action is not a certainty at this time. Such a service contemplates the use of a high-power radio-telephone transmitting station, the operation of which, of course, involves the expenditure of money. The wireless telephone and telegraph trans mitting stations of the United States Navy Department are dedicated to other services the dispatch of naval business and the broadcasting of serviceable communica tions from allied Government departments On this occasion permit to use the radio

telephone transmitter at the Anacostia Naval Air Station was granted by Commander S. C. Hooper, head of the Radio Division. Bureau of Engineering, United States Navy Department. Somebody, however, ventures the prediction that Congress will eventually authorize an appropriation and construct its own high-power transmitting station, whereby the proceedings of the House of Representatives and Senate may be instantly and widely disseminated. This prophecy, sponsored by a radio engineer of a Government department, is partially based on the anticipated favorable reaction of the precedent established in "blanketing" the deliverance of Warren G. Harding over the continent by means of the radio telephone.

The first step was taken by Mr. Campbell

The first step was taken by Mr. Campbell of Kansas, who submitted the following resolution:

H. RES. 465. 67TH CONGRESS, 4TH SESSION IN THE HOUSE OF REPRESENTA-TIVES.

December 11, 1922.

Mr. Campbell of Kansas submitted the following resolution; which was referred to the Committee on Rules and ordered to be printed.

RESOLUTION.

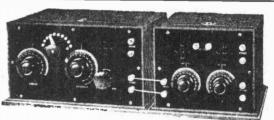
Resolved, That the Speaker is hereby authorized and directed to appoint a select committee of five Members of the House who shall make full inquiry into the matter of the permanent installation in the House wing of the Capitol Building and in the Hall of the House of Representatives of the apparatus or device, now experimentally in operation therein, designated as a "Public address or voice amplifying system." Such

committee may sit during the sessions of the House and shall report to the House at the earliest practicable date its recommendations as to the desirability and advisability of such system for use in the House of Representatives, together with detailed information covering the cost of installation, operation, and maintenance. The Architect of the Capitol Building and the Clerk of the House of Representatives shall assist said committee in the discharge of its duties hereunder.

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We average over 300 orders/letters a MONTH, even with a S. A. S. E. we have been very slow in answering each one, this is due to internal problems, plus the volume of mail!!! Many FIRST TIME collectors got impatient with us and had to write to this Publication to find out who we are. We have corrected this and/or refunded all monies where applicable. We feel we owe you all an explanation. At HRS, I'am just an individual collector like many of you and do this as a hobby sideline. We run a Wholesale Auto-Home Speaker and Electronic accessories business for a living!! Being in this business allows us to make contact with many firms such as surplus, parts house etc., many which have alot of old parts collecting cobwebs and they do not know what to do with such....usually if no buyer can be found...they sell it to the junk yard for salvage!!!! The L. A. Area is very large and we know of vast surplus of equipment waiting that would fill many warehouses, of course much does not pertain to our hobby, but there is so much to go around, if each expert collector would specialize and take part of it, many parts could be made available to everybody. Here today, gone tomorrow!!!!!! I found this out working as the OFFICIAL OLD TIME RADIO REPRESENTATIVE FOR PHILCO, (they route all customers to us) we been doing this the last five years, plus handle orders and inquiries for the general public and have donated our time to educational institutes and radio stations. If we can not help, we route all through OUR DIRECTORY to those who can on an individual basis as well as all our hobby publications such as the Horn Speaker. 95% of the time we can help in any situtation. Many readers think these parts and services can be secured by going down to your local major Electronics Store and buying them the same day....far from the truth. It takes years of knowledge and collecting like any other field. All this is listed in our latest directory, in one form or another. Of the complaints, (all organizations get them) we have received it is very easy to put them in each category: Usually the First-Timer category: Those who order for the first time, want their order in a week (or reply) will not accept our acknowledged card or letter and can not wait for a refund, some wait till they get the order and even after they get the refund check will not send back the merchandise or pay for return postage.... at least make an effort to find out who we are or others you deal with. One Party formed his own opinion and accused us of running off to Mexico with his \$15 order. Why all this? We still have a great reputation, but all it takes are a few opions like this. A Canadian Vintage Wireless Assoication quote; "A GOOD NAME LIKE A GOOD FRIEND IS WON BY MANY ACTS AND LOST BY ONE." We also want to make an appeal to all the REAL EXPERT RADIO COLLECTORS TO LEND A HAND...so many readers of this publication, and all our other hobby papers need your support, help and services according to the volume of mail we receive...to other collectors who just collect on an INDIVIDUAL STATUS QUO and will hardly lend a hand only if they can benefit, change your ways...by being helpful...you collections will multiply beyond belief!!!! There are advantages and disadvantages living in a large city. There are more collectors and supplies to help, yet many do not even know their neighbors, in a small community and rural areas the Radios and parts that are very rare are plentiful, much cheaper, but the SERVICES and individual parts, collectors are NOT. Now bring in the general Public, wanting to get rid of or wants to repair just one set....it evens itself out!!!! Through our directory, we can route most any problem we can not solve .. city to country, general collector to general public, more parts, radios, services exchange hands and I feel the radio collector usually comes out far ahead in all area of our hobby than the general public...we should, we are more knowledged, plus our hobby is advanced. I personally know collectors who have collected only two years and have pass us at HRS many times over each year in all areas of our hobby....Also lend an extra hand and offer an organization you belong to such as the AWA, ARCA, SWVRPS, CVWA, NWVRS, MID-AARC, SCARS, RHSA, NIA, RCA, IHRS your services, the SAME OFFICERS, and people have to do all the work...which we all benefit from. Comparing the National Insulator Association to our Radio Organizations is like night and day...the NIA cost \$3.00 per year, in its 8th year and over 800 attended their National 1977 convention in Florida...with charted flights.. Are we behind? Why? Write: Brent Dingman HISTORICAL RADIO SERVICES, BOX 15370, LONG BEACH, CALIFORNIA 90815.

WE want to make an public apology to all HORN SPEAKER readers who have wrote or ordered from us the past six months.

THE HOHN SPEAKER ... 9725 Silver Meadow Drive, Dallar Torne Call'

THE SATURDAY EVENING POST

155



126

THE SATURDAY EVENING POST

January 10, 1920



EMERSON

November 5, 1938

SATURDAY

November 5

7:30 MST 8:30 CST

Breakfast Club: KGKO KTSM

KTOK

Fiddlers Fancy: KTUL KTRH WACO KRLD KTSA (sw-21.52) Dot & Mel: KNOW KTAT

KGFF-News KGGM-Rise & Shine KGNC Rhythm & Romance KOA-Swingtime KOMA-Church of the Air WBAP-Dr. A. H. Flickwir WDAF-Pecks on the Air WRR-News: Melody Shop

8:45 CST 7:45 MST Fiddlers Fancy: KMOX KWKH Ward & Muzzy, piano duo: WDAF KOA (sw-21.5)

KGNC-Classified Ads KNOW-Saturday Sunday School KOA-Mantle Lamp

KPRC Variety Prgm. KTAT-Be a Good Neighbor: Livestock Reports

KTSA-To You Beautiful Lady: Short Stories: Hollywood Milk-

WBAP-Educational Hour WLW-Synagogue of the Air 9:00 CST 8:00 MST Smilin' Ed McConnell, philosophy and songs (Ovenready Biscuits):

WLW WSM WDAF Three Romeos: KGKO WREN WOAI KGNC KTSM KOB (sw-

Pappy Cheshire's Hillbilly Champions: KTRH KOMA KWKH KTUL WWL KTSA KRLD WACO (sw-21.52)

Saturday Morning Club: WKY (sw-21.5)

Sunsetland: KNOW KFDM-What's New? KGGM-Woman's Club KMOX-Carolyn Pryce KOA-Carolyn Fryce
KOA-Home Service
KPRC-Morning Serenade
KTAT-NTAC Prgm.
KTOK-Songs You Forgot
KVOO-Alabama Boys
WRR-Camp Fire Girls
9:15 CST
8:18
Viennesse Ensemble: WRE

8:15 MST Viennese Ensemble: WREN KOB KTSM KGKO WLW (sw-15.21)

Pappy Cheshire's Hillbilly Champions: KMOX

Saturday Morning Club: KPRC

The Waltz Lives On: KNOW WRR

KFDM-Jungle Jim KOA-Sky Reporter KTOK-News Review WDAF-Address Dr. W. L. Wilson

8:30 MST 9:30 CST

Amanda Snow, songs: WKY KPRC KGNC KOA WDAF WOAI (sw-21.5)

The Child Grows Up, talk: KVOO (sw-15.21)

The Pet Club, Steve Severn: KNOW KTAT KBIX

Four Corners Theater, drama: WWL KOMA KTUL KRLD KWKH WACO KTSA KTRH (sw-21.52) Title: "Sunny Acres."

KFDM-Ward's Specials KGKO-Opening Markets: Oil City KMOX-Magic Kitchen: Jane Por-

ter & Rollickers KOB-Serenader KTOK-Studio Players KTSM-Around Town WLW-Mail Bag WREN-Weather: Hawaiian Strings WRR-Melba Kiddie Club WSM-Homemakers' Chat

9:45 CST

Swing Serenade: WREN KVOO KTSM KGKO KOB (sw-15.21)

Florence Hale Forum: KPRC WKY WDAF WOAI

Pauline Alpert, pianist: KGFF-KNOW KBIX KFDM-Dramas of Life KOA-Wells of Music KTAT-Northside Varieties KTOK-Aola Seary WSM-The Magic Hour

10:00 CST 9:00 MST Vaughn de Leath, songs: WREN KGKO (sw-15.21)

Cincinnati Conservatory of Music: KOMA KRI.D KTSA KTRH (sw-21.52)

No School Today, children's prom with Jolly Bill; Fields & Hall: KPRC WOAI WBAP WSM WKY KVOO WDAF (sw-21.5)

Raoul Nadeau, bar. & organ: KNOW KVSO

News: KGNC KTUL KTOK KFDM-Magic Hour KGGM-Woman's Club: Music KOB-Today on KOB: News KTSM-News: Magazine of Air KWKH-Know Our Schools WACO-Kiddie Theater Party

WHO-Public Service WLW-To be announced

10:15 CST 9:15 MST Radio City Four: WREN KFDM (sw-15.21)

Men of the Range: KNOW KTAT Markets: WKY WBAP KGGM-Woman's Club KGKO-News: Interlude KGNC-Music in Sentimental Mood KOB-Magazine of the Air KTOK-Four Collegians KTSM-Around Town KTUL-Sunday School Lesson WLW-My Health WRR-Murray Lambert's Orch.

9:30 MST 10:30 CST Our Barn: KTSM WREN KTOK KGKO KOB

Eastman School of Music: WOAI WSM KGNC WDAF (sw-21.5)
Music detail on page 9 this weel Conservatory of Music: KMOX

Army Band: KCRC KBIX KVSO WACO

KADA-News KFDM-Front Page Drama KNOW-Poll Parrott Club KOA-Jewel Box: Once Upon a KPRC-Day Dreamer Melodies KTAT-Half & Half KTRH-Kiddie Show KVOO-Kiddies Revue WFAA-Sunday School Lesson

WKY

WKY-Aunt Susan WLW-News: Livestocks: River: Weather & Markets

10:45 CST 9:45 MST Eastman School of Music: KOA

Army Band: WLW KPRC-Missing Persons Bureau: Detour Reports: Weather KFDM-Sweet Swing KTAT-Frances Kay, organist KTSA-Dr. I. Q., Jr. WFAA-Angelus Trio

11:00 CST 10:00 MST Bailey Axton, tnr.: WDAF KPRC

In the Music Room: KOMA KTUL WWL KWKH KRLD WACO KTSA (sw-21.52) Vocal Vogues: WQAI WKY WREN WSM KVOO KGKO KOB

KGNC KFDM This Wonderful World: KGFF KVSO KTAT WRR KNOW

KADA KGGM: Woman's Club KMOX-Let's Compare Notes

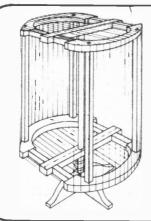


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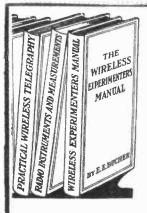
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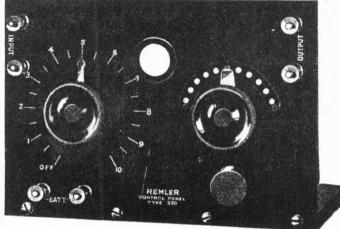
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Experimenters Information Service

A-Battery Potentiometer Plate Voltage Control

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December, 1926

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CROSLEY RADIO



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"RFL-75" 865
5-tubes. True cascade amplification; non-radiating ten under any mishading. Its perfect balancing achieved by Wheatstone bridge in each stage of amplification. Exceptional selectivity and tone.



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in a beautiful console of
two-tone mahogany finish and provides room
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Introducing the double drum station selector lincludes Musicone in exquisite console. Room for batteries and all accessories. 41 inches high, 30½ inches wide.



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filling volume. An exclusive Crosley feature.

ALL_METAL SHIELDED CHASSIS

This truly great radio achievement, found in several Crosley sets, furnishes a substantial frame for mounting elements, produces excellent alignment of condensers, shields the units from each

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THE SINGLE-DIAL
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Nothing in radio equals the
joy or the convenience of
single dial control. Crosley
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"THE ACUMINATORS" Crosley Acuminators permit tuning in—loud and clear —weak stations passed over and entirely missed by ordi-

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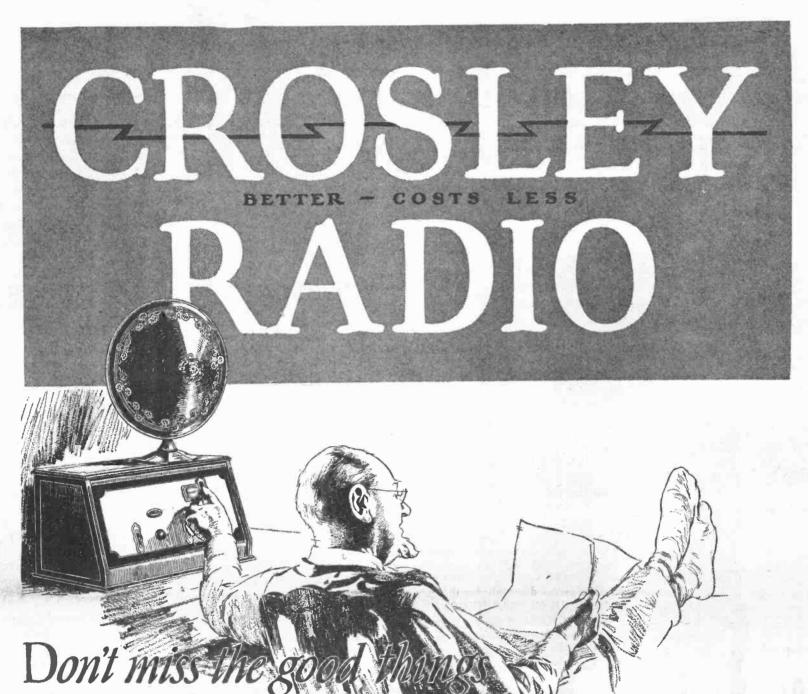
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Console stands 40 inches high. The Crosley Musicone is skillfully built into the cabinet in a manner which is both an artistic and an acoustical triumph. Ample space for all batteries and accessories.

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Power tube adaptability marks the Crosley "5-50" "5-75" and "RFL" sets. This feature typifies Cros-ley provision for best radio reception at moderate cost.



enables you to try whatever's on the air in jiffy time. Jump quickly from station to station with one finger. Listen. Like it? Stay. Don't? Try WLW. Less time than it takes to tell. Write station letters on drum dial. Turn to them night after night. What a success this amazing Crosley 5-tube

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These advanced ideas in radio, including metal shielding and power tube adaptability, all at the extraordinary low price of \$50, indicate Powel Crosley, Jr.'s genius in mass production.

This beautiful set in a mahogany cabinet exquisitely finished in two tones is trimmed with rose gold fittings. See it at Crosley dealers. Hear it before you spend any sum for radio. Learn that the utmost in radio can be brought into your home at no greater cost than \$50 for a receiver.

Use the genuine MUSICONE

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2. Date of filing: Sept. 30, 1977 3. Frequency of issue: Monthly except during July and August,

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