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## Large Pipe Organ Being Installed In Crosley Studios

**New Instrument Is Only Type  
That Successfully Combines  
Organ With Orchestra—  
Intricate Mechanism  
Described.**

The origin of the pipe organ is lost in the mists of antiquity. Mention of an organ is made in the Bible (Genesis iv, 21), "Jubal is the father of all such as handle the harp and the organ." The organ has come through the ages until the present time, when it takes its place in the programs of the latest form of disseminating music—radio broadcasting.

In his constant endeavor to provide the very best music obtainable for the large radio audience, Powell Crosley, Jr., has purchased one of the newest types of Wurlitzer Organs which is being installed in the WLW studios of The Crosley Radio Corporation. This combination of one of the ancient forms of music making with the modern science of radio broadcasting is another addition to the romance of radio.

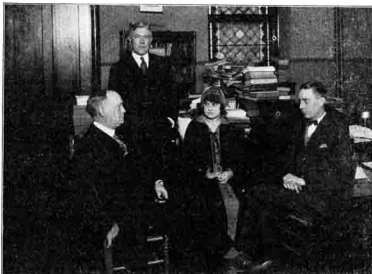
The console of this new organ will be in the ensemble studio where its keyboard, with the multiplicity of stops and controls, may be seen by the visitors who assemble in the auditorium which is separated from the studio by a partition of heavy plate glass. The pipes, motors, blowers, and other parts of the organ will be in a sound-proof room adjoining the studio. A grill-work opening in the wall will permit the sound to come into the studio where it will be picked up by the microphone and sent to the broadcasting station at Harrison, Ohio, by means of amplified telephone lines.

This organ, known as the Wurlitzer Hope-Jones Unit Orchestra, is the only instrument that successfully combines the organ with the orchestra. This does not mean the replacement of the very excellent orchestras which are regular features of the WLW programs, but rather an opportunity to augment them should the occasion ever require it.

The tone produced by this organ is full, rich and mellow and can be sent forth in thunderous tones with the expression shades open, or reduced to a whisper, when closed.

(Continued on Page 4)

## Participants In Radio Wedding



During the Cincinnati Auto Show in Music Hall, a special feature for Thursday night, January 15, will be the radio wedding which will be broadcast as a part of the program given by Crosley WLW from the stage. In this picture, seated, left, Rev. Frederick N. McMillin, pastor of First Presbyterian Church of Walnut Hills, who is to officiate for the wedding; Ryan, 2045 Forest Avenue, Norwood, to Mr. George Baeninger, 1808 Walker Street, Cincinnati. J. W. Tarbill, President of the Cincinnati Auto Dealers Association, is standing.

## Radio Sales Like Huge Snow-balls, Growing Larger as They Roll Along; After-Christmas Boom is Forecast

"The sale of radio sets will be greater from now on than they have been during the holiday time," said Powell Crosley, Jr., in a recent interview on the outlook for the coming year's sales. "The increase in sales will be due to the fact that thousands of receivers were presented at Christmas time and with each of these receivers there was created at least a half-dozen prospective set owners who became interested in the wonders of radio entertainment that may be had by the turning of a dial.

"The radio business might be likened unto a snow-ball of giant size. You know how children take a ball of snow and begin to roll it in the soft snow until it becomes very large, in fact, so large that it is impossible for it to be rolled any more by the children. Radio sales are like that, except, that the sales will roll on past the holiday time. Along in July sales in radio receivers get their start, like the metaphorical snow-ball—at first growing slowly. Along in September, they grow faster and faster, until—past experiences have shown—they reach their maximum size

by the end of March. Sales hold their own through April, and then start to decrease, just like the snow-ball begins to melt with the warm sun.

"There will be a difference this year, when the warm sun comes, for, despite the many out-of-door attractions, radio sales will be greater than ever, due to the installation of the high power broadcasting stations, such as WLW, which has a power output of five kilowatts. This means it will be possible to tune in the best broadcasting stations and secure entertainment and other features that were somewhat difficult to tune in in the warm months of the past years.

"In the past three years of our experience, some dealers have noticed a slight slowing down for a day or two after Christmas, due, perhaps, to the fact that people have spent all their money for Christmas presents, but by the time the next pay-day rolls around, they are back in the radio stores, crowding to buy sets and parts. The crowds will be greater this year than ever before."

## Marriage Ceremony Will be Broadcast From Station WLW

**Interesting Programs Arranged  
in Connection With Auto  
Show To Be Held In Cincinnati  
Music Hall.**

"See and Hear Crosley WLW Artists" is the announcement being made by those under whose auspices the Cincinnati Auto Show will be held this year in Music Hall, from Saturday, January 10 to the following Saturday, the 17th. As a special feature of this year's show, President J. W. Tarbill, of the Cincinnati Auto Dealers Association, has given over the spacious Music Hall to The Crosley Radio Corporation for use as a studio and auditorium.

The stage will be fitted up to represent a broadcasting studio with decorations from the Clovers Art Galleries. The audience will be able to see the operators at the apparatus used in remote control work as well as the artists and the microphone used in picking-up the program which WLW will broadcast.

A program will be broadcast nightly, except Friday and on Sunday afternoon. As a feature of this unusual event, there will be a radio wedding on Thursday evening, January 15th, at nine o'clock, to which the radio audience is invited to "attend" by tuning-in to the Crosley WLW station. The public is also invited to be present in Music Hall and witness the ceremony, which will be conducted by the Rev. Frederick N. McMillin, pastor of the First Presbyterian Church of Walnut Hills.

Miss Dorothy Ryan, 3043 Forest Avenue, Norwood will be married to George Baeninger, 1808 Walker Street, Cincinnati. The wedding will be preceded and followed by a program of appropriate music and the great organ in Music Hall will be used for the occasion, with J. Warren Ritchey at the console.

Presents for the bride and bridegroom will consist of a fully-equipped automobile, membership in the auto clubs and other gifts of an appropriate nature.

Fred Smith, studio director of WLW, will be present at each of the hour programs and conclude them with a verse, just as he does nightly in the studios at the Crosley plant. He has arranged special

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# Crosley WLW Programs For Week of Jan. 11th

## SUNDAY

### RADIO PROGRAM

#### W L W

The Crosley Radio Corporation  
Cincinnati, Ohio  
January 11. Central Standard Time.  
423 Meters.

9:30 A. M.—  
Schools conducted by the Editorial Staff of Sunday School Publications of the Methodist Book Concern.

11:00 A. M.—  
Services of the Church of the Covenant. Dr. Frank Stevenson, Minister.

7:45 P. M.—  
Services of the Emmons Evangelical Lutheran Church; P. L. Dannefeldt, pastor.

8:45 P. M.—  
Concert by the Western and Southern Orchestra; William Kopp, director. (Under the auspices of the Welfare Association of the Western and Southern Life Insurance Company).  
ITALIA PICCHI—Basso.

## MONDAY

### RADIO PROGRAM

#### W L W

The Crosley Radio Corporation  
Cincinnati, Ohio  
January 12. Central Standard Time.  
423 Meters.

8:00 A. M.—"Setting Up" Exercises from Central Y. M. C. A. William Stradman, instructor.

10:45 A. M.—Weather Forecast and Business Reports.

12:15 P. M.—Williamson Entertainment and Review.

1:30 P. M.—Business Reports.

3:00 P. M.—Market Reports.

4:45 P. M.—Market Reports.

6:00 P. M.—Dinner Hour Concert through the courtesy of Cincinnati Post.

8 to 10 p. m.—TIMES-STAR PROGRAM.  
The Times-Star Orchestra.

1. Overture—"If I Were King"  
Soloists:  
a. Cocoanut Dance  
b. Riviere Rose  
c. Selections from "Il Trovatore"

Howard Hafford, Tenor  
Carl Wunderle, Viola d'Amour  
Arr. Van Leeuwen, Flute (First flutist with Cincinnati Symphony Orchestra).

Mr. Wunderle will play with the orchestra.  
a. Plaisir d'Amour  
b. La chaise  
c. Romance  
d. Waltz  
e. To a Wild Rose  
f. MacDowell

(This program will be given from 8 to 10 at the WLW studios at the Crosley plant, and from 9 to 10 at the WLW studios, Music Exchange in conjunction with the Auto Show).  
(The Baldwin Piano)

## TUESDAY

### RADIO PROGRAM

#### W L W

The Crosley Radio Corporation  
Cincinnati, Ohio  
January 13. Central Standard Time.  
423 Meters.

8:00 A. M.—"Setting Up" Exercises from the Central Y. M. C. A., William Stradman, instructor.

10:45 A. M.—Weather Forecast and Business Reports.

12:15 P. M.—Program by Delta Omicron Sorority from College of Music.  
Dance Selections by Woody Meyer's Orchestra.  
Talk on Automobiles by Henry Schliensker from Central Y. M. C. A.

1:30 P. M.—Business Reports.

3:00 P. M.—Market Reports.

4:00 P. M.—Program by Cincinnati Federation of Mothers Clubs.  
Lecture "Mah Jongg" by Lucy Blackburn.  
Piano recital by pupils of William Kyle.

6:00 P. M.—  
DINNER HOUR CONCERT THROUGH THE COURTESY OF THE CINCINNATI POST, featuring THE SELINSKY QUINTET.

9:00 P. M.—  
Special program at the WLW Studio, Music Hall, in conjunction with the Automobile Show.

1. Selections by the ESBERGER ORCHESTRA.

2. Monologue by GEORGE ALEXANDER MANN.

3. Old Time stuff by the JENNINGS COUNTRY FIDDLERS.

4. Male Quartet Selections, (Courtesy of the Radio Division of the Ohio Rubber and Textile Company).

5. Male Quartet Selections, (Courtesy of the Radio Division of the Ohio Rubber and Textile Company).

Howard Hafford, first tenor  
Erwin Meyer, second tenor  
Edwin Weddinger, baritone  
John Dodd, bass  
Howard Evans, accompanist

10:00 P. M.—  
WLW STUDIOS.

Instrumental Trio (Courtesy of the Ohio Rubber and Textile Co.)  
Trio:  
Rosemary Ellerbrook, piano  
George Maier, flute  
William Stoess, violin

Dance program by the KEEFER-KOCKER ORCHESTRA  
Herschel Luecke, piano and arranger  
John Blackburn, saxophone  
Erwin Reed, saxophone  
Tom McCormish, trombone  
James Myers, trumpet  
Clarence Beckold, tuba  
Walter Kocker, banjo and DIRECTOR  
Jack Keefer, drums and MANAGER

## WEDNESDAY

### RADIO PROGRAM

#### W L W

The Crosley Radio Corporation  
Cincinnati, Ohio  
January 14. Central Standard Time.  
423 Meters.

8:00 A. M.—"Setting Up" Exercises from Central Y. M. C. A. William Stradman, instructor.

10:45 A. M.—Weather Forecast and Business Reports.

12:15 P. M.—Program by Mu Phi Epsilon Sorority from College of Music.  
Ahous Brunswick Shop Orchestra.  
1:30 P. M.—Business Reports.

3:00 P. M.—Market Reports.

4:00 P. M.—"Shut In" program by the Duning Benevolent and Musical Service cooperating with the Luban Aldrich Thayer Settlement School of Music and all other institutions.

6:00 P. M.—  
Dinner Hour Concert through the courtesy of the CINCINNATI POST, featuring THE SELINSKY QUINTET.

8:00 P. M.—  
Program arranged by Euse Huebner:  
(1) Berceuse (Jocelyn) ..... Godard (arranged for trio)  
(2) "Dorothy Camp, cello  
Katherine Stiefel, piano  
(3) Violin Solo: "The Old Refrain"  
..... Kreisler  
Helen Gough  
(4) Trio: "Moment Musical"  
..... Schubert  
(5) Piano Solo: "Rue of Spring"  
..... Sinding  
..... Sinding  
(6) Trio: "Narcissus" ..... Nevin  
Misses: Gough, Camp and Olga Berges  
(7) Trio: "Spanish Dance"  
..... Moscovski  
(8) Song (Duet): "Night of Nights"  
Katherine Dieterle and George Dieterle  
Louise Dieterle, accompanist  
(9) Trio:  
(a) "On the Bank of the Brook"  
..... Thalchowski  
Misses: Gough, Camp and Hortense Anderson  
Popular Entertainment by  
Carl Bamberg, piano  
Ray Bamberg, banjo  
Songs by Carl Cornuelle, tenor  
Harold Hill at the piano.

9:00 P. M.—  
Special program at the WLW Studio, Music Hall, in conjunction with the Automobile Show. (Entire program courtesy of the Formica Insulation Company).

Concert by the FORMICA ORCHESTRA  
Eccentric dancer, Lester Roemer.  
Soprano, Mary Elizabeth Green, accompanist by Louise Rasch.  
Solos by Robert Thuman, baritone  
Thomie Prewitt Williams, accompanist

Selections by CINCINNATI ZITHER QUARTET:  
Ruth Hohe, Charles Hohe,  
Louis Weget, A. Rubrich.  
(The Baldwin Piano)

## THURSDAY

### RADIO PROGRAM

#### W L W

The Crosley Radio Corporation  
Cincinnati, Ohio  
January 15. Central Standard Time.  
423 Meters.

8:00 A. M.—"Setting Up" Exercises from Central Y. M. C. A.; William Stradman, instructor.

10:45 A. M.—Weather Forecast and Business Reports.

12:15 P. M.—Dance program by WOODY MEYER'S ORCHESTRA.  
1:30 P. M.—Business Reports.  
3:00 P. M.—Market Reports.  
4:00 P. M.—Piano Recital by Adelaide Apfel.  
French Lesson by Madame Ida Teimpids.

6:00 P. M.—  
Dinner Hour Concert through the courtesy of the THE CINCINNATI POST, featuring the SELINSKY QUINTET.

9:00 P. M.—  
Special program at the WLW Studio, Music Hall, in conjunction with the Automobile Show.  
ESBERGER'S ORCHESTRA with  
MILNOR ELECTRIC INSTRUMENTAL TRIO.

Arthur L. Knecht, cello  
Rosemary Ellerbrook, piano  
EXTRAORDINARY FEATURE:  
RADIO WEDDING  
Miss Dorothy Ryan, bride  
Mr. George Examiner, groom  
Frederick McCrum, minister  
Songs by Marian Manship,  
Barbara Thuman, pianist.  
COOPER CORPORATION MALE QUARTET:  
Richard Pavey, tenor  
Ferd Raine, tenor  
Theodore Schatz, baritone  
Howard Fulder, bass  
George Raine, accompanist

10:00 P. M.—  
WLW STUDIOS:  
Popular program by the DOHERTY MELODY BOYS  
Concert program by the COOPER ORCHESTRA and Male Quartet (courtesy of the Cooper Tire and Battery Corporation).  
Orchestra program will include the Overture: "Beautiful Galatea" by Suppe and one of Waltz-fel's popular waltzes.  
(The Baldwin Piano)

## FRIDAY

### RADIO PROGRAM

#### W L W

The Crosley Radio Corporation  
Cincinnati, Ohio  
January 16. Central Standard Time.  
423 Meters.

8:00 A. M.—"Setting Up" Exercises by William N. Stradman.  
(Continued on Page 3)

## CONDENSED TIME TABLE OF WLW BROADCASTING STATION OF THE CROSLY RADIO CORPORATION

709 KILOCYCLES, 423 METERS

CENTRAL STANDARD TIME

CINCINNATI, OHIO

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9:30 A. M.	8:00 A. M.	8:00 A. M.	8:00 A. M.	8:00 A. M.	8:00 A. M.	8:00 A. M.
11:00 A. M.	10:45 A. M.	10:45 A. M.	10:45 A. M.	10:45 A. M.	10:45 A. M.	10:45 A. M.
7:30 P. M.	12:15 P. M.	12:15 P. M.	12:15 P. M.	12:15 P. M.	12:15 P. M.	1:30 P. M.
	1:30 P. M.	1:30 P. M.	1:30 P. M.	1:30 P. M.	1:30 P. M.	3:00 P. M.
	3:00 P. M.	3:00 P. M.	3:00 P. M.	3:00 P. M.	3:00 P. M.	3:00 P. M.
	4:00 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.
	6:00 P. M.	6:00 P. M.	6:00 P. M.	6:00 P. M.	6:00 P. M.	6:00 P. M.
	8:00 P. M.	10 P. M. to 12 P. M.	8 P. M. to 10 P. M.	10:00 P. M.		Silent Night

# Crosley Radio Weekly

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Robert F. Stayman

Editor

Alvin R. Plough  
Associate Editor

## RADIO—A MISSIONARY

A. L. Mapel, on outpost duty for the United States government as dam-tender, way off the beaten paths of civilization, in the isolation of the upper pine forests of Minnesota with the members of his family, had about concluded that even God had forgotten them.

Missionaries and more missionaries were being sent by the church year after year to China, India, Africa and other foreign lands to spread the gospel of Christianity. In all the years no religious emissary ever had been assigned to the remote little town of Brainerd.

There are no preachers in Brainerd, no church, no Sunday school—no facilities for devotional services. This exiled Christian family, removed from the influences of church activities and religious contact, hungering for a morsel of spiritual stimulant, had drifted into a state of despair. Then, as if a Heaven-sent rescuer, came the radio, carrying to that churchless little community in the wilderness and to the religious-starved Mapel household, a Christian message and greeting—a sermon. Harmonized with it came sacred music and devotional services, such as Brainerd never before had heard—from far off Cincinnati. Radio brought the church to the Mapels.

The Rev. Frederick N. McMillin, pastor of Walnut Hills First Presbyterian church, whose Sunday evening sermons regularly are broadcast by WLW, was the missionary who ended the religious famine at Brainerd. Dr. McMillin is in receipt of a letter, overflowing with gratitude from Mr. Mapel in which he says in part:

"It has been our great pleasure to listen in on your sermons and the church choir. We have much to be thankful for out here in the isolated districts since the advent of the radio.

"For twenty years I have filled an outpost position among the tall pines and the deep snows, and during all that time I have never had the opportunity to take my family of eight children to a religious service or any kind of public entertainment.

"I often have thought that perhaps the Lord didn't know we were up here since missionaries were being sent to foreign lands, even

while there was such a lack of missionary work right here in our own country. Your sermons help drive away the isolated feeling and depression about which the people of your state know little."

## REGENERATION AND RADIATION.

C. L. Titus, writing on radiation in the Rocky Mountain News, of Denver, says:

"Radiation has received so much notice and so many sets that do not radiate have been criticized, that I feel a statement as to its cause will be welcome. Radiation and regeneration have been confused until it is a common belief that all regenerative sets are radiating sets.

"Radiation, as applied to radio, means the emission of waves from a radio set. In receiving sets this emission of waves often interferes with other receiving sets. Another set picking them up will receive a whistle. As is generally the case, the whistle will be on the same wave length on which some broadcaster is operating, and completely spoil the reception.

"Now, as to the cause of radiation. It is produced by the tubes of a radio set setting up oscillations and feeding these out on the antenna, from which they issue into the air to be picked up by nearby receiving sets. In other words, it is due to the adjustment and type of receiving set.

"A receiving set will not radiate if the tubes are not allowed to oscillate. The oscillation is controlled by the rheostat and tuning units. It is seldom that a set will radiate unless the filament of the tubes is heated more than it should be. A whistle will be heard when adjusting the dials if your tubes are oscillating as a general rule.

"Next we know what kind of type of sets will not radiate. There are several of these on the market, among which is The Crosley Tridyn.

"The connection in the Tridyn from the antenna leads to a few turns of wire placed in proximity to several turns that lead to the grid of the first tube. The connection from the opposite end of the antenna coil leads directly to the ground and does not allow the current from the tubes to be impressed upon the antenna, so that this set will not radiate even tho the set is not properly adjusted. The antenna current in Crosley Tridyn, after being impressed upon the grid of the first tube, thru induction, is amplified by the first tube with one stage of tuned radio frequency equal to two stages of ordinary radio frequency, and then fed to the detector tube that changes it to audio frequency or makes it audible, and then, with regeneration, steps it up, or amplifies it, equal to one stage of audio frequency amplification.

"The current is then reflexed

# Cincinnati Papers Prepare Series of Programs For WLW

Times-Star To Broadcast Every Monday Evening, While Post Will Provide Dinner Hour Concerts Daily.

Cincinnati's two evening newspapers, the Times-Star and the Post, have completed arrangements for a series of regular programs through Crosley WLW. Though very different, both with regard to hours and material, these two programs will provide entertainment of the very highest nature.

The Times-Star has selected, as a basis for the Monday evening programs at WLW, an orchestra composed of twelve men from the first stands of the Cincinnati Symphony Orchestra, and directed by Mr. William Kopp. Howard Haford, whose charming tenor voice seems distinctively modeled for radio, will be programmed each Monday night as an exclusive soloist for the Times-Star. Karl Kirksmith, first cellist of the Symphony, will play once monthly. Emil Heerman, concert master of the Symphony Orchestra, will perform twice during the winter in a trio composed of himself, Walter Heerman, cellist, and Thonie Frewitt Williams, pianist. Carl Wunderle will be soloist from time to time on the Viola d'Amour, and Senator Schultz will reserve his humorous monologues for the Times-Star programs.

The Cincinnati Post has chosen the six o'clock dinner hour for its period, and a quintet of excellent musicians for the regular attraction. This quintet is directed by

thru the first tubes, making two stages of audio frequency amplification, and then the third tube of three stages of audio frequency amplification gives the advantages of an ordinary six-tube set without radiating.

Max Selinsky, from the first stands of the Cincinnati Symphony Orchestra. Mr. Selinsky has played all over the world, his last engagement being that of concert master of the Kansas City Symphony. He is assisted, in his present work with the Post, by his wife, Margarieta Selinsky, a notable violinist and composer, Marjory Garrigus Smith, pianist, who is accompanist for Madame Reiner, and wife of the WLW studio director; Bela Bardos viola, and D. Danczowski, cello, both of the Cincinnati Symphony Orchestra. Mr. Selinsky has already planned a number of concerts which promise to be most pleasing in their variety and beauty, arranging them to embrace solos, duets, trios, quartets and quintets.

## FRIDAY'S PROGRAM

(Continued from Page 2)

- 10:45 A. M.—Weather Forecast and Business Reports.  
12:15 P. M.—Dance program by House's Brunswick Orchestra. Program from the College of Music of Cincinnati.  
1:30 P. M.—Market Reports.  
2:00 P. M.—Stock Quotations.  
4:00 P. M.—Recital by pupils of Leo Stoffgen.  
(The Baldwin Piano)

## SATURDAY

RADIO PROGRAM  
WLW

The Crosley Radio Corporation  
Cincinnati, Ohio  
January 17. Central Standard Time.  
423 Meters.

- 8:00 A. M.—"Setting Up" Exercises by William N. Stradtman, instructor at Central Y. M. C. A.  
10:45 A. M.—Weather Forecast and Business Reports.  
1:30 P. M.—Market Reports.  
2:00 P. M.—Dance program by Hubert Buschle's Orchestra.  
3:00 P. M.—

DINNER HOUR CONCERT THRU THE COURTESY OF THE CINCINNATI POST, featuring THE SELINSKY QUINTET; followed by the Columbian Quartet, Dayton, Ohio, directed by Professor Metzner.  
(The Baldwin Piano)

## SUBSCRIBE NOW!

Detailed information regarding the development of receiving and broadcasting, interesting news and feature stories and advance programs of WLW are to be found in the Crosley Radio Weekly. This is the most up-to-the-minute paper of its kind in the radio field, and should be in the home of every owner of a radio receiving set. Information contained in every issue is of the greatest value to you. The subscription price is but \$1.00 per year. Subscribe now.

Name.....

Street and Number.....

City and State.....

Attach \$1.00 and mail this to the Crosley Radio Weekly, The Crosley Radio Corporation, Cincinnati, Ohio.

## Large Pipe Organ Is Being Installed In Crosley Studios

(Continued from page 1)

Perfect reproduction of the various tones of this organ is possible through the five kilowatt transmitting equipment designed by the Western Electric Company for WLW's new broadcasting station. Engineers of this company as well as Mr. Hope-Jones, inventor of the leathered lip used in this organ, have studied the scientific reproduction of sound. By means of photostudied the scientific reproduction of sound. By means of photographic records of sound waves passing in the air, Mr. Hope-Jones was able to analyze and divide them into their constituent parts of ground tones, upper partials and harmonics.

All dissonant harmonics are removed and the volume of foundation tone greatly multiplied, since the leathered lip was introduced in organ construction.

Invention of the Tibla family naturally followed. Tibla tone is almost purely fundamental. When drawn behind a single Diapason, it has the peculiar effect of adding amplitude of power without appreciably affecting the tone color. When similarly placed behind a reed, a similar result is obtained. When augmentation of power given by a back ground the Tibla is tremendous.

An entirely new method of tone production is found in the Diaphone, which is capable of expressive power by varying the wind pressure, without altering the pitch. This is an important part of the new WLW organ, replacing the Flue Pipe and the Reed Pipe methods used for hundreds of years. A majestic undertone of power and dignity is possible with the Pedal Diaphones.

The Voicers are men who have been trained in Hope-Jones methods with the result that the Reeds in this new organ are the finest produced.

Every stop becomes a soft stop when the controlling shutters of the specially designed Swell Shutter with the Sound Trap joint are used. The range of expression is enormously increased and the tone power of all stops can be greatly reduced by the use of this important part of the organ.

By means of the Hope-Jones "Double Touch," the organist can obtain expression from his finger touch with any particular note or notes brought out above the remainder of the organ without raising the hands from the keyboard. To each keyboard, two distinct touches are fitted: the first, playing the stops that are drawn on the first touch stop keys, and the second touch, which is made by a lit-

## Harpist on WLW Programs



In the Cincinnati Symphony Orchestra, Joseph Vito has the honor of being the first harpist. He is a master of the instrument and is heard as soloist, every fifth week on the Western and Southern Orchestra concerts which are the feature of WLW programs each Sunday evening. His daughter, the youngest harpist in the world, will make her debut in the Crosley studio, Sunday evening, January 21, playing upon a small harp, built exactly like the one her father uses.

tle extra pressure, the stop or stops drawn on the second touch stop keys are brought into use. The two touches are absolutely distinct from each other and no mistake can be made by bringing the second touch into action when it is not needed.

Specific stops have been provided for securing the "Pizzicato Touch" by means of which a staccato or plucking effect (similar to a violinist plucking the strings of his violin with his fingers) can be obtained. An example of the value of these stops is found where the organist, with one hand, is playing upon

the flute, and by depressing certain fingers a little harder, the melody could be brought out on the clarinet, and at the same time have the oboe horn playing pizzicato. This is all accomplished with the fingers of one hand and furnishes a flexibility of expression that is unique.

The wind pressures in this organ are extremely high without the loss of any of the mellowness of tone. This is due to the scientific methods of voicing.

There are of the tones usually found in the church organ, combin-

(Continued on Page 6)

## Stamp Collecting Added To Hobbies Of Radio Listeners

Fans Show Stamps to Doubting Friends As Proof That Stations Were Heard.

The radio fan has added stamp collecting to his list of hobbies.

It is stamp collecting of a new kind. Some stations are sending them to fans who report having heard their programs.

The fan philatelist pastes the stamps into his book and has these to show doubting listeners as proof of the stations he has brought in.

The idea is the outgrowth of two hobbies—government stamp collecting and applause—card writing. Now when a card comes into a station telling what pieces were heard and when, a stamp is sent to the writer as certification of his success in listening to that station.

Each stamp is designed with an eagle between two antenna towers. Below this is a space for the call letters of each station, in the illustration, WLW.

For these stamps an album has been arranged. It has spaces for the stamps of all stations in the United States and Canada, arranged alphabetically by states and call letters.

At present the stations charge 10 cents for a stamp.



We broadcast daily at  
11:00 a. m. and 1:30 p. m.

Financial News  
Market Reports  
Government Bond

Quotations  
Call Money Rates  
Foreign Exchange, Grain  
and Live Stock  
Quotations.

Bond Department

THE  
FIFTH-THIRD

NATIONAL BANK  
of Cincinnati.

# BUY A CROSLEY WITH YOUR CHRISTMAS MONEY

## FROM COAST TO COAST

"The Crosley Radio Corporation, 'Gentlemen':  
 "Operating a Crosley 51, I hear stations in the following cities practically every night: Buffalo, Pittsburgh, New York, Schenectady, Springfield, Providence, Washington, South Dartmouth, Dallas, Elgin, Kansas City, Montreal, Cleveland, Atlanta, Boston, Richmond Hill, Cincinnati, Davenport, Worcester, Oak Park, La Crosse, Toronto, Oakland, Calif., St. Louis, Iowa City, Detroit, Philadelphia, Ottawa, Louisville and Shenandoah. I shall always uphold and boost the Crosley sets and sincerely wish you good luck and prosperity.  
 "Respectfully yours,  
 "HOWARD BROWN,  
 "Little Valley, N. Y."

# CROSLEY

## 51

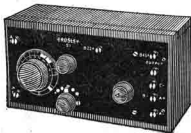
### \$18.50

## A WISE INVESTMENT

Cash your Christmas check and invest your money in a Crosley radio receiver. It is something from which you will derive enjoyment 365 days in the year. The investment will be a wise one because the entertainment your radio will bring to you will be worth thousands of times the cost of the set. Therefore take that money good old "Dad" gave you for Christmas and purchase a set that will bring in the powerful stations in every section of the United States. Take that money and buy a radio set that will entertain you and amuse you and educate you. But when you buy be sure you buy a Crosley, because in that you will get the most for your money.

THE Crosley 51 is the most popular radio receiver in the world. More of them are in use than any other individual radio set. Like all other Crosley models it is very selective. Under normal conditions it will operate a loud speaker on stations up to one thousand miles, and sometimes at a greater distance. Local stations come in on a loud speaker the year round. When receiving conditions are bad, head phones must be used for distant stations. An ideal receiver to entertain the entire family. It consists of an Armstrong regenerative detector and one stage of audio frequency amplification. The many testimonial letters received from owners of the Model 51

are proof of the efficiency of the set, as each tells of remarkable long-distance records having been established. It is safe to say that every powerful station in the United States can be heard by owners of this receiver. The Model 51 incorporates standard sockets so that all makes of tubes can be used. The various units are mounted on beautifully engraved panels inside of artistic cabinets, which completely enclose all parts and tubes. This set also is made in a portable type, known as the Crosley 51-P, a radio receiver by means of which you can "take your entertainment" with you wherever you go." Price of the 51-P is \$25.00.



## THREE TUBES DO THE WORK OF SIX IN THE TRIRDYN

THE famous Crosley Trirdyn gets its name from the fact that it uses the three "R's" of radio, namely, Radio Frequency Amplification, Regeneration and Reflexed Audio Amplification—thus "Tri-R" and "Dym," meaning power. This unique circuit enables three tubes to do the work of five or six. In the higher priced line of receivers, the Trirdyn Models are the most popular in the field. Next to other less expensive Crosley models, more Trirdyns are sold than any other individual radio receivers. The Trirdyn is ultra selective and easy to control. There are but two dials, which may readily be logged and the same station found at the same place each night. It is very sensitive, giving loud

signals of excellent quality, and yet is very simple to tune. We challenge its comparison with any receiver on the market at any price. The combination of one stage of tuned radio frequency, with regenerative detector and reflexed amplification, has proven beyond a doubt that the features of selectivity, volume and ease in operation can be obtained with three tubes better than heretofore has been possible with six. We believe that no other set on the market combines these features so well incorporated in the Trirdyn. This set is non-radiating and so will cause no interference in the neighborhood in which it is operated.



Price.....\$65.00

## A WONDERFUL THREE TUBE ARMSTRONG REGENERATIVE SET

THE Crosley 52 has two stages of audio frequency amplification; otherwise it is practically the same as the Model 51. The additional tube gives loud speaker reception the year round on distant stations, as well as local. Since its announcement, it has become one of our most popular models. Its selection should be governed entirely by the amount you wish to pay. For the additional signal volume received from it, it is well worth the difference in price. The Crosley 52 is unusually efficient and, in every way, an ideal receiver for the home. It fills the want for a high-grade three tube regenerative receiver at a

moderate cost. In fact the price asked for this set is far below that charged by other manufacturers and the results obtained by owners greatly exceed those claimed in advertisements. In appearance and efficiency, it needs no apology for low price. Its beautifully grained panel of high grade insulating material, engraved with white letters, highly polished black dials and knobs and nickel trimmings form a pleasing contrast to the beautiful cabinet, making it a "thing of beauty" for the most magnificent home.



Price.....\$30.00

In addition to the Crosley radio receivers illustrated and described above there are other units that make the Crosley line absolutely complete. For instance there is the famous Crosley 50, a one tube Armstrong regenerative receiver for but \$14.50. Also there is the Crosley Trirdyn Special for \$75. This is the same as the Trirdyn regular only it is in-

stalled in a larger cabinet in which there is room for dry cell batteries and other accessories. There also are the one and two stage audio frequency amplifiers, the former costing but \$14 and the latter \$18. Ask your dealer to demonstrate a Crosley before you buy a radio.

**CROSLEY**

**BETTER  
COSTS LESS  
RADIO**

For Sale By Good Dealers Everywhere  
 Crosley Regenerative Receivers are licensed under Armstrong U. S. Patent 1,113,149  
 Prices West of the Rockies add 10%

**THE CROSLEY RADIO CORPORATION**

200 SASSAFRAS STREET

Crosley Owns and Operates Broadcasting Station W L W

CINCINNATI, OHIO

**CROSLEY**

**BETTER  
COSTS LESS  
RADIO**

## Radio Is Imperative President of News Association Asserts

Wireless Gives News In Flash  
Form While Newspapers  
Follow With Complete  
Details, Bickel Says.

Karl Bickel, president of the United Press, one of the largest news distributing organizations in the world, has this to say about radio:

"Inch by inch radio is edging into the business of news distribution. This was never so graphically illustrated as in connection with the Democratic National Convention. Extra editions rushed from New York to suburban towns carrying the 71st ballot would reach the newsstand just as the complete report of the 80th ballot was coming over the loud speaker. The editions were old before they arrived.

"The results of big sports contests are now known instantaneously via radio. However, in spite of these instances, I do not believe the newspapers have much to fear. But radio can never give the complete news report of the day as the newspapers can give it.

"Radio is the imperative thing. Unlike the newspaper, it cannot be laid aside and picked up in a moment of leisure. You miss the event if you are not on hand at the loud speaker as it is being broadcast. And even then you get only the fact. The newspapers are read for color and interpretation. With big news being flashed by radio, newspaper publishers will no longer have the obligation of going extra to give the public the news. More time and effort can be spent on improving details and interpreting the facts.

"Press associations will not enter the radio field by erecting their own broadcasting stations for the distribution of news in the immediate future. Popular radio telephony is still an infant industry of only three years' growth and has by no means exhausted the possibilities of its development."

The Cincinnati Post, a United Press newspaper, is co-operating with WLW in supplying news reports and daily dinner-hour contents.

### RADIO

Eric W. Palmer

- I am a university, right in your room.  
I am an opera, sung by your fireside.  
I am an orchestra, to set your feet a-dancing.  
I am a band, to enthuse your musical soul.  
I am an orator, whose eloquence holds you still.  
I am a violin recital, rendered by a master at your side.  
I am a statesman, conferring with you on the nation's needs.  
I am a diplomat, voicing a foreign friendliness.  
I am a doctor, coming to your home without charge.  
I am a banker, watching your laid-away dollars.  
I am a leader of industry, analyzing the economic trend.  
I am a newspaper, describing events as they happen.  
I am a drama, played in your parlor.  
I am a debate, where you hear both sides on the day's problems.  
I am a ball game, with thrills by the score.  
I am a boxing championship, with a seat at the ringside.  
I am a governess, teaching your children each day.  
I am a scientist, revealing wonders that you know not of.  
All these am I, and more—  
I am a patriot, kindling anew your love of country.  
I am a preacher, reawakening your faith in God!  
Yet poor foolish men just call me RADIO.  
(Radio Merchandising).

## Large Pipe Organ Being Installed In Crosley Studios

(Continued from Page 4)

ed with such orchestral instruments as clarinets, flutes, piccolos, violins, cornets, trombones, saxophones, etc. In addition to those, there are the vox humana, refined musical sleigh bells, harps, xylophones, cathedral chimes, orchestral bells, vibrating bells, bass, kettle and snare drums, tambourines, triangles, castanets and a host of other instruments; in fact, everything of which a symphony orchestra is composed.

With an organ of this description in the Crosley WLW studio it will not be a difficult matter to provide meritorious recitals with the very best artists while the use of the many effects in connection with the radio plays and radarios, will be an added advantage.

# CROSLLEY

## MODEL 50

# \$14<sup>50</sup>



## GENUINE ARMSTRONG REGENERATIVE RECEIVER

### BETTER-- COSTS LESS

The Crosley 50 stands alone in the radio field. It is the lowest priced one tube Armstrong Regenerative receiver on the market. Using head-phones, stations from coast to coast are heard. During International Radio Week Tests many owners of this wonderful little set reported hearing European stations. Simplicity of operation makes it an ideal gift for the child. On the other hand it operates so perfectly that it is welcomed by the most particular radio fan.

Dealers throughout the country are realizing the sales value of this one tube receiver and are pushing it hard. Crosley national advertising is creating a tremendous demand for it. Consumers are looking for just such a radio as this and will cater to the dealer who carries it in stock.

Therefore be prepared, dealers, to satisfy your customers!

Hundreds of thousands of American citizens are just becoming radio fans. They desire to start out with a small set. The Crosley 50 is the one they want.

Hundreds of thousands of our less fortunate friends, who are unable to leave their homes on account of sickness, are in real need of such a set as the Crosley 50.

Hundreds of thousands of persons who do not desire to invest a larger amount of money in a radio are looking for such a set as the Crosley 50.

The sales field for this set probably is larger than that of any other. The demand has been created. The dealer who lets his customer know he has the Crosley 50 in stock will reap a harvest. Immediate deliveries on the Crosley 50.

Manufactured under Armstrong U. S. Patent No. 1,113,149.

## THE CROSLLEY RADIO CORPORATION

HOME OF WLW

200 Sassafras St.

CINCINNATI, OHIO

### PAINT WILL SPOIL SET

Paint should not be used in a radio receiver. It will cause leakage. If the instruments are mounted upon wooden baseboard, the wood should be left dry. In the coils and condensers no liquid of any kind should be used to improve their appearance.

# Trirdyn Is "Toadstool's Teddy Bear," Red Headed Music Maker Declares; Wendell Hall Becomes Radio Fan

Remember when Wendell Hall, the Red Headed Music Maker, sang from station WLW? Of course you do. And what is more you will remember the pleasure and entertainment he provided for you. Therefore all of you will be interested in learning that since Hall sang from station WLW he has become a red hot radio fan. Before he visited WLW he was a radio entertainer, but never had been bitten by the Radio Bug. But when he was here Powell Crosley, Jr. presented a Trirdyn to him. He tuned in once and immediately was a dyed-in-the-wool fan. Now Wendell and Mrs. Hall are enjoying a rest in Florida and are relying upon the Trirdyn to provide all their entertainment. That plenty of this is being afforded is evidenced from the following letters received by Mr. Crosley from Wendell and from Mrs. Hall:

"Ft. Myers, Fla.,  
Dec. 15, 1924.

"Mr. Powell Crosley, Jr.,  
Cincinnati, Ohio.

"Dear Mr. Crosley:

"Just want to take 'time out' and write you about the pleasure you were so instrumental in affording us.

"We are way down here eighteen miles from civilization—southwest of Ft. Myers, on the Gulf in a little cottage on the Beach. I am so busy soaking 'n' sunshine all day long and when night comes I spend six to eight hours at my chummy old radio. And talk about a set! Wow! It is the 'toadstool's teddy bear'. We pull 'em all in—al'mind you whenever we want 'em. KDKA, Kansas City and Cincy, come in on a loud speaker like local stations. I have made a 'bug' out of myself and I haven't ridden a hobby in two or three years—so you don't need realize what a wonderful thing you did for me. I have realized since I came down here, that I had been working too hard without relaxation and I've learned my lesson that it does not pay. "A month of this ought to fix me up like a fightin' cock though, so I suppose I'll soon be rarin' to go again.

"Words can't express my gratitude to you—I only hope that your joy of giving is as great as mine is at receiving—You're great!

"Sincerely,  
"Wendell Hall  
and Marlon.

"P. S. Yes ah! Might as well be single again—when one's husband turns into a radio bug—Why, we haven't played a game of cards since we arrived! Wen is glued to that set, as soon as dinner is over, and never moves from it until three-thirty A. M. What to

do—What to do??? Suggestions are in line.

"It certainly is a wonderful set. We get so excited over every new station we find—I mean Wen finds. He never gives me a chance to work it. I thought he would jump clear out of his skin when he heard Los Angeles and San Francisco.

"The day after hearing the coast he drove 100 miles to tell his brother all about it, so you can readily see just what I am forced to put up with. Thanking you again and again

"Bestest  
"Marion M. Hall."

The evening these letters were received they were read over the radio and the following day this letter was received:

"520 Lincoln Ave.,  
"Niles, Ohio.

"The Crosley Radio Corporation,  
"Cincinnati, Ohio.

"Gentlemen:

"On Monday I heard you (WLW) reading a letter from Wendell Hall, now in Florida, in regard to his receiving set. Well, I have a record with my Crosley 51-P which is hard to beat.

"I have had 98 different stations so far and by the time you receive this report I expect to reach the 100 mark. Within a short time I expect to get a one stage amplifier. Then I suppose I will stay up all night. The following is a list of distant stations I have heard.

"2 LO, London, England; Paris, France; Vans Haux, Germany; (these three on the trans-Atlantic Test.) 6BW, Cuba; KGO, Oakland, Cal.; KHJ and KFI, Los Angeles, Cal.; CKY, Winnipeg; KFIP, WOI, WQAW, WHO, WJAD, WJAB, WVMC, WQAI, WHAA, WBBS, KPMP, WHB, WOC, WBAP, WBAN, WSB, KFGZ, WFPA, CNRO, KFPK, and others.

"Xours truly,  
"Emory E. Gabler."

Another interesting letter on the Crosley 51 follows:

"The Crosley Radio Corporation,  
"Cincinnati, Ohio.

"Gentlemen:

"We have written our salesman the following letter concerning the experience one of our boys had with a 51 Crosley set.

"On the evening of Dec. 4th, between 7 and 10 o'clock, using an antenna including drop wire of about 125 feet, and a 51 Crosley set equipped with UV 100 tubes, he brought in the following stations at St. Louis:

"WEAO, Columbus, O.; WTAS, Elgin, Ill.; WREHO, Lansing, Mich.; WAAW, Omaha, Neb.; WBZ, Springfield, Mass.; KDKA, Pittsburgh, Pa.; WGN, Chicago, Ill.; WGY, Schenectady, N. Y.; WCBF, Zion, Ill.; WFPA, Dallas, Tex.;

WMC, Memphis, Tenn.; WHAS, Louisville, Ky.; WOC, Davenport, Iowa; WEBB, Chicago, Ill.; WHB, Kansas City, Mo.; WCAI, Northfield, Minn.; KFEX, Independence, Mo.; WRAV, Yellow Springs, O.; KFEX, Hastings, Neb.; WLW, Cincinnati, O.; WBAP, Ft. Worth, Tex.; WSAI, Cincinnati, O.;

WQAW, Omaha, Neb., and WYW, Chicago, Ill."

"This will show our prospective dealers what a small Crosley set will do.

"Very truly yours,  
"The Campbell Iron Company,  
"(Signed) Stuart Campbell,  
"Vice Pres. and Treasurer."

## CROSLLEY BETTER—COSTS LESS RADIO Distributed by THESE JOBBERS

### KENTUCKY

#### SUTCLIFFE'S 112 page Radio Catalogue

Now ready to send to dealers

—Write today—  
We distribute  
Crosley Sets

Cunningham Tubes  
Burgess "B" Batteries  
Magnavox Reproducers

Complete line of Accessories

**THE SUTCLIFFE CO.**  
Dept. C. R., Incorporated  
LOUISVILLE KY.

### TEXAS

#### Radio Equipment Co. Of Texas

Distributors in Texas for  
CROSLLEY RADIO APPARATUS  
ATLAS LOUD SPEAKERS  
CUNNINGHAM TUBES

and

OTHER QUALITY LINES  
1391-1321 Young Street  
DALLAS, TEXAS

### ILLINOIS

#### National Supply Co.

Distributors of  
CROSLLEY Sets, MUSIC MASTER  
Reproducers, POWER headsets,  
EVEREADY batteries,  
and complete line of Supplies,  
PEORIA, ILLINOIS.

### NEW YORK

Dealers  
New York Vermont Massachusetts  
Crosley orders shipped at once  
Get our Catalog

**Ignition Supply Co.**  
238 Washington Ave. Albany, N. Y.

**OHIO, KENTUCKY, INDIANA**

### DEALERS

Place Your Orders With  
**THE JOHNSON ELECTRIC  
SUPPLY CO.**

232 E. 5th St. 331 Main St.  
CINCINNATI

Distributors for  
The Crosley Radio Corporation  
Genuine Radiotron Tubes  
General Radio Company  
Magnavox, Eveready.

### OHIO

#### RADIO DEALERS

Tie up with the REAL Wholesale  
Jobber of the Central West. Enormous  
stock. Quick shipments.  
Send for new No. 25-R Catalog  
and Confidential Price Sheet TO-  
DAY.

**OHIO RUBBER**  
228 W. 7th St. Cincinnati

### DEALERS

Your Orders For  
**CROSLLEY SETS**

and other

#### RADIO SUPPLIES

Will have prompt and  
careful attention at

**THE POST-GLOVER ELEC-  
TRIC COMPANY**

Distributors  
CINCINNATI

### ILLINOIS

IMMEDIATE DELIVERY ON  
NEW MODEL CROSLLEY RE-  
CEIVING SETS

Full Crosley Discounts to Dealers  
Only.

**WAKEM & McLAUGHLIN, Inc.**  
225 East Illinois St.

Radio Distributors Chicago, Ill.

## Cooper

Tires & Batteries  
Cooper Radio Batteries, A & B.  
Crosley Receiving Sets  
Cunningham Tubes, and  
Other quality radio lines.

**THE COOPER CORPORATION**  
Cincinnati, Ohio.

Branch stores in Cincinnati, Ohio,  
Columbus, Ohio, Dayton, Ohio, In-  
dianapolis, Ind., Knoxville, Tenn.,  
Nashville, Tenn., St. Louis, Mo.,  
Miami, Florida, South Bend, Ind.

### WISCONSIN

#### DEALERS —

We Distribute Crosley.  
Quick Shipment—Get Our Cat-  
alog

**BADGER RADIO**  
ONE E. CENTER ST. CO. WISCONSIN

## Thousands Assist In Manufacturing Of Crosley Radios

Employment Is Provided for  
Workers In All Parts of  
World—Seventeen Hun-  
dred Work In Cincin-  
nati Plants.

There is something better and bigger in radio than merely the entertainment it provides through broadcasting. It is the employment it gives to thousands of people in all parts of the world, spreading millions of dollars in payment for labor and materials.

Although it is one of the youngsters in the business family, radio has made itself known in a commercial way as well as through its broadcasting. It has gained the sobriquet of "The Radio City" for Cincinnati, due to the fact that the manufacture of radio receivers has become one of its principal industries. For instance more than seventeen hundred people are employed in the three plants of The Crosley Radio Corporation, which is the second largest number of workers in any manufacturing plant in that city. This is interesting when you consider this gigantic growth has been accomplished from a small beginning three and a half years ago.

Not only have the Crosley plants provided employment for hundreds of people in Cincinnati, but indirectly has provided work for hundreds of other people in that city in various other plants devoting all or a large portion of their production for use by that concern. This means that better business conditions are being experienced in the newly-called "Radio City." More radio receiving sets were built during the past two years, week by week, and over any given period, by workers in the Crosley plants, than by any other radio manufacturer in the world. At the present time nearly five thousand sets are being manufactured every day. This condition has rarely, if ever, been equalled in any business so young as the radio industry.

Aside from the people in Cincinnati who are benefited through the

employment provided in the manufacturing of radio receivers, there are thousands of others in all parts of the world who are receiving pay for their part in supplying material to go into Crosley sets. Down in South America and over in Africa there are lumbermen in the logging camps from which the mahogany is obtained that is used in the cabinets. Deep in coal mines and in the copper mines are tolling men who provide material used in the making of radio receivers. Laborers in the cotton fields and in the mills provide the covering for millions of miles of wire while screw machines turn out car loads of parts, such as screws, binding posts, etc., and from the metal stamping concerns there come various parts, such as the laminations for the transformers and other necessary pieces of apparatus. Varnishes of various kinds are used by the barrels while the amount of chemicals used in the nickel plating of the various parts runs into tremendous figures.

Printing, with its tons of paper and pallets of ink, numerous presses and other accessories, is an equally important item in the radio industry. Thousands of dollars are spent in the transportation of the radio sets by express and freight as well as in ships. Much money is spent for stamps for the thousands of pieces of mail which is circulated.

It will be seen from the foregoing facts that there is a great deal more to the radio industry, although that part of the radio has provided employment to countless thousands. In such a station as WLW, a lot of money has been expended in equipment and artistic decorations for the studios. Mu-

sicians, actors, lecturers, ministers, scientists and men and women in all professions provide their talent for the great radio audience throughout the world. The radio industry has brought forth its leaders and among them is Powel Crosley, Jr., who, although only 38 years old, has been referred to as "The Henry Ford of Radio" because of the tremendous number of receivers his organization manufactures and the low price at which they are sold.

## Marriage Ceremony Will be Broadcast From Station WLW

(Continued from page 1)  
features for each day's program and the visitors to the Auto Show will find excellent entertainment between the hour of nine and ten nightly and between three and four o'clock Sunday afternoon, January 11.

If you wish to BUY or SELL

### SECURITIES

Or own some about which

DESIRE INFORMATION  
COMMUNICATE WITH US  
Our Statistical Department is At  
Your Service

### WESTHEIMER & CO.

Members of—  
The New York Stock Exchange  
The Cincinnati Stock Exchange  
Telephone Main 567

326 Walnut Street

## The Go-bi-bi



FOR LITTLE TOTS  
TOO YOUNG TO WALK

The GO-BI-BI answers his baby's eagerness to go, and leaves you free to attend to your household tasks. You know he is off the floor—on the go to his heart's content!

It's tiny—only two feet square—can be tucked away in any corner. Sells for \$5.50 everywhere. If your department store cannot supply you, order direct from us.

THE CROSLY MFG. CO.

Dept. 2 Cincinnati, Ohio.



## Sweep the Ether

with a Jewett  
Superspeaker and  
learn the amazing  
difference that has  
led Radio labora-  
tories, the world  
over, to install  
this instrument as  
their standard  
for measuring all  
others. Stow away  
your headphones!

A big, beautiful musical instrument, built by musical instrument makers, of experience and reputation—No extra batteries—Straight throat eliminates bugling—Exclusive adjustment gives you absolute volume without detuning. Just try it!

"THERE IS NO SUBSTITUTE  
FOR THE BEST"

## The Superspeaker

JEWETT RADIO &  
PHONOGRAPH COMPANY

5680 Twelfth Street  
DETROIT MICIGAN

### The Quiet NILES

### Battery Charger

The Charger That Stays Sold its performance is the delight of every owner. It is easy to operate. Light to handle. Delivers 75% of the current. Rechargeable. Black. No fumes. No bulbs. No leucoid. No fumes. \$19.00. Model AB for 6-volt and 24-volt batteries. \$23.00. Add \$1 west of Rockies.

Write for literature.  
Niles Manufacturing Company  
Dept. 13, Spillanti, Mich.

## DURHAM 75c

VARIABLE

Grid  
Leaks



Recommended for All Crosley Sets  
Type 101, for Soft Tubes  
Type 201A, for Hard Tubes  
Fit present clips

DURHAM & CO., Inc., Philadelphia