

AND WLW PROGRAMS

PUBLISHED BY THE CROSLEY RADIO CORPORATION, FORMERLY THE PRECISION EQUIPMENT COMPANY AND CROSLEY MANUFACTURING COMPANY, Manufacturers of Radio Apparatus, Cincinnati, Ohio.

VOL. III, NO. XVIII.

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MAY 5, 1924

Listeners Pleased With Broadcasting Of Opening Game

Letters Received From Listeners Prove Play By Play Description of Game Was Appreciated.

"Broadcasting of the Cincinnati-Pittsburg opening game was great. We could hear men in the crowd shouting 'Put it over the fence, Roush,' and 'Make it a three-bagger'."

"The description of the opening game was so complete we were able to keep an accurate play by play score."

"Congratulations on the manner in which you broadcast the opening game."

"We had many of the biggest men in town listening to your radio description of the opening game. It was great."

"Your play by play description of the opening game was the clearest I ever heard."

These are just a few of the many letters received at radio station WLW since the description of the opening game between the Cincinnati Reds and the Pittsburg Pirates was broadcast, and they give some idea of the appreciative attitude of the listeners regarding the broadcasting of sporting events.

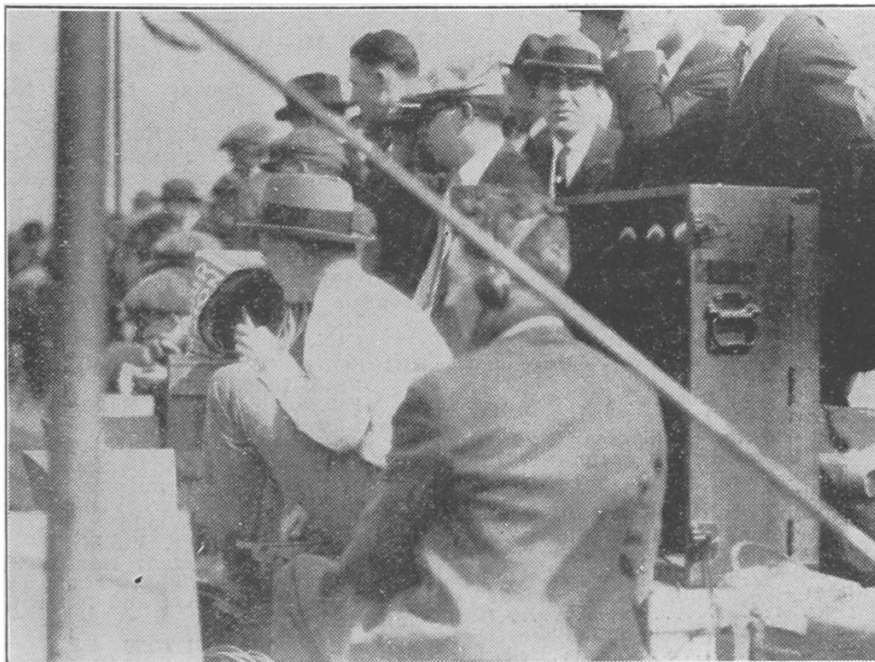
The day was an ideal one for baseball, but it was mighty hot high on the roof of the grand stand—the spot set aside for the microphone and power amplifier used in broadcasting the account of the game. The operators and announcers were more than 200 feet above the ground, directly behind the catcher where every play could be witnessed. Broadcasting was started before noon by Alvin R. Plough, who entertained the listeners for several hours by describing interesting events that transpired in the park. With powerful glasses he scanned the grounds carefully and broadcast every bit of information.

When the "Play Ball" call was sounded Robert F. Stayman, editor of the Weekly, took Mr. Plough's place and endeavored to explain in detail every play made during the game. At times the shouting and hand clapping was so great it was feared the voice of the announcer was drowned out, and several times descriptions of plays were repeated.

Judging from the letters received

(Continued on Page 4)

Broadcasting Opening Game



The above picture was taken on the roof of the grand stand at League Park, Cincinnati, during the opening game between the Reds and Pittsburg Pirates. It shows WLW operators and announcers giving to the listening world the play by play account of the game. Robert Stayman is announcing and Alvin Plough, with field glasses, is scanning the grand stands and bleachers for interesting personages.

Travel By Radio and Save Money! W L W To Broadcast Series of Talks On Many Advantages of Queen City

Spring fever has taken its toll among the workers of the world but it is not of the travelitis variety as in former years. Scientific experts who have been called into consultation have diagnosed the case as "radio enthusiasm" and the disease is not confined to any age or sex.

This is the season of the year when people should be seen with bundles of literature pertaining to hotels, resorts, trains and boats but instead the printed matter deals with all of the latest hook-ups, antennae and other data about radio. Radio printed matter is now in the fore and nearly every publication of any sort devotes some space to this modern educator, entertainer and plaything for all ages of mankind.

Instead of spending hundreds of dollars in travel tickets and hotel accommodations, money will be invested in the newer form of vacationing; radio-receiveritis. For a few dollars, a radio set may be purchased and installed in the home and then, by simply turning the dial, cities throughout the world may be aerially visited and the interesting places there mentally pic-

tured by the radio studio directors. For example, The Crosley Radio Corporation in Cincinnati, operating broadcasting station WLW, is preparing a series of descriptive talks which will embody the interesting historical and artistic advantages of the Queen City. In order to visit that city by radio, the traveller-at-home simply tunes his receiver to 309 meters and when the radio station is on the air at the particular time of the travel talk, he will learn of the beautiful things to be found there.

Suppose the other broadcasting stations throughout the world would take a similar interest in this movement of vacation-at-home, it will make it most enjoyable for those who desire to have something more substantial for the money invested than a mere vacation away from the home or office. The time is not far off when many broadcasting stations will have programs in harmony instead of the individual ones that are on the air at the present time and then this method of vacationing will be even greater than now.

Radio Is Bringing Glow Of Life Into Rooms Of Sufferers

Victim Of Nervous Breakdown Tells of Wonderful Relief Found In "Listening-In."

Whoever has suffered that characteristic American infirmity, nervous breakdown, knows full well the dreadful monotony and corresponding melancholia of long hours of dreary introspection, relieved from time to time by some incident. And how that bright incident would cure momentarily the restless pain! How life in all its sweetness surged back in fleeting manner during the influence of that brightness!

Yes, the great American disease drives its victims into the desert of mental isolation, introspection and despair. Its cure comes with change of mental environment, converting the dreary mind into a garden of lovely thoughts. Until now physicians have prescribed change of material environment. But now a thing has come to humanity that brings the glow of life into the sick room. It is radio. Radio paints bright and pleasing pictures, and the lonely mind becomes radiant with happy impressions.

Do you need proof of this? Read this letter and then allow your imaginations the liberty of picturing the hospitals, the dark rooms, the lonesome homes, into which the joy of music and the sunshine of pleasant voices wing themselves to the betterment of unhappy souls:

"Crosley Radio Corporation,
"Cincinnati.

"Dear Sirs:

"I shall write you a few lines that might interest you. I had a complete nervous breakdown the 17th of December and went several weeks without sleeping and did not eat for two weeks. I was in such a terrible condition that everyone thought there was no hope. But thanks to Dr. Hyndman, who is himself a great radio fan, and who insisted on my getting a radio set, I purchased a Crosley Model 51. Now there is no one who can understand, nor can I myself, the wonderful improvement it has caused in me. My radio changes the mental condition altogether and it steadies the nerves.

(Continued from Page 4)

Crosley WLW Programs For Week of May 4th

SUNDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio

May 4th. Eastern Standard Time.
309 Meters.

9:30 A. M.—
School 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.
7:30 P. M.—
Church Services of First Presbyterian Church of Walnut Hills. Rev. Fred. K. McMillan, Minister.
8:15 P. M.—
Concert by the Western and Southern Orchestra, directed by William Kopp, (Under the auspices of the Welfare Association of the Western and Southern Life Insurance Co.)

MONDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio

May 5th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Babson Reports. Wurlitzer Social Service Program and Lecture on Beethoven (The Moonlight Sonata).
Baseball Results.
8:00 P. M.—
St. Gregory's Schola Cantorum under the direction of John J. Fehring.
8:30 P. M.—
Glimpses into the Community Chest by "Cincinnati."
9:00 P. M.—
The Crosley Theatrical Review followed by the Dokey Band, directed by Geo. C. Fricke.
March: Robinson's Grand Entree
Overture: "The Golden Dragon"
Serenade: "An Autumn Romance"
March: "Barnum and Bailey's Favorite"
Overture: "Princess of India"
Waltz: "In Old Portugal"
Serenade: "A Night in June"
Oriental Fox Trot: "Abdallah"
March: "Carrolton"
Mr. J. E. Klein presents: Hon. Senator Schultz, the political non-such in discourse on "Disgusting (Currant Jam) in Politics."
9:40 P. M.—
Popular Program by Woody Meyer's Cincinnati Orchestra.
Ted Kennedy, Violin and Director; Ernest Meyer, Manager and Drums; Wm. Dinkel, Piano; Earl Vetter, Saxophone; Robert

Seavers, Saxophone; Rudolph Schneider, Trombone; Cliff Yaeger, Trumpet; Wm. Reith, Banjo; Wm. Wilde, Bass Tuba and Violin.
(Baldwin Piano)

TUESDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio

May 6th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Topics of Interest to Women. Times-Star News. Lecture on Wagner and Verdi (The Operas) Wurlitzer Social Service.
Baseball Results.
10:00 P. M.—
Seventy-eighth Anniversary of the Cincinnati Typographical Union No. 3.
Program—
Typographical Orchestra under the direction of Adolph Silbersack.
March—"I. T. U.".....Gene Murphy
Overture—"Light Cavalry".....Suppe
Waltzes—"Wedding of the Winds".....Hall
Trumpet Solo—"Lucia Polka".....Bellstedt
Adolph Silbersack.
Selection—"Best Loved Irish Melodies"
Selections from the "Broken Idol".....Van Alstyne
Violin Solo—Herbert Silbersack.
"Frivolous Cupid".....Losey
Fox Trot—"After the Storm".....Nelson
Characteristic—"Bones Trombone".....Fillmore
Contralto Solo: "Way Down East"
Whistling Solo: "Mocking Bird"
Mr. August A. Lamping.
Soprano Solo: "Springtide"
Mrs. Anna Varrelmann Braam, accompanied by Miss Ellen Harvey at the Piano.
Baritone Solo: "Ireland I Love You"
Mr. Hugh Ryan.
Tenor Solo: "I'm In Heaven When I'm In My Mother's Arms"
Mr. James Morris.
Parody Songs by Mr. George F. Woehler.
Three Minute alks by:
Thos. J. Donnelley, Sec. Ohio Federation of Labor.
Wm. J. Cain, Pres. of the C. T. U. No. 3.
Adolph Kummer, Pres. Central Labor Council.
Special Midnight Program by the CHUBB-STEINBERG ORCHESTRA DE LUXE.
Art Hicks, Violin
Jack Saatkamp, Piano
William Cook, Saxophone and Clarinet
Holman Becraft, Saxophone
Rex Adkins, Trumpet
Frank Bamberger, Trombone
Leon Warren, Banjo
Bud Ebel, Drums
Ray Kleemeyer, Tuba.
(Baldwin Piano)

Telephones should be bought for their ampere turns and not for their resistance.

WEDNESDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio

May 7th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Wurlitzer Social Service. Program with Folk Songs and colored rituals by Dr. Edmund Oxley of St. Andrew's Church. Baseball Results.
8:00 P. M.—
Program by the BIG FOUR ATHLETIC ASSOCIATION of CINCINNATI, O.
BIG FOUR ORCHESTRA
Fred Lucht, Piano
Ellsworth Woehle, Saxophone
Edward Freshney, Cornet
Adam Lampert, Clarinet
Clinton Anthony, Banjo
Edgar Rupp, Trombone
Gilbert Backmeier, Violin
James Murry, Violin
B. A. Birkmeier, Violin
Will play—Noble Men; Don't Take My Gal; Island Nights; From One 'Till Two; Marcheta; and After the Storm.
BIG FOUR QUARTETTE
Arthur Steinbrecker, First Tenor
Herbert Strategier, Second Tenor
Albert Weinworth, First Bass
Chester Markward, Second Bass
Songs—Rose, Wonderful Rose, Close Harmony, and others.
BIG FOUR TRIO
Jack Powers, First Tenor
James Powers, Second Tenor
Michael Powers, Second Bass
Songs—My Mother's Rosary; When You and I Were Young Maggie, and When The Maple Leaves Are Falling.
Vocal Solos—Miss Julia Kelly—Accompanist Miss Martha Metz
Songs—Love Sunlight, by Cadman and others.
Vocal Solos—Miss Aurelia Dittus—Accompanist, Mr. B. A. Birkmeier.
Songs—Until, by Sanderson.
From The Land of the Sky Blue Water, by Cadman.
Vocal Solos—Herbert Strategier—Accompanist, Fred Lucht.
Songs—You Can Take Me Away From Dixie, But You Can't Take Dixie From Me; Some Body Stole My Gal; Pretty Soon.
Violin Duet—Gilbert Birkmeier, James Murry—Accompanist, B. A. Birkmeier.
Selection—Poet and Peasant, by Von Suppe.
Piano Duet—Walter McDonald, Fred Lucht.
Selection—Medley.
Trombone Solo—Edgar Rupp—Accompanist, Fred Lucht.
Selection—Asleep In The Deep.
Violin Solo—Gilbert Backmeier—Accompanist, B. A. Birkmeier.
Selection—Herd Girl's Dream; Mosquito Dance.
Five Minute Talk—By H. A. Worcester, Vice Pres., Big Four R. R., Cinti., O.
Reading—Miss Loretta Hais.
Clog Dance—Zell Jonas, Arthur Jonas.
(Baldwin Piano)

THURSDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio

May 8th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Piano Solos by Miss Adelaide Apfel. Talk by a representative of the League of Women Voters. Wurlitzer Social Service Program under the direction of Mr. and Mrs. Wm. Dunning, assisted by the Cincinnati Conservatory of Music and the Lillian Aldrich Settlement School. Schubert and Schuman Stories.
Baseball Results.
10:00 P. M.—
Concert by the ensemble classes of Dr. K. Liszniewski, of the Cincinnati Conservatory of Music, vocal quartet, string quartet and Symphony ensemble (two pianos, eight hands).
Itemized program to be announced.
Popular Dance Program by DOHERTY'S MELODY BOYS
F. A. Pendergast, Piano
Ridge Bludin, Trumpet
Leo Bludin, Saxophone
Bake Holthaus, Drums
Harry Kennedy, Trombone
J. L. Doherty, Banjo and Manager.
playing: "From One Till Two," "After The Storm," "Earl Morning Blues," "The One I Love," and others released by the National Association of Broadcasters.
(Baldwin Piano)

FRIDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio

May 9th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson.
1:30 P. M.—Market Reports.
3:00 P. M.—Stock Quotations.
4:00 P. M.—Special Program. T. C. O'Donnell, Editor of Writers' Digest, lecture on "Journalism."

SATURDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio

May 10th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
1:30 P. M.—Market Reports.

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

970 KILOCYCLES, 309 METERS EASTERN STANDARD TIME CINCINNATI, OHIO.

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

Crosley Radio Weekly

Published by The Crosley Radio Corporation, formerly The Precision Equipment Company and Crosley Manufacturing Company, Manufacturers of Radio Apparatus Colerain and Alfred Streets, Cincinnati, Ohio Telephone, West 7600 Subscription Price, \$1.00 a Year Robert F. Stayman Editor Alvin R. Plough Associate Editor

Making English Universal.

With the rapid developments in radio and with the possibility that before many years pass it will be possible for owners of small and inexpensive receiving sets to hear every large broadcasting station in the world, there has arisen a considerable amount of discussion regarding the adoption of Esperanto or Ido as an international radio language.

But why Esperanto or Ido? Why not English?

English speaking nations have done more than all others put together to develop and popularize radio broadcasting, and for this reason, together with scores of others that might be cited, the English language deserves adoption throughout the radio world.

In all world politics, a majority wins, and so with a great majority of the radio listeners of the world speaking and understanding English, why should this not be chosen as a basis for all broadcasting? This subject has been discussed by many of the nation's most learned men, but never before have we read such a convincing argument in favor of the English language as that which appeared recently in the Brooklyn Bulletin in the form of an interview with Dr. Clarence G. Child, of the English department of the University of Pennsylvania. This article in full follows:

"The development of radio may result in the use of the English language by all nations, in the opinion of Dr. Clarence G. Child, of the English department of the University of Pennsylvania.

"Dr. Charles B. Bazzoni, professor of experimental physics at the University, asserts that within a few years radio will have developed to the extent that inexpensive receiving sets will get broadcastings from all parts of the world. With the development it is very likely that a language which everybody can understand will be used for broadcasting purposes, and, Dr. Child believes, this language will be English.

"English is coming into commercial supremacy," said Dr. Child. "If the radio creates a need for a tongue universally understood—and it seems very probably that it will—English is the logical selection. "In the development of languages

there have been numerous attempts to make one language a universal tongue. Esperanto was produced, and out of it came another language of the same sort. Both enjoyed popularity for some time, but they are now out of the question in my opinion.

"Latin without any declensions or conjugations would be more successful if any tongue, not in use by some nation, were to be adopted. However, it is more likely that if all nations ever adopt a single tongue it will be one of the leading tongues now in use.

"English at present is practically sure of commercial supremacy. Half the newspapers of the world are published in English, and it is spoken by 160,000,000 people. Three-quarters of the world's mail is addressed in English. Besides it has the importance of being the medium of English literature—some of the greatest literature in the world, and for such institutions as English law and a model constitutional government.

"For some time it looked as though the French language would be supreme commercially, but it is now out of the race with English.

"With the development of radio so that it is a medium of international communication, the use of a common tongue seems quite necessary. Since English is leading today it is logical that it should be used for this purpose. It is unlikely that English will ever replace other tongues, however, as patriotism and other reasons will prevent any nation from giving up its mother tongue. The mother tongue will be used for national communications, and the English language will be used internationally, I think.

"Dr. Bazzoni, authority on radio, and now engaged in an investigation concerning signal intensity, said: We have practically reached the stage in the development of radio when it is a common means of international communication. The country is so large that the sending stations are supposed to be strong enough to be heard from coast to coast.

"Thus Eastern stations which are heard in the West are also heard in European countries. The reason that we do not get many stations in Europe is that they are not as strong as stations in this country. Countries are smaller over there, and stations only try to cover their own countries. As stronger stations broadcast, and as radio is perfected, receiving from all parts of the world will be easily possible for the amateur. This will be a matter of a very few years' time."

SUSPENDED SENTENCE

Judge: "You are sentenced to hang by the neck until dead."

Prisoner: "Judge, I believe you are stringing me."

Crystal detectors operate as long as the crystal is in good condition.

Tuned Radio Frequency For Distance

By Alvin Richard Plough

The question of which is the most popular circuit to have in a radio receiver comes up hundreds of times in the minds of prospective purchasers of radio equipment. He is faced by a multiplicity of circuits and usually relies upon the advice of a friend or salesman in his ultimate purchase.

There are many good circuits to be found in modern equipment but a recently prepared chart shows that tuned radio frequency has been rising from the lowest position in the list of hook-ups to that of the highest. This graph shows eleven circuits and tuned radio frequency is disclosed as the last in July, 1923, and in the forecast, it is first in July, 1924.

Why should there be this gradual increase in the demand for tuned radio frequency? Is it because the radio fans have tired of the freak circuits or is it a better understanding of the principles and efficiency of the TRF hook-up? It surely must be the latter reason.

This trend of popularity for the TRF circuit in a radio receiving set is no doubt due to the simplicity of tuning this type of receiver. In the accompanying diagram, it will be seen how easy it is to operate a set of this description.

There are a great many other reasons for selecting a receiver of this type and one of the most essential, is its selectivity. A receiver which is not capable of tuning out a station not desired, is of little value in these days of fine programs from the broadcast stations. The old-fashioned receiver will not tune sharply enough to overcome the annoyance of hearing undesired stations. In the Crosley Model XJ, for example, it was possible to tune out local stations and receive with fine volume, the distant broadcasting stations.

Distance alone is hardly worth the trouble of purchasing or making a tuned radio frequency set, for with this distance, there should be volume. As previously stated, the

experiment made with the Crosley set showed a fine quality and sufficient volume to operate a loud speaker, picking up a distant station while a local one was in operation.

Perhaps it would be well at this time to give a brief outline of tuned radio frequency amplification. When the antenna accumulates the high frequency currents, it is the function of a radio frequency amplifier to increase the intensity before they are impressed upon the detector for rectification. In this way, the incoming wave from a distant station may be made as strong as that from a local station, compensating for the weakening of the wave due to distance.

One would immediately assume that radio frequency amplification can be accomplished in the same way as is done with audio frequency amplification. Transformers for radio frequency amplification are available but their limitation lies in the fact that broadcasting stations operate at different frequencies or wavelengths and the design of such transformers must be a compromise which means reduced efficiency to cover the necessary band of wavelengths. If, however, a tuning unit is used, composed of a condenser and inductance, as in the case of antenna tuning, maximum efficiency may be obtained over the entire range of the receiving set. This tuned radio frequency amplification was first put on a commercial basis in Crosley apparatus.

The term radio frequency current is applied to those currents oscillating at frequencies between 20,000 and several million cycles each second. Providing a telephone receiver would vibrate at radio frequencies, it would be impossible to hear the signals or music, as the human ear will not register signals having a frequency greater than about 2,200 cycles.

These technical descriptions, however, are hardly necessary for the average person who is seeking a radio.

(Continued from Page 4)

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 must 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.

Radio Is Bringing Glow Of Life Into Rooms Of Sufferers

(Continued from Page 1)

If people afflicted with nervous trouble only knew what a great help the radio is they would not be without a set. I am herewith thanking Dr. Hyndman for his wonderful advice, and also The Crosley Radio Corporation for its wonderful product and the good programs you have from WLW.

"Sincerely

"Harry J. Smith,
"5381 Miami Ave.,
"Cincinnati."

Listeners Pleased With Broadcasting Of Opening Game

(Continued from Page 1)

It was a great day for those radio listeners who enjoy hearing about baseball games, and we desire to assure our listeners that we want to do everything we can to broadcast all that is valuable to the lovers of clean sports.

Tuned Radio Frequency For Distance

(Continued from Page 3)

radio receiver and wants to know which one is best for his particular use. Perhaps a few experiences with a tuned radio frequency receiver might be interesting.

When the Baltimore and Ohio Railroad officials desired a radio receiver to place on their train between Cincinnati and Louisville in an experiment to determine the possibility of such a service to their patrons, it was a tuned radio frequency set that successfully picked up broadcast concerts which were heard by the passengers as the train was in motion.

Another experiment which will show the power of the radio waves to penetrate steel and concrete was made in a vault in the Bank of Commerce, Memphis, Tennessee. A tuned radio frequency receiver, similar to the one illustrated, was used. Representatives from the newspapers, bank officials and J. L. Woods were locked in the vault, the door of which weighed nearly seven tons, and with a loop aerial, broadcast concerts were heard.

There could be written many other interesting experiments with a tuned radio frequency receiver, but space will not permit their telling.

TEXT OF DILL BILL

Editor's Note.—You have all heard so much about the Dill Bill which is now before Congress, and which we all hope will clear up the copyright situation so that the public may be able to listen to copyrighted music without the broadcaster being "held up." We are therefore printing below a copy of this bill so you may all be informed of its contents.

To amend Section 1 of an Act entitled "An Act to amend and consolidate respecting copyright," approved March 4, 1909.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That Section 1 of the Act entitled "An Act to amend and consolidate the Acts respecting copyright," approved March 4, 1909, be amended to read as follows:

"Section 1. That any person entitled thereto, upon complying with the provisions of this Act, shall have the exclusive right—

"(a) To print, reprint, publish, copy, and vend the copyrighted work:

"(b) To translate the copyrighted work into other languages or dialects, or make any other version thereof, if it be a literary work; to convert it into a novel or other non-dramatic work if it be a drama; to dramatize it if it be a non-dramatic work; to complete, execute, and finish it if it be a model or design for a work of art;

"(c) To deliver or authorize the delivery of the copyrighted work in public for profit if it be a lecture, sermon, address, or similar production;

"(d) To perform or represent the copyrighted work publicly if it be a drama or, if it be a dramatic work and not reproduced in copies for sale, to vend any manuscript or any record whatsoever thereof; to make or to procure the making of any transcription or record thereof by or from which, in whole or in part, it may in any manner or by any method be exhibited, performed, represented, produced, or reproduced; and to exhibit, perform, represent, produce, or reproduce it in any manner or by any method whatsoever;

"(e) To perform the copyrighted work publicly for profit if it be a musical composition; and for the purpose of public performance for profit, and for the purposes set forth in subsection (a) hereof, to make any arrangements or setting of it or of the melody of it in any system of notation or any form of record in which the thought of an author may be recorded and from which it may be read or produced: Provided, that the provisions of this Act, so far as they secure copyright controlling the parts of instruments serving to re-

produce mechanically the musical work, shall include only compositions published and copyrighted after this Act goes into effect, and shall not include the works of a foreign author or composer unless the foreign state or nation of which such author or composer is a citizen or subject grants, either by treaty, convention, agreement, or law, to citizens of the United States similar rights: Provided further, That as a condition of extending the copyright control to such mechanical reproductions, wherever the owner of a musical copyright has used or permitted or knowingly acquiesced in the use of the copyrighted work upon the parts of instruments serving to reproduce mechanically the musical work, any other person may make similar use of the copyrighted work upon the payment to the copyright proprietor of a royalty of 2 cents on each such part manufactured, to be paid by the manufacturer thereof; and the copyright proprietor may require, and if so the manufacturer shall furnish, a report under oath on the 20th day of each month on the number of parts of instruments manufactured during the previous month serving to reproduce mechanically said musical work, and royalties shall be due on the parts manufactured during any month upon the 20th of the next succeeding month. The payment of the royalty provided for by this section shall free the article or device for which such royalty has been paid from further contribution to the copyright except in case of public performance for profit; provided further, That it shall be the duty of the copyright owner, if he uses the musical composition himself for the manufacture of parts of instruments serving to reproduce mechanically the musical work, or licenses others to do so, to file notice thereof, accompanied by a recording fee, in the copyright office, and any failure to file such notice shall be a complete defense to any suit, action, or proceeding, for any infringement for such copyright: and provided further, That the copyright control shall not extend to public performances whether for profit or without profit, of musical compositions where such performance is made from printed or written sheets or by reproducing devices issued under the authority of the owner of the copyright, or by use of the radio or telephone or both.

"In case of the failure of such manufacturer to pay to the copyright proprietor within thirty days after demand in writing the full sum of royalties due at said rate at the date of such demand the court may award taxable costs to the plaintiff and a reasonable coun-

(Continued on Page 6)

Coon Dog Orchestra Draws Great Crowd To Studio Of WLW

Georgetown Entertainers - Keep
Everyone Roaring With Laugh-
ter—Town Birthplace Of
Many Noted Men.

When the Old Coon Dog Orchestra, of Georgetown, Ohio, came to Crosley Radio WLW for its second concert, so great was the curiosity of our local fans that the studio was jammed with more visitors than ever in the history of the station. Fun? Everybody laughed as people laugh when they go to a circus—as our forefathers must have laughed with pure and innocent joy at the old time dances.

The men in the orchestra, led by Uncle Charlie Warner, with Colonel Hatfield calling, came from Georgetown. Georgetown? What about Georgetown? Here are some facts that will interest you:

It may be of interest to some of our listeners-in to know something about the little city of Georgetown.

Georgetown is situated forty miles east of Cincinnati on the Grant highway and on the banks of White Oak Creek, overlooking one of the most picturesque valleys of Southern Ohio. Beside the personnel of this noted Orchestra, Georgetown has given to our country noted men, among them were: Thomas L. Hamer, hero of Monterey; Ex-President U. S. Grant, General Kautz of the U. S. A., Commodore Amman, U. S. N., Admiral Kautz, U. S. N., U. S. G. White, civil engineer of the U. S. N., Admiral Edward C. Moore, (retired) U. S. N.

It is coincident that as boys they were all lovers of music with the exception of General Grant. His comrades said he would rather fight than fiddle and subsequent events proved that to be true.

Genuine Radiotron Tubes

WD-11	.....	\$5.00
WD-12	.....	5.00
UV-199	.....	5.00
UV-200	.....	5.00
UV-201-A	.....	5.00
UV-202	.....	8.00

We carry a large stock of tubes at all times and will make prompt shipment of any of the above upon receipt of remittance to cover. We also are distributors of radio apparatus made by

The Crosley Radio Corporation.

THE JOHNSON ELECTRIC SUPPLY CO.

232 East Fifth St., 331 Main St.
Dept. A. CINCINNATI, OHIO.

Improper Headlines Give "Black Eye" To Radio Industry

**"Electrocuted By Radio" Is
Misleading and Incorrect—
Lack of Danger Empha-
sized By Expert.**

Radio, unfortunately and unjustly, frequently gets a "black eye" through improper headlines and sometimes badly written stories in the daily press. The headline—"Electrocuted by Radio," which recently appeared in a local paper, was not only misleading, but wrong according to the brief story itself. In the first place, radio itself cannot electrocute anyone, except in case of transmitting stations where high-power supply is used. At the radio receiving end, radio is not dangerous. It is even doubtful if the high-frequency power put into transmitting antenna at big commercial stations could kill, although it is admittedly dangerous to touch bare wire, the motor generator, bus-bars or the transmitting circuits, as a shock or burn might result. Only at high-powered, low frequency stations could serious results occur. Receiving sets are not dangerous, according to all well-informed experts, unless of course they are charged by outside electric power.

Referring again to the headline and the story of the unfortunate lad, who, it developed, let his antenna come into contact with an electric wire charged with 2300 volts, it is readily seen that he was not electrocuted by radio but by an electric power line. It would have been the same had he been stringing a wire clothes-line, although his death would not have been charged to a clothes-line. An autoist who stalls his machine on a railway track and is killed by an express train is not said to have been killed by an automobile.

Some sort of an aerial is usually necessary to every receiving set, and it is well known that an outside aerial is better than an inside one or a loop, except in specially constructed high power tube receivers.

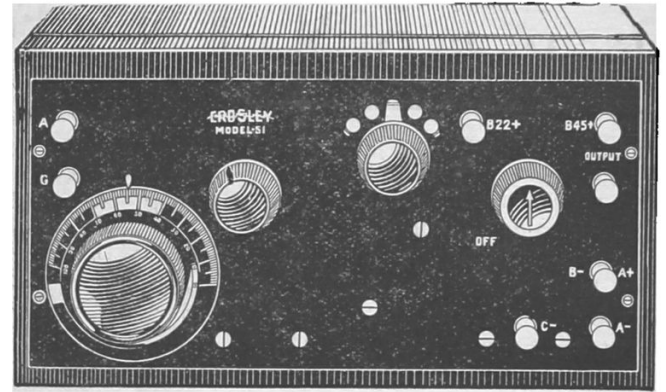
According to Dr. J. H. Dellenger, Chief of the Radio Laboratory of the Bureau of Standards, a fairly long and high antenna is the cheapest way to get loud signals with the simplest receiving sets. "To get the best results, an outdoor antenna, used for great distances or for crystal sets, one should use a single, continuous copper wire, 50 to 150 feet long, direct from the set to the highest point available at the far end, supported by good insulators, such as porcelain or glass, and kept well away from trees and buildings. Keep the antenna away from possible accidental contact with elec-

(Continued on Page 8)

CROSLY

51

\$18.50



BETTER - - - COSTS LESS

The Crosley Model 51 is the biggest selling radio receiver in the world, having become such within 24 days after it was announced. Never before has a radio receiving set met such tremendous and immediate approval. Thousands of them have been sold and each is giving wonderful service.

This new receiver is a two tube, long range regenerative set, consisting of tuner, detector and one stage of audio frequency amplification, manufactured under Armstrong U. S. Patent No. 1,113,149. It gives loud speaker volume at all times on nearby broadcasting stations, and operates a loud speaker on far away stations under fair atmospheric conditions. 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.

It incorporates a tuning element made famous in the Crosley Type V, the \$16 set used by Leonard Weeks of Minot, N. D., in his consistent handling of traffic with the MacMillan Expedition at the

North Pole, a genuine Armstrong regenerative tuning and detector circuit. To this has been added one stage of audio frequency amplification, with the well-known Crosley Sheltran 9 to 1 ratio transformer, giving an unusual volume. Thus this set uses two vacuum tubes.

It is the ideal all-around receiver. For local and nearby broadcasting stations, it will operate a loud speaker, giving phonograph volume in the home. Under reasonably good receiving conditions, it will bring in stations up to 1,000 miles, with sufficient volume for the average size room. When receiving conditions are bad, however, headphones should be used on distant stations.

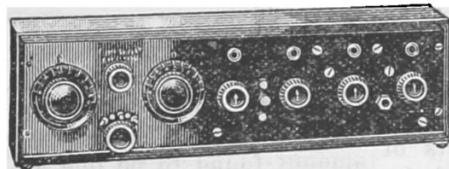
The Model 51 is unusually selective—it incorporates standard sockets so that all makes of tubes can be used. The various units are mounted on beautifully engraved grained panels inside of a hardwood mahogany finished cabinet, which completely encloses all parts and tubes.

A glance at this beautiful instrument sells it, and the results it gives creates many friends for it. Perhaps the most startling thing of all is its price—\$18.50.

OTHER WONDERFUL SETS

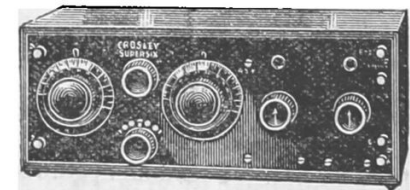
SUPER XJ \$65.00

SUPER SIX \$29.00



The new Crosley Super XJ is a four tube radio receiver incorporating Armstrong Regenerative and Miner features. This circuit has been pronounced by leading authorities throughout the country as the most efficient of the latest radio developments, enabling perfect regeneration, control of tuned radio frequency amplification with minimum reradiation and increased range, volume and selectivity. There are two stages of audio frequency amplification, which permit the operation of a loud speaker when receiving nearby as well as far-away broadcasting stations.

Manufactured under Armstrong U. S. Patent No. 1,113,149 and R. S. Miner Patent pending.



The Crosley Super Six is a new two tube radio receiver combining Armstrong Regenerative and Miner features. Perfect regeneration, control of tuned radio frequency amplification with minimum reradiation, and increased range, volume and selectivity are provided in the new Super Six. Distant broadcasting stations are being heard regularly by owners of this new set, voice and music coming in with exceptional clearness. Operation of a loud speaker is possible with the Super Six, but when perfect loud speaker reception is desired we recommend use of the Crosley Two Stage Amplifier.

Manufactured under Armstrong U. S. Patent No. 1,113,149 and R. S. Miner Patents pending.

Still other popular Crosley radio receivers include the Model XJ, four tube set, which costs but \$55.00; the Type V, one tube regenerative set, \$16.00; the Model VI, two tube set, \$24.00; the Type 3B, three tube regenerative set, \$42.00; the Model XL, a four tube set in a beautiful console cabinet with loud speaker, \$120.00; the Type 3C, three tube regenerative set in console cabinet, \$110.00. Also the Crosley two stage audio frequency amplifier for \$18.00.

THE CROSLY RADIO CORPORATION

200 ALFRED STREET

POWEL CROSLY, JR., President

CINCINNATI, O.

For Radio Dealers

J. D. Palmerlee, of Armada, Michigan, has been appointed factory representative of The Crosley Radio Corporation in Michigan and northern Indiana. He will open offices in Detroit immediately and will be in a position to assist in many ways the Crosley dealers and jobbers located in this territory. Mr. Palmerlee intends to canvass his district thoroughly, calling on every distributor and as many dealers as he can. Just as soon as offices are opened in Detroit, the address will be announced, and The Crosley Radio Corporation and Mr. Palmerlee unite in inviting every person who is interested in radio to call upon him.

James L. Woods, Jr., Crosley traveling salesman, sends in the following bit of advice, which is worthy of serious consideration by distributors and dealers:

"Extreme caution should be exercised in choosing your summer stock of radio apparatus, and it is necessary that you choose apparatus having a high rate of turn over. A dealer, however, can be over cautious and not carry enough equipment to supply the demand, which is indeed as bad as over-stocking.

"Crosley apparatus is the ideal stock to carry because it has this high rate of turn over. This is true because Crosley equipment was designed to meet the demand of the masses. The percentage of the demand for a low price, efficient receiver is estimated at 95% over that for higher priced ones. Goods are also sold in proportion to how well they are known. You, of course, are aware of the extensive advertising policy of the Crosley Radio Corporation.

"Certain dealers are skeptical about summer business but if people think business is good it will be good, so let's enter this summer with the idea to put it over. We're going to enter the summer season with all the fight we have in us, so that if you stock Crosley radio apparatus you will bring your business safely thru the storm of static, with a good profit as a cargo."

A radio salesman was telling us the other day of one of his experiences that made him feel ashamed of himself and still taught him a good lesson. There is a moral in it, too, and that is, "Don't talk—SELL."

It seems that he was demonstrating a radio receiving set to an old Dutch doctor, one of the old school. The salesman started out with a long verbal outlay of the fine qualities of the receiving set. Then he tried a demonstration, bringing in one distant broadcasting station after another, the doctor being very interested and impressed.

"What do you think of her?" ask-

Big Four Entertainers At WLW



On the evening of May 7th the members of the Big Four Athletic Club Association will furnish the program at station W L W. This Association is made up of employees of the C. C. C. & St. L. Railway, one of the New York Central Lines.

The program will consist of orchestra, male quartette and trio selections and solos. There will also be a short address by Mr. H. A. Worcester, Vice President of the Big Four.

The orchestra is under the leadership of Mr. H. C. Godwin, who is also a member of the Knights Templar band that has entertained W L W listeners.

ed the salesman. "Isn't she a dandy?"

"By gollies!" exclaimed the delighted prospect. "She's fine. Dot's a great t'ing. Every family in town should haff vun."

Then elapsed a period during which neither spoke. The salesman continued, doing all sorts of stunts with the radio set and delighting the doctor beyond words. Then he turned again to his prospect.

"Don't you think it's a good investment?" he asked.

"Sure. Dot's de stuff all right," was the reply.

"You think it's good for you?"

"It's de perries," said the doctor.

"You know you need it, don't you?" the salesman waxed warmer.

"Sure! I should say so."

"Well, why the hell don't you buy one?"

"Vell, vy the hell don'd you ask me?"

PARTING SHOT

"Professor," said a graduate, trying to be pathetic at parting, "I am indebted to you for all I know."

"Pray, do not mention such a trifle," was the reply.

The male quartette consists of Arthur Steinbrecker, first tenor; Herbert Strategier, second tenor; Albert Weinworth, first bass, and Chester Markward, second bass. An interesting feature is the trio of three brothers, Jack, James and Michael Powers.

The president of the Athletic Association, Mr. L. E. Smith, is arranging to notify the 168,000 employees of the N. Y. C. Lines to listen in for this program.

The program will hold an especial interest for the 26,000 members of the Big Four family, a very large percentage of whom are confirmed radio fans.

Text Of Dill Bill

(Continued from Page 4)

sel fee, and the court may, in its discretion, enter judgment therein for any sum in addition over the amount found to be due as royalty in accordance with the terms of this Act, not exceeding three times such amount.

"The reproduction or rendition of a musical composition by or upon coin-operated machines shall not be deemed a public performance for profit unless a fee is charged for admission to the place where such reproduction or rendition occurs."

Sec. 2. That this Act shall take effect immediately.

Defending his bill recently before the Senate Patent Committee, Senator Dill stated that many broadcasters, including newspapers, operating at great expense without financial return, had filed complaints against the heavy fees imposed upon the transmission of music to the public. Music publishers are actively prosecuting claims in connection with alleged copyright infringements, while in the only case passed upon, the issue was not clearly defined, he stated. He admitted that the amendment might

have to differentiate between broadcasting solely for good will and for profit.

Only proponents were heard on the first day. Those appearing, included E. F. McDonald, Jr., of Chicago, President of the National Association of Broadcasters; Paul B. Klugh, of New York, Chairman of the same association; Charles H. Tuttle, counsel of the Association; Frank Sheridan, of New York, an independent publisher; and Maj. J. W. Sherwood, USA of Walter Reed Hospital, Washington, D. C.

Speaking in the interest of broadcasters, Mr. McDonald told the committee that only 14, of more than 550 broadcasters, to-day were manufacturers of radio apparatus, while 55 were newspapers and 127 religious and educational institutions. An estimate of the listeners in on a single Chicago station was placed at 8,500,000, based upon the assumption that replies from 170,000 individuals indicated one out of fifty listeners. Broadcasters, he asserted, do not favor the collection of fees from these listeners to pay expenses. Mr. McDonald outlined the activities of The American Society of Authors, Composers and Publishers, and said that up to a year ago, any songs or compositions might be broadcast free.

FINIS

A teddy bear sat on the ice, . . .
As cold as cold could be;
But soon he up and walked away,
"My tale is told," said he.

DAILY PROGRAM

10:30 Weather Forecast.
A. M. Fifth-Third National Bank Bond Department Report; financial letter, call money rates, on Cincinnati and New York, Liberty Bond opening quotations, Foreign Exchange opening, Chicago opening grain quotations, Cincinnati and Chicago hog market reports.
Westhelmer and Company, opening quotations of New York Stock Exchange.
Weather Forecast repeated.

P. M.
1:30 Fifth-Third National Bank Bond Department Report; financial letter, call money rates, on Cincinnati and New York, Liberty Bond, Foreign Exchange and Chicago grain noon quotations. Also closing Chicago cash grain quotations. Complete Indianapolis and Chicago live stock report; Cincinnati cattle market report.
Westhelmer and Company, closing quotations Cincinnati Stock Exchange, giving the bid, offer and sale.

3:00 Henry W. Brown & Company, Cincinnati Cash Grain Market closing quotations with market conditions. Closing quotations of the Chicago Grain Market.
Westhelmer and Company, closing quotations at New York Stock Exchange.

Bureau of Markets, United States Department of Agriculture, Chicago and New York Butter and Egg Market reports.
Special Half Hour Program and News at 4:00 each afternoon, except Saturday and Sunday, as announced by Radio.
Sunday School Services at 9:30 and Regular Morning Services of the Church of the Covenant, beginning at 11:00.
Special Program at 8:00 P. M.

PHONE HARRISON 2634

C. S. TAY SALES CO.RADIO EQUIPMENT
53 West Jackson Blvd.
CHICAGO, ILL.Liberty Transformers
Million Point Crystals
Hot Voltmeters and Ammeters
Music Master Horns and Gence ProductsElectrad Products
F-F Battery Chargers
G. W. 5 Circuit Plug
Durham Variable Grid Leaks

April 3, 1924.

Mr. Powell Crosley, Jr.,
c/o Crosley Radio Corporation,
Cincinnati, Ohio.

Dear Mr. Crosley:

You will be interested to know that in operating the Trirdyn last night in our office in the Loop, and within one block of KYW Broadcasting Station, we brought in Davenport on a loud speaker without using any aerial or ground and without any interference from either KTW, WDAP or WGN, the other local broadcasting stations.

Yours very truly,

C. S. TAY SALES CO.

CST:FP

KYW TUNED OUT**BY CHICAGO MAN
OPERATING A****CROSLY****TRIRDYN****WITHOUT AN AERIAL**

LOCAL stations easily are tuned out by operators of the Crosley Trirdyn 3R3, that \$65.00 three tube radio receiver which has become so tremendously popular since its announcement a few weeks ago. The letter reproduced above is but one of the hundreds we have on file that prove owners of the Trirdyn may tune-in far away stations while local ones are broadcasting.

Just pause a moment and consider the statements of Mr. Tay, who is one of the most widely known radio distributors in the middle west. In his office in the loop, where electrical interferences are so terrible, and within one block of the powerful KYW radio station, Mr. Tay tunes out that station and brings in Davenport on a loud speaker. But that is not all, as his letter proves. Mr. Tay was using neither aerial nor ground. And KYW was not the only Chicago station on the air. WDAP and WGN, two other very powerful stations, were broadcasting.

It has been noted that the great demand now is for radio receiving sets that are able to cut through local stations while they are in operation. This demand certainly is met by the Trirdyn. Dealers need but demonstrate the set and it is sold.

The Trirdyn has the following attractive features: Tuned Radio Frequency Amplification, Regenerative Detector reflexed back on the first tube, and an additional stage of Audio Frequency Amplification. The combination of these things gives it the effect of at least five tubes, although there are but three.

The opinion of every one who heard these sets in operation is that they will perform in every way, as to volume and

selectivity, with any five tube receiving set, and the quality is better.

This receiving set is non-radiating (or non-reradiating, as it is sometimes called) so that it causes no interference in a neighborhood in which it may be used. It is controlled by means of only two dials, which can be perfectly and accurately calibrated, and being only two such dials, enables ease in picking up new stations without calibration.

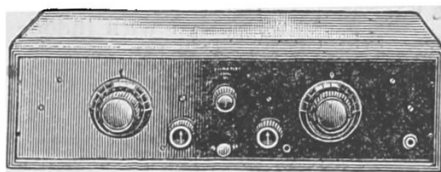
The Trirdyn is equipped with two rheostats, one controlling the detector, which can be set accurately on reception of the first station. The other rheostat controls both amplification tubes, and can also be set for volume and clarity at the same time that the detector rheostat is adjusted, after which no further change need be made in the rheostat adjustment, excepting for change in A Battery voltage.

This slide tickler regenerative control can also be set and is used only occasionally during the operating period for adjustment of volume, so that the control of this set is actually "boiled down" to two dials.

A selector coil is provided on the receiver to be used sometimes during local interference in connection with some types of antennae, in order to provide greater selectivity.

This is, we believe, the ideal receiver. West Coast broadcasting is, of course, copied regularly in Cincinnati on this instrument. It can be used satisfactorily with a very small indoor antenna, which provides loud speaker volume even on long distance stations.

The Trirdyn, or 3R3, gets its name from the combination of radio frequency, regeneration and reflex and also the fact that the set uses only three tubes.

**THE TRIRDYN****PRICE, WITHOUT TUBES, BATTERIES OR PHONES----\$65.00****BETTER - - - COSTS LESS****THE CROSLY RADIO CORPORATION**

POWEL CROSLY, JR., President

CINCINNATI, OHIO

002 ALFRED STREET

Origin Of SOS Call Is Explained For Benefit Of Curious

**S. O. S. Are Not Initial Letters
of Any Special Words, But
Merely Are Those Agreed
On At Conference.**

The origin of the distress call of ships at sea, familiar to all operators and many fans, has caused considerable curiosity, and in order that a complete report could be made, the International Bureau of The Telegraph Union at Berne was asked for a resume of the origin and history of "SOS."

According to advices just received from M. Etienne, Director, the first suggestion of a distress call for ships was made by the Italian Delegates to the preliminary conference on wireless telegraphy, at Berlin in 1903. They urged the adoption of a universal signal "SSSDDD," to be sent by ships in distress, explaining that all stations and ships should be obliged to receive the following messages, suspending their other communications and passing on immediately to reception. The other delegates agreed to the need for such a signal but left the final decision to a special conference.

Soon after this suggestion, the Marconi Company recognized the need for a distress call, and on February 1, 1904, the famous call "CQD" was instituted on all their ships by a general order. This signal was a combination of the general call "CQ" coupled with the letter "D," to signify distress. Several countries, including the United States, adopted "CQD" and used it until the Berlin regulations were ratified.

At the Radio Telegraphic Conference in Berlin in 1906, the German Government submitted the following suggestions relative to a standard distress call: "Ships in distress will make use of the following special danger signal: . . . — . . . (SOS)."

Previously German ships desiring to communicate with all vessels in their proximity without knowing their names of calls would send an inquiry signal "SOE." Germany planned to suggest this signal as the international signal, but as the last letter "E," represented by a single dot, was not believed sufficiently characteristic, being easily susceptible to loss, especially during atmospheric disturbances or in heavy traffic, or when carelessly transmitted, the delegates in 1906 suggested the final letter as "S," thereby having the honor to define what became the universal signal "... — . . ." "SOS."

The distress signal "SOS" was adopted officially and put into effect by the International Radio-

telegraphic Convention of Berlin in July, 1908. It was a matter of keen regret to the Marconi operators that their old signal "CQD" was not adopted, and many continued to send "CQD" as well as "SOS" when accidents occurred. "CQD," however, was gradually forgotten. In 1912 the United States adopted "SOS" when the international agreement was accepted.

The signal today is "SOS" without spaces, the Berne Bureau explains, and should not be sent . . . — . . ., but . . . — . . .

Improper Headlines Give "Black Eye" To Radio Industry

(Continued from Page 5)

tric wires," he admonishes.

Replying to the query: "Are antennae dangerous?" Dr. Dellenger said: "The lightning hazard is practically nil. Only for outside antennae need lightning protection be considered at all; it is very simple. A small and cheap device called a lightning arrester should be connected between the antenna and the ground wire on receiving sets. An antenna is no more likely to bring lightning into a house or apartment than are over-head telephone or electric light wires. The principal hazard from antennae is from stringing out-door antennae over or near electric light wires. A number of persons have met death by electrocution from this cause." A special committee on the National Electrical Safety Code is now drawing up regulations and precautions for the erection and use of aerials, and will report soon.

Concerning antennae in general, Dr. Dellenger pointed out that there is nothing about them to justify the large amount of worry and uncertainty they seem to give many uninitiated fans. An antenna, he explained, is the "harness" that converts the radio wave motions into currents which operate the receiving set. Almost any sort will work for a broadcast receiving set, he said, adding that fans do not need to imitate the amateur transmitters and erect elaborate antennae of several wires. A general antenna for reception should be a

If you wish to BUY or SELL
SECURITIES
Or own some about which you
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

single wire running from the set, direct if possible to a conveniently high point at the far end. It does not have to be horizontal, a slight angle is sometimes advantageous, and it does not matter in what direction the antenna points.

Little directional difference is noted in reception, except in special and long antennae. Good insulation is necessary and he recommends that the wire be swung over a clear space if possible, with at least five feet clearance over all objects crossed. Number 14 solid, bare, copper wire, or larger sizes, are recommended, since it has low resistance and results in loud signals. Stranded wire, though stronger, is not considered quite as good as solid wire. Insulated wire, he explained, is not especially detrimental, but costs more than bare wire.

From 50 to 150 feet is the usual length recommended for broadcast reception; longer aerials bring in stronger signals, he says, and are more certain to bring in distant stations, but they also bring in more interference, including static. "Antenna length," he sums up, "is a compromise between loudness of signals and freedom of interference, but these antennae are longer for distance but quality of reception, he believes. If, however, one wants to astonish his friends with a long distance record, he explains, let him erect a "whale of a long antenna," or, use a very sensitive, many-tube receiving set, or both, and pile up a record. Receiving sets using electron tubes work well with indoor antennae or loops, the latter aiding in directional effects, but these antennae are relatively weak and therefore the signals must be amplified, he explained.

Use good insulators and solder all connections, for the lower the resistance the stronger the signal.

We broadcast daily at
10:30 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.

THE RADIO BUG

By Caswell A. Mayo

Radio fans will remember that Dr. Mayo, the author of this rhyme, spoke from W L W on April 16th on "Medicine in the days of Tutenkhamen."

You may talk about bacilli
And the damage that they do,
'Bout the horrid typhoid germ
Which you hope won't light on
you.

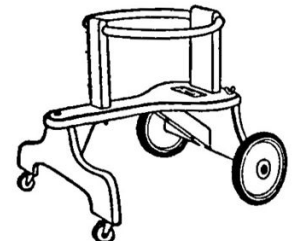
You may talk about the T. B.
And the deadly spirochete,
But another bug has struck the
town—
A germ that's hard to beat.

This new one is the radio bug—
A most contagious kind.
It spares no woman, child or
man.

The lame, the halt, the blind,
All fall a victim to its sting,
All haunt the radio shops,
All "listen in" night after night
Until the broadcast stops.

There was an Ananias club
In pre-Volsteadian days
Of all the greatest liars
Who lied in various ways,
But this old club is quite passe,
Ananias got the can.
The greatest liar nowadays
Is the simple radio fan.

The Go-bi-bi



No longer does Daddy carry the infant about in his arms while mother prepares supper. Little brother and sister do not have to sacrifice their play hours to take care of the baby. And Mother—look at Mother, just as carefree as the children. All because the Tiny Tot in this home is learning to walk by means of the GO-BI-BI and needs little attention from anyone. On the contrary he is keeping the rest of the family entertained.

"My wife and I are 'tickled to pieces' over the GO-BI-BI we have for our ten months' old girl. It is just like a one ring circus to watch her." (Signed) Gordon B. Small, Springfield, Mass.

Every dealer in baby things or children's vehicles should stock the GO-BI-BI, and help to make healthy babies and happy homes in ! ! community. Nothing like it for making satisfied customers.

CROSLY MFG. COMPANY
1632 Vandalla St. Cincinnati, O.

"Freedom Of The Air" Is Won By Radio Broadcasters; Court Upholds Crosley Corporation In Copyright Suit

Listeners Invited To Attend Crosley Party At The Zoo

Thousands Expected To Take Part In Celebration At Famous Garden — Write for Free Tickets.

Every radio listener in the country is invited to attend a free party and dance to be given by The Crosley Radio Corporation at the famous Cincinnati Zoological Garden on the evening of May 9th. The gates will be opened at 6 p. m. and every person bearing a ticket will be admitted to the Zoo and will be permitted to dance to his heart's content. Tickets may be obtained by writing to the Crosley Corporation or from any of the dealers in Cincinnati who handle Crosley apparatus.

We extend the invitation to every radio listener in the country, but we realize it will be almost impossible for non-residents of Cincinnati to attend. However we want all to feel that they are invited, no matter whether they live here or not, and we certainly hope that every listener in Cincinnati will take part in the festivities incident to the party.

This dance will mark the official opening of the Zoo for the summer season and Charles McClure's Dancesant Orchestra will furnish the dance music, beginning at seven-thirty.

With the daylight-saving time in effect, it will be light enough from six, when the gates are open to holders of Crosley tickets, to view the wonderful collection of animals before the dancing starts. Tickets are good for children as well as adults and you may have as many as you desire.

Here is an opportunity to see the Zoo's big attraction as the guest of Powel Crosley, Jr. The lower pavilion will be open for the sale of light refreshments. The fish pond game and other attractions will be at the disposal of all who come. Tickets will be honored at the gate at six o'clock. Free automobile parking space will be available.

Rendition Of Selection By Radio Is Not A "Public Performance for Profit," Federal Judge Rules—Decision Is One of Most Important Ever Handed Down In Which Radio Industry Is Affected.

Holding that the present copyright statutes does not cover the broadcasting by radio of copyrighted music, Judge Smith Hickenlooper, in the United States District Court, dismissed a suit filed by Jerome H. Remick and Company, Inc., New York City, music publishers, against The American Automobile Accessories Company in which the plaintiffs attempted to compel the latter corporation to pay a special tax for permission to play copyrighted music.

At the time the suit was filed the Crosley Manufacturing Company, operating Station WLW, was a division of The American Automobile Accessories Company. Since then, however, it has become a part of The Crosley Radio Corporation, of which Powel Crosley, Jr., is president.

The high point in the opinion handed down by Judge Hickenlooper

is the holding that the broadcasting of a rendition of a copyrighted musical composition is not a "public performance for profit" within the meaning of the music copyright law, for the reason that to constitute a public performance in the sense Congress intended the words it is essential that there be an assemblage of persons congregated at the place of amusement for the purpose of hearing that which transpires there. He dismissed the Remick petition on the grounds that the facts stated did not establish cause for action.

When Mr. Crosley was notified that the suit had been decided in his favor, he issued the following statement:

"Although we have won our fight against the publishers of copyrighted music, we do not intend to use such in our broadcasting station. The National Association of Broad-

(Continued on Page 6)

Atmosphere Of Class Room To Be Created In Radio Studios

Announcer At WLW Writes About Attempts Being Made to Popularize Educational Feature.

By Fred Smith, Studio Director at WLW.

Five centuries ago, when the printing press was invented, who dreamed of the vast number of publications that would follow, of the books and newspapers for every living soul, of the great power of the press, of the innumerable public libraries, schools, colleges and universities, the far-reaching and universal influence of which was due to the development of that single invention. Printing has become a part of our life. Its power is a result of its economic value. Every invention becomes a power in proportion to its applicatory qualities to economic demands.

Radio broadcasting today stands before the world with eyes turned to the skies, wondering what to do; or, like a fledgling, flutters its wings and knowing not just whither to direct its flight. Yet vaguely can we feel that such a marvelous instrument for the transmission of human thought must develop into a utility far superior to the printing press. And following quick upon this reflection comes the question: what are we going to do as our share in this development?

The greatest criticism brought against the democratic advantages of our civilization during the past half a thousand years is that it has reduced everything to the ordinary, all classes to mediocrity. There may be some truth in this; but it has always been an American ideal that universal opportunity offers a much greater per cent of probability of actual achievement to the youth of brains in all classes. Following this theory, America has ever encouraged an easy road to education.

This American tendency is sure to assert itself in the use of radio. Everyone is vaguely conscious that we hold within our hands a new,

(Continued to Page 3)

TEXT OF RADIO MUSIC DECISION

Following is the full text of Judge Hickenlooper's decision in the music case:

In the District Court of the United States, Southern District of Ohio, Western Division.

Jerome H. Remick & Company, a corporation, etc., Plaintiff,

No. 341, In Equity.

Vs.

Memorandum opinion on Motion to Dismiss Complaint.

The American Automobile Accessories Company, a corporation, etc., Defendant.

HICKENLOOPER, District Judge:

This matter comes on upon motion to dismiss the bill of complaint. The defendant is a manufacturer of radio receiving sets and parts, and as a part of its business maintains and operates a radio broadcasting station for the transmission

through space of intelligence and music. Such radio broadcasting station is undoubtedly maintained for the purpose of stimulating interest on the part of the public, for the purpose of advertising the receiving sets and instruments of defendant's manufacture, and for the purpose of affording the owners of crystal and other sets of lesser range and power the opportunity of converting radio frequency waves produced by high-tension alternating electric current into audio frequency of direct current, and thus producing a reproduction of the sounds broadcast, by means of ear-phones or loud speakers, in the home. It must be kept in mind, also, that broadcasting stations are maintained throughout the United States by those who have no direct connection with the manufacture or sale of radio equipment, solely for the advertising value of such broadcasting stations. A notable example of this is the station maintained by the United States Playing

(Continued on Page 8)

Crosley WLW Programs For Week of May 11th

SUNDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 11th. Eastern Standard Time.
309 Meters.

9:30 A. M.—
School 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.
7:30 P. M.—
Church Services of Emmaus Evangelical Lutheran Church, P. L. Dannfeldt, Pastor.
8:15 P. M.—
Concert by the Western and Southern Orchestra, directed by William Kopp, (Under the auspices of the Welfare Association of the Western and Southern Life Insurance Co.)

MONDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 12th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:30 P. M.—Babson Reports.
8:00 P. M.—
Talk: "Citizen's Military Training Camp" by Rabbi Philipson.
Glimpses into the Community Chest by "Cincinnati."
Cincinnati Zither Quartet:
Charles Hohe, Ruth Hohe, A. Roehrich and L. Wegert.
1. "Only You"Wegert
Zither trio with Violin obligato by Mr. Hohe.
2. "Divided Sorrows"Wegert
Zither trio with violin obligato.
3. "Sounds from Home".....Hauser
Zither Quartet.
4. "O Jolly Forest"Reuffer
Zither Quartet.
8:00 P. M.—
Special Program from the College of Music under the direction of Mrs. Adolf Hahn.
Vocal Solos by Mrs. Louis Pook.
Instrumental Trio: Mr. Uberto Neely, violin; Mr. Karl Payne, violin; and Mr. Milton Dockweiler, viola.
Piano Solos and accompaniments by Miss Dorothy Stolzenback.
9:00 P. M.—
Crosley Theatrical Review followed by entertainment by WOODY MEYER'S CINCINNATI ORCHESTRA.
Ted Kennedy, Violin; Ernst W. Meyer, Manager and Drums; Wm. Dinkel, Piano; Earl Vetter, Saxophone; Robert Seavers, Tenor Saxophone; Rudolph Schneider, Trombone; Cliff Yaeger, Trumpet; Wm. Rieth, Banjo; Wm. Wilde, Bass Tuba and Violin.
(Baldwin Piano)

TUESDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 13th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Topics of Interest to Women.
Lecture "The Importance of the Spiral Movement" by Mrs. Winifred Ellerbrock.
Sonata in A major for Violin and PianoC. Franck
Miss Lorie King and Mr. William C. Stoess.
First in a series of talks on "Silver Black Fox" (The courtesy of the Great Northern Fox Company).
10:00 P. M.—
Songs by Miss Bess Brady.
Special Program given by the members of the Fraternal Order of Eagles Aerie No. 142, arranged by Peter J. Biecher, secretary of the Membership Drive Committee.
Selections by the Eagle Orchestra under the direction of Harry Stroetman.
Tenor Solo: George Mulhauser.
Eagle Orchestra under the direction of Walter Arnold.
Songs by Clifford Hornback.
Talk by Judge J. C. Rieger.
Eagle Orchestra directed by Harry Stroetman.
Whistling selections and imitations by Hugh Hobson.
Songs by Danny Lane.
Banjo Solos by John McClure.
Orchestra Selection under Walter Arnold.
Tenor Solo by George Mulhauser.
Piano Solo by Harry Stroetman.
Songs by Clifford Hornback.
Banjo Solo: John McClure.
Songs by Danny Lane.
Finale: "America" by ensemble.
(Baldwin Piano)

WEDNESDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
May 14th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Concert for the "Shut Ins" by the Wurlitzer Concert Company.
8:00 P. M.—
Special Program of the 7th annual convention of the National Coal Association held in Cincinnati at Music Hall.
A speaker of national importance will address the meeting.
Music by the Cincinnati Symphony Orchestra, Mr. William Kopp conducting.
(Baldwin Piano)

THURSDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 15th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Piano Solos by Miss Adelaide Apfel. Talk by a representative of the League of Women Voters.
10:00 P. M.—
Times-Star Radio Club of the World.
10:10 P. M.—
Special Program by the Conservatory of Music.
Trio: Selected.
Miss Oramay Ballinger, violinist
Miss Evangeline Otto, violoncellist
Miss Gladys Storrs, pianist.
Baritone Solo:
"Thora"Adams
Mr. D. L. M. De Vaux.
Violin Solo:
Canto AmorosoSammartini
Miss Ballinger.
Piano Solo:
LiebestraumeLiszt
Miss Storrs.
Vocal Duet:
"Song of Love"Schubert
Miss Idella Banker,
Mr. D. L. M. De Vaux.
Trio (instrumental)Selected
Violin Solo:
Swing SongBarns
Miss Ballinger.
Baritone Solo:
"On the Road to Mandalay"
.....Speaks
Mr. De Vaux.
Soprano Solo:Selected
Miss Idella Banker.
Instrumental TrioSelected
11:30 P. M.—
Popular Dance program by DOHERTY'S MELODY BOYS
F. A. Pendergast, Piano
Ridge Bludin, Trumpet
Leo Bludin, Saxophone
Bake Holthaus, Drums
Harry Kennedy, Trombone
J. L. Doherty, Banjo and Manager,
playing: "From One Till Two," "Blue Rose," "After the Storm," "The One I Love," and others released by the National Association of Broadcasters.
THE FRENCH BROTHERS-BAUER MALE QUARTET.
(Baldwin Piano)

FRIDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 16th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson.
1:30 P. M.—Market Reports.
3:00 P. M.—Stock Quotations.
4:00 P. M.—Special Program. T. C. O'Donnell, Editor of Writers' Digest, lecture on "Journalism."

SATURDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio.
May 17th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
1:30 P. M.—Market Reports.

DAILY PROGRAM

10:30 Weather Forecast.
A. M. Fifth-Third National Bank Bond Department Report; financial letter, call money rates, on Cincinnati and New York, Liberty Bond opening quotations, Foreign Exchange opening, Chicago opening grain quotations, Cincinnati and Chicago hog market reports.
Westheimer and Company, opening quotations of New York Stock Exchange.
Weather Forecast repeated.
P. M.
1:30 Fifth-Third National Bank Bond Department Report; financial letter, call money rates, on Cincinnati and New York, Liberty Bond, Foreign Exchange and Chicago grain noon quotations. Also closing Chicago cash grain quotations. Complete Indianapolis and Chicago live stock report; Cincinnati cattle market report.
Westheimer and Company, closing quotations Cincinnati Stock Exchange, giving the bid, offer and sale.
3:00 Henry W. Brown & Company, Cincinnati Cash Grain Market closing quotations with market conditions. Closing quotations of the Chicago Grain Market.
Westheimer and Company, closing quotations at New York Stock Exchange.
Bureau of Markets, United States Department of Agriculture, Chicago and New York Butter and Egg Market reports.
Special Half Hour Program and News at 4:00 each afternoon, except Saturday and Sunday, as announced by Radio.
Sunday School Services at 9:30 and Regular Morning Services of the Church of the Covenant, beginning at 11:00.
Special Program at 8:00 P. M.

MISTAKEN IDENTITY

"Didn't I meetcha coupla years ago in New Orleans?" Thus a man inoculated with the present day so-called liquor addressed a stranger he accosted on the street.
"No, I am sure you are mistaken," was the reply. "I never lived in New Orleans. In fact, I've never been there."
"Thash funny—thought I'd metcha." After hesitation, "Guess you're right. I've never been in New Orleans, either. Musta been a coupla other follows."

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

970 KILOCYCLES, 309 METERS EASTERN STANDARD TIME CINCINNATI, OHIO.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.
11:00 A. 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.
7:30 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.
8:15 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	
	8 P. M. to 10 P. M.	10 P. M. to 12 P. M.	8 P. M. to 10 P. M.	10 P. M. to 12 P. M.		

Crosley Radio Weekly

Published by The Crosley Radio Corporation, formerly The Precision Equipment Company and Crosley Manufacturing Company, Manufacturers of Radio Apparatus Colerain and Alfred Streets, Cincinnati, Ohio Telephone, West 7600 Subscription Price, \$1.00 a Year Robert F. Stayman Editor Alvin R. Plough Associate Editor

RADIO THIS SUMMER

Plans and programs just completed by the larger broadcasting stations in the United States, as well as by the leading manufacturers of radio apparatus, will make the summer of 1924 the greatest radio summer since broadcasting was begun.

This is the announcement made by E. B. Mallory, Chairman of the Radio Section of the A. M. E. S. (Associated Manufacturers of Electrical Supplies), which includes in its membership all the leading factors in the radio industry. Extraordinary circumstances have combined, he declared, to create an exceptionally interesting situation this summer, and a nation-wide survey discloses the fact that at no time has the industry been geared to give a higher standard of service to the radio public.

"In the first place," said Mr. Mallory, "the Democratic National Convention in New York in June and the Republican National Convention in Cleveland during the same month, will place the radio 'fan' right in the thick of the pre-election campaign. For the first time in the history of the United States virtually millions of people will 'attend' the national conventions. They will be able to follow each issue as it is debated on the convention floor; they will hear the nomination speeches of 'favorite sons'; the thunder of applause for popular candidates—the music, the clamor and excitement of the impromptu parades which will spring up from time to time on the convention floors. Elaborate arrangements are now being made so that the greatest possible radio audience may be able to listen in on these conventions.

"Immediately after the conventions will come the Presidential election campaigns. There again radio will play an epoch-making part, for it is clear that every candidate is preparing to broadcast through the air his appeal to the electorate.

"The fact that there are more Class B high-powered broadcasting stations in operation this year than last year, is assurance to the radio audience that reception during the hottest summer months will be vastly better. The new allocation of wave lengths, particularly among

the higher powered stations, it is generally agreed, will eliminate much of the interference that resulted from conflicting wave lengths. "Then, too, many of the stirring events that will be broadcast by radio this summer are daytime events. This means clarity of reception. Not only the national conventions, but most of the great sporting classics and other outdoor events throughout the country will be held during the day time. So much for this point.

"Another factor that will make for good reception this summer is the striking improvements noted by our technical committee in the new receiving apparatus now on the market. It is impossible of course, to measure mathematically the advances made by the radio manufacturing industry in the course of one year. But this may be said: one of the results of the many notable improvements made in receiving sets is that day-time reception this summer will be better than night-time reception in previous years. This insures that the splendid program of sports, music, speeches and entertainment planned for this summer from many broadcasting centers will be received with great satisfaction by the millions of radio listeners in the United States."

Preliminary reports from radio distributors and dealers, Mr. Mallory concluded, indicate the expectation of record-breaking summer-time sales of radio apparatus this year.

POCKET RAILWAY GUIDE

An absent-minded English bishop could not produce his ticket for the railway collector.

"Never mind, my lord," said the conductor; "it's all right, anyway whether you find it or not."

"Oh, no, it isn't," said the bishop turning out his pockets. "I must find that ticket. I want to find out where I am going."—Exchange.

In regenerative sets begin tuning for the station with regeneration at zero, and when the station is heard increase regeneration until the signal is at its loudest.

Atmosphere Of Class Room To Be Created In Radio Studios

(Continued from Page 1)

strange, and marvelous means. How shall it be applied? Shall we give lectures, and state facts? This method has been tried, is being tried, but human nature is against it. For the great disadvantage to radio teaching so far has been the one-sidedness of it all—the mere talking of a speaker.

Suppose an earnest student has a question surge up in his mind? How can he have it answered and so make room for other thoughtful questions? If he must wait for a letter it will take days and days, and even then the personal element is lost. But if he could only talk back to that voice out of the air! If only he might converse immediately, or even hear others conversing! Then the intimate touch would be added, the atmosphere of the class room would be created.

This is the conclusion we have come to at the Crosley Radio WLW. A single experiment proved conclusively that the plan was workable. A lesson in Spanish was given before the microphone, with two pupils there, and two others listening in on a crystal set with a telephone close at hand. The teacher quizzed the pupils who were with him before the microphone, so that what they said, his corrections with regard to pronunciation and construction, went clearly over the air to the radio part of the class. Then he asked one of the listeners to phone in, calling him by name. Almost immediately the phone beside the teacher rang, and he asked the radio pupil to answer questions, correcting him in turn.

Thus was given the demonstration of constructive teaching by radio. After the class was dismissed all of the papers were examined, and it was found that those who had listened in at a distance had understood and applied the teaching as perfectly as those who had been right with the teacher.

Grand Piano Is Prize

The Baldwin Piano Company plans to give away a beautiful new Small Grand Piano, the manufacture of which has just been started in the Cincinnati factories. The retail price of this piano is \$875.00. The Baldwin Company is desirous of obtaining a name for it that will be an American name in keeping with the traditions and ideals of the House of Baldwin. As everyone knows, many names such as Hamilton, Ellington and Howard are now in use, so it will be useless to suggest any of these. Bear in mind: The piano is a diminutive Grand, made by Baldwin in America.

The person fortunate enough to recommend the name selected by the Baldwin Piano Company will receive as a reward one of these instruments. Send all communications to The Crosley Radio Corporation, Cincinnati, Ohio.

The contest closes May the 10th. Winner will be announced May 20th.

The experiment seemed to have been a perfect success.

Thereupon the Crosley WLW studio decided to give a series of Spanish lessons by way of further and more complete experiment. This series began May 5th, with short lessons at 12:45 each noon. From an enlargement of this method we hope to introduce other classes, believing that radio broadcasting of speech will lead to a marvelous method for the dissemination of education and culture, stimulated by that most necessary quality of personal touch that turns mere method into human interest.

Thus will the fledgeling of radio flutter and spread its wings, turning this way and that until it discovers, proves and maintains its strength to fly its own high course toward the highest crests of human aspiration.

A LONG LAY-OFF.

"You give your clerks two weeks' vacation every year, don't you, Mr. Tintack?" asked the friend.

"A month," grunted the eminent hardware dealer.

"A month?"

"Yes. The two weeks when I go on my vacation and the two weeks when they go on theirs."

NOT HIM

Shop Foreman: "You ain't one of them blokes wot drops their tools and scoots as soon as knock-off blows, are you?"

Lily White: "Not me. Why, I often have to wait five minutes after I put me tools away before the whistle blows."

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 must 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.

Hears 82 Broadcasting Stations In 30 Days On Crosley Model 51; Local 500 Watt Plant Tuned Out

The following letter, which is so interesting to owners and prospective owners of Crosley radio receivers, was received by the Gardiner Radio Shop, in Dallas, Texas, and forwarded to The Crosley Radio Corporation:

"Dallas, Texas, April 14th, 1924.

"Gardiner Radio Shop,
"514 Browder Street,
"Dallas, Texas,
"Gentlemen:

"I am sending you the enclosed list of 82 stations I have heard on the Crosley Model 51 receiving set I purchased from you March 16th, 1924.

"I have owned several radio sets, some costing over \$100.00, but have received a greater distance on the Crosley Model 51, using WD 12 tubes, than on other sets using standard tubes.

"I may also add that I am able to tune out the Dallas News 500 watt station WFAA and bring in stations within 24 meters.

"I have an aerial 100 feet in length, including lead-in, and am grounded to a water pipe. I have the set at my home at 1027 Martiniue street, three miles from the Dallas News station, WFAA. I have heard KGU very plainly three nights in succession at 1 A. M. Central Standard Time, and have held them until they signed off at 1:30 A. M., our time. I have had confirmation from KGU on their programs.

"I can certainly recommend the Crosley Model 51 to anyone wanting a real radio set.

"Yours very truly,
"V. H. Robertson."

The list he enclosed follows:

- KPO, San Francisco, Cal.
- WOAW, Omaha, Neb.
- WLAG, Twin Cities--Minn.-St. Paul
- KGW, Portland, Ore.
- PWX, Havana, Cuba.
- WOAI, San Antonio, Tex.
- WOC, Davenport, Iowa.
- KHJ, Los Angeles, Cal.
- KLZ, Denver, Colo.
- WHA, Madison, Wis.
- KYW, Chicago, Ill.
- WWJ, Detroit, Mich.
- KSD, St. Louis, Mo.
- WLW, Cincinnati, Ohio.
- WGY, Schnectady, N. Y.
- WCX, Detroit, Mich.
- WEAY, Houston, Texas.
- WTAM, Cleveland, Ohio.
- KDKA, Pittsburg, Pa.
- WFAF, Denver, Colo.
- WMC, Memphis, Tenn.
- WAAW, Omaha, Neb.
- WGR, Buffalo, N. Y.
- WDAP, Chicago, Ill.
- WHB, Kansas City, Mo.
- WSAI, Cincinnati, Ohio.
- WHAS, Louisville, Ky.
- WOS, Jefferson City, Mo.
- WBAF, New York City, N. Y.
- WSY, Birmingham, Ala.
- WDAF, Kansas City, Mo.
- KFKX, Hastings, Neb.
- WCAE, Pittsburg, Pa.
- WJAZ, Chicago, Ill.
- WWAC, Waco, Texas.
- KFFQ, Colorado Springs, Colo.
- KFGZ, Berrien Springs, Mich.
- WBL, Athony, Kan.
- WHAA, Iowa City, Iowa.
- WTG, Manhattan, Kan.
- WTAS, Elgin, Ill.

- WMAQ, Chicago, Ill.
- CFCN, Calgary, Canada.
- CYL, Mexico City.
- CYB, Mexico City.
- WSB, Atlanta, Ga.
- WPAM, Topeko, Kan.
- WHAZ, Troy, N. Y.
- CFCQ, Vancouver, British Columbia, Canada.
- KFI, Los Angeles, Cal.
- KFDX, Shreveport, La.
- WOI, Ames, Iowa.
- WVAE, Joliet, Ill.
- KFIX, Independence, Mo.
- KDZB, Bakersfield, Cal.
- WCAP, Washington, D. C.
- WCBD, Zion, Ill.
- WTG, Manhattan, Kan.
- WCBC, Ann Arbor, Mich.
- WDAY, Fargo, N. D.
- WJAX, Cleveland, Ohio.
- WKY, Oklahoma City Okla.
- WCAL, Northfield, Minn.
- KGU, Honolulu, Hawaii.
- WKAR, East Lansing, Mich.
- WNAD, Norman, Okla.
- KGO, Oakland, Cal.
- KFNF, Shenandoah, Iowa.
- WGN, Chicago, Ill.
- KFKB, Milford, Kan.
- CKY, Winnipeg, Manitoba, Can.
- KLX, Oakland, Cal.
- WGAZ, South Bend, Ind.
- WOQ, Kansas City, Mo.
- WBZ, Springfield, Mass.
- WHK, Cleveland, Ohio.
- CFOA, Toronto, Ont., Canada.
- WBAP, Fort Worth, Texas.
- WFAA, Dallas, Texas.
- WRR, Dallas, Texas.
- KPAT, Dallas, Texas.
- WDAO, Dallas, Texas.

If set works fine on one locality and not in another, change the ground, or use a multiple connection.

It does not require a technical education to operate a receiving set. A little patience and practice are all that is required.

HOOVER CUP IS AWARDED TO MINNEAPOLIS OPERATOR

Washington, D. C.—The Hoover cup has this year been awarded to Donald C. Wallace of Minneapolis, Minn., operator of amateur Station 9ZT. The award known as the "Department of Commerce Cup" is presented annually by Herbert Hoover to the owner of the best all-around amateur station, home designed and constructed. Since the passing of amateur Station 9ZN at Chicago, formerly operated by R. H. G. Mathews, manager of the Central Division, 9ZT has been recognized by amateurs both east and west of the Mississippi as one of the most reliable relay stations for handling code traffic destined across the continent. The "hub of amateur radio" in this country is centered in Chicago and Minneapolis.

HOOVER OPPOSES TAX.

Washington.—Secretary Herbert C. Hoover is "sorry to see" any tax

on the radio industry, as proposed in Congress. The Commerce Secretary said he was opposed to a tax on any new industry.

Genuine Radiotron Tubes

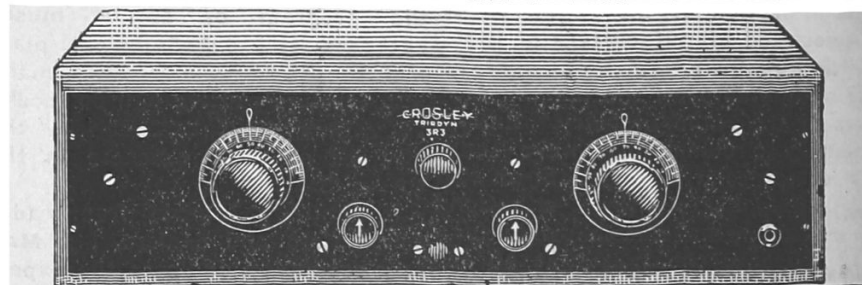
WD-11	.....	\$5.00
WD-12	.....	5.00
UV-199	.....	5.00
UV-200	.....	5.00
UV-201-A	.....	5.00
UV-202	.....	5.00

We carry a large stock of tubes at all times and will make prompt shipment of any of the above upon receipt of remittance to cover. We also are distributors of radio apparatus made by

The Crosley Radio Corporation.

THE JOHNSON ELECTRIC SUPPLY CO.

232 East Fifth St., 331 Main St.
Dept. A. CINCINNATI, OHIO.



CROSLLEY TRIRDYN

\$65

YOU have heard whispers about a wonderful new Crosley receiver. Here it is. Successfully combines Tuned Radio Frequency Amplification, Armstrong Regeneration, Reflex and an additional stage of Audio Amplification. Uses only three dry or storage battery tubes. Gives 5 tube volume. Only two dials to log. Non-radiating. Ultra sensitive. Most selective and best

receiver on the market at any price. Uses indoor or outdoor antennae. Coast to coast loud speaker reception through local stations in all parts of the U. S. A. We dare you hard-boiled radio fans to beg, borrow or buy a TRIRDYN for your biggest radio thrill. "Better—Costs Less."

Licensed under Armstrong U. S. Patent 1,113,149

THE CROSLLEY RADIO CORPORATION
Powel Crosley, Jr., President
CINCINNATI

Above is a reproduction of a two column newspaper advertisement, mats of which will be furnished free to Crosley dealers and jobbers. Publication of this advertisement in your local newspapers over your name will greatly increase the sale of the popular Trirdyn radio receiver. Write immediately for your mats, addressing your communications to the Advertising Department of The Crosley Radio Corporation.

Method of Learning Distance At Sea Described By Lewis

Specially Designed Radio Transmitter Assists In Determining Number of Miles Between Points.

A new method of determining distances at sea was described by George Lewis, assistant to Powel Crosley, Jr., in a talk before the Ohio Academy of Science at Columbus. Mr. Lewis was a Lieutenant in the United States Navy and holds the first license issued to radio operators. For several years he had charge of experimental work for the Navy.

"A specially designed radio transmitter sends out a series of dots, one second apart, which, used in connection with the sound of a bell through the water, enables the observers on a ship automatically to determine their distance from a given object, such as a ship or shore," Mr. Lewis said. "A half mile through the water is covered in one second by the submarine bell signal.

"The radio signal, used in connection with the submarine signal, is almost instantaneous in its travels. The combination of the submarine and radio signals enables the ship officers to determine accurately the position of the vessel for example, with regard to a lighthouse. A pair of earphones is used by the radio operator on the ship, one phone connected to the radio transmitter and the other to the submarine signal receiving set, so that it is possible for the operator to listen for the signals sent from the lighthouse and thus determine the position.

"Each radio dot heard by the operator means a half mile between the ship and the lighthouse and it is only necessary to count the number of dots he hears before the arrival of the submarine signal, then the distance is known.

"Some fifty years ago the great British physicist, John Tyndall, concluded his masterly report on Fog-signals as follows:

"With the instruments now at our disposal wisely established along our coast I venture to think that the saving of property, in ten years, will be an exceedingly large multiple of the outlay necessary for the establishment of such signals. The saving of life appeals to the higher motives of humanity."

"The practicability of this system was proven to be successful on the day before Christmas, 1916, and thus the Navy Department gave to the nation as a Christmas present a scientific discovery designed to save life and property."

CROSLY

51

\$18.50



BETTER - - - COSTS LESS

The Crosley Model 51 is the biggest selling radio receiver in the world, having become such within 24 days after it was announced. Never before has a radio receiving set met such tremendous and immediate approval. Thousands of them have been sold and each is giving wonderful service.

This new receiver is a two tube, long range regenerative set, consisting of tuner, detector and one stage of audio frequency amplification, manufactured under Armstrong U. S. Patent No. 1,113,149. It gives loud speaker volume at all times on nearby broadcasting stations, and operates a loud speaker on far away stations under fair atmospheric conditions. 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.

It incorporates a tuning element made famous in the Crosley Type V, the \$16 set used by Leonard Weeks of Minot, N. D., in his consistent handling of traffic with the MacMillan Expedition at the

North Pole, a genuine Armstrong regenerative tuning and detector circuit. To this has been added one stage of audio frequency amplification, with the well-known Crosley Sheltran 9 to 1 ratio transformer, giving an unusual volume. Thus this set uses two vacuum tubes.

It is the ideal all-around receiver. For local and nearby broadcasting stations, it will operate a loud speaker, giving phonograph volume in the home. Under reasonably good receiving conditions, it will bring in stations up to 1,000 miles, with sufficient volume for the average size room. When receiving conditions are bad, however, headphones should be used on distant stations.

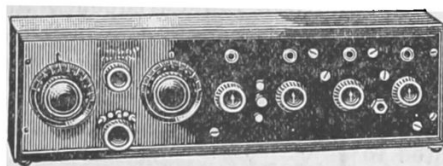
The Model 51 is unusually selective—it incorporates standard sockets so that all makes of tubes can be used. The various units are mounted on beautifully engraved grained panels inside of a hardwood mahogany finished cabinet, which completely encloses all parts and tubes.

A glance at this beautiful instrument sells it, and the results it gives creates many friends for it. Perhaps the most startling thing of all is its price—\$18.50.

OTHER WONDERFUL SETS

SUPER XJ \$65.00

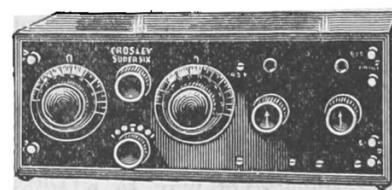
SUPER SIX \$29.00



The new Crosley Super XJ is a four tube radio receiver incorporating Armstrong Regenerative and Miner features. This circuit has been pronounced by leading authorities throughout the country as the most efficient of the latest radio developments, enabling perfect regeneration, control of tuned radio frequency amplification with minimum reradiation and increased range, volume and selectivity. There are two stages of audio frequency amplification, which permit the operation of a loud speaker when receiving nearby as well as far-away broadcasting stations.

Manufactured under Armstrong U. S. Patent No. 1,113,149 and R. S. Miner Patent pending.

Still other popular Crosley radio receivers include the Model XJ, four tube set, which costs but \$55.00; the Type V, one tube regenerative set, \$16.00; the Model VI, two tube set, \$24.00; the Type 3B, three tube regenerative set, \$42.00; the Model XL, a four tube set in a beautiful console cabinet with loud speaker, \$120.00; the Type 3C, three tube regenerative set in console cabinet, \$110.00. Also the Crosley two stage audio frequency amplifier for \$18.00.



The Crosley Super Six is a new two tube radio receiver combining Armstrong Regenerative and Miner features. Perfect regeneration, control of tuned radio frequency amplification with minimum reradiation, and increased range, volume and selectivity are provided in the new Super Six. Distant broadcasting stations are being heard regularly by owners of this new set, voice and music coming in with exceptional clearness. Operation of a loud speaker is possible with the Super Six, but when perfect loud speaker reception is desired we recommend use of the Crosley Two Stage Amplifier.

Manufactured under Armstrong U. S. Patent No. 1,113,149 and R. S. Miner Patents pending.

THE CROSLY RADIO CORPORATION

200 ALFRED STREET

POWEL CROSLY, JR., President

CINCINNATI, O.

For Radio Dealers



The picture above is that of J. D. Palmerlee, of Armada, Michigan, who has been appointed factory representative of the Crosley Radio Corporation in Michigan and northern Indiana. Mr. Palmerlee will open offices in Detroit and will be in a position to assist all Crosley distributors and dealers in the above mentioned territory.

Stephen Gilchrist, radio editor of the Chicago Tribune, writes as follows:

"Looking over the field of radio from its various angles, one cannot help finding a decided trend toward betterment. Just when it seemed that chaos, from the standpoint of reception, was only a few strides ahead, events sidle in with promises of more orderly progress on all sides.

"These aspects are so many and varied that it might not be amiss to point out the most important in the light of their present and promised improvement.

"1. Reception—Improving decidedly.

"2. Radiation—Still near peak, but movement toward virtual disappearance under way.

"3. Transmission—Never better, and improving steadily.

"4. Trade situation—Improving from both the dealers' and the public's standpoint, with more orderly processes entering into output and marketing of radio merchandise.

"5. Intereference—On way to a control that will be as absolute as possible.

"6. Amateur—Never in a more orderly and considerate shape. In fact, as the broadcast listeners learn more and more that induction often has burst upon them in the guise—to their understanding—of code, they are beginning to find the amateur class very fair minded.

"7. Summer outlook—Splendid when viewed from all sides. The static bugaboo has had its day and is being relegated to the discard."

In a talk given before the sales forces of The Milnor Electric Company, Cincinnati, Walter W. Boes, Factory Representative of The Crosley Radio Corporation, explained the operation of all the sets, their efficiency, which is due to careful component engineering and construction, and the manner in which these splendid values should

"Freedom Of Air" Won By Broadcasters In Copyright Suit

(Continued from Page 1)

casters is collecting a large amount of excellent music, which is not copyrighted and from which our songs will be selected."

The decision of Judge Hickenlooper was one of the most important ones ever handed down in which the radio industry was affected, and it will have a tremendous bearing upon the development of broadcasting as it literally makes the air free for radio. In other words, it gives to radio broadcasting stations the right to play all music, no matter whether it is copyrighted or not, without their being compelled to pay a special tax to the American Society of Composers, Authors and Publishers, of which the plaintiff, in this case, is a member.

The Crosley Radio Corporation was represented by Allen and Allen, well-known patent attorneys, whose sole contention during the court proceedings was that the broadcasting of a song was not a public performance for profit. They admitted the defendant corporation had played copyrighted music as charged in the suit, but contended such action was not in violation of any law. They pointed out the fact that the copyright law, so far as music is concerned, permits those holding the copyright to place a special tax on their compositions providing those who play it do so publicly for profit, but that it does not permit the levying of any tax on those who play the music without profit to themselves.

The campaign against broadcast-
be offered to the radio buying public.

Considerable time was devoted to the Model 51. Many of those present commented particularly on the volume secured on this little set which has become a leader almost overnight. Practically every salesman had exceeded his quota on this one set and has reset his own goal.

The Trirdyn came in for a long discussion with the unanimous opinion that this set was the real surprise of the year in radio. Many of the salesmen openly stated they could not very well try to sell competitive makes of five or more tubes at prices two and three times higher than the Trirdyn especially when the Trirdyn not only eliminated local stations but provided the logging feature which made the set all that could be desired. Every salesman had tried one of the sets at home and spoke highly of its operation with both storage battery and dry cell tubes.

"Surely," they said, "Crosley will never bring out a better radio set than the Trirdyn."

ing stations was started by certain members of the American Society of Song Writers, Authors and Publishers about two years ago. They began by notifying the studio directors that they could not play certain music unless they announced before each selection that it was being played by permission of the Society. There was no objection to this on the part of the broadcasters, and the wishes of the Society were complied with. Some time later, however, the Society notified all broadcasting stations that they must pay a special tax to the Society before they could play copyrighted music. There were a number of station owners who agreed to the request of the Society and paid this tax, but there were others, including The Crosley Radio Corporation, who contended the imposition of this tax was unconstitutional and refused to pay it.

A large amount of music was being published by independent music houses, and distributed among the radio stations by the National Association of Broadcasters, and from this the radio stations selected their songs. The task of eliminating all copyrighted music, however, was a fairly large one, and due to an error a copyrighted selection was played from WLW. This happened to be a song published by the Remick Company, and so that organization filed the suit, which Judge Hickenlooper has just dismissed.

In his decision, Judge Hickenlooper stated:

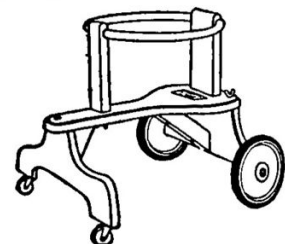
"We simply feel that the rendition of a copyrighted piece of music in the studio of a broadcasting station, where the public is not admitted and cannot come, but where the sound waves are converted into radio frequency waves and thus transmitted over thousands of miles of space, to be at last recon-

verted into sound waves in the homes of the owners of receiving sets, is no more a public performance in the studio, within the intent of Congress, than the perforated music roll which enables the reproduction of copyrighted music, by one without musical education, is a copy of such music.

"A private performance for profit is not within the act, nor is a public performance not for profit. All contemplate an audience which may hear the rendition itself through the transmission of sound waves, and not merely a reproduction of the sound by means of mechanical device and electromagnetic waves in ether. A parody upon the singing of a copyrighted song has been held not to infringe the copyright (Bloom & Hamlin v. Nixon, 125 Fed. 977). And by much the same token we think that the rendition of a song in the seclusion of a broadcasting studio and its subsequent reproduction by a radio receiving set, where the auditors are scattered over a vast territory, is not a public performance within the intent of Congress in enacting the Copyright Law. The auditor listening in at Indianapolis, Cleveland or Chicago, would be surprised to learn that he had, that evening, attended a public performance in Cincinnati. This illustrates the incongruity of such a holding."

If the decision of Judge Hickenlooper holds, it will obviate part of the present Dill bill, now in Congress, which would permit public performances of copyrighted music.

The Go-bi-bi



No longer does Daddy carry the infant about in his arms while mother prepares supper. Little brother and sister do not have to sacrifice their play hours to take care of the baby. And Mother—look at Mother, just as carefree as the children. All because the Tiny Tot in this home is learning to walk by means of the GO-BI-BI and needs little attention from anyone. On the contrary he is keeping the rest of the family entertained.

"My wife and I are 'tickled to pieces' over the GO-BI-BI we have for our ten months' old girl. It is just like a one ring circus to watch her." (Signed) Gordon B. Small, Springfield, Mass.

Every dealer in baby things or children's vehicles should stock the GO-BI-BI, and help to make healthy babies and happy homes in !. community. Nothing like it for making satisfied customers.

CROSLEY MFG. COMPANY
1632 Vandalla St. Cincinnati, O.

We broadcast daily at
10:30 a. m. and 1:30 p. m.

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April 3, 1924.

Mr. Powell Crosley, Jr.,
c/o Crosley Radio Corporation,
Cincinnati, Ohio.

Dear Mr. Crosley:

You will be interested to know that in operating the Trirdyn last night in our office in the Loop, and within one block of KYW Broadcasting Station, we brought in Davenport on a loud speaker without using any aerial or ground and without any interference from either KYW, WDAP or WGN, the other local broadcasting stations.

Yours very truly,

C. S. TAY SALES CO.

C. S. Tay

CST:PF

KYW TUNED OUT**BY CHICAGO MAN
OPERATING A**~~CROSLY~~**TRIRDYN
WITHOUT AN AERIAL**

LOCAL stations easily are tuned out by operators of the Crosley Trirdyn 3R3, that \$65.00 three tube radio receiver which has become so tremendously popular since its announcement a few weeks ago. The letter reproduced above is but one of the hundreds we have on file that prove owners of the Trirdyn may tune-in far away stations while local ones are broadcasting.

Just pause a moment and consider the statements of Mr. Tay, who is one of the most widely known radio distributors in the middle west. In his office in the loop, where electrical interferences are so terrible, and within one block of the powerful KYW radio station, Mr. Tay tunes out that station and brings in Davenport on a loud speaker. But that is not all, as his letter proves. Mr. Tay was using neither aerial nor ground. And KYW was not the only Chicago station in the air. WDAP and WGN, two other very powerful stations, were broadcasting.

It has been noted that the great demand now is for radio receiving sets that are able to cut through local stations while they are in operation. This demand certainly is met by the Trirdyn. Dealers need but demonstrate the set and it is sold.

The Trirdyn has the following attractive features: Tuned Radio Frequency Amplification, Regenerative Detector reflexed back on the first tube, and an additional stage of Audio Frequency Amplification. The combination of these things gives it the effect of at least five tubes, although there are but three.

The opinion of every one who heard these sets in operation is that they will perform in every way, as to volume and

selectivity, with any five tube receiving set, and the quality is better.

This receiving set is non-radiating (or non-reradiating, as it is sometimes called) so that it causes no interference in a neighborhood in which it may be used. It is controlled by means of only two dials, which can be perfectly and accurately calibrated, and being only two such dials, enables ease in picking up new stations without calibration.

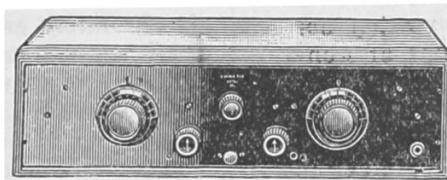
The Trirdyn is equipped with two rheostats, one controlling the detector, which can be set accurately on reception of the first station. The other rheostat controls both amplification tubes, and can also be set for volume and clarity at the same time that the detector rheostat is adjusted, after which no further change need be made in the rheostat adjustment, excepting for change in A Battery voltage.

This slide tickler regenerative control can also be set and is used only occasionally during the operating period for adjustment of volume, so that the control of this set is actually "boiled down" to two dials.

A selector coil is provided on the receiver to be used sometimes during local interference in connection with some types of antennae, in order to provide greater selectivity.

This is, we believe, the ideal receiver. West Coast broadcasting is, of course, copied regularly in Cincinnati on this instrument. It can be used satisfactorily with a very small indoor antenna, which provides loud speaker volume even on long distance stations.

The Trirdyn, or 3R3, gets its name from the combination of radio frequency, regeneration and reflex and also the fact that the set uses only three tubes.

**THE TRIRDYN****PRICE, WITHOUT TUBES, BATTERIES OR PHONES----\$65.00****BETTER - - - COSTS LESS****THE CROSLY RADIO CORPORATION**

POWEL CROSLY, JR., President

CINCINNATI, OHIO

200 ALFRED STREET

Text Of Radio Music Decision

(Continued from Page 1)

Card Company in Cincinnati; other examples are those stations maintained by newspapers at various points.

The complainant is the owner of the copyrighted song entitled "Dreamy Melody". On or about October 22, 1923, between the hours of 9 and 10 P. M., the defendant is alleged to have caused the rendition of this composition, "Dreamy Melody", by means of singing and an orchestra, to be broadcast from its station in the city of Cincinnati. This act is alleged to have been a public performance for profit of the copyrighted musical composition, and the present action is to enjoin similar broadcasting of complainant's composition and to recover damages and profits under the Copyright Act.

As was said in the case of *White-Smith Music Co. v. Apollo Co.*, 209 U. S. 1, 15: "In the last analysis this case turns upon the construction of a statute, for it is perfectly well-settled that the protection given to copyrights in this country is wholly statutory." By the Act of March 4, 1909, c. 320, § 1, 35 Stat. 1075 (U. S. Comp. Stat. 9517), any person entitled thereto, upon compliance with the provisions of the Copyright Act, is given the exclusive right "to perform the copyrighted work publicly for profit if it be a musical composition and for the purpose of public performance for profit." By the same act, as amended August 24, 1912 (37 Stat. 489; U. S. Comp. Stat. (1918) 9546), an infringer is made liable to an injunction restraining such infringement, and to pay to the copyright proprietor such damages as the copyright proprietor may have suffered due to infringement, as well as all the profits which the infringer shall have made from such infringement, or, we assume in the absence of proof of profit or damages, arbitrary fixed damages, but not less than \$250. This minimum is claimed in the instant case.

Plaintiff's rights being entirely dependent upon the statute, and the recovery sought being an arbitrary penal sum not in any sense dependent upon proof of actual profits or damages to an equivalent amount, we are inclined to the opinion that the statute should be subjected to strict construction, notwithstanding the provision of the section covering infringement that such arbitrary minimum recovery "shall not be regarded as a penalty." As to the earlier form of this section, wherein it was provided, as in the present form, that the infringer should pay one dollar for every infringing copy of the works enumerated in section 5 of the act, it has been repeatedly held by the Supreme Court that lit-

igants are bound by the language of the act, and that the infringing copies must be found in the actual possession of the defendant. See *Bolles v. Outing Co.*, 175 U. S. 262, 268; approved, *Werckmeister v. American Tobacco Co.*, 207 U. S. 375, 382. This is but the equivalent of holding that, in order to justify recovery, the complainant must bring himself within the natural, and not a forced, construction of the act, and within the clear intent, and purpose of the Copyright Act.

The same rule of construction is illustrated by the case of *White-Smith Co. v. Apollo Co.*, supra, in which it was held that a perforated player-piano roll was not a copy of a musical composition within the protection of the Copyright Act. While these statutes "should be given a fair and reasonable construction", with a view to protecting the author in such manner that he may have the benefit of the property right conferred for a limited term of years (*American Tobacco Co. v. Werckmeister*, 207 U. S. 284, 291), it is clear that this protection should not be extended beyond the express language of the statute, nor a property right created which was clearly not within the mind of Congress when the act was passed.

And in determining this intent of Congress, as expressed in the act, it is the duty of the courts to read the enactment "according to the natural import of the words used"; and if the language used by Congress is unambiguous, there is no room for construction, nor can we speculate as to what Congress might have done, or might have intended, had the matter been specifically brought to its attention. As expressed by Mr. Sutherland in his work on Statutory Construction, "There can be no intent of a statute not expressed in its words." 2 *Lewis' Sutherland Statutory Construction* (2nd Ed.) 745. See also *Treat v. White*, 181 U. S. 264, 267; *Dewey v. Untied States*, 178 U. S. 510, 521.

The unwillingness of the courts to extend the language of the act beyond its express provisions is further exemplified by the case of *Thompson v. Hubbard*, 131 U. S. 123, 151, in which case it is held that the failure to print notice of copyright prevents any right of action for infringement from coming into existence, even as against him who originally secured such copyright. Here the court says: "This right of action, as well as the copyright itself, is wholly statutory, and the means of securing any right of action in Hubbard are only those prescribed by Congress."

The question therefore resolves itself into a determination whether the broadcasting of a rendition of complainant's musical composition was a performance of it publicly for profit in the common, ordinary and reasonable acceptance of this phrase. We are familiar with the holding of the United States Dis-

trict Court for the District of New Jersey in the case of *M. Witmark & Sons v. L. Bamberger & Co.*, 291 Fed. 776, in which the court concluded that the rendition of a song for broadcasting purposes was a public performance of the musical composition, and that such performance was unquestionably for profit within the decision of *Herbert v. Shanley Co.*, 242 U. S. 591. While, considered seriatim, this opinion might be said to arrive at a logical conclusion, viz., that the singing was a performance, that it was public in the sense that those could listen who cared to and were equipped with receiving instruments, and that it was for profit because of its advertising value, and therefore every element of a public performance for profit had been disclosed, we have been unable to bring ourselves to the conclusion that such broadcasting was within what Congress had in mind when using the language "perform publicly for profit."

Funk & Wagnalls Standard Dictionary (1911) defines a performance: "(2) Specifically, a representation on the stage or before an audience or spectators; an exhibition of feats; any entertainment at a place amusement; as two performances daily." While not found in other standard dictionaries, it is just this idea which we think Congress had in mind in passing the enactment in its present form. In order to constitute a public performance in the sense in which we think Congress intended the words, it is absolutely essential that there be an assemblage of persons—an audience congregated for the purpose of hearing that which transpires at the place of amusement. This is in nowise contrary to the case of *Herbert v. Shanley Co.* (supra) for there was there such audience congregated in a popular restaurant in New York, and it could make little difference whether the patrons paid for their entertainment in the form of an admission fee, a cover charge, or as an addition to the menu prices. Nor is our opinion in conflict with the case of *Kalem Co. v. Harper Bros.*, 222 U. S. 55, which simply holds that a copyrighted work may be infringed by dramatization through the use of moving pictures. "We simply feel that the rendition of a copyrighted piece of music in the studio of a broadcasting station, where the public is not admitted and cannot come, but where the sound waves are converted into radio frequency waves and thus transmitted over thousands of miles of space, to be at last reconverted into sound waves in the homes of the owners of receiving sets, is no more a public performance in the studio, within the intent of Congress, than the perforated music roll which enables the reproduction of copyrighted music, by one without musical education, is a copy of such music. A private performance for profit is

not within the act, nor is a public performance not for profit. All contemplate an audience which may hear the rendition itself through the transmission of sound waves, and not merely a reproduction of the sound by means of mechanical device and electro-magnetic waves in ether. A parody upon the singing of a copyrighted song has been held not to infringe the copyright (*Bloom & Hamlin v. Nixon* 125 Fed. 977). And by much the same token we think that the rendition of a song in the seclusion of a broadcasting studio and its subsequent reproduction by a radio receiving set, where the auditors are scattered over a vast territory, is not a public performance within the intentment of Congress in enacting the Copyright Law. The auditor listening in at Indianapolis, Cleveland or Chicago, would be surprised to learn that he had, that evening, attended a public performance in Cincinnati. This illustrates the incongruity of such a holding. "The purpose of the amendment evidently was to put musical compositions on the footing of dramatic compositions so as to prohibit their public performance." *White-Smith Music Co. v. Apollo Co.* (supra). And the close association in the Act of provisions relating to the drama and to public performance of musical compositions would seem to demonstrate conclusively that Congress had in mind a place of such performance to which the public was admitted for the entertainment there of the senses; a congregating together for this purpose and the payment, in one way or another, of compensation for the entertainment provided. This would seem to be the whole extent of the exclusive privilege or property right granted, and the effect of the act should not be extended beyond such clear and unambiguous import of the words used.

The motion to dismiss must, therefore, in our opinion, be granted.

Appearances:

Allen & Allen, for the motion;
John W. Weinig and
Peck, Shaffer & Williams, contra.

When using battery chargers of the nonself-polarizing type, it is absolutely necessary to connect the positive terminal to the charger to terminal of the battery.

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AND WLW PROGRAMS

PUBLISHED BY THE CROSLY RADIO CORPORATION, FORMERLY THE PRECISION EQUIPMENT COMPANY AND CROSLY MANUFACTURING COMPANY, Manufacturers of Radio Apparatus, Cincinnati, Ohio.

VOL. III, NO. XX.

PRICE \$1.00 A YEAR. FIVE CENTS PER COPY ON NEWS STANDS.

MAY 19, 1924

Radio Will Play An Important Part In Presidential Race

Aspirants To Nation's Highest Office to Present Views to Millions of Listeners.

Whether or not "radio elects the next President," as some enthusiasts have prophesied, it will play a tremendously important part in the Presidential campaign this year.

For the first time in history, radio will afford an opportunity for Presidential candidates to discuss and present their view to literally millions of persons as compared with the thousands they have been able to reach in previous campaigns.

But even more important than this will be the opportunity which radio will afford to citizens throughout the country, not only to hear the speeches of the candidates, and to learn at first hand the views of statesmen, but also to enjoy the thrills of the big party conventions. Both the Republican National Convention in Cleveland, and the Democratic National Convention in New York will be broadcast.

All the public proceedings leading up to the selection of candidates, the nominating speeches, the doings of notables on the floor of the convention, and other picturesque, human interest aspects of the proceedings will be winged through the air to millions of listeners.

Such service will be welcome everywhere, but it will be doubly so in country districts which do not have access to the hourly editions of city newspapers. The radio reports will be broadcast to the farthest corners of the land. Broadcasting stations will be tied by land lines with the most powerful broadcasting stations in the country. No person in the United States need miss the thrill and education which will come from listening to these great conventions.

Presidential campaigns are one of the most appealing and human of American political institutions. The great political battles of the past have stirred the nation, developed leaders, and made history. The intensity of the struggles makes them live vividly in memory. Men date their recollections by important political campaigns.

Following the conventions, this year, it is likely that the candidates of both parties, instead of making the traditional "swing around the

(Continued on Page 6)

NOTICE

The word "SUPERDYNE" must not be used in connection with the Super X-J receiving set.

While we are licensed under the patent application of R. S. Miner, this license does not carry with it any right for us, our distributors, dealers or other people to use the trade name "SUPERDYNE" in connection with receiving sets manufactured by us.

The name "SUPERDYNE" is the exclusive trade mark of The C. D. Tuska Company, registered in the U. S. Patent Office, No. 1,112,174, April 3, 1924. An infringement will be prosecuted by that company.

Conservatory Scholarship To Be Awarded To Radio Contest Winners

The Cincinnati Conservatory of Music has outlined a plan which will be carried out at WLW for the awarding of scholarships by radio. On Wednesday evening, May the 21st, at 7:30 o'clock, the first program in this connection will be given.

On that night 15 or 20 familiar songs or pieces will be sung or played from WLW. They will be numbered, and the radio fans will be asked to list the names of the songs, the composers and their nationality, and send the answers to the Cincinnati Conservatory of Music.

This program will be repeated one week later, at the same time, to make sure that all those listening in have an opportunity to hear the whole list.

FOURTEEN NEW CLASS B RADIO STATIONS PLANNED.

Plans are afoot for the erection of at least fourteen new Class B broadcasting stations, and seven are already under construction, according to the Department of Commerce. To date, there are 49 of these high-class and high-powered stations, but with the development of the art, more powerful stations have come into vogue and as a result more stations are anticipated in New York, Chicago, New Orleans, Denver, Hartford, Houston, Hot Springs, Fort Bragg, N. C., and Berrin Springs, Mich.

Although seven stations are known to be under construction, the Department has not yet issued licenses and will not announce the names of the prospective owners.

The Chicago Herald-Examiner with Sears-Roebuck Company, will share a new B Station which will operate on 345 meters, splitting time on sharing this wave length

with WGBD at Zion City. The Daily News station WMAQ will operate on 448 meters, dividing time with the Rainbow Gardens. The Calumet Baking Powder Company is planning a new station now under construction, but no call has been announced yet.

On April 1st, there were 569 broadcasters in operation, two new class A stations having been licensed during the last week in March, while eleven stations ceased operation during the month.

RAISON D'ETRE.

"I hear you have a record-breaking salesman here whom you would gladly dispose of."

"Sure."

"How come?"

"He works in the phonograph department."

A file is the best tool with which to clean a pipe of paint, gilt and corroded surface.

WLW To Broadcast Operas From Zoo On Monday Nights

Another Step Taken By Crosley Corporation to Entertain Listeners During Summer.

Once again Summer broadcasting is to be enhanced by melodious operas from the Zoo. Crosley Radio, WLW, has definitely arranged with the management of Cincinnati's famous play ground to set forth, every Monday evening of the opera season, a complete production. Mr. Ralph Lyford, managing director of these Summer Operas, promises a most brilliant season wherein the standards of the company will even excel those of the most satisfying efforts of the past.

The repertoire will contain two of Puccini's most popular operas, not hitherto given in these seasons, and but few works presented during the past season. Donizetti's sparkling comedy, "The Elixir of Love," will be presented for the first time, while among the revivals of old time favorites will be "Martha," "Manon," "Barber of Seville," "Rigoletto," "Mefistofeles," and "Lohengrin."

Among the principal artists already engaged are: Edith de Lys, dramatic soprano; Josephine Luchese, coloratura soprano; Stella DeMette, mezzo-soprano; Anita Klinova, mezzo-soprano; Rogelio Baldrich, lyric tenor; Ludovico Tomarcho, dramatic tenor; Mario Valle, baritone; Millo Picco, baritone; Italo Picchi, basso; Natale Cervi, basso-buffo. Add to these a perfectly trained chorus, an orchestra of forty-five picked men from the Cincinnati Symphony Orchestra, and there presents itself an ensemble certain to gratify the most exacting of music lovers.

No doubt many radio listeners will make it a point to visit in person the Gardens from which the operas are given. Here they will find many attractions other than the operas. Added enjoyment will be found by patrons of the opera at the Zoological Gardens by coming out early in the afternoon and viewing the beautiful park and wonderful animal collection, and then having dinner at the attractive Club House. In fact, it is possible to enjoy the dinner and the opera at the same time, as the beautiful verandas of the Zoo Club House are practically a part of the Opera Pa-

(Continued on Page 6)

Crosley WLW Programs For Week of May 18th

SUNDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 18th. Eastern Standard Time.
309 Meters.

9:30 A. M.—
School 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.
7:30 P. M.—
Church Service of First Presbyterian Church of Walnut Hills. Rev. Fred. K. McMillan, Minister.
8:15 P. M.—
Concert by the Western and Southern Orchestra, directed by William Kopp, (Under the auspices of the Welfare Association of the Western and Southern Life Insurance Co.)

MONDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 19th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Babson Reports.
5:15 P. M.—Baseball Results.
8:00 P. M.—
Band Concert given by the St. Joseph of Nazareth Boys' Band.
1. Overture "Bouquet."
2. Serenade "The Troubadour."
3. Cornet Solo by William Leinhardt.
4. March "Cannonade."
5. Baritone Solo by Joseph Allman.
6. Sacred Melodies.
Finale: Star Spangled Banner.
8:30 P. M.—
The College of Music of Cincinnati presents a Recital of Original Compositions by students from the classes of Sidney C. Durst.
String Quartet:
(a) Binuet Arthur Knecht
(b) Andante Milton Dockweiler
Uberto Neely, first violin; Karl Payne, second violin; Milton Dockweiler, viola, and Arthur Knecht, cello.
Songs:
(a) "A Summer Night" Lorie King
(b) "At Apple Blossom Time" Lorie King
Mary Swainey, Soprano
String Quartet in G Minor Constance Cochnower
1. Andante espressivo
2. Finale (Fugue)
Songs:
(a) By the Lake of the Woods C. Cochnower
(b) Laughing Song Mildred Rapp
Louise Wilby, Soprano.
Songs:
(a) "A Rose" Uberto Neely (obligato by composer)

(b) "A Valentine" Uberto Neely
Fenton Pugh, Tenor
9:30 P. M.—
Crosley Theatrical Review followed by popular program and entertainment by WOODY MEYER'S CINCINNATI ORCHESTRA
Ted Kennedy, violin and director
Ernst Meyer, drums and manager
Wm. Dinkel, piano
Earl Vetter, saxophone
Robert Seavers, saxophone
Rudolph Schneider, trombone
Cliff Yaeger, Trumpet
Wm. Rieth, banjo
Wm. Wilde, bass tuba and violin (Baldwin Piano)

TUESDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 20th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Topics of Interest to Women. Times-Star News. Second in a series of talks on "The Silver Black Fox" (The courtesy of the Great Northern Fox Company).
5:15 P. M.—Baseball Results.
10:00 P. M.—
Special Program arranged through the courtesy of the Kidwell Music Store, Covington, Kentucky.
The program will include vocal numbers and instrumental solos by Mr. Chris. Gottschalk, Mrs. Dora Stevenson, Miss Dorothy Kidwell, Mr. Ray Ruttle, and Master Freddie Morgan playing the Slide-whistle.
Completing this program Lloyd Kidwell's Music Master ten-piece Dance Orchestra will play a popular program.
Mr. Lloyd Kidwell will feature his own numbers on this program.
Midnight Program featuring the CHUBB-STEINBERG ORCHESTRA DE LUXE.
Art Hicks, Violin
Jack Saatkamp, Piano
William Cook, Saxophone and Clarinet
Holman Becraft, Saxophone
Rex Adkins, Trumpet
Frank Bamberger, Trombone
Leon Warren, Banjo
Bud Ebel, Drums
Ray Kleemeyer, Bass Tuba
Songs by Ellen Winkleman. (Baldwin Piano)

WEDNESDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 21st. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from

Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Concert for the "Shut-Ins" by the Wurlitzer Concert Company under the direction of Mr. and Mrs. William Dunning.
5:15 P. M.—Baseball Results.
7:30 Special broadcast of 15 familiar melodies as first program in contest for \$100 scholarship to be awarded by the Cincinnati Conservatory of Music.
8:00 P. M.—
Instrumental Trio from Richmond, Indiana.
1. "Hungarian Dance" No. 6 D major J. Brahms
"Petit Mari, Petit Femme" Gustave Saenger
Miss Mary Wray Jones, violin
Miss Mary Kathryn Gates, cello
Miss Mildred Schalk, piano
2. Piano Solo:
Preludes & Waltz Chopin
Miss Dorothy Abrien
3. "Un Giono in Venezia" Nevin
(a) Dawn
(b) Gondoliers
(c) Venetian Love Song
(d) Goodnight
Richmond Trio
4. Vocal Duets:
"To the Nightingale" Schumann
"Remembrance" Schumann
"Gondellied" Graben-Hoffman
Miss Carrie Schaefer,
Miss Russel Simmons
5. Piano Solo:
"Sentas Ballad" from (Flying Dutchman) Wagner
Miss Dorothy Obrien
6. Trios:
(a) "Spanish Dance" Moszkowski
(b) "My Lady Chlo" Clough-Leighter
(c) "Gavotte" L. van Beethoven
Richmond Trio.
7. Vocal Duet:
"A Night In Venice" L. Arditi
Miss Carrie Schaefer and Mrs. Russel Simmons
(with violin obligato)
Richmond Trio:
"Berceuse" Iljinsky
"Anitras Dance" Greig
"In the Woodland" Geo. N. Oeki-Albi
At the HO-DOWN with Jake Rutz and his PUMPKIN VINE ORCHESTRA.
(Baldwin Piano)

THURSDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 22nd. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Piano Solos by Miss Adelaide Apfel.
5:15 P. M.—Baseball Results.
10:00 P. M.—Times-Star Radio Club of the World.
10:10 P. M.—
Special program by the TRIRDYN TRIO
1. Sonate for violin & piano Faure
Miss Francis Bejach, pianist
William C. Stoess, violinist

2. Soprano solos:
(a) Dream Bartlett
(b) Up In a Swing Batten
(c) One Fine Day Puccini
Eleanore Walker Mackay
3. Piano Solos:
(a) Waltz from the Ballet (Giacconda) Delibes
(b) Triakontameron "Salon" Godowsky
Miss Francis Bejach
4. Violin Solos by William C. Stoess. Accompaniments by Miss Rosemary Ellerbrock.
5. Voice with (violin obligato)
(a) The Rosary
(b) Mighty Like a Rose
(c) Flora Bella "Waltz Song"
Eleanore Walker Mackay, soprano.
11:00 P. M.—
Popular program by DOHERTY'S MELODY BOYS
F. A. Pendergast, Piano
Ridge Bludin, Trumpet
Leo Bludin, Saxophone
Bake Holthaus, Drums
Harry Kennedy, Trombone
J. L. Doherty, Banjo and Manager
playing the latest of "hits" released by the National Association of Broadcasters.
A group of songs by Miss Mathilda Brooks, prize-winner of the first radio beauty contest.
(Baldwin Piano)

FRIDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 23rd. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson.
1:30 P. M.—Market Reports.
3:00 P. M.—Stock Quotations.
4:00 P. M.—Special Program. T. C. O'Donnell, Editor of Writers' Digest, lecture on "Practical Lessons in Writing."

SATURDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 24th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
1:30 P. M.—Market Reports.

DAILY PROGRAM

10:30 Weather Forecast.
A. M. Fifth-Third National Bank Bond Department Report; financial letter, call money rates, on Cincinnati and New York, Liberty Bond opening quotations, Foreign Exchange opening, Chicago opening grain quotations, Cincinnati and Chicago hog market reports, Westheimer and Company, opening quotations of New York Stock Exchange.
Weather Forecast repeated.
(Continued on Page 6)

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

970 KILOCYCLES, 309 METERS EASTERN STANDARD TIME CINCINNATI, OHIO.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.
11:00 A. 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.
7:30 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.
8:15 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	
	8 P. M. to 10 P. M.	10 P. M. to 12 P. M.	8 P. M. to 10 P. M.	10 P. M. to 12 P. M.		

Crosley Radio Weekly

Published by The Crosley Radio Corporation, formerly The Precision Equipment Company and Crosley Manufacturing Company, Manufacturers of Radio Apparatus Colerain and Alfred Streets, Cincinnati, Ohio.
 Telephone, West 7600
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 Robert F. Stayman
 Editor
 Alvin R. Plough
 Associate Editor

RADIO MUSIC

The views of Powel Crosley, Jr., president of The Crosley Radio Corporation, on the recent Federal Court decision in his favor in the suit brought against him in connection with the copyrighted music controversy, are set forth in the following statement issued by him:

"We are, of course, very much gratified, but not surprised, by the favorable decision of Judge Hickenlooper in the case brought against us in the name of Jerome H. Remick & Company, fostered by the American Society of Composers, Authors and Publishers. The Judge handed down a decision dismissing the suit, stating that nothing in the copyright act prevented our playing copyrighted music in our broadcasting station when the music was then transmitted into the air.

"The suit was brought against us for damages, amounting to \$250.00, for playing one of their compositions on October 22, 1923. Our attorneys, Allen and Allen, made a motion to dismiss the suit, stating there were no grounds for such an action, and the Judge sustained this motion.

"Notwithstanding the fact that the court decided we have a perfect right to play any music if we so desired, it is not our intention to play any of the music controlled by the American Society of Composers, Authors and Publishers.

"We feel, that instead of being compelled to pay a tax for the privilege of playing such music, we would be popularizing, advertising and increasing the revenue of the publishers of the music broadcast from our station—WLW.

"In view of the unfriendly attitude of the American Society of Composers, Authors and Publishers, we have no desire whatsoever to advertise their publications through our station.

"Experience during the past year has shown us that there is an ample supply of independently published music to satisfy the desires of the radio public. A year ago it was almost impossible for an independent publisher to put over a 'song hit.' The publisher did not, as a rule, have the money or machinery, or the artists, who were very largely

controlled by the Society, to put across successfully his song numbers, and there were comparatively few independent published numbers that had been heard often enough to have become popular. All this has been changed within the past year.

"Through the music release bureau of the National Association of Broadcasters—of which we are a member—many of the biggest song successes of the year have been 'put over' by means of our broadcasting stations and without the usual costly methods of popularizing such music.

"There are a number of independently published compositions, such as 'Dream Daddy,' 'Marcheta,' 'Somebody Stole My Gal,' and 'The One I Love Belongs to Somebody Else,' that have been unquestionably popularized by radio broadcasting stations.

"I firmly believe that a year from now, 90 per cent of the popular music will have been made so by means of radio broadcasting. So long as the American Society of Composers, Authors and Publishers maintain their unfriendly attitude and desire to levy tribute upon radio, we shall do nothing to assist in popularizing their numbers. Nevertheless, we feel we have a perfect right to broadcast any of their numbers at any time we desire."

APPROPRIATION FOR RADIO INCREASED BY SENATORS.

Appropriations for the administration of radio under the Department of Commerce, which were reduced by \$21,500 by the House of Representatives recently, have been re-established by the Senate Appropriations Committee at \$180,278 as originally approved by the Budget Bureau.

Following the reductions made by the House in the funds to be available for radio inspection, licensing and supervision for the coming fiscal year, Secretary Hoover appeared before the Senate Committee and voiced his opinion that the Departmental radio section absolutely needed the full amount allowed by the Budget. It is now believed that the amount O. K.'d by the Senate will finally be passed and that the Senate and House conferees will agree.

The increase desired by the Department is only enough to provide six additional field inspectors and a few clerks to insure the handling of the increased amount of work due to additional number of broadcasting and amateur stations, and more frequent inspection resulting from the growth of radio.

Sam—Mama, do cats go to Heaven?
 His Mother—Of course not.
 Sam—Well, where do angels get their harp strings?—Tiger.

Wierd and Pathetic Complaints Sent In By Radio Operators

Radio supervisors and inspectors hear many queer tales as to strange messages, sounds and calls emanating from somewhere within the boundless realms of radio land. Some complaints are weird, a few pathetic and still others almost convince one that there are "Ethereal Boogies." Radio is of itself more or less of a marvel and a mystery, with the rapid advancement of its range, manipulation and scope, and it is small wonder that certain susceptible fans and even operators long in the game, hear or imagine they hear curious and unaccountable messages verging on the supernatural.

There is the story of one old-timer who declared that he no longer needed headphones, his ears having become so tuned to the notes of code stations that he could pick up messages from almost anywhere.

Some of these complainants perhaps improperly classified as "bugs and nuts" of the ether, insist they are haunted by "Hertzian spooks," which, in certain cases, seem to approach from the spiritual angle and assume "radio control" of their victims. They not only exercise an undue influence but create actual fear in the hearts and minds of those persecuted. Certain students of the problem refuse to believe that it is all imagination, attributing the influence to something supernatural or at least a power not yet understood.

Of many cases reported to the Department of Commerce, in Washington, there is none as striking as the "Strange Case of Operator Blank," on which there is a thick file of papers.

Nearly four years ago a sea-going radio operator of twenty years experience reported to the supervisor of a coastal district that he was the object of radio persecutions in the form of radio telephonic messages which were transmitted to him continually by virtue

of wired-wireless when he was ashore. Three unprincipled, young operators, he, asserted, kept a surveillance over his every move, reading his thoughts, and at times "neutralizing" his brain action. These three persecutors relieved each other but kept up their vocal messages day and night, no matter where he was. Their sinister influence, he felt sure, was affecting his young daughter when she was near him, and practically broke up his home. He appealed to scientists, doctors, radio experts, the Government and police without benefit, as the source of the radio emanations could not be traced. They seemed to come from a coastal point. Even while on an automobile trip across the Continent and into Canada, the "phantom" radio-phone or photophone messages pursued him. The messages were transmitted on various frequencies and were impossible to ignore. Operator Blank believed the young men had invented an ultra-modern transmitting set of which no one knew the circuit. He said the boys told him it was a "wired wireless psychometer" effecting the transmission of speech by a "therapeutic oscillator," and received by "triplex plantomining attunement." He couldn't get away from the messages, and he was certain that the boys kept a log of his thoughts.

Later on, when he was again at sea, the messages pursued him, evidently through the medium of radio. In the Atlantic or Pacific the effect was the same and the operator came to believe that the "primary phonetic" effect kept his head aching continually; sometimes he was driven from his radio shack. He was certain his death could be caused by these boys if they desired. He again took up the matter of locating the station with authorities in New York, San Francisco and Washington, but not one was able to aid him nor locate the unknown station. Unofficial and unsigned messages continued to follow him causing interference with his regular traffic, his sleep and his mental stability. Investigation showed him to be in good physical and mental state, but although pronounced

(Continued on Page 4)

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.

Wierd and Pathetic Complaints Sent In By Radio Operators

(Continued from Page 3)

sound in his mind and body and only about 42 years old, he was literally driven from the sea and his profession.

Following up some of his suggestions, radio officials report that spiritualists have been affected in a similar way, and from New York come information that complaints of this character were increasing—in fact becoming quite common. Department of Commerce radio officials say that during the full of the moon complaints of weird and unnatural radio messages in the ether come in with a strange regularity. Even to date the Department and its field staff have not been able to solve the mystery of Operator Blank's persecution nor the source of his phone messages, he reported.

Other curious cases reported to the Department include the Western farmer, who, whenever plowing in a field near an asylum for the insane, declared that he was influenced and persecuted by voices which seemed to come from a queer box on the sill of a window in the institution. He came to Washington in an effort to rid himself of this "radio control." When he returned the box was no longer visible and it is understood he was bothered no further, though it was never wholly explained. From Philadelphia came a story of a woman who was constantly hearing radio voices, especially when riding on a train, although it was long before trains were equipped with receiving sets. Another woman out West recently wrote that waves from a certain radio station pass through her house and her person causing a most unpleasant effect; she said she could never sleep until the station closed for the night.

During the World War, complaints of this type and others attributed to German spies, codes, etc., came to the Department's supervisors in great numbers, some of them obviously from people with unsound minds, who sought to become radio sleuths and desired special transmitting licenses and stations. Such desires, however, were almost always in the interest of defending the Government, and differed from the case of Radio Operator Blank, and a few others whose radio troubles have never been solved.

(Copyright 1924 by Carl Butman)

CAUGHT AGAIN.

A man walked into a pawn broker's shop which had a sign "Jewelry for Sale" in the window.

"Is this a second-hand shop?" asked the man.

"Can't you see it's a second-hand shop?"

"Well, I want one for my watch."

For Radio Dealers

Radio dealers must take a big part in the campaign to educate the public to the advantages of summer reception. This may be done by emphasizing the following twelve reasons why this summer will be a wonderful one for listeners:

1. There will be a Democratic National Convention in New York and Republican National Convention in Cleveland during the month of June, the proceedings of both of which will be broadcast.

2. Presidential election will occur in November, and during the months of September and October it is obvious that campaign activities will be broadcast to a greater extent than heretofore.

3. There are many more Class "B" high-powered broadcasting stations in operation this year than last year, and reception during the hottest summer months will be considerably improved.

4. The new allocation of wave lengths, particularly among the higher powered stations, will insure better reception this summer than last summer with less interference from this cause.

5. Radio apparatus has been considerably improved over that offered for sale a year ago, which improvement will contribute, in no small measure, to a greater interest in Radio due to better reception this summer.

6. The sale of receiving sets has been increased continually since last summer and has reached unprecedented proportions during the last sixty days, and will continue during the next sixty or ninety days, obviously providing a vastly increased radio audience, which is in itself a sales factor of no small importance, as daily conversation between radio listeners and those not owning radio sets inspires the purchase of a receiver.

7. One of the most important factors would appear to be the reduced prices for apparatus of simple character, although of improved quality. A comparison of the prices of last summer and this summer would seem to warrant the opinion that radio apparatus can be more readily sold this year.

8. During the summertime many people, vacationing at the seashore or in the mountains, will find radio indispensable.

9. The cost of owning a radio receiving set that will satisfy the average American use was estimated last year to be \$150. The present cost shows an average 50 per cent reduction. The cost of vacuum tubes has just been reduced from \$6.50 to \$5, representing more than a 20 per cent reduction. New receiving sets now being brought on the market are of better quality than those available a year ago, and yet show a reduction in selling price of from 40 to 50 per cent. The

introduction of better and lower priced loud speakers has made radio more popular for dancing out of doors and for amusement on picnics, at camp or at the seashore.

10. The quality of the home receiving sets has not been impaired by the reduction of price. Improvements in vacuum tubes have been noted. Many of the set manufacturers report improvements in receiving sets. There have been improvements in headsets, and loud speakers, all of which when united in the complete set, have made radio in the home clearer and easier to receive over great distances during daylight as in the summertime—and vastly cheaper.

11. It is estimated that there are approximately 1,000,000 more receiving sets being used this year than were in use last year. Estimating that there are four people to the average American family there are 4,000,000 more boosters for radio in the United States this year.

12. More manufacturers are advertising in a big way through the general magazines to the public. Part of this space, if not a large portion of it, will be turned to the support of summer radio.

SHUT-INS APPRECIATE SUNDAY NIGHT RADIO CONCERTS

The hundreds of appreciative letters received by the Welfare Association of The Western and Southern Life Insurance Company, of Cincinnati, under whose auspices the Sunday evening symphony concerts are broadcast through the Crosley WLW station, show there is a nation-wide audience of shut-ins who desire the programs to be continued.

Plans are made for continuing these delightful symphonic programs under the direction of William Kopp, who, with his musicians, are members of the Cincinnati Symphony Orchestra. Soloists appear on these programs, which begin at 8:15 o'clock, Eastern Standard Time.

In order to become just a little better acquainted with the shut-ins, it has been suggested that every shut-in who listens to the Sunday evening concerts from the Crosley station, write a letter, which will be answered and filed away and at the holiday season or some other time, little greeting cards will be mailed to them. Any suggestions and requests for music are welcome.

HIS CIN-EMA

Poor Old Man: "Lady, could yer gimme a quarter to get where me family is?"

Kind Lady: "Certainly, my poor man, here's your quarter. Where is your family?"

P. O. M.: "At de movies."

—Fairbury Blade.

ANOTHER NEW WORD

Now and then a new word appears above the horizon of our everyday vocabulary that carries its own credentials of common sense, usefulness, and convenience. Such an one usually springs from new utilities or processes that meet with the world's favor. The ubiquitous radio is one of these, and a new word which it has occasioned first appeared in this paper. This new word—radiocast—requires no explanation or interpretation, and will, without doubt, in time, supersede the phrase "broadcast by radio," leaving the less distinctive word "broadcast" to return to the uses found for it long before the radio came. In this connection it is interesting to note that a common grammatical fault is made in the general use of the word "broadcast." No such word exists, the past tense of the verb being simply "broadcast." "Radiocast," also, is a verb whose present, past, and future tenses are identical.

FARMER HAS MILLIONS INVESTED IN RADIO RECEIVERS

Washington, D. C.—How many farmers in the United States have radio sets? What kind of sets do they use? Do they "roll their own," so to speak—that is do they make their own sets, or do they prefer the manufactured article to the homemade? How much money have they invested in their outfits? Do they use radio to get market reports? Do they find the market news of value?

All these questions and a number of others the bureau of agricultural economics of the United States department of agriculture undertook to answer through a survey that was made last year. When the returns were compiled the bureau had a basis for an estimate that there were 145,000 radio sets on farms on Sept. 1, 1923. Seven months have elapsed since that date and it is figured that the number has increased from 30 to 50 per cent in that time. It may have doubled, since the radio fad has been spreading at a rate approached only by a flu epidemic.

However, on the basis of the estimate at the time the survey was made the American farmer must have had something like \$20,000,000 invested in radios.

Of the farmers reporting 80 per cent said they used the radio regularly to receive weather forecasts and almost the same percentage used it regularly to get market reports. More than 97 per cent used it regularly for entertainment, which shows that an exceedingly small number find the radio neither profitable nor interesting.

Virginia Radio Fan Becomes a Modern Vicar of Wakefield

Crippled Youth's Home Is Sunday Meeting Place of Neighbors of Churchless Community.

In the little town of Wakefield, located in the Virginia mountains, there dwells a young man named Haywood Williams, who, though crippled and confined to his bed for years, has, through the aid of radio, become the unofficial "Vicar of Wakefield."

This bright and energetic mountain boy suffered a fall when very young, and now, twenty-three years old, is confined to his bed, paralyzed for life probably. But his popularity in the community, where there is neither church nor preacher, together with a recently acquired radio set, has made his humble home the Community Center, especially on Sunday. The radio receiving set was a gift from Mrs. Barnett, wife of Major General George Barnett, of the Marine Corps.

Soon after the set was received, the neighbors in this township, near Front Royal, Va., but some 18 miles distant from the railroad, began to come in chiefly out of curiosity, never having heard radio messages before. Having only one set of head phones, Haywood undertook to repeat for their benefit such of the broadcasts received as were possible of repetition — chiefly, of course, talks and sermons. Being interested in religion, he found the Sunday services broadcast by the Rt. Rev. Jas. E. Freeman, Bishop of Washington, of great interest, and as the visitors on Sunday were more numerous than on any other day, he began to repeat the words of the Bishop. Before very long it became a regular ceremony on Sundays for the neighbors from far and near to gather at Haywood's home and listen to his repetition of the Bishop's sermons, broadcast from the Cathedral at Washington.

Now, through the activity of Mrs. Barnett, a fund for the purchase of a loud speaker, to which the Bishop himself has contributed, has been started and within a short time, Haywood will be able to reproduce every word of the Bishop's Sunday services, including the music for his "parishioners." It is even possible that this young layman may become a missionary and function, unofficially perhaps, as a modern Vicar of Wakefield.

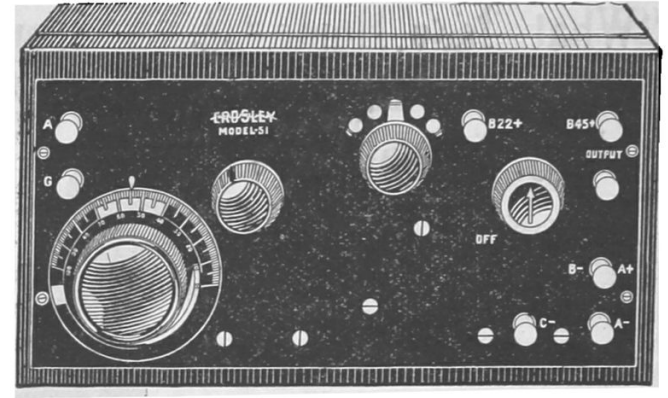
Grounding the cores of the amplifying transformers will sometimes eliminate squealing.

In wiring your set do not crowd the wires. Compromise between too close and too far apart.

CROSLY

51

\$18.50



BETTER - - - COSTS LESS

The Crosley Model 51 is the biggest selling radio receiver in the world, having become such within 24 days after it was announced. Never before has a radio receiving set met such tremendous and immediate approval. Thousands of them have been sold and each is giving wonderful service.

This new receiver is a two tube, long range regenerative set, consisting of tuner, detector and one stage of audio frequency amplification, manufactured under Armstrong U. S. Patent No. 1,113,149. It gives loud speaker volume at all times on nearby broadcasting stations, and operates a loud speaker on far away stations under fair atmospheric conditions. 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.

It incorporates a tuning element made famous in the Crosley Type V, the \$16 set used by Leonard Weeks of Minot, N. D., in his consistent handling of traffic with the MacMillan Expedition at the

North Pole, a genuine Armstrong regenerative tuning and detector circuit. To this has been added one stage of audio frequency amplification, with the well-known Crosley Sheltran 9 to 1 ratio transformer, giving an unusual volume. Thus this set uses two vacuum tubes.

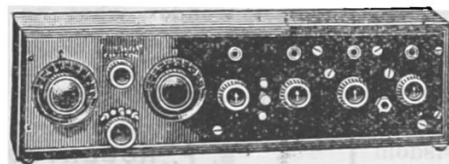
It is the ideal all-around receiver. For local and nearby broadcasting stations, it will operate a loud speaker, giving phonograph volume in the home. Under reasonably good receiving conditions, it will bring in stations up to 1,000 miles, with sufficient volume for the average size room. When receiving conditions are bad, however, headphones should be used on distant stations.

The Model 51 is unusually selective—it incorporates standard sockets so that all makes of tubes can be used. The various units are mounted on beautifully engraved grained panels inside of a hardwood mahogany finished cabinet, which completely encloses all parts and tubes.

A glance at this beautiful instrument sells it, and the results it gives creates many friends for it. Perhaps the most startling thing of all is its price—\$18.50.

OTHER WONDERFUL SETS

SUPER XJ \$65.00



The new Crosley Super XJ is a four tube radio receiver incorporating Armstrong Regenerative and Miner features. This circuit has been pronounced by leading authorities throughout the country as the most efficient of the latest radio developments, enabling perfect regeneration, control of tuned radio frequency amplification with minimum reradiation and increased range, volume and selectivity. There are two stages of audio frequency amplification, which permit the operation of a loud speaker when receiving nearby as well as far-away broadcasting stations.

Manufactured under Armstrong U. S. Patent No. 1,113,149 and R. S. Miner Patent pending.

Still other popular Crosley radio receivers include the Model XJ, four tube set, which costs but \$55.00; the Type V, one tube regenerative set, \$16.00; the Model VI, two tube set, \$24.00; the Type 3B, three tube regenerative set, \$42.00; the Model XL, a four tube set in a beautiful console cabinet with loud speaker, \$120.00; the Type 3C, three tube regenerative set in console cabinet, \$110.00. Also the Crosley two stage audio frequency amplifier for \$18.00.

SUPER SIX \$29.00



The Crosley Super Six is a new two tube radio receiver combining Armstrong Regenerative and Miner features. Perfect regeneration, control of tuned radio frequency amplification with minimum reradiation, and increased range, volume and selectivity are provided in the new Super Six. Distant broadcasting stations are being heard regularly by owners of this new set, voice and music coming in with exceptional clearness. Operation of a loud speaker is possible with the Super Six, but when perfect loud speaker reception is desired we recommend use of the Crosley Two Stage Amplifier.

Manufactured under Armstrong U. S. Patent No. 1,113,149 and R. S. Miner Patents pending.

THE CROSLY RADIO CORPORATION

200 ALFRED STREET

POWEL CROSLY, JR., President

CINCINNATI, O.

“What Is a Home Without a Radio?” May Be Wall Motto

There perhaps was an element of humor in the remark of a certain henpecked husband that radio was a great boon to married men. His wife, he related, had lately become so engrossed in listening to the radio set in their home that he could go out nights as much as he wished without even having to use his threadbare alibis. In fact, his wife was so interested in the new set that she didn't care any more whether he went out or not!

But there was more humor than truth in his statement so far as it applies to the average man and the average American home.

The fact is that since radio came in most husbands don't want to stay out. The air is so full of interesting programmes, high-grade orchestras, entertaining public addresses, and sport news, that they look forward to getting home at night so they can listen in.

It begins to look as if the answer to the question of the ages, “What will keep my husband home nights?” is, “Get him to build a radio set.”

A Long Island man recently told of moving into a new house and of a delay of two or three weeks in beginning to operate the radio set to which he had been accustomed. Home didn't seem the same to him or his family. Spare time hung heavily on their hands; evenings seemed dull and flat. The whole family had begun to get on each other's nerves, when they realized that all that ailed them was they were lonesome for radio. The set was quickly put in commission and promptly restored the household to its normal charm and cheerfulness.

One reason for the popularity of radio in the home and the phenomenal increase in the use of receiving sets is that simple types of sets, which any member of the family can set up and operate, are available at reasonable prices. The tendency of the newest advance in the radio art is toward simplicity of control. Months ago Crosley engineers realized this demand for simplicity would come, and designed receiving sets that a child could operate.

Radio has come into the home to stay. It not only pleases father, but mother and the young people. There's a thrill for the latter in dancing to music of the best orchestra broadcast by radio. And for many a housewife the happiest moment in her busy day is toward the end of the afternoon when her work is done and she can sit down for half an hour before preparing dinner and listen to spirited music.

Who knows but what the wall Mottos of the future will read: “What Is Home Without a Radio?”

Popular Little Entertainer



The picture above shows Baby Bernadine and her character poses with the Baby Baldwin Piano which was designed especially for her. This little entertainer sings and plays frequently in the Crosley WLW radio broadcasting studio.

Radio Will Play An Important Part In Presidential Race

(Continued from Page 1)

circle,” which involves thousands of miles of hot and dusty travel and the nerve-racking excitement and fatigue of appearing before great public gatherings, will save their strength and yet reach more people by broadcasting their principal addresses. The fact that the last two Presidents of the United States succumbed to illnesses by which they were overtaken while on tours, would indicate the wisdom of public men conserving their strength when possible by using radio.

The educational effect on millions of American citizens listening to the proceedings of the forthcoming national conventions can scarcely be overestimated. Closer acquaintance with government and governmental and political procedures, will go a long way toward securing more active participation in government by the average citizen.

LOW COST OF LIVING

Willis: Our Sunday dinner costs a dollar for five of us. That's economy, isn't it?

Killis: I've got you beaten. Ours cost thirty-five cents for the five of us.

Willis: How do you manage it?

Killis: We take the trolley out to my mother-in-laws.

A bit of solder and touch of flux makes the best connection.

WLW To Broadcast Operas From Zoo On Monday Nights

(Continued from Page 1)

vilion, and a plain view of the stage is had from the dining room. This is unique in that there is no other opera in this country which it is possible to enjoy while having a delightful dinner.

Automobiles are parked inside the Zoo Grounds without charge, and additional parking facilities have been provided this summer in order to accommodate the larger number of automobile parties coming to the Zoological Garden to enjoy the opera, the ice show, the Club House, and the dancing; as well as the Zoo itself, all of which combined make the Zoological Garden the most complete and attractive summer entertainment resort in this country.

DAILY PROGRAM

(Continued from Page 2)

- P. M.
1:30 Fifth-Third National Bank Bond Department Report; financial letter, call money rates, on Cincinnati and New York, Liberty Bond, Foreign Exchange and Chicago grain noon quotations. Also closing Chicago cash grain quotations. Complete Indianapolis and Chicago live stock report; Cincinnati cattle market report. Westheimer and Company, closing quotations Cincinnati Stock Exchange, giving the bid, offer and sale.
3:00 Henry W. Brown & Company, Cincinnati Cash Grain Market closing quotations with market conditions. Closing quotations of the Chicago Grain Market. Westheimer and Company, closing quotations at New York Stock Exchange. Bureau of Markets, United States Department of Agriculture, Chicago and New York Butter and Egg Market reports. Special Half Hour Program and News at 4:00 each afternoon, except Saturday and Sunday, as announced by Radio.
Sunday School Services at 9:30 and Regular Morning Services of the Church of the Covenant, beginning at 11:00.
Special Program at 8:00 P. M.

YES, WHO KNOWS?

It will be remembered that the Crosley Model 51 radio receiver was designed by Powel Crosley, Jr., while he was on a hunting trip in Mississippi. Now read the following letter:

“The Crosley Radio Corporation, Gentlemen:

“I received the Crosley Model 51 O. K. and it is a wonder. If your Mr. Powel Crosley, Jr., found this when on a hunting trip, I wonder what he would find if he were to go on a two weeks fishing trip. Ship me two more at once.

“Very truly yours,

“B. F. ROBERTSON,

“Calhoun, South Carolina.”

It takes .054 of a second for a radio impulse to travel the 8,500 miles from New Brunswick, N. J., to Warsaw, Poland.

SODION TUBE



Called “The Golden Rule Tube.” Crystal Tone Reception, not interfering with others. Operates on dry cells or storage battery, a detector tube unusually sensitive to weak signals. Price \$6.50. Send stamp for booklet of Sodian tube hook-ups.

Crosley Distributors

The Creaghead Engineering Co.

Established 1891

Radio and Electrical Supplies
327 Main St., Cincinnati, Ohio.

Genuine Radiotron Tubes

WD-11	\$5.00
WD-12	5.00
UV-199	5.00
UV-200	5.00
UV-201-A	5.00
UV-202	8.00

We carry a large stock of tubes at all times and will make prompt shipment of any of the above upon receipt of remittance to cover. We also are distributors of radio apparatus made by

The Crosley Radio Corporation.

THE JOHNSON ELECTRIC SUPPLY CO.

232 East Fifth St., 331 Main St.
Dept. A. CINCINNATI, OHIO.

PHONE HARRISON 2838

G. S. TAY SALES CO.
RADIO EQUIPMENT
53 West Jackson Blvd.
CHICAGO, ILL.

Liberty Transformers
Milton Point Ceynals
Hoyt Voltmeters and Ammeters
Music Master Home and Garage Products

Electrod Products
F.F. Battery Chargers
C. W. 5 Circuit Plugs
Durham Variable Grid Leaks

April 3, 1924.

Mr. Powell Crosley, Jr.,
c/o Crosley Radio Corporation,
Cincinnati, Ohio.

Dear Mr. Crosley:

You will be interested to know that in operating the Trirdyn last night in our office in the Loop, and within one block of KYW Broadcasting Station, we brought in Davenport on a loud speaker without using any aerial or ground and without any interference from either KYW, WDAP or WGN, the other local broadcasting stations.

Yours very truly,

G. S. TAY SALES CO.

CST:FP

KYW TUNED OUT

BY CHICAGO MAN
OPERATING A

~~CROSLY~~

TRIRDYN

WITHOUT AN AERIAL

LOCAL stations easily are tuned out by operators of the Crosley Trirdyn 3R3, that \$65.00 three tube radio receiver which has become so tremendously popular since its announcement a few weeks ago. The letter reproduced above is but one of the hundreds we have on file that prove owners of the Trirdyn may tune-in far away stations while local ones are broadcasting.

Just pause a moment and consider the statements of Mr. Tay, who is one of the most widely known radio distributors in the middle west. In his office in the loop, where electrical interferences are so terrible, and within one block of the powerful KYW radio station, Mr. Tay tunes out that station and brings in Davenport on a loud speaker. But that is not all, as his letter proves. Mr. Tay was using neither aerial nor ground. And KYW was not the only Chicago station on the air. WDAP and WGN, two other very powerful stations, were broadcasting.

It has been noted that the great demand now is for radio receiving sets that are able to cut through local stations while they are in operation. This demand certainly is met by the Trirdyn. Dealers need but demonstrate the set and it is sold.

The Trirdyn has the following attractive features: Tuned Radio Frequency Amplification, Regenerative Detector reflexed back on the first tube, and an additional stage of Audio Frequency Amplification. The combination of these things gives it the effect of at least five tubes, although there are but three.

The opinion of every one who heard these sets in operation is that they will perform in every way, as to volume and

selectivity, with any five tube receiving set, and the quality is better.

This receiving set is non-radiating (or non-reradiating, as it is sometimes called) so that it causes no interference in a neighborhood in which it may be used. It is controlled by means of only two dials, which can be perfectly and accurately calibrated, and being only two such dials, enables ease in picking up new stations without calibration.

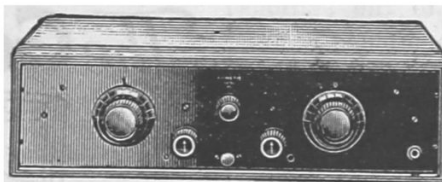
The Trirdyn is equipped with two rheostats, one controlling the detector, which can be set accurately on reception of the first station. The other rheostat controls both amplification tubes, and can also be set for volume and clarity at the same time that the detector rheostat is adjusted, after which no further change need be made in the rheostat adjustment, excepting for change in A Battery voltage.

This slide tickler regenerative control can also be set and is used only occasionally during the operating period for adjustment of volume, so that the control of this set is actually "boiled down" to two dials.

A selector coil is provided on the receiver to be used sometimes during local interference in connection with some types of antennae, in order to provide greater selectivity.

This is, we believe, the ideal receiver. West Coast broadcasting is, of course, copied regularly in Cincinnati on this instrument. It can be used satisfactorily with a very small indoor antenna, which provides loud speaker volume even on long distance stations.

The Trirdyn, or 3R3, gets its name from the combination of radio frequency, regeneration and reflex and also the fact that the set uses only three tubes.



THE TRIRDYN

PRICE, WITHOUT TUBES, BATTERIES OR PHONES----\$65.00

BETTER - - - COSTS LESS

THE CROSLY RADIO CORPORATION

POWEL CROSLY, JR., President

CINCINNATI, OHIO

200 ALFRED STREET

Radio Sets Operate Equally Well In Summer And Winter

Waves from Broadcasting Stations, However, Are Affected During Warm Weather --Range Is Reduced.

Don't blame your receiving set if you are unable to tune in the far-away broadcasting stations you have been accustomed to hearing during the past winter.

Radio receiving sets operate just as efficiently during the summer as they do during cold weather, but we now are rapidly approaching that season of the year when there are tremendous obstacles to be overcome, such as static.

There are many listeners who are wondering why they are having so much trouble tuning in the distant stations they have been hearing, and not a few of them have cast reflections upon their receiving sets. In order to place these good people on the right track, as the saying goes, we will endeavor to explain briefly why they are encountering this difficulty. Before doing so, however, we want to impress upon the minds of every listener the remarks made above about receiving sets operating equally well in summer and winter.

Atmospheric conditions directly are responsible for the reduced range of the broadcasting stations, and therefore for the inability of listeners to bring in far-away stations. Chief of these interferences is static, the greatest enemy of radio and still an enemy so powerful that the brains of the world have been unable to conquer it. This static literally tears huge gaps in the radio waves after the latter are a certain distance from the station whence they come, the distance depending almost entirely upon the power being used by the sending station. In other words, static has but little effect upon the waves sent out by local stations, or on waves sent out by the more powerful stations within a distance of say 500 miles.

Thus it is comparatively easy, when static is bad, to tune in the

If you wish to BUY or SELL SECURITIES

Or own some about which you 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 POWER OF BROADCASTING

Two prominent men in financial circles were discussing an important question at the intersection of two streets in Brooklyn. A negro, driving a team of horses, was forced to wait at the curb as the traffic officer allowed vehicles to pass in the other direction.

The negro overheard the conversation between the two men and after a few moments stepped down and said: "Pahdon me, sah, ahn't you all the gen'man, Mr. Vice President Peter Hamilton, o' the Lawyers' Mortgage Company, what broadcasts every Monday evenin'?"

Mr. Hamilton, startled, turned, at this greeting and answered, "Yes, I am."

"Well, sah," answered the ducky, "Ah want to say Ah have enjoyed youah financial talks on mah crystal set and Ah shur am pleased to meet you-all." Just then the traffic officer's whistle blew and the colored financial expert assumed his regular duty as charioteer of his express wagon.

larger stations within a radius of 500 miles, but more difficult to hold stations at greater distances. For these reasons radio listeners should be contented, during the next few months, to listen to the stations within the above mentioned radius, bearing in mind at all times that their inability to tune in those farther away is not due in the least to their receiving set but to the electrical and atmospheric interferences that hinder the waves from the broadcasting stations.

We broadcast daily at 10:30 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.

Radio Set Lost By Pittsburg Convicts After Baseball Game

Pittsburgh, Penn.—Whatever sobering effect incarceration behind prison walls may have, it evidently does not curb enthusiasm for the home baseball team and six hundred fans now receiving their mail at the Allegheny County jail are such rabid home rooters that their baseball news by radio has been shut off temporarily.

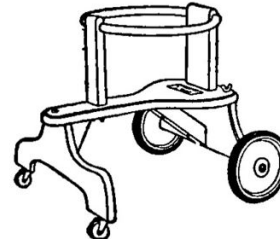
This came about as a result of the recent Pirates' victory over Cincinnati. The prisoners have radio concerts, but are prohibited from speaking or making any noise during the progress of these entertainments. They waited eagerly for the opening of the baseball season.

The first day the Pirates lost. This bad news was received in silence as it came over the radio. The next day not a sound came from the tensely listening prisoners throughout the first scoreless eight innings. But when in the thrilling ninth, Garey scored a run which gave Pittsburg the victory, a mighty cheer went up.

This was a clear violation of the rules.

Warden Lewis is a sympathetic man, but he also is a disciplinarian. It was hinted that the radio service may be resumed this week.

The Go-bi-bi



No longer does Daddy carry the infant about in his arms while mother prepares supper. Little brother and sister do not have to sacrifice their play hours to take care of the baby. And Mother—look at Mother, just as carefree as the children. All because the Tiny Tot in this home is learning to walk by means of the GO-BI-BI and needs little attention from anyone. On the contrary he is keeping the rest of the family entertained.

"My wife and I are 'tickled to pieces' over the GO-BI-BI we have for our ten months' old girl. It is just like a one ring circus to watch her." (Signed) Gordon B. Small, Springfield, Mass.

Every dealer in baby things or children's vehicles should stock the GO-BI-BI, and help to make healthy babies and happy homes in the community. Nothing like it for making satisfied customers.

CROSLY MFG. COMPANY

1632 Vandalia St. Cincinnati, O.



GIVE YOUR SET A REAL CHANCE

to show the tone and volume it can develop with this sensationally successful, long range reproducer! Exclusive micrometer adjustment means more stations, better values, real music. No extra batteries or coils—natural reproduction.

Superspeaker

Costs no more than others but yields results that can't be equalled—As fine in appearance as in performance—A big, substantial, well finished musical instrument—any dealer can be proud to stand back of it.

JEWETT RADIO & PHONOGRAPH COMPANY

5650 Twelfth Street

DETROIT

MICHIGAN

AND WLW PROGRAMS

PUBLISHED BY THE CROSLEY RADIO CORPORATION, FORMERLY THE PRECISION EQUIPMENT COMPANY AND CROSLEY MANUFACTURING COMPANY, Manufacturers of Radio Apparatus, Cincinnati, Ohio.

VOL. III, NO. XXI.

PRICE \$1.00 A YEAR. FIVE CENTS PER COPY ON NEWS STANDS.

MAY 26, 1924

Take Entertainment With You By Means Of Crosley 51-P Set

New Portable Receiver Light, Small and Efficient—Needed By Every Traveler and Tourist.

"Take your entertainment with you" is the new slogan for the radio fans. The new Crosley 51-P portable receiver makes this possible, whether it is for use in an automobile, boat or in camp. This new set weighs only 21 pounds with batteries, phones and aerial.

It is constructed exactly like the Crosley 51, with detector and one-stage of audio-frequency amplification, using the Armstrong regenerative circuit, licensed under U. S. Patent No. 1,113,149. This is the same type of receiver used by Len H. Weeks, of Minot, N. D., who was in direct communication with McMillan's ship near the North Pole. The portable is covered with a beautiful black leatherette, with nickel plated trimmings and hardware.

The case is constructed of strong, light wood and has ample room for a real power plant of "A," "B" and "C" batteries, instead of a limited space for flashlight batteries, as found in some receivers. Three full size No. 6 dry cells furnish the filament current for either 199 or WD12 tubes, giving economical life and not necessitating frequent renewal of "A" batteries. There is also room for 67½ volts of "B" battery for the plate, obtained from the vertical type of battery. Provision is also made for connecting the "C" battery, if desired.

The portable is compact enough to be placed beneath the seat in a railway coach and easily stowed away in auto or camping kits, measuring 11½ inches high, 7½ inches deep, and 11¾ inches long. The top is hinged in one place and the front in two places. The upper part of the front is opened for operation of the set and the lower half is hinged to permit easy access to the batteries.

Ample volume for using a loud speaker under average conditions up to 1,500 miles is provided, while under bad conditions, it is advisable to use head phones on distant stations. The Crosley 51-P is manufactured by The Crosley Radio Corporation, Cincinnati, and sells for \$25 without phones, aerial, batteries or tubes.

(Continued on Page 6)

Cincinnati Wins Crosley Trirdyn For Writing Most Interesting Letter On Shrine Concert Broadcast By WLW

The Shrine Concert broadcast from Crosley Radio WLW on April 23rd, brought in a deluge of enthusiastic letters. According to these, the happy crowd led by Henry Fillmore, Eddie Ball, Howard Hafford, Billy Waterworth, Doc Betzner and Mum Platt, gave an entertainment that had never been equalled at any radio station.

All of the letters and cards were turned over to Henry and Eddie and the rest of them, to select the winner who was to receive the Trirdyn set offered by The Crosley Radio Corporation for the best letter sent in on that program. Henry says the following wins because it takes in everything on the evening's entertainment and includes all members of the family, so that it covers everything that would go to make up an ideal review:

"May 1st, 1924.

"The Crosley Radio Corporation,
"WLW, Cincinnati, Ohio,

"Gentlemen:

"You get that Shrine Band at Crosley Radio, WLW, Cincinnati, and you stop turning the dials right there. You lose all desire for trying for something better and you settle back in the big, easy chair perfectly contented and happy. Soon a grin comes over your face as you

catch the magnetic spirit of the band and now you are only one among many thousands who 'caught on' and are staying with WLW because the Shrine Band is in the air.

"The Shrine Band program 'gets' the whole family. The kids like the funny stuff, the laughter in the studio radiates in all directions and makes you think you are right there with that crowd of merry-makers; grown-up sister likes that dance music; mother and dad take to that occasional old-time song and grandmother, up stairs in her own room listening-in on her own set with ear-phones, forgets it is long past her bed-time and is chuckling to herself over that particular number just now which is of great interest to her because it takes her back once more to her girlhood days.

"There is human interest for the whole family in the Shrine Band radio concerts being broadcast by Crosley Radio WLW, Cincinnati. That is why thousands stick to WLW when the Shrine Band is there.

"Sincerely yours,

"J. R. Schmidt,

"3557 St. Charles,

"Hyde Park."

Fan Who Demands Perfect Reception Gives "Black Eye" To Man Who Claims Radio Is But Winter Entertainment

One evening, not long ago, we dropped in at the home of a Cincinnati newspaper man—a man we knew was a loyal but very fastidious radio fan. By the latter we mean that he demanded perfect service from his receiving set. We stopped at his home for two reasons—one was purely personal and the other was to see how he was enjoying his radio on an evening when a typical spring electrical storm was raging. Flashes of lightning and blasts of thunder illuminated and shook the house. We knew that it was as bad a radio night as there would be during the summer, and we desired to see how this "fan" was "weathering the storm."

He was just finishing his dinner when we entered, and after the usual greeting we were invited into

the library where the radio set is kept. Everything was working out just as we desired. We knew we would have no trouble starting a radio conversation in that room. And, lo and behold, the first words of our friend were:

"Pull out that filament switch, Bob, and see what's on."

Of course we did as we were told, and immediately the room was filled with music, coming from Pittsburgh. It was beautiful, despite the fact that the storm was raging. Shortly afterward, however, a local station started up, and we listened to that for a while because the concert really was wonderful. And as we listened our friend talked about the marvels of radio.

"I am satisfied now when I tune in such stations as Pittsburgh, Chi-

(Continued on Page 8)

Crosley Radio Dance Opens Summer Season At Cincinnati Zoo

Thousands Of WLW Listeners Enjoy Evening As Guests of The Crosley Radio Corporation.

The summer season at the Cincinnati Zoo was opened with the dance given by The Crosley Radio Corporation to its thousands of WLW fans who asked for tickets. The weather was ideal for the dancers and the new maple-wood floor was crowded from early evening until the strains of "Home Sweet Home" sent the crowds away to their radio sets to tune-in to the dance music of the distant broadcasting stations and thus continue the dancing via broadcast music.

Manager Miller of the Zoo, who arranged for the dance, was most enthusiastic in his praise of the season's beginning and felt sure that such an affair augurs well for a good season at Cincinnati's favorite summer resort.

Before the dancing began, the guests had an opportunity to see the wonderful collection of animals, which Sol Stephan has managed to gather from places throughout the world. One of the most interesting exhibits was the reindeer brought from Norway and the only ones on exhibition in this country.

It will be from the Zoo that the summer season of opera will be broadcast by Crosley WLW, beginning Monday, June 23, and every Monday night thereafter for the eight weeks of the engagement. This broadcasting is for the especial benefit of the shut-ins who would otherwise be unable to enjoy the beautiful music and singing of the artists. The opera will be under the managerial direction of Ralph Lyford, who has so successfully presented the operas at the Zoo in the past.

Bakelite, a fine insulating material used so extensively for radio panels and parts, is known by scientists as oxyphenylmethylenglycolanhydride. It is condensation product of phenol and formaldehyde.

The pay of a marine radio operator ranges from \$90 to \$150 a month, with food and quarters supplied.

Crosley WLW Programs For Week of May 25th

SUNDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 25th. Eastern Standard Time.
309 Meters.

9:30 A. M.—
School 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.
7:30 P. M.—
Church Service of First Presbyterian Church of Walnut Hills. Rev. Fred. K. McMillan, Minister.
8:15 P. M.—
Concert by the Western and Southern Orchestra, directed by William Kopp, (Under the auspices of the Western and Southern Life Insurance Co.)

MONDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 26th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Babson Reports.
8:00 P. M.—
Program given by the Cincinnati Alumni Chapter of the Mu Phi Epsilon Sorority.
Vocal Selection by Mrs. Anna von Unruh Wooley
Piano Solo:
Etude in D flat.....Listz
Mrs. H. R. Wilson
Voice:
"Narcissus".....Nevin
Mrs. Charles Geiser
(violin obligato by Mrs. Gantenberg)
Voice:
"Homing".....Tersa del Riego
"Fear".....Grace Gardner
Miss Edna Innes
Piano:
"Oriental".....Manvancervs
Mrs. Arthur Broomell
Violin:
"Empre'acte".....Cramer
Mrs. Lizette Linneman Gantenberg
Voice:
"A May Day Carol".....
.....Old English
"Memories".....Ganz
"When Celia Sings".....Moir
Mrs. Charles Geiser, accompanied by Mrs. Raber.
Vocal Duett:
"A Night in the Forest".....
.....D'hardelot
Selected
Mrs. John Strubbe
Mrs. Elmer Randle
Violin:
"Berceuse".....Townsend
Mrs. Gantenberg
Voice:
"Amereuse".....R. Berger
"The Meadow Lark".....A. Jones
"Were I".....C. J. Bonds

Mrs. James Hughes
Piano:
"Shadow Dance" ...Mac Dowell
"Butterfly"Grieg
"Waltz"Chopin
Mrs. H. R. Wilson
Finale: Song—MU PHI EPSILON
8:30 P. M.—
"Dixie Stars," Al Bernard and Russel Robinson, featuring their own songs.
9:00 P. M.—
Talk: "Citizens Training Camp," by Father O'Connor.
9:10 P. M.—
Crosley Theatrical Review followed by popular program by WOODY MEYER'S CINCINNATI ORCHESTRA.
Ted Kennedy, violin; Ernest Meyer, drums and manager; William Dinkel, piano; Earl Vetter, Saxophone; Robert Seavers, Saxophone; Rudolph Schneider, trombone; Cliff Yeager, trumpet; William Rieth, banjo; William Wilde, bass tuba and violin.
(Baldwin Piano)

TUESDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 27th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Babson Reports.
5:15 P. M.—Baseball Results.
10:00 P. M.—
Special concert given at the Starr Piano Company, featuring Harry Frankel and other Genette Record Artists.
Womens' Club Quartette:
Mrs. Frank Shattuck
Miss Beatrice Tutman
Miss Katherine Dineen
Miss Anna Mader Gilcher
Miss Mary Louise Hand at the piano
(a) RomanzHellmesberger
(b) Prayer
(c) Rondo (Freischutz)
Songs: (with quartet accompaniment)
(a) "Marcheta"
(b) "A Pretty Good World After All"
Mr. Harry L. Riggs
Violin Solos by Mr. William C. Stoess, accompaniments by Miss Rosemary Ellerbrock
The DIXIE STARS, Al Bernard and Russel Robinson featuring their own songs.
12:00—SPECIAL MIDNIGHT PROGRAM by the CHUBB-STEINBERG ORCHESTRA DE LUXE.
Art Hicks, violin; Walter McDonald, piano; William Cook, saxophone and clarinet; Holman Becraft, saxophone; Rex Adkins, trumpet; Frank Bamberger, trombone; Leon Warren, banjo; Bud Ebel, drums; Ray Kleemeyer, tuba.
(Baldwin Piano)
Test all connections regularly for looseness or breaks.

WEDNESDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 28th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Concert for the "Shut Ins" by the Wurlitzer Concert Company.
5:15 P. M.—Baseball Results.
7:30 P. M.—
Memorial Services for the departed nobles of the Syrian Temple, Cincinnati.
Organ Prelude by Lohm Yoakley
Solo by Arthur Steinbrecher
Ensemble: The Star Spangled Banner
Quartet: Will Atkinson, Arthur Steinbrecher, Howard Evans, Arthur Thomas.
Momimi Mortomi by Oscar Fender
Solo by Arthur Thomas
Memorial address by Rev. Bro. Herman L. Meister
Solo by Will T. Atkinson
Response by Willard Harris
Quartet Selection
Masonic Funeral Anthem—Ensemble
8:30 P. M.—
TALK: Announcement of National Junior Chamber of Commerce Convention—Mr. Maurice Koodish.
The "Dixie Stars," Bernard and Robinson featuring their own songs.
8:45 P. M.—
Program of orchestral and male quintet numbers by the God's Bible School under the direction of Mr. J. M. Meighen.
Quintet:
Mr. Meighen, first tenor
Mr. Mullens, second tenor
Mr. Martin, baritone
Mr. Louis, first bass
Mr. ash, second bass
9:15 P. M.—
Popular Dance Program by JACK KEEFER'S DANCE ORCHESTRA.
(Baldwin Piano)
THURSDAY
RADIO PROGRAM
WLW
The Crosley Radio Corporation
Cincinnati, Ohio
May 29th. Eastern Standard Time.
309 Meters.
10:30 A. M.—Weather Forecast and Business Reports.
12:45 P. M.—Language Lesson from Crosley University.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Piano Solos by Miss Adelaide Apfel. Talk by a Representative of the League of Women Voters.
5:15 P. M.—Baseball Results.
10:00 P. M.—
Times-Star Radio Club of the World.
10:10 P. M.—
The Glee Club of West Night High school presents excerpts from a Musical Review, featuring "Old Songs," such as "Come, Lasses and Lads," "Amo, Amas, I Love a Lass,"

"Sweet Nellie," "What Can the Matter Be?" "Old King Cole," "There Was a Maid Went to the Hill," "Betty Was a Maiden Fair," "The Dumb Wife," "The Old Maids Lament," "Minuet," "The Wooing," Chorus: "Silently," "Scotland's Burning," "Auld Lang Syne."
10:30 P. M.—
The Pleasant Ridge Mothers' Club "KITCHEN CABINET ORCHESTRA."
The DIXIE STARS, Al Bernard and Russel Robinson, singing their own songs.
11:15 P. M.—
Entertainment and Popular Program by DOHERTY'S MELODY BOYS.
F. A. Pendergast, Piano
Ridge Bludau, Trumpet
Leo Bludau, Saxophone and Clarinet
Bake Holthaus, Drums
Harry Kennedy, Trombone
J. L. Doherty, Banjo and Manager.
(Baldwin Piano)

FRIDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 30th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
1:30 P. M.—Market Reports.
3:00 P. M.—Stock Quotations.
4:00 P. M.—Special Program. Memorial Day. T. C. O'Donnell, Editor of Writers' Digest, lecture on "Practical Lessons in Writing."

SATURDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 31st. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
1:30 P. M.—Market Reports.

DAILY PROGRAM

10:30 Weather Forecast.
A. M. Fifth-Third National Bank Bond Department Report; financial letter, call money rates, on Cincinnati and New York, Liberty Bond opening quotations, Foreign Exchange opening, Chicago opening grain quotations, Cincinnati and Chicago hog market reports. Westheimer and Company, opening quotations of New York Stock Exchange. Weather Forecast repeated.
P. M.
1:30 Fifth-Third National Bank Bond Department Report; financial letter, call money rates, on Cincinnati and New York, Liberty Bond, Foreign Exchange and Chicago grain noon quotations. Also closing Chicago cash grain quotations. Complete In-
(Continued on Page 6)

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

970 KILOCYCLES, 309 METERS EASTERN STANDARD TIME CINCINNATI, OHIO.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.	10:30 A. M.
11:00 A. 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.
7:30 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.
8:15 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	4:00 P. M.	
	8 P. M. to 10 P. M.	10 P. M. to 12 P. M.	8 P. M. to 10 P. M.	10 P. M. to 12 P. M.		

Crosley Radio Weekly

Published by The Crosley Radio Corporation, formerly The Precision Equipment Company and Crosley Manufacturing Company, Manufacturers of Radio Apparatus Colerain and Alfred Streets, Cincinnati, Ohio. Telephone, West 7600 Subscription Price, \$1.00 a Year Robert F. Stayman Editor Alvin R. Plough Associate Editor

TRAVELING COMPANION

The average traveling man is a home man despite the fact that his home usually is wherever he hangs his hat. He likes to get back into his hotel room after dinner in the evenings, don his smoking jacket and slippers and enjoy a rest after a hard day's work.

But lonesomeness often "gets the best" of him. The silence is hard on his nerves. Reading, if overdone, is boresome. But music—ah, that is a different thing. The human being never gets tired of music.

In the past, however, it has been impossible for the traveling man to listen to music unless he went to the theater, to some roadhouse, or to some other place of amusement. Trips to such places as these were all right once in a while, but no person cares to "go out" every night in the week. Nor does any traveling man care even now to go to these places of amusement more than once or twice a week.

Since the advent of radio, however, he need never be without music right in his room in the hotel. Portable radio receiving sets are being manufactured—receiving sets that will bring in music from scores of different broadcasting stations, yes, even hundreds of stations. Last summer portable sets were offered, but they were no more portable than the average trunk. In other words they were heavy and clumsy—really not portable at all. This summer they are smaller, lighter and, still more important, more efficient. In fact the one we have in mind is a two tube Armstrong regenerative receiver, with one stage of audio frequency amplification, and still it is contained in a cabinet which is about half the size of the ordinary suit-case and weighs less than 22 pounds, including batteries, tubes, headphones, etc.

This is the ideal receiver for the traveling man, who easily can carry it from city to city and install it in his hotel room, a wire strung from one end of the room to the other serving as an aerial, and a wire attached to the radiator serving as a ground. Sitting back in his easy chair, he can bring in any kind of music he likes best, and

he can hear plenty of it. Solid comfort and real pleasure. What more can a man want?

Yes, the traveling man has a new traveling companion—a portable radio receiving set. If you are considering a gift for your father, husband or brother, you might just as well decide upon one of these portable sets, because nothing will be more appreciated. And of course we might add that such a gift would be an especially good one for the husband, because it will do more than anything else to keep "him" in his room at night and away from the "evils of the great cities."

"HAPPINESS."

(By Estley Norbert (Rothschild) Author of: A Heap O' Lovin')

I made a venture on Life's path,
Where searching knights progress;
But found it not where most I sought,
This gem, called Happiness.

O'er winding roads I wandered on,
And sought and sought in vain;
Until it seemed hope had despaired
This Happiness to gain.
One day when weary, sad and worn,
Amid the rush and din
I heard a voice speak tenderly,
"Seek 'Happiness' within."

"You failed to see in years gone by,
The boons within your powers,
And many times along the way,
Your path was strewn with flowers.
You found it in your Mother's song;
You almost hear it now;
When as a child she held you close,
And soothed your aching brow."

"You found it when a little child,
Whose loving heart and voice,
Portrayed its Love and Confidence,
By making you its choice.
You found it when the World was cold,
Because mistakes you made;
A stranger with a heart of Gold,
Fearless, came to your aid.

And when the skies were overcast,
And depths of Soul were stirred,
You found it in a gentle touch;
A look, or kindly word.
For Happiness comes from within;
'Tis but a simple test,
For with a knowledge of the Truth,
The Soul is put to rest."

—Copyright 1924—Estley Norbert, (Rothschild).

RADIO MAN WINS PRIZE.

Guy H. Robinson, assistant sales manager of The Crosley Radio Corporation, Cincinnati, won the first prize in a contest for the best advertisement written for French Bros.-Bauer Company, dairy products distributors.

Increase In Number Of Radio Stations; 577 Now Licensed

Reallocation Of 80 Wave Lengths May Be Proposed By Hoover—Class B Stations Now Number 52.

Broadcasting, thought to have reached its level last May, is again on the increase, as far as the number of stations is concerned. Today there are 577 stations licensed to broadcast, compared to the peak of 591 last May. New stations are still coming in, 27 having been added during the past month while 19 dropped out of the aerial entertaining profession.

It is probable that Secretary Hoover will ask for a re-allocation of the eighty wave lengths now allotted to broadcasters, with a view to redistributing them in a better manner. Instead of distributing them on the basis of frequencies, with a waste space between the wave lengths assigned, it is possible that a new method may be devised, which, it is said, would make a dozen more wave lengths available. Another plan would be to eliminate the 152 Class C stations, which have been permitted to continue on the original 360 meter wave, or transfer them to A or B stations, and make that wave length available for general use in the several zones.

Reviving interest in the building of high-powered and high-class broadcasting stations has entirely exhausted the available wave lengths between 303 and 546 meters. All wave lengths in this band, reserved for Class B stations, being assigned, it is impossible to give new B stations exclusive waves, and as a consequence, wave lengths now in use must be shared by neighboring stations; or more exactly, operating time must be divided.

There are 52 Class B stations operating with 500 watts or more power, and broadcasting high-class entertainment and features, but applications for almost a dozen similar stations are on file in the Department.

who hope to secure Class B licenses from the Government, are warned that they will have to operate part time and share wave lengths already assigned to one or more stations, as is the practice with Class A stations, the Department points out.

Broadcast listeners throughout the country will be glad to know that the time for evening amateur transmission has been moved forward an hour during the period of "daylight saving" by a new order of the Department of Commerce.

The nine District Supervisors of Radio have been instructed to advise all general, restricted and special amateurs that they are required to observe a silent period from 7:00 p. m. to 10:30 p. m., local standard time, or from 8:00 p. m to 11:30 p. m. daylight saving time, and on Sunday during church services, from May 1 until October 1, 1924. Copies of the above order will be sent to all licensed amateurs by the District Supervisors of the Department as they are received.

The above order was not issued by the Department until the approval of the American Radio Relay League was received, and it redounds to the credit of that organization that it offered to cooperate with the Department in an effort to prevent a repetition of the confusion and increased complaints which followed the adoption of daylight saving time in many sections of the country last year.

Listeners-in should appreciate the gift of an hour by the amateurs and the spirit of co-operation shown by their unselfish agreement. The Department has issued the order affecting about 1,700 amateurs, with reluctance, since it appreciates the work and interest of the amateurs, but no other method of preventing confusion of time and operating hours presented itself.

Sixteen stations in the United States now broadcast on battery power alone.

If a soft bluish glow appears in your tubes the plate voltage is too high.

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.

Radio Conference To Be Called After Congress Adjourns

Hoover To Seek Co-operation of Those Interested In Radio In Solving New Problems.

Secretary of Commerce Hoover will call a general radio conference in Washington soon after adjournment of Congress in an effort to secure co-operation of all radio interests in clearing up the ether and solving the problem of distributing wave lengths. A conference will be called whether or not new legislation is enacted.

The conference will be similar to those in the springs of 1922 and 1923, at which representatives of the manufacturers, broadcasters, engineers, amateurs, commercial operators, and broadcast listeners aided in drawing up voluntary regulations under which radio has been supervised ever since. It was in this manner that the distribution of wave lengths for broadcasters and other interests was developed.

Present indications are that broadcasting stations will continue to increase although wave lengths available for this use are practically exhausted and stations are doubling up. Even time allotments in congested sections are becoming difficult to make.

Secretary Hoover believes congested conditions and interference are getting worse. If present conditions continue, he is unable to see how we could operate five years from now, and as a consequence he intends taking advantage of such suggestions from representatives of the allied radio art and industry as may be made.

If the White Bill is enacted, Secretary Hoover pointed out, new regulations and probably re-allocations of wave lengths will have to be made, and if no legislation is passed this will still be the case; otherwise a condition such as prevailed two years ago confronts the radio public.

"Hams, Fans, Ops" and the ho polloi of radio land will be interested to know that the White Radio Bill finally has been passed on by the radio sub-committee of which Representative White is Chairman, and sent to the Merchant Marine and Fisheries Committee of the House. Mr. White believes the general committee will soon report the bill favorably to the House, where he hopes it will pass this session. No one can prophesy as to what the attitude of the Senate will be.

Few changes were made in the bill, it is understood, since the recent hearings; basically, it is practically as originally introduced.

CROSLEY SET PLEASURES WINNER OF PRIZE.

"The Crosley Radio Corporation,
Cincinnati, Ohio.

"Gentlemen:

"Some time ago, while listening in on my crystal set, I chanced to hear Mr. Smith, of WLW, announce a contest among school children for the sale of Zoo season books and the writing of compositions, conducted by the Cincinnati Credit Men's Association. Several days later, we received posters telling in detail of the contest and that the first prize was to be a \$100 radio set. I immediately made up my mind to do my level best to win the first prize.

"I was fortunate to be awarded the first prize by the judges, which proved to be a beautiful Crosley 3B radio set, complete with tubes, batteries, two sets of phones and a loud speaker. It is working far beyond my highest dreams, and I am able to get stations all over the country.

"I am indeed grateful to the Cincinnati Credit Men's Association and very proud of my set. But if it had not been for Crosley telling about the contest over the radio, I would not have had a chance to win this prize.

"Respectfully yours,
"Homer Phillips Stall,
"3935 South Jefferson
Ave., Norwood, Ohio."

"Radios Will Number 20,000,000 Sets In Five Years"

New York.—"Within five years there will be 20,000,000 radio sets in the United States, and by that time they will have transformed the nation's existence in an even greater degree than any scientific development or invention of modern times."

This is the prediction of William Dubillier, a dynamo in the radio world, in an interview here.

"America is far in the lead over Europe in radio development," he said. "We are years ahead of

SODION TUBE



Called "The Golden Rule Tube," Crystal Tone Reception, not interfering with others. Operates on dry cells or storage battery, a detector tube unusually sensitive to weak signals. Price \$5.00. Send stamp for booklet of Sodion tube hook-ups.

Crosley Distributors

The Creaghead Engineering Co.
Established 1891

Radio and Electrical Supplies
327 Main St., Cincinnati, Ohio.

HOME OF CROSLEY DISTRIBUTORS



The picture shown here is that of the offices and warehouse of the Woodward-Wight Co., Ltd., of New Orleans, La., Crosley distributors. These people are erecting another building of about the same magnitude, which will be completed within the next few months.

They have been having wonderful success with the new Crosley Trirdyn. Mr. George Wygant is in charge of the Electrical and Radio department. Mr. Wygant's assistant, Mr. Owen Barry, is taking a special interest in the sale of Crosley radio equipment. He is a very capable man, and has a thorough knowledge of Crosley equipment.

them in broadcasting. Europe is backward in radio because of lack of competition, and where there is no competition there is no incentive.

"Radio is a wonderful and priceless thing. It is to be a great power in education, and, above all, it is destined more than any other force to bring an understanding of universal brotherhood to all peoples of the world.

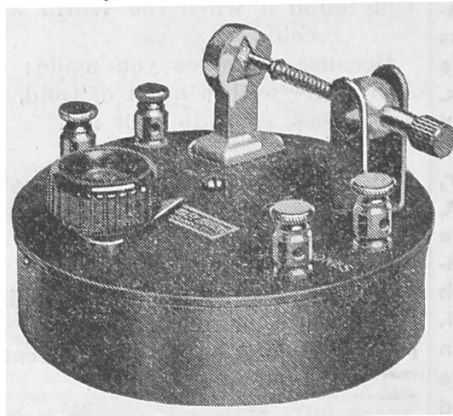
"I predict that eventually the industry in the United States will be placed under the license system, as is the case in England, where, in order to own a radio set, one first must secure a license.

"Instead of having broadcasting stations scattered about interfering with one another, England permits only 12, and each and every one of

them is under Government supervision. It is my belief that radio entertainment in America could be raised to a higher basis of specialization—say, one station broadcasting dance music, another opera and still another lectures and so on. Eventually America will come to this, and free programs will be in the discard.

"The time rapidly is approaching when it will be possible for a person to carry a complete receiving set in one's pocket—and in this way business will become more efficient, as an employe will then be enabled to keep in touch with his concern at any time and place by just tuning in with his company's central broadcasting station."

CROSLEY JUNIOR CRYSTAL RECEIVER



This is the new Crosley Junior Crystal Receiver, the ideal radio set for use in listening to local broadcasting stations and those within a radius of about 25 miles. Clear, undistorted reception is assured, this new set providing perfect reproduction of radio signals. No batteries or tubes are required, nothing to become disconnected, nothing to be damaged by the children.

With the advent of summer, the demand for crystal sets has increased tremendously. Crosley dealers and jobbers will find that this new set will meet immediate approval, and we suggest that you get your orders to us as soon as possible.

Price, without phones or aerial equipment,\$4.00

THE CROSLEY RADIO CORPORATION

Powel Crosley, Jr., President

200 ALFRED STREET

CINCINNATI, OHIO

For Radio Dealers

The following interesting article was submitted by W. W. Boes, Ohio representative of The Crosley Radio Corporation:

In helping a distributor of Crosley Products compile his new catalogue for the 1924-1925 season the other day, I remarked that I noticed he was no longer the clearing house for every radio manufacturer but that he had settled on three specific lines of radio merchandise for his catalogue.

"And those are all the lines I am going to carry," he answered. "Heretofore we have watched the changes in equipment and the many so-called new circuits that were developed and, although there is a temporary demand for those sets, the enthusiasm soon dies out and we are finding salesmen selling only the standard lines that are nationally advertised and made by reliable manufacturers. We believe that the real development has been in the component parts used in the assembly, such as that new type of coil you are using, in the Multistat, the appearance of the set and the compactness such as is represented by your items. I see no reason why we should not narrow down to just your line next year.

"There are many good reasons for such a move. Your goods are reliable, they represent the best values obtainable, and since they give the same results as sets selling for two and three times as much money we can sell our salesmen on Crosley Receivers so thoroughly that we will naturally do much more business."

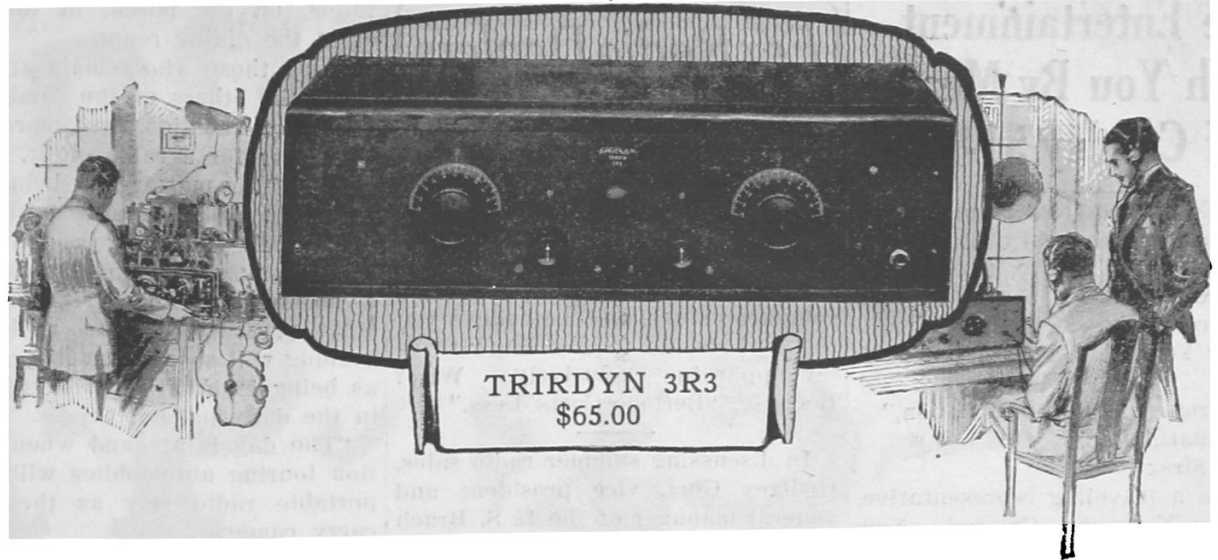
The truth in this distributor's conversation is so apparent that little comment is required. Distributors and dealers have allowed themselves to become virtual clearing houses for every piece of apparatus manufactured and have had no little difficulty in disposing of the last few sets or parts and **THERE WAS WHERE THEIR ENTIRE PROFIT** was lying.

The Crosley Trirdyn Models represent the very last word in up-to-date receiving sets. They have the logging feature, by means of which you can get the same stations at the logged setting of the dials. And there are only two dials, and three tubes.

The fact that all sets are equipped with Multistats makes their usefulness greater because this feature permits the use of any kind of tube with no changes or explanations required.

Biggest of all is the responsibility of the manufacturer. Powel Crosley, Jr., has taken the lead in radio manufacture and has kept it. This reputation has been built on a conscientious desire to offer to the public a line of merchandise that represents the greatest value

(Continued on Page 6)



New Crosley Engineering Achievement Approved By Over 200 Experts

A three tube set with five tube efficiency—the greatest selectivity with the minimum effort—positive calibration to any wave length between 200 and 600 meters. These are only a few of the many advantages offered in the remarkable new Crosley Trirdyn Radio Receiver.

It was only after a year of constant experimenting, that our engineering department perfected this exceptional receiver. Thorough tests proved to us that it would out-perform any receiver ever before produced. But we were not satisfied with our own opinion. So we shipped out 200 of these sets to experts in every part of the United States. Their criticisms are one and the same—"tried out your new Trirdyn Receiver Saturday night and logged 13 stations, among them Cuba, New York and Omaha, between 9 and 10 o'clock. The set was very selective. During the time this test was on, local station KSD was operating and we went through them without any difficulty or interference whatever. The range of the local station was not more than three points variation in the dial setting."

"Tried one of these sets and obtained wonderful results. Were able to log all stations which we heard very successfully. This set should go over big." "The set has wonderful volume and is selective"—etc.

This new Crosley triumph is called the Trirdyn because of its original combination of the "R's"—Radio frequency amplification, Regeneration and Reflex. The first tube incorporates non-oscillating, non-radiating tuned radio frequency amplification; the second tube, a regenerative detector reflexed back on the first tube for one stage of audio frequency amplification. Then it has a third tube which acts as a straight audio frequency amplifier. It uses the ultra selective aperiodic antenna circuit and external selector coil, which adds to its wonderful selectivity.

The Crosley Trirdyn in range, volume and selectivity is the equal of any five tube receiver on the market. Greater volume will, of course, be obtained through the use of storage battery tubes, but it will function well in any type and can be used with either indoor or outdoor antenna.

The opinion of many experts have convinced us that the Trirdyn is the best receiver ever offered the public regardless of price.

Practically every radio dealer can furnish you Crosley Radio Sets, including not only the Trirdyn, but the Model 51, a two tube set for only \$18.50; the Model V, a single tube receiver at \$16.00; the Model VI at \$24.00; the Super VI at \$29.00; the Model X-J at \$55.00 and the Super X-J at \$65.00.

See This New Wonder At Your Dealers

All Crosley Regenerative Sets are Licensed under Armstrong U. S. Patent No. 1,113,149.

CROSLY
Better -- Cost Less

Crosley produces more Radio Receiving Sets than any other manufacturer in the World.

Radio Products

THE CROSLY RADIO CORPORATION

POWEL CROSLY, Jr., President

200 ALFRED STREET

CINCINNATI, OHIO

Take Entertainment With You By Means Of Crosley 51-P Set

(Continued from Page 1)

This set is to appeal to thousands of people who desire to carry a radio receiver with them. For instance read what Mr. L. A. Haynes, of New York City, says about such a set:

"The Crosley Radio Corporation," "Cincinnati, Ohio," "Dear Sirs:

"I am a traveling representative, covering Nebraska, Colorado, New Mexico and southern Wyoming.

"Being a radio fan or 'bug', I have tried for over four months to obtain a set that I could carry around with me for amusement in my lonesome hours, but could not find any set that I could use as a 'portable' until I purchased one of your Model 51s. I have had some remarkable receptions on same, bringing in stations of a distance of 1,800 miles and more. This is all the more remarkable due to the fact that I cannot use an outside antenna. I have had to depend on the wire screen on my windows when there was one, but most of the time I have used the bed spring. At Rircon, New Mexico, I had an opportunity to run a wire from my set to a tree just outside my window, and the results were even more satisfactory than with my screen and bed spring aerial. I am using three 'B' batteries, two 'A's' and a 'C' with WD12 tubes.

"I believe there is a big field for a good strong 'portable' set, one that would have all batteries, etc., enclosed. I am carrying my set in a small fibre case that could not fit any better if it had been made for it.

"At Grand Junction, Colo., I gave a demonstration to a number of people at one of your dealer's stores there, to prove that I could get the stations on a bed spring aerial, as they had never heard of anything like that before. At most of my 'stops' I have demonstrated and shown my set, and I feel sure it has been the means of selling a number of them. If not it was not because my audience was not convinced or impressed.

"If you are making any 'portable' sets, or sets suitable for such demands as I have to make on them, I would thank you to advise me, for I have to thank you for the many happy hours with my Model 51, and I hope to install it in my coupe when I get home.

"Thanking you for any information or suggestions you can give me, and wishing you every success, I am,

"Very truly yours,
"L. A. Haynes,
"286 Fourth Ave.,
"c-o Mills & Gibb Corp.,
"New York City, N. Y."

For Radio Dealers

(Continued from Page 5)

for the money invested and to give to that same public the benefit of the very latest engineering practices.

Think this over Mr. Distributor, compare values, and we believe you too will decide to distribute Crosley apparatus exclusively. Why? Because, "Better—Costs Less."

In discussing summer radio sales, Godfrey Gort, vice president and general manager of the L. S. Brach Manufacturing Company, Newark, New Jersey, recently said:

"Since the advent of popular radiophone broadcasting in 1920, it has taken nearly four years for the radio industry to reach the degree of sales stability which now prevails. In these four years there have been periods of dullness, especially in the Summer months. The slump in the Summer of 1923 was small compared with the dull period in 1922, and there are many signs pointing to the conclusion that the Summer months of 1924 will show movement of a much greater volume of radio sets and parts than was the case in 1923.

"It has taken time for people to learn that the radio set, unlike a piano, a cookstove, or a bath tub, is not a fixture which belongs in the home only and must remain there. Those who Summer at the beach, the lake, in the country or in the mountains are learning that a portable radio set should by all means make up a part of the kit taken along.

"Many radio dealers who are alive to the situation are displaying compact, economical, dry-cell outfits in packages which are plainly rugged and portable. The appeal to the vacationist is strong. Isolation exists no more where there is a radio outfit.

"With a radio outfit the vacationist can gather in all of the sport news; hear the baseball games, play by play; obtain orchestra music for dancing; have Sunday evening concerts, etc., without having to make any arrangements for these benefits other than that of setting up a radio set, on the

If you wish to BUY or SELL SECURITIES
Or own some about which you **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

sands, on the porch, in the tent or in the dining room.

"And, those who remain at home while the others of the family are absent on vacation have more need than ever for a radio outfit. The grade of the matter now being sent out from radio broadcast stations is rapidly creating a situation which makes a radio receiving set a necessity. To be ignorant of what passed over the radio last evening will soon be as inexcusable as being ignorant of what appears in the daily papers.

"The day is at hand when vacation touring automobiles will carry portable radio sets as they now carry cameras.

"The dealers who first reap the reward will be those who have the vision to realize that radio is on its way in and not on its way out.

"It has been observed by one keen analyst of the radio merchandising situation that the dealers who own the most lucrative businesses are those who carry standard, dependable sets; carry an adequate stock of parts and accessories, and who give their customers correct engineering advice relative to the operation of sets and the construction of antennas with safe mounting and proper protection from extraneous hazards.

Announced in this issue of the Crosley Radio Weekly is the new Portable 51, a two tube, long distance radio receiver that is certain to become immensely popular. Dealers are advised to prepare to meet an immediate demand for this set.

DAILY PROGRAM

(Continued from Page 2)

dianapolis and Chicago live stock report; Cincinnati cattle market report.
Westheimer and Company, closing quotations Cincinnati Stock

We broadcast daily at 10:30 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.

Exchange, giving the bid, offer and sale.
3:00 Henry W. Brown & Company, Cincinnati Cash Grain Market closing quotations with market conditions. Closing quotations of the Chicago Grain Market. Westheimer and Company, closing quotations at New York Stock Exchange.
Bureau of Markets, United States Department of Agriculture, Chicago and New York Butter and Egg Market reports.
Special Half Hour Program and News at 4:00 each afternoon, except Saturday and Sunday, as announced by Radio.
Sunday School Services at 9:30 and Regular Morning Services of the Church of the Covenant, beginning at 11:00.
Special Program at 8:00 P. M.

Genuine Radiotron Tubes

WD-11	\$5.00
WD-12	5.00
UV-199	5.00
UV-200	5.00
UV-201-A	5.00
UV-202	8.00

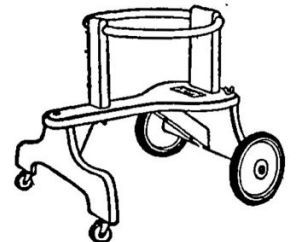
We carry a large stock of tubes at all times and will make prompt shipment of any of the above upon receipt of remittance to cover. We also are distributors of radio apparatus made by

The Crosley Radio Corporation.

THE JOHNSON ELECTRIC SUPPLY CO.

232 East Fifth St., 331 Main St. Dept. A. CINCINNATI, OHIO.

The Go-bi-bi



No longer does Daddy carry the infant about in his arms while mother prepares supper. Little brother and sister do not have to sacrifice their play hours to take care of the baby. And Mother—look at Mother, just as carefree as the children. All because the Tiny Tot in this home is learning to walk by means of the GO-BI-BI and needs little attention from anyone. On the contrary he is keeping the rest of the family entertained.

"My wife and I are 'tickled to pieces' over the GO-BI-BI we have for our ten months' old girl. It is just like a one ring circus to watch her." (Signed) Gordon B. Small, Springfield, Mass.

Every dealer in baby things or children's vehicles should stock the GO-BI-BI, and help to make healthy babies and happy homes in the community. Nothing like it for making satisfied customers.

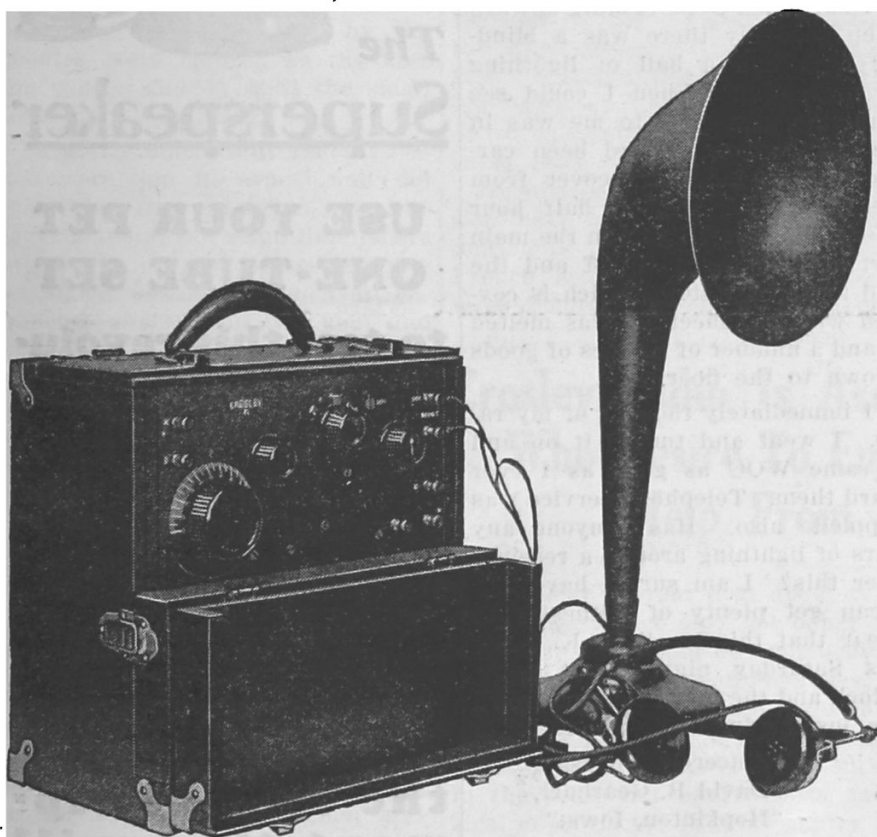
CROSLY MFG. COMPANY

1632 Vandalia St. Cincinnati, O.

CROSLEY

51-P - \$25.00

Take your entertainment with you



SINCE the announcement of the Crosley 51, early in February, the popularity of this two tube set has grown by leaps and bounds. Selling at the price of \$18.50, it established an entirely new standard of value in the radio world. This receiver gives ample volume for a loud speaker on local receiving stations, and, under average receiving conditions, gives ample volume for a loud speaker on distant stations, frequently up to 1,500 miles or more. Under bad receiving conditions it is advisable to use head phones on distant stations.

Since the announcement of the regular Crosley 51, there has been an insistent demand on the part of jobbers, dealers

and individuals for a Portable 51. Here it is. The same wonderful little receiver that is now known so well as the 51, in a leatherette covered, portable case, with nickel plated trimmings and hardware.

Unlike most portable receivers, the case of the Portable 51—known as the Crosley 51-P—has ample room for a real power plant of batteries instead of a limited space for flashlight batteries, which have a very short life, even on dry cell tubes. The Crosley 51-P has ample space for three full sized six inch No. 6 dry cells to furnish the filament current for dry cell tubes. There is also room for three Eveready No. 764 vertical, intermediate 22½ volt "B" batteries, or the equivalent Burgess and French batteries, thus giving 67½ volts for the plates of the tubes, which means ample loud speaker volume under proper conditions. There is also ample room for a "C" battery, and provision is made for connecting in a "C" battery if desired. There is room for one or two coils of insulated flexible wire to be used as an antenna and ground wire, and there is a compartment for head phones.

The traveling salesman will take the Crosley 51-P with him to while away the evening hours when there is nothing else to do. He can drop a wire out of his hotel window, attach another wire to the radiator, and bring in stations within a reasonable range, and enjoy all of the pleasures of radio wherever he goes. The same is true of the camper and the automobile tourist. The farmer will use the Crosley 51-P in his home and when he goes visiting will take it along so that his neighbors, friends and relatives can enjoy the pleasures of radio when he comes to see them. Such organizations as Boy Scouts, Girl Scouts, and other clubs will find the Crosley 51-P an ideal receiver to round out the entertainment of the organizations.

The Crosley 51-P is so light and convenient, and can be used so efficiently on a small antenna, that it is recommended for canoes, motor boats, yachts, and for travelers on ocean voyages and on board trains.

The price of the Crosley 51-P is \$25.00. This does not include batteries, head phones, tubes or antenna equipment, which can be added at an additional cost of less than \$25.00.

THE CROSLEY RADIO CORPORATION

POWEL CROSLEY, JR., President

200 ALFRED STREET

CINCINNATI, OHIO

Author of Poem On Marrying An Eskimo Wins Trirdyn Set

Serious, Humorous And Poetical
Replies Received to
Question Broadcast
By WLW.

"Would you marry an Eskimo?" was the question broadcast from the Crosley radio station, WLW, in Cincinnati, and the radio fans replied with answers which ranged from the serious to the humorous and the poetical. In fact, it was an answer in poetical style which won the Trirdyn, offered for the best reply. The occasion for the marital question, was the appearance of Dr. O. T. Greenland's Eskimo Orchestra on a Crosley program.

James E. Fesler's reply is not only unique but graphic. It follows:

Would You Marry An Eskimo?
He—

You ask, "Would I Marry An Eskimo?"

A belle of the Northern clime;
Where Boreal lights through
the moonless nights
O'er the ice wastes gleam
and shine.

A maid close wrapped in a walrus skin,

In an igloo—sweet and fair;
Yes! she I'd wed, with naught
to dread,

For 'Tis Heaven when Love
is there.

She—

You ask, "Would I Marry An Eskimo?"

From Greenland's cold domain;

Where winds blow free o'er
frigid sea,

And the white bear roams
the plain.

Though fur clad, blubber
smeared and rough,

And skin of a foreign hue;
I'd grasp his heart from the
frozen mart

And wed—if his love were
true.

Both—

For love is old as the boundless
skies,

And knows not time nor
place;

It steers the soul to a joy filled
goal,

And leads in an endless race.

In every age and in every
sphere,

As the aeons come and go;
If I lived them all, were Love
to call,

I would marry the Eskimo.

James E. Fesler,
669 Gholson Ave.,
Cincinnati, Ohio.

The poem was fittingly embellish-

ed with several igloos, with an aerial attached to one of them and on this aerial, electrical symbolic waves were being received. In the center and bottom of the setting there are radio waves, darting forth in all directions from the WLW radio station of The Crosley Radio Corporation and cities throughout the United States are marked with stars. In the top of the whole neatly drawn picture, appears the aurora borealis in colors.

Gives Black Eye To Man Who Says Radio Is For Winter Only

(Continued from Page 1)

cago, Detroit, etc. These, together with the local stations, are broadcasting really wonderful concerts—all that a radio "fan" can desire. I bought my receiving set to enjoy music, and music is what I am enjoying. Music coming from Cincinnati is just as good as music coming from California. During the winter I enjoy the thrill of tuning in some far-away stations, but now the nearer ones are good enough for me. Listen to that, for instance. You would not know there was any static in the air. The only ones who talk static are the fellows who insist upon tuning in stations 1,000 or 1,500 miles away. But I am one of those who enjoy radio in the summer as well as winter, and believe me, there are thousands of people who are agreeing with me."

And at the time he was talking the beautiful music was coming in loud and clear, without the least interference from the storm. All of which gives a black eye to the person who says radio is a winter entertainment.

MAKING OF PHONOGRAPH RECORD BROADCAST BY CROSLY WLW.

The broadcasting of the making of a phonograph record was successfully demonstrated by the Crosley WLW station in Cincinnati, when the Chubb-Steinberg De Luxe Orchestra played several numbers which were recorded by The General Phonograph Corporation for Okeh records. The recording was done in the Hotel Sinton and the special apparatus was brought from New York and the master records made under the direction of Charles L. Hubbard, who is an expert in acoustics and has made phonograph records for many years. This is the first time that the making of a phonograph record has been broadcast. It was also through the Crosley station that the making of a Vocastyle music roll, "Somebody Else Is Stealing My Sweetie's Kisses" was made.

Here's More Proof That Antenna Is Lightning Protector

"Editor Crosley Radio Weekly,

"Cincinnati, Ohio,

"Dear Sir:

"I have just finished reading your article by C. H. Van Housen about static and summer radio. Let me tell you of my experience with lightning. Mine is one where lightning actually did strike my antenna. I have a four wire cage antenna that I use for transmitting and receiving. At the time I had it connected to my receiver which had a common arrestor shunted across the aerial and ground posts. It had been raining for some time so I shut the set off and was standing in the door way in front of my store talking to the owner of the store next door.

"I happened to be looking upward when suddenly there was a blinding flash and a ball of lightning hit my aerial. When I could see again the man next to me was in the store where he had been carried and he did not recover from the effects for a good half hour after. The street lights in the main part of town were all off and the lead to one big store, which is covered with tin sheeting, was melted off and a number of shelves of goods thrown to the floor.

"I immediately thought of my radio. I went and turned it on and in came W'OC as good as I ever heard them. Telephone service was crippled also. Has anyone any fears of lightning around a receiver after this? I am sure I have not. I can get plenty of witnesses to swear that this is all O. K., as it was Saturday night about seven o'clock and the usual country crowd was just beginning to get in town.

"Sincerely yours,

"David B. Gearhart,

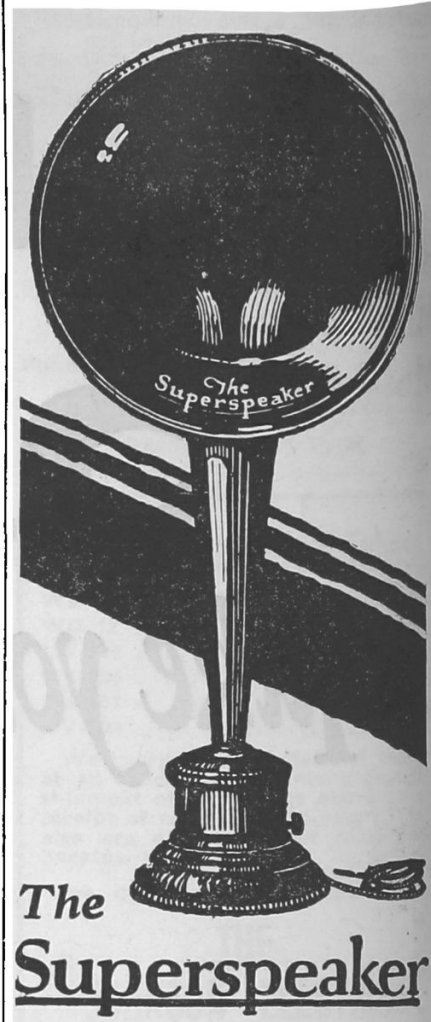
"Hopkinton, Iowa."

FRENCH CELESTE ADDED TO CROSLY WLW STUDIO.

A French celeste has been added to the musical equipment of the Crosley WLW studio in Cincinnati. Its beautiful bell-like tones record through the microphone with perfect clarity and the harmonics are such as to give pleasing tones regardless of the composition played.

The celeste is built like a piano with similar keyboard and one pedal for expression. The little felt hammers strike upon steel bars and the scale ranges from an octave below middle c to three octaves above.

This instrument was imported by Wurlitzer. It will be played by distinguished soloists.



**USE YOUR PET
ONE-TUBE SET**

to test this revolutionary reproducing instrument. The wider your experience, the greater will be your amazement and delight. On many such sets the Superspeaker is the only equipment that will yield satisfactory results.

On multi-tube sets, Superspeaker results are just as strikingly superior. Exclusive micrometer air-gap adjustment insures range without extra batteries. Big, substantial non-metallic horn—finished in glossy ebony. More good dealers wanted.

**JEWETT RADIO &
PHONOGRAPH COMPANY**
5680 Twelfth Street
DETROIT MICHIGAN