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APRIL 28, 1924

Turn On Your Loud Speaker And Sit Back And Smile While Calamity Howler Raves About Summer Reception

Broadcasters' Views On Music Problems Bared By McDonald

Attitude Of Radio Station Owners Toward Demands of Publishers Is Explained In Detail.

By E. F. McDONALD, JR.,
President National Association of Broadcasters.

The nation-wide interest in the dispute between a small group of music publishers and song writers who have joined their interests in an organization called the American Society of Composers, Authors and Publishers, and the broadcasting stations, has prompted me to respond to the article by E. C. Mills, chairman of the Administrative Committee of that organization, in which he purports to set forth the publishers' side of the controversy with the radio broadcasters.

During the year 1922 the broadcasting stations of the United States were going peacefully along their way, broadcasting whatever good music seemed to be desired by the listening public. From out of a clear sky came a demand by the Society of Composers, Authors and Publishers that they forthwith be paid a substantial sum of money for the privilege of broadcasting a number of selections, the copyrights of which were under their control. This demand surprised the broadcasters beyond expression, because they had always considered that a distinct service was being given these publishers, as well as others, when their music numbers were sent over the air, and if there was any paying to be done, the publishers should pay the broadcasters.

A meeting of the broadcasters was then called at the Drake Hotel on April 25, 1923, on which occasion they were organized as the National Association of Broadcasters, with offices in New York and Chicago. Paul B. Klugh, founder of the Music Industry's Chamber of Commerce, was given active charge of the affairs of the broadcasters, in the capacity of executive chairman.

The objects of the National Association of Broadcasters are to foster

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Increased Power of Broadcasting Stations Will Practically Eliminate Electrical Disturbances - - - Possibilities of Radio During Next Five Months Are Legion - - - Many Valuable Features Prepared For Broadcasting.

By C. H. Van Housen

"Oh, well, I don't care if the storm did blow down my aerial. You know, the summer time will soon be here, and then the static and everything will be so bad that it won't be any use trying to use the radio set!"

Friends, I want you to read that sentence over again and read it carefully. Have you read it? And considered it?

All right. Remember it. Every word of it, for that sentence is a symptom of a radio disease which appears every year about this time, and which will kill a lot of radio pleasures if a common-sense radio-health crusade isn't started against it.

That sentence is part of a conversation I heard on a train the other day, just after Tuesday's big April fool snowstorm had caused the downfall of hundreds of aerials. The person who made the remark is a young woman who is so interested in radio she built her own set, and is an ardent radio fan— or should I say "fanette"?

What a pity that a person so well informed generally on radio should hold to such a ridiculous view regarding "summer radio!" There is

no "summer radio," and no "winter radio!" Radio is radio the year round. It doesn't have its seasons. The sensible radio fan no more thinks of putting away his radio receiving set during the summer than he would of boxing up his phonograph!

"But," yelps the calamity howler, "just think of what static will do to receiving in the summer time! Just think of it!" All right. If the calamity howler will stop his yawping for a minute and give the voice of reason a chance, we'll do that very thing—think!

How many times this winter did static bother you? Quite a number, didn't it? But did you stop listening-in? Not in the least! You just swore softly and continued to make the best of it. There isn't any use shutting one's eyes (or rather, ears) to the fact that there is such a thing as static. Certainly there is.

But millions of radio users have been doing the philosophic thing about static interference. They were told that on nights when static was bad, the best thing to do was to manipulate their sets so that static noises would be reduced as

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Music Is The Real Foundation For All Radio Broadcasting

Wireless Doing Great Deal In Popularizing "Divinest of Arts," Studio Director Writes.

By Fred Smith,
Studio Director at W L W.

In the days before the broadcasting of music, spreading of the divinest of arts was, from the very order of things, extremely slow. Operas that cost thousands of dollars a performance were kept within the walls of theaters in large cities. The twelve American Symphony orchestras played to but fifty thousand people a year. The great artists journeyed only from one big city to another.

But now all these things flash out through space to the eager ears of lonesome souls in hospitals, deserts, villages, mountains and Islands. Beethoven and Tschaiakowsky become words of everyday use. We begin to absorb the most beautiful of life, the most beautiful that man has created, even as we absorb and thrive upon the sunshine that comes to us from so many million miles away.

Supervisors of Music, at their recent convention here, sent their songs and enthusiasms back to the various nooks and corners of America, whence the members had come, by means of radio. Whatever the educational or cultural value of broadcasting may assume, music will be the foundation upon which that structure will be built.

This national convention of Music Supervisors brought vividly to our minds the great and earnest work being done throughout the country by musicians whose deepest desire is to sow the seed of musical culture in the soul of American youth.

The question often arises as to whether or not America is a musical nation. Laredo Taft, notable American sculptor, who spoke at one of the banquets given by the supervisors, brought this interrogation once more to our consideration, indicating with pride that

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Radio Equipped Recruiting Auto Is Being Used By U. S. Army Men

The regular army Recruiting Service has installed a Crosley Trirdyn receiver on its automobile which will travel through the farming districts in behalf of the service.

Colonel F. G. Turner, the recruiting officer in charge of the Cincinnati district, selected the new Crosley Trirdyn after a careful survey of all radio equipment. This receiver is operated with a short antenna atop of the automobile and a loud speaker is employed to give the crowds which gather around the car an opportunity to hear broadcast concerts from stations throughout the country.

The truck makes trips into Ken-

tucky, Indiana and Ohio and the officers invite the listeners to join the Army and learn radio engineering. An interested member of this recruiting outfit is the airdale mascot, Bob. The men who travel with the car are: Lieutenant-Colonel F. G. Turner; Glenn Myers, mechanic, 3rd Class Specialist; Wiley Brown, Radio Technician, 2nd Class Specialist, and 1st Sergeant Arthur Levins, of the Recruiting Detachment.

When a radio set was required last summer for recruiting work for Camp Knox, a Crosley Model NJ was installed on a private automobile, used for the work.

Crosley WLW Programs For Week of April 27th

SUNDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
April 27th. 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
April 28th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Babson Reports.
8:00 P. M.—
Special Concert by the Mabley and Carew Glee Club under the direction of Henry Grad.
8:30 P. M.—
Glimpses into the Community Chest by "Cincinnati."
Violin Duetts:—Andrew and Charles Jacobs accompanied by their mother, Mrs. Jacobs.
9:00 P. M.—
Crosley Theatrical Review and Entertainment by WOODY MEYER'S CINCINNATI ORCHESTRA. Ted Kennedy, Violinist and Director
Ernst W. Meyer, Manager and Drums
Wm. Dinkel, Piano
Earl Vetter, Saxophone
Robert Seavers, Saxophone
Tenor
Rudolph Schneider, Trombone
Clifford Yaeger, Trumpet
Wm. Rieth, Banjo
Wm. Wilde, Bass Tuba and Violin
playing: "After the Storm," "From One Till Two," "Adoration Waltz," "The One I Love," and others released by the National Association of Broadcasters.
Mr. Joe Richards, tenor, will sing several songs.
Ella Baur will also sing.
(Baldwin Piano)

Debating by radio from one continent to another may come sooner than expected.

Inspect your B battery regularly if you want it to live long.

TUESDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
April 29th. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Topics of Interest to Women. Times-Star News.
10:00 P. M.—
Program by the Cincinnati Chapter of the Mothers of Democracy.
1. Vocal Solo:
"A Perfect Day"
.....Carrie Jacobs Bond
Miss Flora T. Rosenthal, Mrs. Simoni Henckle (violin obligato) and Miss Phillips at the Piano.
2. "The Silver Ring"
.....Cecile Chaminade
Miss Helen Louise Nugent, soprano, accompanied by Mrs. Grace Clause Raine
3. Four Minute Talk by Mrs. Andrew Foppe, National President of the Mothers of Democracy.
4. Violin Solo:
"Souvenir"F. Drdla
5. Vocal Solo:
"To Be Near You"Cooty
Miss Flora Terese Rosenthal, accompanied by Miss Phillips

10:30 P. M.—
Entertainment by the "FAMOUS GREENLAND ESKIMO ORCHESTRA"
Miss Margorie Chaplin will sing several songs.
11:00—
12:00—
Special Midnight Program by the Chubb-Steinberg Orchestra De Luxe
H. Becraft, Saxophone, Manager
Art Hichs, Violinist
Bill Adkins, Trumpet
Frank Bamberger, Trombone
Jack Laatkamp, Piano
Buck Kleemeyer, Tuba
Bud Ebel, Drums
Carl Claube, Banjo
Wm. Kock, Saxophone
(Baldwin Piano)

WEDNESDAY

RADIO PROGRAM WLW

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

10:30 A. M.—Weather Forecast and Business Reports.
1:30 P. M.—Business Reports.
3:00 P. M.—Market Reports.
4:00 P. M.—Program for the "Shut Ins" by the Wurlitzer Concert Company.
8:00 P. M.—
Woodward High School Orchestra, under the direction of A. R. Kratz.
SYMPHONY NO. 1Beethoven
8:30 P. M.—
Program by the David Davis Vocal School of Cincinnati, assisted by Miss Edyth Louise Tolken, Violinist and Mrs. Grace Clause.

Raine, Pianist.
Solos and Ensemble numbers by Miss Bessie Lee Grimmeissen, Mr. Edward Luebbe, Mr. Arthur Kuhlmann, Miss Ruth Marion Roberts, Mrs. Ruth Hahn and Mrs. Emma Grace, Miss Ella Betz, Miss Mary Waltz, Miss Lauretta Vanderhorst, Miss Mary Elizabeth Peters, Mrs. Gertrude Weaver and Mrs. Laura Louise Lang.
9:20 P. M.—
Ho-Down Tunes by Jake Rootz's Pumpkin Vine Orchestra.
(Baldwin Piano)

THURSDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 1st. Eastern Standard Time.
309 Meters.

10:30 A. M.—Weather Forecast and Business Reports.
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 Cincinnati Conservatory of Music.
1. Reading:
"Brushwood" Thomas B. Reade
Miss Helen May Curtis (with musical accompaniments written by Mr. Tirindelli for personal use of Miss Curtis)
Miss Pauline Stemler at the Piano.
2. Male Quartette:
"Kentucky Babe"Geibel
"On the Sea"Buck
Mr. Edward Decker, tenor
Mr. Edward Smith, tenor
Mr. Ezra Hoffman, bass
Mr. Stanley Johnson, bass
3. Piano Solo by Miss Pauline Stemler
4. Male Quartet:
"Love Was Once a Little Boy"Nevin
"Sleep Lil' Chile"Pettyjohn
"De Coppah Moon"Shelly
Reading:
5. April Twenty-fifth as Usual
E. Ferber
6. Male Quartet:
"Carry Me Back to Old Virginia"Bland
"Ashes of Roses"Cole
"Little Tommy Went A Fishing"Macy

FRIDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio
May 2nd. 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. T. C. O'Donnell, Editor of Writers' Digest, lecture on "Journalism."

SATURDAY

RADIO PROGRAM WLW

The Crosley Radio Corporation
Cincinnati, Ohio.
May 3rd. Eastern Standard Time.
309 Meters.

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

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: "From One Till Two," "Adoration Waltz," "After the Storm" and others released by the National Association of Broadcasters.
(Baldwin Piano)

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.

A Washington amateur has built a miniature crystal set small enough to place within a single radio head-phone.

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

CHANGE IN TIME

On Sunday, April 27th, Daylight Saving Time will become effective in Cincinnati. In other words, Radio Station WLW will operate on Eastern Standard Time on and after that date. Programs in this issue of the Crosley Radio Weekly are marked accordingly.

RADIO THIS SUMMER

An unparalleled opportunity for usefulness is offered to radio with the advent of the summer season. So rapid and so far-reaching have been the developments during the past year that even the radio loving public has been unable to grasp the full meaning of the events, and these, so far as number is concerned, will fade into insignificance when compared with the educational and entertaining features that are being prepared for the benefit of the listeners by the great broadcasting stations throughout the country.

Certainly there need be no summer slump in this great industry if the public is intelligently educated to the advantages to be derived from "listening-in" during the next five months. There are some who insist they will not be able to hear distant stations, and for that reason are preparing to store away their receiving sets until fall. But the wise listener will keep his set exactly where it is, because recent developments have made it possible for far-away stations to be heard clearly and regularly throughout the summer. These developments include the increased power of metropolitan broadcasting stations, the increased number of stations, re-broadcasting between stations, improved receiving apparatus, etc. Elsewhere in this issue of the Crosley Radio Weekly there is a story explaining in detail why the radio set must be kept in operation continually.

C. B. Cooper, New York representative of The Crosley Radio Corporation, and vice president of the Radio Trade Association, has written for "The Radio Dealer" a most interesting article headed "Kill the Summer Slump Idea." His article follows:

"There will be no Summer Slump this year.

"Radio business men will refuse to be stampeded into the belief that as soon as the warmer weather approaches, it is time to board up the windows, or to start selling washing machines.

"Radio business men realize that the volume of sales at present is due to two things: Buying on the part of new customers and replacement demand.

"They know that practically every radio business man has done at least one hundred per cent more business in the last six months than they did in the twelve months preceding. They know that much of the popularity of radio is due to the fact that one set owner tells his friends, and that this endless chain of radio means a basic demand for more sets and more replacements.

"They know that big things are going to happen in the radio world this summer. One of these is the presidential campaign. Already a slogan is being taken up by the industry: Follow the Political Campaign by Radio. The American public merely needs to be shown how radio will enable them to listen to some of the greatest orators in the country. The political stump will reach more people than ever because of radio.

"Then there are events in the world of sports—baseball, the Olympic games, boat races—which radio will report to an interested world of set owners.

"Finally, these radio business men know the constant appeal, in summer as well as in winter, of music, which radio will supply day in and day out, morning, noon and night.

"Radio business men know all these things. For the good of the radio business, they want to drop the idea, once and for all, that radio is a seasonable trade. And they are going to kill the idea of a summer slump, by continuing to sell radio all summer long."

Music Is The Real Foundation

(Continued from Page 1)

very gathering as an example of the earnest American effort to stimulate musical appreciation in our country. He pointed out, on the other hand, how the first two or three centuries of our existence, beginning with that historic year 1620, were utterly devoid of poetical, musical and general artistic expression, due entirely to the frosty influence of the Puritans.

Gradually the primitive iciness of the Pilgrims has melted before the development of the new American race fused from many streams of warmer sources. The great American race is blossoming into an artistic race. And this flower of art is manifesting itself most definitely in music. It is no longer necessary for an aspirant to the stellar regions of musical recognition to journey to Paris, Milan, Berlin or Vienna. Many indeed of our very best artists are born and developed entirely within our own boundaries.

Broadcasters' Views On Music Problems Bared By McDonald

(Continued from Page 1)

and promote the development of the art of radio broadcasting; to reform abuses relative thereto; to secure freedom for its members from unjust and unlawful exactions; to secure co-operative action in advancing the common welfare of its members; to advocate the enactment of just and equitable laws pertaining to radio broadcasting; to support every movement to advance the radio art, and to encourage and aid in the development of musical and literary genius, especially where such genius has not had proper and just recognition.

A survey made of the American Society of Authors, Composers and Publishers disclosed that this society represented only approximately 253 authors and composers out of a known list of over 5000; that only approximately 40 publishers were their members out of a known list of publishers of over 1500. In other words, it developed that this so-called American Society of Authors, Composers and Publishers represented only a small minority of the total authors, composers and publishers in the United States. The name of the society was, therefore, found to be somewhat misleading, because representative American composers were not members, such as Harry Rowe Shelley, Harvey Worthington Loomis, Henry E. Hadley, Arthur Foote, Carrie Jacobs Bond, Horatio Parker, Charles W. Cadman, Rubin Goldmark, William Arms Fisher, W. J. Baltzell, Nathaniel Irving Hyatt, Homer A. Norris, Clifford N. Page, Henry F. Gilbert, Victor Harris, Charles Fonteyn Manney, Arthur Farwell, H. Leichter-Clough, John P. Marshall, David Stanley Smith, James H. Rogers, G. W. Chadwick, Ward Stephens, Samuel Richard Gaines, Cecil Forsyth, John H. Densmore, Mary Turner Salter, Alexander MacFadyen, W. A. Neidlinger.

The National Association of Broadcasters formed a bureau of

RADIO FOR WAR VETERANS

Director Hines, of the Veterans' Bureau, plans to equip all government hospitals with radio as soon as possible. As a preliminary step he has authorized the wiring of hospitals under construction for radio distribution in the following cities: Northampton, Mass.; Tupper Lake and Chelsea, N. Y.; Chillicothe, Ohio; Camp Custer, Mich.; St. Cloud, Minn.; Excelsior Springs, Mo.; and Livermore, Calif. Additions being constructed in hospitals in Gulfport, Miss.; Knoxville, Iowa; Little Rock, Ark., and Augusta, Ga., will also be wired for the installation of receiving sets.

All 48 hospitals at present occupied, not yet supplied with radio, will also be wired and equipped as soon as means to meet the expenses can be found, the Director states. Money will be needed for the centrally located receiving sets, and many pairs of phones and loud speakers, and it is hoped charitable institutions or radio manufacturers will aid the Government in this plan to bring the outside world to all the veterans in Government hospitals.

music release, conducted at the joint expense of the members, not for profit. This bureau receives the music submitted to it, thousands of numbers from independent publishers, authors and composers all over the United States, and accepts and releases to members of the association those found to be above par.

The demands of the American society upon the broadcasters are briefly these:

Payment of the copyright fee on top of the payment made at the time of the purchase of music by the orchestra desiring to use it for broadcasting.

license fee has been paid twice, a broadcasting microphone is suspended before an orchestra and the music broadcast, the society claims

(Continued on Page 6)

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.

Disregard Comment About Unpleasant Summer Reception

(Continued from Page 1)

much as possible. Or they took what was still more sensible advice and were content with local broadcasting altogether.

That advice holds good for operation of sets during the summer as much as it did for their manipulation during the winter. Broadcasting stations have become so powerful and broadcasting has become so efficient that for at least 100 miles around a broadcasting station receiving of local stations during the summer is equal to reception during the winter, static or no static!

The waves of the broadcasting stations are so powerful that they literally "override" static disturbances as far as local reception goes, so that local reception during the summer is of a quality and clearness equal to that of winter reception.

Now, if this is true of one powerful broadcasting station, it is true of all. And there are so many broadcasting stations nowadays that it would be difficult to get very far away from the "zone of broadcasting" of at least one station.

And, what is still more important—not every night, nor day either, for that matter, will be "full of static," as one fan expressed it. There will be many, and many at a time, when static will not interfere at all.

Do you remember what happened last summer? Never was there such a summer of reception! It was the sensation of the radio world. Every fan who had been level-headed enough to keep his set going, blessed himself that he hadn't joined the ranks of the timid and timorous and "put radio away for the summer!"

"Put radio away for the summer!" Foolishness of foolishness! Folks, do you realize there are big things due to come over the air this spring and summer—things that you cannot afford to miss? The two great national political parties will nominate candidates for the presidency and vice presidency. These events will be broadcast. What a thrill.

Are you going to miss these just because some one (who never made a study of radio) stands up on their hind legs and hollers "static!" Better get a broadcast of those historic gatherings riddled through with static rather than to sit back and miss the wonder of it all—the roar of the enormous crowds, the nomination speeches, the voice of President Coolidge himself and other notable men and women of the nation!

There is no indication that broadcasting stations will lessen their activities during the summer. Then, why in the name of common-sense

Prize Winner

When you seek Radio Perfection Say **CROSLY**



Above is a reproduction of the drawing that won first prize in the Slogan Contest recently conducted by The Crosley Radio Corporation through radio station WLW. It was submitted by F. W. Haas, of Cincinnati.

should radio listeners in "lay away the receivers in lavender and old lace?" as one radio fan put it sarcastically!

And the national conventions won't be the only summer radio attractions. There will be sports, outdoor games of all kinds, the results of national and international contests, famous bands and orchestras will be "put on the air" for the benefit of radio-set owners and operators.

But no mention has been made yet of the "outdoor" possibilities of radio itself. Portable sets are becoming as common as indoor sets. The perfection of dry-cell tube sets, that permits the use of dry batteries for supplying the current for both filament and plate of the various tubes, have solved the problem of traveling "light" with radio.

Furthermore, storage-battery units have been so devised that they are easy to operate and transport, if it is desired to take a storage-battery outfit along on a summer week-end vacation trip or to the camp in the mountains or beside some stream or lake. It's a very easy matter to install a radio receiving set in a motorcar or motorcycle.

Think of lying out under the stars at night listening to the strains of some orchestra or band broadcasting from some heated city miles and miles away! Picture yourself dancing on the sands of the seaside to jazz from the loud-speaker! Draw a picture of a fishing lodge in the mountains and you and your friends sitting around the fire or out on the veranda listening to the "latest scores" by radio!

The possibilities of radio in the (Continued on Page 6)

FOR RADIO DEALERS

Radio retailing in the larger centers has developed almost in direct proportion to the amount of advertising done by the retailers in any community.

Manufacturers using national magazines and newspaper lists covering the country add their arguments to the advertising of the retailer, all tending to drive home the advantages of radio set ownership to the man on the street.

The public has been sold on the possibilities of radio. The public has been sold on the advantages of radio. They have been taught not to expect loud speaker volume on crystal sets, and they have recovered from their fright at static, or at some new invention making all other sets obsolete.

The public wants radio. The public is buying radio apparatus, radio parts and radio sets. More than twenty national advertising campaigns are being started in the month of June to build up a summer sales demand, more than a thousand jobbers of radio apparatus are having their salesman point out this advertising to the retailers so that the retailer can take advantage of the opportunities.

Every radio retailer owes it to himself to advertise during the summer months. Not only in newspapers, or in posters, or direct by mail, but by a combination of these methods, by window displays, by word of mouth, by signs at the local campaign grounds, by every method at the command of the retailer.

Advertising is building the radio industry up at such a rapid pace that even advertising men are astonished. Advertising will build your own business, too.

The band wagon is started—all aboard the advertising car.

—(From The Radio Dealer)

The Cleveland, O., Radio Dealers' association has decided to take a hand in the task of locating the sources of buzzing and rattling noises which have so annoyed Clevelanders at various times in the past few months. The association has requested its executive board to take the matter in hand. This is a move in the right direction.

The dealers' association, working in close touch with the companies distributing current for light and power and with the Cleveland Radio association, should be able to accomplish much. It is expected that the two associations mentioned will hold a joint meeting of their executive boards and work out details. With two such organizations working on the interference problem, listeners may feel encouraged at the prospects.

Final arrangements have just been made for the world's first Annual International Radio Show which is to open at Madison Square Garden on Monday, September 22 and continue until Sunday night, September 28. U. J. Herrmann and James F. Kerr, theatrical managers who conducted the Chicago Radio Show, will be managing-director and general manager respectively. There will also be an Advisory Board made up of E. B. Mallory, chairman of the Radio Division of the Associated Manufacturers of Electrical Supplies, Paul B. Klugh, Executive Secretary of the National Association of Broadcasters and Calvin Harris, in charge of publicity.

FORMICA

Wherever you go Formica is the best known, best liked and most widely used insulation for radio purposes. Whatever the type of circuit Formica panels and tubes are essential. Formica is used and sold by The Crosley Radio Corporation.

The Formica Insulation Co.
Spring Grove Avenue,
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.

Quaker City Police Stations and Autos To Have Radio Sets

Transmitter In City Hall To Be Used In Instructing Officers In Pursuit of Bandits.

Philadelphia, Penna.—All police stations and automobiles of the Police Department soon will be equipped with radio sets, it was announced by Director Smedley D. Butler, following tests with portable receivers installed in the Director's and Assistant Director Elliott's automobiles.

Installations will be made after a series of tests to determine which type of receiver is best suited for the work.

The first test, made with four-tube receivers installed in the cars of the Director and his assistant, disclosed certain "dead spots" in the center of the city. The experiments will be of value to the radio public generally, for the tests ultimately will show fans just what type of receivers work well in automobiles.

When the two cars left City Hall courtyard it was found that the iron structure of the Municipal building affected the reception and it was necessary to use a straight wire thrown over the tonneau to prevent fading of signals.

Although the signals received from Philadelphia stations broadcasting special test programs did not fade entirely in certain parts of the center of the city, their volume was decreased greatly when the cars were driven past steel buildings.

Buildings four or five stories tall did not affect the reception greatly. Another peculiar thing was that the Reading Terminal did not reduce the signals, despite the fact that the building has a steel framework.

Still another interesting point in the experiments was that the ignition system of the automobiles did not appear to interfere with the reception.

U. P. Leclair, of the Bureau of Engineers, U. S. N., with Frank E. Maize, Chief of the Electrical Bureau, and William Gault, Manager of the Electric Bureau, installed the sets and made the tests.

It is planned, with the \$30,000 appropriation made by Council for the purpose to erect upon City Hall tower a large radio transmitter. Sending on a 175 meter wave length this set will be used to instruct cars cruising for bandits.

EXTRAVAGANT ECONOMY.

First Director: This is Mr. Smith, the great efficiency expert. He's going to save us \$20,000 a year.

Second Director: What's his salary going to be?

First Director: \$25,000 a year.

EVERY OWNER A BOOSTER!

Read What They Say About ~~CROSLY~~ Better---Cost Less

RADIO RECEIVERS

Here is a letter from J. F. Leach, of Logan, Ohio, regarding the Crosley Model 51, which was attached to a sworn affidavit. The letter follows:

"Enclosed please find affidavit regarding the receiving efficiency of my Crosley Model 51. I have but \$45 invested in this set, which includes \$18.50 for the set itself, and I get the same results my friends do on sets costing \$150.00 to \$200.00. My set is complete with the Brandes Loud Speaker. It truly is wonderful how The Crosley Radio Corporation can turn out a set of this nature at this low price."

His affidavit follows:

"The State of Ohio, Hocking County, ss.

"Before me, A. H. Brooks, a Notary Public, in and for said county, appeared J. F. Leach, who, being duly sworn, says that he owns a Crosley Radio Set, Model 51, with which he has heard sixty-five (65) broadcasting stations in the United States, one in Canada and one in Havana, Cuba, on a loud speaker. This set is operated on a storage battery with 100 feet of aerial at an elevation of 35 feet.

"I swear that this is a true and correct statement.

"Signed, J. F. Leach.

"Sworn to and subscribed before me this seventh day of March, 1924.

"A. H. Brooks, Notary Public."

And another letter comes from Guthrie, Oklahoma, as follows:

"The Crosley Radio Corporation,
"Cincinnati, Ohio.

"Dear Sirs:

"Here is a list of stations that were brought in March 7, 1924, on a Crosley Model 51 in front of about twenty people.

"Kansas City, Kansas; Omaha, Neb.; two stations in Pittsburg; Oak Park, Ill.; Davenport, Iowa; Memphis, Tenn.; Jefferson City; Schenectady, N. Y.; Dallas, Tex.; Atlanta, Ga.; Chicago, Ill.; Vera Cruz, Old Mex.; Macon, Ga., and Los Angeles.

"The set surely goes out and gets them. I can get the sworn statement from the owner of this set as well as five or six visitors who happened to be in the store at the time, if you should so desire it.

"Yours very truly,

"Laurin L. Fortna.

"Address of Vernon Lyons is Guthrie, Okla., c-o Eagle Drug Store."

Above are but a few of the thousands of similar letters we have on file, not only from owners of the Type V and Model 51, but from owners of all the various Crosley receivers.

The Type V is a one tube Armstrong regenerative receiver, made under Armstrong U. S. Patent No. 1,113,149, and it is known in every city in the United States for its wonderful performances. The Type V has been referred to many times by owners as "The Little Wonder."

Price of the Type V is but \$16.00.

The Model 51 is a two tube regenerative receiver, also manufactured under Armstrong U. S. Patent No. 1,113,149. It is the same as the Type V except it has one stage of audio frequency amplification, which permits the operation of a loud speaker when listening to local stations and to distant stations under fair atmospheric conditions. This is the best selling two tube set on the market to-day.

Price of the Model 51 is but \$18.50.

The popular Crosley Model XJ and the new Super XJ are in great demand everywhere. They are four

March 26th, 1924.
The Crosley Radio Corporation,
Cincinnati, Ohio.

Gentlemen:
I have been anxious to write to you for some time and express my appreciation to your Company for the wonderful entertainment I have had from one of your Type V Single Tube Regenerative Receivers and one of your Type 2-B two-stage amplifiers.

I am located in the Lower Rio Grande Valley of Texas, on the Mexican Border, "The natural home of the grape fruit," in the very southern tip of the United States. We are 350 miles from the nearest broadcasting station of any size, San Antonio and Houston, although we have a small 10 watt station in the Valley, San Benito, KFLU.

In the first place, I bought one of your Type V Receivers and consistently received Schenectady, Chicago, Los Angeles, Oakland, New York City, Kansas City, Omaha, Dallas, Houston, San Antonio, and Fort Worth.

Later on in January I bought one of the Ace Type 2-B two-stage amplifiers and have consistently received stations from every part of the United States, Cuba, Canada and Mexico. Besides the above I have heard Havana, Cuba (3 stations); Tuluca, Cuba; Calgary, Alberta, Canada; London, Ontario, Canada; Troy, N. Y.; Los Angeles (5 stations); Chicago (5 stations); New York City (5 stations); Springfield, Mass.; Medford Hillside, Mass.; San Francisco, Calif.; Portland, Ore.; Tacoma, Wash.; State College, New Mex.; Roswell, New Mex.; Boise City, Idaho; Mexico City, (3 stations, CYL, CYB, CYX); Miami, Fla.; Atlanta, Ga.; Montgomery, Auburn and Birmingham, Ala.; Alexandria, La.; Dallas, (3 stations); Fort Worth, Houston, (2 stations); Port Arthur, El Paso, San Antonio, (2 stations); Galveston, College Station, Austin, Waco, Corsicana, Beeville, (Amateur Radiophone); Dublin, (Amateur Radiophone); all in Texas; Towanda, Anthony, Peabody and Milford, Kans.; Chickasha, Oklahoma City, Norman and Okmulgee, Oklahoma; Fayetteville, Fort Smith and Little Rock, Ark.; Davenport, Iowa City and Shenandoah, Iowa; Grand Forks, N. Dak.; Minneapolis, Minn.; Kansas City, (3 stations); St. Louis, (2 stations); Independence, Mo.; Hastings and Omaha (2 stations), Neb.; Brookville, Ind.; Elgin, Ill.; Washington, D. C.; Pittsburg and East Pittsburg, Pa.; Louisville, Ky.; Syracuse, New York and Cleveland, Ohio (3 stations), Cincinnati (2 stations).

I am on the air every night in the week, every week in the month and every month in the year. I hear WLW whenever you are broadcasting and wish to say that your programs surely measure up to the standard of the best. I keep a log and can prove all my statements. Let me state that the Crosley is as good as the best. Would appreciate your latest literature.

Very truly yours,

C. B. Shumaker,
Secretary Manager,
Alamo Chamber of Commerce,
Alamo, Texas.

tube receivers, with features found in few other sets. They are exceptionally efficient long range radio sets, are easy to tune and are priced right.

Price of the Model XJ is \$55.00.

Price of the Super XJ is \$65.00.

The Crosley Models VI and Super Six are the same as the Models XJ and Super XJ except there is no audio frequency amplifier. However the Crosley two stage amplifier may be added to the sets, and the combined units will be the same as the larger receivers.

Price of the Model VI is \$24.00.

Price of the Super Six is \$29.00.

The price of the famous Crosley 3B recently was cut to \$42.00. This is a wonderful Armstrong regenerative receiver with two stages of audio frequency amplification. It is an ideal loud speaker set and brings in all powerful stations in the United States.

The Crosley line is being handled by thousands of dealers. In case the one nearest to you does not carry this, send his name to us. We will be glad to send a catalog to you. Also a copy of the Simplicity of Radio.

THE CROSLY RADIO CORPORATION

200 ALFRED STREET

POWEL CROSLY, JR., President

CINCINNATI, O.

Broadcasters' Views On Music Problems Bared By McDonald

(Continued from Page 3)

that a third license fee must be paid. Worse still, when a radio receiving set is installed at a soda fountain in the small town by means of which the radio waves are trans-

The attitude of the society is that when music is bought in the first place, the copyright fee included in the price is for the privilege of playing that music in private. When the orchestra appears in public to play in a dining room, or motion-picture show, in a dancing academy, the copyright fee is to be paid again.

But that is not all. If, after this formed into music for the entertainment of customers, once again a license tribute must be paid to the society.

The public pays tribute to this group of men every time it purchases a seat in a moving picture house; every time it purchases a meal in a dining room; every time it enters a dancing academy—wherever any of the society's music is used.

Certain churches have desired to broadcast their music, but cannot do so without paying tribute to this society.

Suits have been filed by the society against the Drake Hotel, Chicago Board of Trade Station and the Radio Station of The Crosley Radio Corporation, of Cincinnati, Ohio, because through error some of the society's music was accidentally broadcast. None of these care to use the society's music, because the broadcasters have a good supply of excellent music.

The members of the National Association of Broadcasters avoid paying the exorbitant tribute by using only the tax-free music of independent publishers released or approved by the music release bureau. They and the public are well satisfied with the tax-free music, which boasts some of the most successful hits of the day such as "Dream Daddy," "Marcheta," "Sunshine of Mine," and "London Bridge."

It would be just as reasonable for a theatrical producer to come with a new show to the City of Chicago and then say to the newspapers, "If you give my show any publicity, or if you publish the pictures of my artists, you must pay me," as it is for any publisher to ask the broadcasters to pay tribute to them for advertising and popularizing their music. It is a well-known and accepted fact that almost any tune with a natural swing, if played enough, will become popular. Radio is the greatest popularizer, for it reaches the ears of more people, and more often, than is possible by any other means.

Why, then, does this group want

to charge the broadcasters for using their music? Simply because radio gives the small, independent publisher the same opportunity to popularize his music over the radio, as it does the large, wealthy publisher, who formerly had the advantage because of the funds available to him to pay for the so-called "plugging," and other methods of advertising and placing music before the public.

Mills, for the society, compares the broadcaster with the phonograph record maker and the music roll manufacturer. Not a fair comparison, because the record or roll manufacturer waits until the selection shows signs of popularity before he will record it, whereas the radio broadcaster first sends the music through the Bureau of Music Release to be sorted and then places its selection before the public for its judgment. Thus the independent, small publisher, will have an equal chance with the next and he will be favored if his productions have merit. Never before has he had the opportunity to compete with the organized group.

The broadcasters are in favor of protecting the man who has the mental gift of producing music. He deserves protection. The public is sometimes misled by the society's music being referred to as copyrighted music. The music of the independents is copyrighted exactly the same as the music owned by the society. While this so-called Society of American Composers, Authors and Publishers, as an organization, has collected millions for

Disregard Comment About Unpleasant Summer Reception

(Continued from Page 4)

summer time are legion! They are more varied and greater in number than they are in the winter! Radio sets may be installed in canoes, fishing boats, launches, yachts, power boats—in fact, in almost anything and everything that navigates the waters of a river, lake, pond or ocean!

Why not use radio and the loud-speaker to stage a nice little "asphalt dance" in front of your own home, if you intend staying in the city for the summer or at least until you move "out into the open?" Or you can easily stage a dance right in your own back yard, if you have one, or in the little old front parlor! Surely you danced in that parlor during the summer to the tune of dances played by the phonograph! Why not to music from the radio?

The local stations will furnish you with radio entertainment during the entire summer. The air will be full of things that will make you forget the heat and the dust

the public performance rights of music, the broadcasters invite them to open their books and show what a small percentage of the fabulous sums collected have actually reached the the pocketbooks of the author or the composer who are responsible for the music—the originator of it.

That the members of this organized group are not in accord with the action of their officers, is evidenced by a letter directed to the National Association of Broadcasters by Henry Waterson, president of Waterson, Berlin & Snyder Company, known as one of the "big six," in which Waterson frankly states that while they are members of the American Society, "we are not in sympathy with their program in so far as it has for its purpose the collection of money in any form from broadcasting stations, hotels, or moving picture theaters, for the privilege of playing our copyrighted music.

"It is our intention at the earliest feasible time to resign from this organization so that our copyrighted music may be performed publicly without payment of any licenses, of any fees, or taxes, of any nature whatsoever."

There is pending in Congress, a measure known as the Dill Bill which gives to broadcasters permission to play this copyrighted music without payment of fees. You who agree with the broadcasters can assist by sending to your Congressmen and Senators an appeal that they vote for the bill.

and the perspiration and the general cussedness of things, and maybe, best of all, yourself! The person who has attained to that degree of happiness sure knows what happiness is!

So, folks, when some one hollers "Static!" at you and then looks to see if your hair is standing on end and if you have begun shaking camphor balls out over the little old radio receiving set, there's just one thing to do.

Put on the ear-phones or turn on the loud-speaker and just sit back and smile—and, let 'im rave! Let 'im rave! He's missing—but you're not.

Static! Static! Why, last summer thousands of fans in and around Philadelphia, and even in neighboring States, heard broadcasts from local stations, even while furious thunderstorms were in progress! The broadcasts rode right through the storm!

Danger from lightning? Absurd! After talking with many radio engineers and radio experts and fire-insurance underwriters and after reading many newspaper and magazine articles, I am more convinced than ever that a building equipped with a properly installed radio aerial and ground system is better protected against lightning than a

Babel Tower Story Is Cited By Officer In Address On Radio

Communication Between Individuals, As Well As Nations, Is Essential, Yale Students Are Told.

One of the first lectures before the students of the Sheffield Scientific School in Yale's communication course, was on "Naval, National and International communications," delivered by Commander D. C. Bingham, U. S. N., assistant chief of Naval Communications. The lecture was one of a course established by the electrical department for graduate and advance students.

Commander Bingham opened his talk with a Biblical reference to the days when "The whole earth was of one language and one speech," following with the story of the stopping of construction of the Tower to Babel by the confusion of speech. This, he said, indicated that communication between individuals, as well as nations, was essential to any progress. A "Babel" of speech always renders communication and work impossible. People are dependent upon communication, he explained, pointing out that today with the wide use of radio broadcasts, we may be returning to one universal language.

Referring to the problems confronting a commander-in-chief in war, he said that Naval officers likened them to those of diplomats and lawyers opposing each other. In all cases the parties opposed must meet and overcome the efforts of the others whose resources, intentions and strength are unknown. To do this, information is necessary, and this information is only secured through communications. Financial interests are continually striving through communication fa-

(Continued on Page 8)

building which has no such equipment.

As a matter of fact, I know of but two cases of an aerial being struck by lightning. And in each case the aerial installation and the receiving-set installation within the building were both faulty. There are no records, so far as I have been able to discover, that any person has ever lost his or her life by lightning because of radio.

Lightning. Static. Forget them! Be a reasonable, sensible human being. If you have enjoyed radio this winter, you can enjoy it equally as well or to an even greater degree this summer. If you doubt it, prove it to yourself this summer.

The decision rests with you.

—(From Philadelphia Ledger)

ASK YOUR DEALER TO SHOW YOU

THE

\$65.00 -- CROSLEY TRIRDYN -- \$65.00



A NNOUNCEMENT of the Crosley Trirdyn a few weeks ago was followed by a flood of orders heretofore unequalled in the history of radio. Trial sets had been sent to a number of distributors throughout the country, and each was tested under the most trying atmospheric conditions. But the results given by the new receivers were so wonderful that the Trirdyn at once was voted the best selling receiving set ever offered. Orders started coming in almost immediately and they are piling in now. Our production department prepared, however, for a huge demand, and is filling all orders promptly.

Crosley engineers have been working on the Trirdyn more than a year but announcement of it has been withheld until it was felt that it was perfect in every way.

This new receiver 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.

The selectivity of the TRIRDYN is almost uncanny. KDKA, only seventeen meters off our local broadcasting station, can readily be tuned-in in Cincinnati, through what would otherwise be local interference.

One of our testers, located across the street from our factory and practically under the WLW antenna, is able to tune in Ft. Worth, Omaha, and other longer wave broadcasting stations through WLW.

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. Excellent results have been obtained without any antenna, using only a ground wire connected to the antenna binding post.

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.

It is possible that a different type of cabinet will be provided later at a price of \$75.00.

We are now in quantity production on the TRIRDYN and advise distributors and dealers to send in their orders immediately.

THE CROSLEY RADIO CORPORATION

POWEL CROSLEY, JR., President

Formerly The Precision Equipment Company and Crosley Manufacturing Company
CINCINNATI, OHIO

Oklahoma Deaf Mute Hears Radio Concert; Youth Is Entranced

Twenty-Five Years Of Silence Suffered Before Receiving Set Brings Joy to Westerner.

Judson Hendryx, an Ada, Oklahoma, deaf-mute, enjoys a good radio concert.

Flitting over thousands of miles of space, voices and musical sounds have performed a miracle that gives this Ada youth his first audible impression since infancy or in his lifetime of memory.

For thousands a number of worthy radio concerts brought joy to followers of this latest bewitchery of inventors Friday night, but to Hendryx the clear vibrations came as a clap of thunder out of the deep abyss of 25 years of silence to give him his first impression of the wonder of the God-given freedom of hearing.

Sensitive to the inner cells of the ear drum and massaging the dead muscles of the hearing region, the wonders of radio have led to joy of hearing for this lad who has lived in silence for 25 years.

At the home of Belton Brady, head phones were placed over the ears of young Hendryx last Friday night after Brady had heard of the effect of radio on the ear drum of deaf-mutes, whose ear drums were in any way sensitive to sound.

For the first half hour the lad sat silently and gave no evidence of the effect of the wave vibrations to his ears but before an hour had passed he was writhing in the wonderful revelation he had receiving through the head phones, scratching off a pad the startling fact that he heard voices, then music.

The lad sat entranced for hours listening to the first sounds to penetrate his ear drum. He described the music he heard over the phones, reveled in a pianist's concert and vividly scratched off his impression of the sound of voices, which were a mystery to him because of his long years of silence.

In explaining the sounds coming to him over space, he scratched off on the ever-ready pad that the piano numbers were the most pleasing to him. He could distinguish the jazzy selections from the clear and distinct notes of a piano and reveled in the mysterious sounds evolving from the announcements from time to time.

Young Hendryx explained, via the pad, that he could not hear any noise for the first half hour of the experiment but that he could feel the vibration in the head phones on his ear drum. He wrote that the first sound came barely audible through his left ear and that the sound volume increased gradually

until his right ear came in about an hour and a half after he first put the head phones on. Through the last half hour of the experiment, Hendryx wrote that he could hear the sound distinctly.

Saturday Hendryx explained, via the pad, that the muscles of his ear were restless and that they were a bit strained, a peculiar sensation he had never known before.

He expressed an anxiety to put on the head phones again and wrestle with the sounds coming from the distant spaces through the radio.

Brady, who first conceived the experiment, declared Saturday that he would repeat it and under steady care attempt to restore partially at least Hendryx's hearing under ordinary circumstances.

Hendryx lost his sense of hearing in infancy after a long illness and does not remember hearing in his lifetime. He has been a student at Oklahoma School for Deaf at Sulphur and a resident of Ada for several years.

Babel Tower Story Is Cited By Officer In Address On Radio

(Continued from Page 6)

cilities to gather all the information available on the money market, he explained, and a similar method is employed by armies and fleets.

In the days of wooden fleets and short-range guns, an entire engagement could be fought under the eye of the commander-in-chief, whereas, today, with hundreds of ships in the air, on the surface and beneath the sea, the commander sees comparatively little, and, with smoke screens, he may not be able to see any of his units. "Thus victory may easily and probably will fall to him who has the better communications," he explained. A communication center is, of course, necessary, he added. The battleship Colorado could be considered as that center. Her present radio equipment can handle eight incoming radio communications and transmit four at the same time. Radio photography, he declared, has vast potentialities for the commander-in-chief, who could receive from aircraft hovering over 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

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The New York Stock Exchange
The Cincinnati Stock Exchange
Telephone Main 567

326 Walnut Street

friendly and enemy forces, a moving picture of what was taking place in each part of the battle.

The Navy recognized the value of radio in 1899, when Marconi came to New York with three radio sets to aid in reporting the Yacht races between the Shamrock and the Columbia, the speaker recalled. Four Naval officers observed the operation of the sets, and a short time later the battleship Massachusetts, the cruiser New York, and the torpedo boat Porter were placed at the disposal of Mr. Marconi and an experimental shore station was established at Highland Lights.

Today the Navy's communication system represents an investment of \$15,000,000 and includes nine high-powered, long range stations, together with 71 medium and low powered stations, and 45 compass stations, operated by 70 officers and 1167 men.

Washington, Commander Bingham said, was the center of all governmental radio in this country. From there, the President could be in constant touch with all functions naval, military and diplomatic. The functions of Army and Navy communication services have been outlined as follows, he stated:

The Navy's interest is essentially with ships at sea, overseas communications and with our possessions and the Canal, and along the coasts. The Army, through the Signal Corps, maintains communication between military units in the interior of the country and in Alaska, and with such forces of the Army as may operate outside the continental United States.

Under the national phase of communications, the Commander mentioned the importance of daily communications on which time, news, foreign events, diplomacy, and many things depended. Our outstanding national policy, never definitely declared, he believes is the

desire of the people for the maximum of service rendered by private interests at a minimum cost to the consumer, with just and reasonable compensation to interests rendering the service. Citing Henry Clay and General Grant, as advocating government ownership of telegraphs, he indicated that, in the interests of the public, radio might better serve if operated by the Government along with the Postal Service.

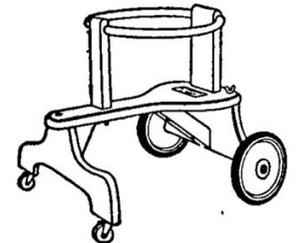
Internationally the United States stands for a "Square Deal" in communications, he explained; one according opportunities to other nationals who come to our shores to engage in legitimate business, and demanding the same abroad for our nationals. Many conferences have been held in the interests of radio communications since the first at Berlin in 1903, and in this hemisphere, we are on the eve of a Pan-American Conference of Electrical Communications, having in view also another International Conference in Paris in the near future, Commander Bingham declared.

"A new era, with regard to our understanding of the dependence of communications has been brought about through recent advances in radio art," he concluded.

Great Britain has 580,000 broadcasting listeners compared with 30,000 a year ago.

Life of a vacuum tube is from 1,000 to 3,000 burning hours.

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 Vandalla St. Cincinnati, O.

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.