

Ballot for Favorite Radio Program

Radio Digest

TWICE
A MONTH

PROGRAMS
Illustrated

FIFTEEN
CENTS

SECOND APRIL NUMBER, 1937

Copyright 1937 by
Digest Publishing Co.

Title Reg. U. S.
Pat. Off. &
Dom. of Canada

Vol. XXI No. 1



New Gold Cup Candidates; Radio Commission Hearings Fail; Listeners Vote Ideal Program; WAAM in Big Air Relay; KPSN for Culture: Torch of Youth, Fiction; March Prizes Awarded

No. 4 OFFICIAL BALLOT

Announcers' Contest

RADIO DIGEST FOURTH ANNUAL GOLD CUP AWARD

GOLD CUP AWARD Editor, Radio Digest,
510 North Dearborn Street, Chicago, Ill.

Please credit this ballot to:

..... of Station.....
 (Announcer's Name) (Call Letters)
 Signed.....
 Address.....
 City..... State.....

50 NEW ANNOUNCERS UP FOR TROPHY CUP

FIND IRON VISAGED MIKE HIDES TENDER HEART

Friends Hoarding Ballots for Extra Bonus—Dee Has Three Favorites—Can't Decide

By the Gold Cup Editor

Announcers, take courage, there's a true and loving heart in the breast of the cold and expressionless mike.

If you don't believe it, come to the office of the Radio Digest and behold the heaps of mail from admiring friends who are sending in nominations and ballots for their favorite announcers.

From the appearance of things every announcer in America is a favorite to someone. Still, it seems, there are a few who have been unintentionally overlooked. The Gold Cup Editor does not believe there is an announcer whose name would not be registered unless it so happened that some of his friends have left it to other friends to make the nomination.

But it's a kind old world after all. Way out there in the cold void beyond the hum of the wind that sweeps through the wires of the antenna they think and care for you. It's comforting to have that feeling. They are even devoted enough to back you against all the other announcers in the world. They are going to try to help you be the world's most popular announcer.

See how unanimous runs the thought. Without any sorting whatever we pick up two letters and quote them to you verbatim and you are probably five or six hundred miles apart. The first on the pile is from Hattie E. Smith, Tolono, Ill. She says: "I wish to nominate in the announcer contest John Reed Tyson, WGN." The second letter is from Herba Sherman, Pipestone, Minn. She says: "I wish to nominate Lester Palmer of Station WOW, Omaha, for the announcer's contest."

Make Ballots Count

Now, here's something we must remember, friends of the announcers. Your ballots count most if you bunch them. Don't forget about the bonuses. Just to remind you, we are going to give you that part of the rules again, right here:

For each three consecutively numbered ballots sent in at one time, a bonus of seven votes will be allowed.

For each six consecutively numbered ballots, a bonus of nineteen votes, etc.

For each nine consecutively numbered ballots, a bonus of thirty-one votes, etc.

For each twelve consecutively numbered ballots, a bonus of forty-three votes, etc.

For a complete series of the consecutively numbered ballots sent in at one time, a bonus of fifty-six votes will be allowed.

At the time this report is written 50 new names have been nominated in addition to the 64 published in the last issue of Radio Digest. Here are the new ones:

- F. O. Adams, KFH
- Earl Baez, KFBI
- Norman Baker, KNTN
- L. J. Barries, WCY
- Herbert Berger, KMOX
- Robt. D. Boniel, WEBB
- Bobby Brown, WGES
- H. A. Bruno, WELI
- W. Calhoun, WFAA
- John T. Carter, WDDD
- D. R. P. Cash, CKY
- Alvin Clark, WFIV
- E. E. Chagnell, WFBL
- John B. Daniel, WJZ
- P. D. Daniels, KPCC
- D. D. Denver, KFXB
- D. D. Denver, KEKB
- J. H. Dewey, WCB
- Kenneth Fickett, WGR
- Charles Garland, WBBM
- Peter Garvin, WOL
- Bobby Goodlin, WHO
- Chester Gaspard, WTAG
- Paul Greene, WJAI
- Ralph Haberton, WLW
- Colin Hager, WGY
- Fred J. Hart, KQW
- Alvin E. Hauser, WSOM
- Burt Hooper, GKXJ
- Rev. H. Hohenstein, KFUO
- Jesse Jay, WIOD
- Richard Janny, WCAE
- Jack Keele, WSM
- Frank S. Lane, KVOO
- A. Lange, KFJO
- Gordon W. McClain, CFCA
- Howard Martin, KOIL
- S. A. Mewley, CJRM
- Paul Neigh, WWVA
- D. D. Richards, WLG
- Frederick Rogers, KDKA
- Chas. A. Seane, WEAT
- Mrs. W. C. Sears, WBBM
- Eddie Squires, WSAX
- Karl Stefan, WJAG
- Hob. E. Turner, KFKX
- C. D. Tomp, WCX
- Paul Turner, KBJJ
- Jack Whitney, WHO
- A. C. Woolfries, WOI

MISS NOT THIS SWISS MISS, SINGER MISSED

DID you miss your Swiss miss as you opened your Radio Digest just now? Don't miss her, she's the sweetest thing that's been on our cover for some time. But you miss your miss if you think this miss is Swiss, because she isn't. She's just a dear little American girl by the name of Vivian Hall. And those whatchamacallums on her head and sleeves are part of the Swiss costume she wears in the skit "An Alpine Romance." Right now she is being heard over WMAQ, WEBB, WJJD and other broadcasting stations that pick up the Publix stage productions from the various Balaban & Katz theaters. This little miss has often been in Switzerland with her parents, but she yodels not. "Swiss love to sing in their native settings," she explains, "where echoes add to the haunting beauty of their national music, but they save most of their yodeling for foreign ears." So, bang goes another illusion!

QUARREL OVER DX ENDS IN KILLING

Husband Shoots Wife Who Spoils His Dials, Set for Distance

ST. LOUIS, Mo.—The deadly DX claimed its first fatality in America here the night of April 3 when Mrs. Eleanor Huber, 26, was shot and killed by her husband, Fred Huber, 30 years old.

Instead of going out for the evening, the Hubers had decided to remain at home and listen to the offerings of their Radio. All started well and both were happy until Huber conceived that the weather conditions were good for trying distant stations. Mrs. Huber had her heart set on a program announced by a local station.

Huber sat at the dials and after long and continued manipulation broke through a fog of interference and brought in a station, which from its location on the dials he believed to be coming from the Pacific coast. While waiting for the announcer's verification through the call letters, Mrs. Huber is said to have suddenly given the dials a twist that lost the station.

Instantly Huber flew into a seething rage. Bitter words were exchanged. Livid with anger the man finally rushed for a revolver, seized it and turned it on his wife with a shot that caused her death a few moments later.

He was arrested and will stand trial for murder.

France Regulates Air

PARIS.—Under a new system of control, all Radio stations in France are to be put under the general administration of the post, telegraph and telephone service and the Ministry of the Interior. No Radio establishment for sending or receiving signals can function except in accord with the new regulations. A commission of 44 members is to advise on all subjects covered by the decree or delegated to them by the ministers.

One of the objects announced by the report of the President of the Republic is to set up a greater government control in order to establish a coherent, rational and powerful Radio system which can combat foreign propaganda through the dissemination of French ideas and civilization.

SHORT WAVES

By Marcella

Spring Fever Hits Radio Stars; Marcella Has Revenge; Billie Allen Hoff Only Pocket Edition; Collegiate Bernice Altstock of KGW; Chappell Leaves WFBL; Phillips Carlin Gets New Job; Romantic Norm Sherr; Marcella Fans Page Bobby Griffin; Mrs. "Bill" in California; Find Some Work for William Fay; All About the Blond Announcer of WDAF; WGN's Tyson.

SPRING fever! Ach, yes—undt a coad lid da haid! You know how it is, yes? Anyway, here's news. The Eiffel Tower of Radio is back—and he's TOWERING! More'n ever, my dears. Many a plaintive wail has come to your Marcella about this Lew Ferris, otherwise known as the Eiffel Tower of Radio. Where Oh WHERRE and what oh what had become of him? He and the "Little Pink Wife" are motoring overland from station to station and expect to cover most of the United States and Canada for a world's record of broadcasting from the greatest number of stations. Thank's, I'd sure like to jine you, Eiffel—but business is business and—

John Clark, late of the late WSWS, has perched himself at the KYW mike and thereby hangs a tale that gives your purveyor of studio gossip a tweak of sweet revenge. Ah ha, the villain shouted—and not so long ago one Mattson, otherwise known as "Matty" at KYW made certain scurrilous insinuations as to the gender of the conductor of this column. So happens it that our friend Mr. Clark has taken a fond notion for Matty's particular Sunday best girl and Matty's got the blues. Gr-rrr-rr! I bet he's sorry now!

Quoth he, however, "but you should see our new one. Her name is Billie Allen Hoff, vest pocket size, 95 pounds; four feet, six inches tall and as sweet as a sugar plum. We took her from WJAZ." Only thing about Billie, though, she has a big grown-up husband and there's no foolin' with this diminutive dainty of Radioland. Yes, she sings those weepy blues.

Guess I must have pulled a fox paw, because E. H. B. writes, "I nearly died when you called Carl Menzer of WSUI a 'Bashful college boy.' And did the students at Iowa state get a kick from that? I'll say they did! Mr. Menzer is a young man, but, girl, he is the brains of that station. As I understand it, he played a leading role in the building of WSUI, and Carl Menzer sure does get my votes in the announcers' Gold Cup Contest." But I won't apologize for anything I said after seeing his picture, so there!

No wonder Bernice Altstock of KGW seemed collegiate to you, George. She has not been out of college very long and she still has that bappy-go-lucky feeling about her. She learned to sing in the campus serenades. Don't you think she has a lovely voice? And personality! She just oozes with it and is more fun. But even though she has a large fan following and is good looking she is one of the most reliable and hard working artists on the staff. She is good looking but anything but dumb. Now I just don't believe that good looking girls are dumb, do you girls? What ideas men have.

Who was it asked me about Ernest Chappell? Well, any way he's another one of those persons who feels the spring urge. He's leaving WFBL, Syracuse. Uh huh! he's going to WHAM, Rochester and take charge of things there. Did you realize he had been two years at WFBL? Mercy, how time flies! Well, he has and worse yet, he's married. Oh, it's too bad, I just love blonds with blue eyes. Twenty-eight is such a nice age for a man. But he is terribly tall. He's six feet three inches. Golly-gee! How in the world does he get down to the mike? I'll bet he wouldn't be able to see me at all.

No, Phillips Carlin has not had the wandering bug strike him yet. You know what he is called? "The Voice with the Smile Wins." That's just what has happened. He is the new manager of WDAF and he hasn't the time to announce very much any more.

Why call yourself a "Radio Nuisance," my dear. You know just love to read your letters and answer them. Here's what Natalie Giddings, that little publicity girl at WBBM, says about Norm Sherr. "At last WBBM can offer for the delectation of the 'girl friends' an artist who will admit he is not married. In fact he is delighted to insist that he is not married. He is just twenty-one and there is plenty of time for him to 'step off.'" (Continued on page 4)

CONTENTS

Radio Digest, Illustrated, Volume XXI, Number 1, published Chicago, Illinois, April 15, 1927. Published semi-monthly on the first and fifteenth of each month by Radio Digest Publishing Co. (Incorporated), 510 N. Dearborn Street, Chicago, Illinois. Subscription rates yearly, Three Dollars; Foreign Postage One Dollar additional; single copies Fifteen Cents. Entered as second class matter May 3, 1926, at the post office at Chicago, Illinois, under the Act of March 3, 1979. Title Reg. U. S. Patent Office and Dominion of Canada. Copyright 1927 by Radio Digest Publishing Co. All rights reserved.

"All the News of Radio".....	2 to 4
Add 50 New Gold Cup Candidates.....	2
Marcella.....	2
March Whozit Prizes Awarded.....	4
WAAM Relays Pacific Stations for East.....	5
KOA Makes Record Broadcast.....	5
Torch of Youth.....	7
Editorial.....	8
New Accessories.....	9
Directory of Broadcasting Stations, Part II.....	10
Evening at Home.....	11
Advance Programs.....	12 to 22

Looking Ahead

A Real Pioneer of the Wild and Woolly Days of the West writes a touching letter of awakened memoirs from hearing Denver pioneer program, soon.

Mallory, the Traffic Cop at WCCO tells a snappy story for Radio Audiences and it will be illustrated with picture showing Mallory giving Mike a piece of advice, in the next issue.

Lady Pink Philosophy and Theories arrive at a crisis when confronted with the unrestricted freedom permitted at the new pleasure resort of Eden Grove. In Torch of Youth May 1 Radio Digest.

Interference Problems from a New Angle will be seen in an early number of Radio Digest.

Special articles about broadcasting stations and artists, with photographs, and NON-RADIO fiction 5,000, 10,000 and 30,000 words in length are desired. No manuscripts accepted unless typewritten and prepaid, or returned without return postage being included. All manuscripts are sent at owner's risk.

Newsstands Don't Always Have One Left

WHEN YOU WANT

Radio Digest

YOU WANT IT!

BE SURE OF YOUR REGULAR COPY BY SUBSCRIBING NOW

SEND IN THE BLANK TODAY

Publisher Radio Digest, 510 North Dearborn St., Chicago, Illinois.

Please find enclosed check M. O. for Three Dollars (Four Dollars) for One Year's Subscription to Radio Digest, Illustrated.

Name.....
 Address.....
 City..... State.....



NAME YOUR CHOICE IN BROADCAST?

COMMISSION HEARS ONLY "NO, DONT!"

PUBLIC HEARINGS BEAR NO PRACTICAL RESULTS

Every Phase Discussed by Experts But Each Suggestion Encounters Vigorous Opposition

By L. M. Lamm

Staff Correspondent Radio Digest

WASHINGTON, D. C.—Members of the Federal Radio Commission expressed regret at the end of the four days of public hearings that no practical suggestion had been made for immediate relief of the chaotic conditions by any of the numerous persons who had made an appearance.

The first suggestion that the broadcast band be widened met with a storm of protest. The same fate followed the proposal to decrease the separation between frequencies. It also was declared impractical to shift locations of various frequencies to avoid second harmonics and there was no agreement whatever as to what could be done in regard to a division of time.

What about limitation of power? The answer was emphatic that the commission should make no arbitrary ruling in this regard. However, it was indicated that a power curb should be put on certain so-called "local stations." Hedged in by these negative demands the final inference seemed to be that some stations should be regulated as to a time schedule when they could broadcast or that there should be a material reduction to the number of stations permitted to have licenses.

200 "Expert Witnesses"

Some two hundred of the "best minds" of the radio manufacturers, broadcasters, and listeners assembled in this city on March 29 and for four days told the recently organized Federal Radio Commission what they thought of the various problems presented.

The subjects on which there was more or less discussion included: widening the broadcasting band, limitation of power, reducing frequency separation, simultaneous broadcasting with the same frequency, chain broadcasting, division of time, consolidation of broadcasting service, limiting the number of stations and a general discussion. Each one of these subjects was discussed from the various viewpoints of the different interests until the commission certainly must have a good cross section of the best thought on these subjects.

Iowa League Represented

From the standpoint of the readers of Radio Digest, Francis St. Austell, of Des Moines, Iowa, president of the Iowa Radio Listeners' League gave one of the most interesting talks, because he was apparently the only representative of the listeners. He claimed that he represented 452,000 listeners, because, he said, that was the number of the members of his league.

"The broadcaster at the present time," said Mr. Austell, "has brought about a great deal of confusion for the simple reason that there are so many stations on the air that the ordinary listener, with a \$150 set, is practically incompetent to get anything. From the listener's point of view, out of 733 stations there are about 230 stations that the listener wants."

Advice to Broadcasters

Mr. Austell urged that the broadcasters themselves should get together and forget their "petty jealousies."

"Do you know, gentlemen," he said, "if you broadcasters in this room would get together among yourselves, the work of this commission, and the desires of the listeners, would be easily accomplished."

The hearings of the commission were attended by Senator Watson, of Indiana, chairman of the Senate Committee which had charge of radio legislation when it was in that body for action; Representative Wallace H. White, of Maine, "father" of radio legislation in the House; Representative Davis, of Tennessee, Democratic member of the House on Merchant Marine; Former Senator L. Lenroot, of Wisconsin and former Representative Frank B. Scott, of Michigan. The last two named were appearing on behalf of clients as counsel.

Many Interests Present

Among some of those who addressed the commission at the hearings were the following: Paul B. Klug, National Association of Broadcasters; Jack Binns, Hazeltine Radio Corporation; R. H. Langley, Crosley Radio Corporation; F. A. Kolster, Federal Telegraph Company; Dr. Alfred N. Goldsmith, National Broadcasting Company; K. B. Warner, American Radio Relay League; C. Francis Jenkins, radio inventor of this city; A. H. Grebe, Grebe Radio Corporation; George D. Stanton, American Railway Association; Lamden Key, Atlanta Journal, Atlanta, Ga. (Continued on page 11)

"MIKE" IS BEST MAN AT WLS WEDDING



"Oh, Promise Me," sighed the WLS pipe organ with vox humana at its tenderest pitch, speaking for Ralph Waldo Emerson, its master. And across the studio came the answer from the piano, "I'll Be Your Only Only," with tender cadences, speaking for its mistress, Elsie Mae Look. So they were married, right there, April 5—"Mike" was best man.

Big Whozit Entry Is A Replica of WSM

An exact replica of the WSM studio at Memphis was one of the most elaborate of the big Whozit entries revealed this week. The interior is shown through lighted windows. Presto! The view through the window changes and you are inside the studio with one of the Whozit artists at the microphone and another at the piano. Another quick change and two more artists automatically appear.

Because of such elaborate and sometimes delicately adjusted devices, time is required to unpack and sort. It is hoped to be able to announce the winners in a short time. Watch Radio Digest.

Station Brings to Life Quebec "Dead Spot"

MONTREAL, Que.—Quebec City, which has been called a "dead spot" in Radio-land, has just been brought to life by the opening of the new broadcasting station CNRQ. It is the eleventh in the chain of broadcasting stations established by the Canadian National railways. It takes the 340.7 meter wave.

In all its broadcasts this station will be connected by telegraph or telephone wire with the studios of the Montreal or Ottawa studios and on special occasion with CNRT at Toronto. Not only are the Canadian lines taking active part in broadcasting but deluxe trains carry receivers.

IN MY PERFECT PROGRAM

I would include or exclude the following items. (Mark ballot and forward to Editor of Radio Digest, 510 N. Dearborn St., Chicago, Ill.)

FEMALE VOICE		Yes	No	MALE VOICE		Yes	No
Soprano				Tenor			
Contralto				Baritone			
Blended Voices				Blended Voices			
Popular Songs				Popular Songs			
Classical Songs				Classical Songs			
ORCHESTRA				FEATURES			
Classical				Religious Service			
Semi-Classical				Household Hints			
Popular Dance				Public Speeches			
Jazz				Sports			
Fiddlers				Educational			

ALSO INCLUDE

NAME

STREET

CITY AND STATE

CONSIDER FEATURES BRINGING MOST JOY

RADIO LISTENERS INVITED TO NAME PREFERENCES

Vote of Fans Will Aid Broadcasters to Choose Most Popular Entertainment

What is YOUR favorite program? When Radio time comes around, what comes into your mind that you want to hear?

If you could write your ideal of a perfect program, what would you include? This information would be worth a great deal to the broadcaster if he only had some way of telling just what the majority of his listeners preferred.

In conducting the station ballots for information for the Federal Radio Commission many readers of the Radio Digest sent letters telling why they preferred certain stations and wanted those stations preserved if the commission should decide to start in pruning.

Do You Like Fiddlers?

In certain communities the old time fiddlers were greatly preferred to the symphony orchestras. In other communities the old time fiddlers were considered a terrible bore and the classical music was declared to be a great boon to certain listeners who never before had been privileged to hear it so frequently and perfectly.

Some persons are always complaining about the soprano while others maintain that a good soprano who knows how to broadcast is about the finest thing to be heard over the air.

With a force of girls counting over the station's ballots and dividing them into states and sections for final tabulation and others dividing the big Whozit prizes, Radio Digest is deep into the tide of expression from its readers.

Expression Is Needed

However the need for an expression for choice of entertainment has seemed to be forced forward so prominently by the letters already received that it has been decided to present a ballot in this issue.

These ballots and surveys are among the most helpful ways by which Radio Digest can voice the wishes of the general public from coast to coast.

Of course it would be impossible to list every specific thing that you sometimes hear over the radio in the way of entertainment on the ballot. But under each classification are left two blank lines, one for you to state the kind of entertainment in that particular division you like best and the kind you can most easily spare.

May Write Letters Too

And if you feel that the ballot does not give you an opportunity to express your complete opinion on the matter, write a letter. You will be doing this not only for the Radio Digest but for the broadcaster who wants to give the public what it wants.

Here is something we can give you returns on in a short time. You will be interested in watching how the folks are voting in different parts of the country. Many of the letters will be published. Sit down and send your ballot right now while you think of it. Are you a jazz fiend or do you thrill at the grand cadenzas of the opera? Are you partial to the voice of the male or the female? Do you like religious services or would you prefer a prize fight?

Everything's In the Ballot

It's all in the ballot—for and against. Speak out and let us know how you feel about it and watch Radio Digest for the result of this great ballot—no prizes are offered, no special enticements but just a genuine desire to find out what the people want in the way of radio entertainment.

Please note the lines above the place for your name where you are asked to indicate any other items not specified in the ballot. If you wish to emphasize any of the things for which you voted "Yes" write it into this space. The ballot is at the left of this column.

COMMISSION ADVISED OF READER'S BALLOT

TABULATION of the big vote cast by readers of Radio Digest for their favorite stations was not complete as this edition went to press. The Federal Radio Commission was formally advised by L. M. Lamm, staff correspondent of Radio Digest at Washington, that the report was in preparation and an acknowledgment of the notice was received from Commissioner H. A. Bellows.

At the last grand total KDKA held the lead and WLS, Chicago, took second place. But less than half of the total votes had been counted at the time.

PARENTS LIKE WTIC MUSIC LESSONS



NEW ENGLAND'S inherent esteem and aspiration for culture and intellectual development is being demonstrated as the result of the musical instruction features recently broadcast by WTIC, Hartford, Conn. Above may be seen some of the young ladies of the WTIC force, sorting and reading letters from delighted parents who endorsed the feature. Plans are under way for expanding the course.

KOA "MIKES" BLAST IN MOUNTAIN BORE

DENVER STATION'S DARING EXPLOIT MARKS EPOCH

Dynamite Explosion That Opens Moffat Tunnel From Arctic to Tropics

DENVER.—Boom! Crash, clatter—cheers—a voice on the air:

"This is KOA, Denver. The terrific explosion you just heard was a dynamite blast that smashed a hole through the heart of a mountain. It occurred 3,000 feet underground, three miles from daylight and two miles above sea level. It removed the last granite barrier in the marvelous, word famed Moffat tunnel. Rocks and pebbles are still crumbling and the air is thick with dust. There is danger, but you will be safe, so do not worry. What is above us? We do not know. Cold water, hot water, internal fires, all of these have been considered as possible contingents. But it seems that all is well now and you may congratulate yourself that you have been an ear witness to a great and historical engineering achievement."

From Arctic to Equator

The boom doubtless was heard from the Arctic circle to the Equator. President Coolidge personally closed the switch in the White House at 8 o'clock in the evening. All had been placed in readiness and he was notified by long distance just when to press down the golden key that would mark an epoch in American history, close a circuit and make the spark to set off the gigantic mine.

When the air had cleared, Governor Adams of Colorado walked through the opening from the east side and greeted Governor Dern of Utah, who entered the bore from the Utah side. As the governors shook hands, Radio listeners the world over heard the informal greetings exchanged by the two chief executives, discussing the roar that brought their two states 118 miles nearer.

"The story of the Moffat tunnel is an epic of empire, brimming with romance," declared Freeman H. Talbot, studio director of the Rocky Mountain station. "And the most fascinating share of that romantic tale will be included in this unique program."

Great Engineering Feat

"The tunnel is an engineering feat that does credit to the crews who have worked in the depths of the earth, overcoming nature's forces, risking life itself in order that for the first time in America, the backbone of the Great Continental Divide might be pierced."

The Moffat tunnel, measuring six and one-tenth miles long, will be the highest and the lowest railroad tunnel in America. It will be 9,240 feet above sea level and 3,789 feet under the top of James Peak.

Radio authorities have declared this to be the most daring exploit ever attempted by any broadcaster for its listening public.

Sings Heart Songs



EVERY Monday evening at 6:40 may be heard the plaintive and soul stirring voice of Cantor Aron Kritiz (above) at WEBM, Chicago. Born in the Ukraine of Russia, his voice was trained in the school of the cantors. "I do not care if the song is sad or happy, if it means something in my heart I can sing it," he says.

"Radio Not Worth While"—Edison

"But Good for Those Who Like It," Electrical Wizard Agrees—Chews Plug Tobacco

FORT MYERS, Fla.—That Thomas A. Edison has not greatly modified his views concerning the value of Radio is indicated in an interview given a few days ago to Horace A. Dunn of the Fort Myers Chamber of Commerce.

"Despite the fact that the Radio is far from a stage of perfection and is still in the infancy class, it is a mighty good thing for those who like it," Mr. Edison said. "It is beneficial to the young people because it is constructive and gives them something to think and read about."

"It also tends to keep the young folks at home at night—a mighty hard thing to do in these modern times," he chuckled. At this juncture the inventor bit off a piece of tobacco from his plug and offered the plug to W. F. Grogan, local Radio expert and officer in charge of the Fort Myers Naval Reserve Radio Station.

The Radio of today, the inventor pointed out, is not worth while because of the fact that it does not carry the natural sound. A voice over the Radio does not ring true, he declared, and until the foreign sounds which creep over the air waves are conquered, Radio will never take the place of mechanical devices for the reproduction of voices and music.

U. S. Pacific Coast Stations Leap to Atlantic By Air Relay Over WAAM

Three Remote Receivers Working From Same 150-Foot Aerial Scout for Signals, Reproduce, Amplify and Re-Transmit for All Eastern Listeners

NEW YORK.—First aid to DX fans is offered by Paul Godley through WAAM, Newark, N. J. Many Eastern listeners find it very difficult to pick up Pacific coast stations, owing to interference and lack of equipment for fine tuning. Station WAAM has launched a Saturday night pilot service whereby the far-distant stations are brought in, either by tuning in WAAM or by following the directions received through the station.

"We have erected a receiving outpost at Cedar Grove, about nine miles northwest of Newark," said Mr. Godley, "and from that point the programs we intercept are sent over land wires to the transmitter at Newark and put on the air so that the Radio fans throughout our area may receive them without trouble. The California stations begin coming in at 10:30, but they are not at their best until after 12 o'clock."

California Comes Strong

"Among the stations we find most satisfactorily are KFI and KHJ, Los Angeles; KGO, Oakland; KGW, Portland, Ore.; KGA, Denver; CZE, Mexico City; WBAP, Fort Worth, and WFAA, Dallas, Texas. Station KFI is by far the easiest to get, as it comes in very loud."

The antenna is described as about 40 feet high and the wire 150 feet long, between a chimney and an elm tree. A counterpoise is strung beneath the antenna. Three receivers are employed, all operating from the same antenna and with six tubes. One is tuned to WAAM's 263 meter wave; the second is used as a scout to hunt new stations, while the third is pouring signals through two loudspeakers into a microphone connected by wire with the WAAM transmitter.

System Is Explained

Mr. Godley explains the system further, as follows:

"We use two loudspeakers of the cone type connected in series so that we can get both the low and high tones. The loudspeakers are placed about eight feet from the microphone.

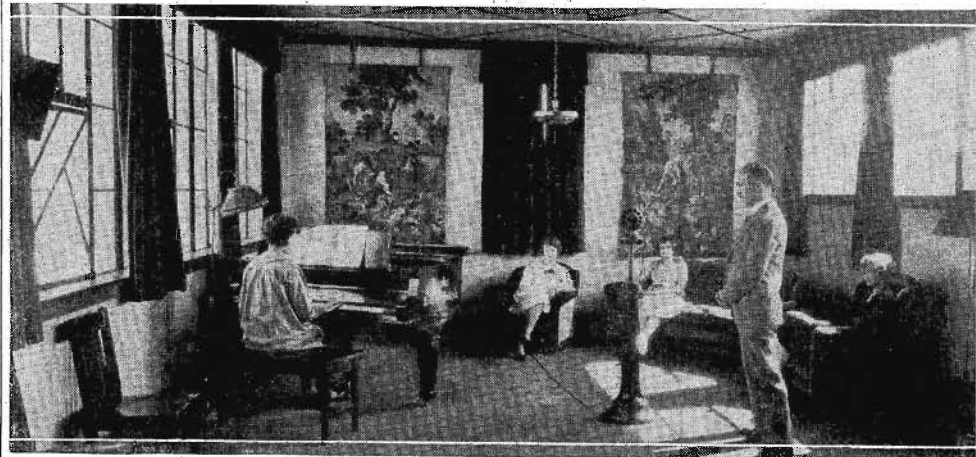
"Subsequent to the tuning in of any station instructions are given to listeners as to how to get this station on receivers other than the one being used at the pick-up point. This enables Radio owners to pick the station up direct on their own receivers, and should serve as an incentive for 'fishing' for additional west coast stations.

"The site of Cedar Grove was selected because of the convenience of telephone wire facilities. After the various stations are picked up on the Cedar Grove receiver they are reproduced in loudspeakers which are placed before a microphone and sent over telephone lines to the studio of WAAM, whence they are re-radiated on a wave length of 263 meters.

"The scout machine is used to fish around through the air in order that material of interest fit for rebroadcasting can be spotted. In this manner a continual change of scenery is available. The operator at the scout machine having spotted KGO announces it to the operator on the rebroadcasting machine. The rebroadcasting set is then swung over to KGO subsequent to announcements, whereupon the scout machine begins to hunt for another station of interest."

Rebroadcasting heard in this way is spread throughout the eastern area with reports coming from listeners scattered from Florida to Maine.

CULTURE IS KEY NOTE OF KPSN, PASADENA



YOU are permitted to take a glimpse in the above picture, of the bright and sunny studio, KPSN, of the Pasadena Star-News, California. This golden atmosphere seems to be reflected in the personnel and character of the KPSN broadcasts. The music and the programs are under the direction of George Frenger. Mr. Frenger voices this sentiment:

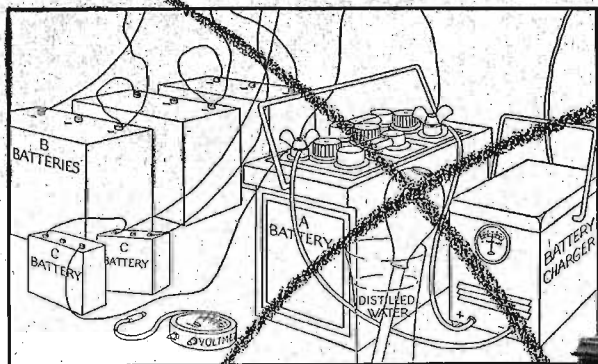
"We can always emphasize the beautiful and wholesome and thus influence the listener constructively. And if we listen with thinking hearts we realize the won-

der of it all and it seems that the Infinite is all ways has been right close around us at all times. Radio is a great harmonizer, not only scattering music into the homes of the rich and the poor alike, but in spreading peaceful and congenial ideas to various races and nations and creeds.

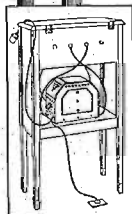
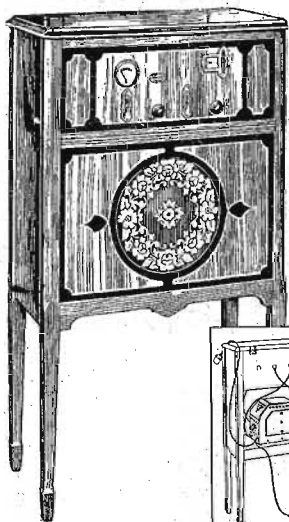
"Radio can do much toward the harmony of the arts. It can be most instrumental in counteracting all the fads and fancies springing up to dazzle and thrill one in this age of thrills. It cannot be

simply a community proposition, except in the sense that the United States and the world become our community, a community that grows and develops. Community unity arrives through its united activities in music, singing, art appreciation, citizens' forums, educational exchange and social service."

This spirit, expressed by Mr. Frenger, seems to have accomplished much in establishing KPSN as one of the great favorites of Southern California and the music-loving Mexicans across the border.



No batteries—



Radio's most revolutionary development! Run this radio direct from house current outlet. Ordinary 110 volt 60 cycle domestic electricity transformed mechanically into smooth, quiet radio A, B and C power as you use it. Radio power supply annoyances ended for all time. A snap of the switch is the only demand radio will make upon you from NOW ON.

- No more batteries to fuss with.
- No more trickle chargers to watch.
- No more keeping something filled with water.
- No batteries to renew or recharge.
- No upsetting the home to have the radio serviced.

See these wonderful sets at any Crosley dealers, or write Dept. 49 for descriptive literature.

The Crosley Radio Corporation

Powel Crosley, Jr.,
Pres.

Cincinnati,
Ohio

Radio Energy Unit

Crosley Radio Energy Unit weighs only 13 lbs., is only half the size of an ordinary "A" storage battery—operates without interfering hum and with the certainty of an electric motor.

\$50

6-tube AC Receivers

for use with Crosley Radio Energy Unit

Crosley radios designed for use with this marvelous power supply are the AC-7, a 6-tube table model at \$70, and the AC-7-C, a 6-tube console at \$95.

Crosley sets are licensed under Armstrong U.S. Patent No. 1,115,149, or under patent applications of Radio Frequency Laboratories, Inc., and other patents issued and pending.
Prices slightly higher west of the Rocky Mts.

**CROSLEY
RADIO**

**CROSLEY
ULTRA
MUSICONE
\$9.75**

JOURNAL of YOUTH

“CONSCIENCE Is Only a Habit of Thinking,” Says Karl Boescher, “and Law Is But a Convenience.” He Laughs at Garden’s “Compunctions” About Crime

By GRISWOLD BAER

IVANHOE UNIVERSITY, on the southern shore of Lake Michigan, has been founded to cultivate a new school for the education of educators. Only superior students are admitted. Wanda Nevens and Babe Garden, football hero, are enrolled from Minnesota. Wanda is the leader of a group of free thinking girls who call themselves the Lady Pinks, at first dubbed that because of their alleged Bolshevik tendencies.

Wanda gave an interview to a newspaper in which she said old fashioned ideas about the limitations of love making would have to go and she said there should be no limitations so long as there was sincerity. Her concern has been aroused over the growing influence of a mysterious student by the name of Karl Boescher over Babe. While she has been called to account for her interview by Alexander Matthews, the dean of women, and the dean has been called to account by President Blake of the university. Babe has been confronted with a proposition to assist Nate Weiss, a prosperous bootlegger, to steal a load of alcohol from the university laboratory. He makes an appointment to come back later and bring his friend. He leaves for the fraternity house. Wanda passed him unseen, except by Weiss in his sedan, to meet some of the Pinks at the usual rendezvous in the Sugarbowl, a tea room on Shoreway, the business street of Dunevale.

CHAPTER III.

“What Does It Matter?”

OLD JOSEPH GRANT himself came up the stone steps with Dr. Henry Dykeman as the result of an urgent call sent out by President Blake for some of the more influential counselors. He was a blunt man, had made his millions out of steel and was the financial cornerstone of Ivanhoe University.

“Blake is a good man but he takes trifling things too seriously,” he said to the distinguished psychologist of whom he was particularly fond, as they strode through the hall to the president’s office. “His particular horror is newspaper type,” observed Dykeman. “It’s a form of stage fright. The whole pride of his existence is in Ivanhoe. One printed word that reflects on the dignity or prestige of the institution he takes as a personal affront. It burns him like the prick of a hot needle. This girl’s freely expressed opinion of her own notions of life, I can well imagine, have just about set him wild.”

Old Mr. Grant screwed up his mouth in a way that was characteristic when things that had not to do with steel production invaded his well grooved cogitations. They entered the ante-room and were immediately shown into the private office of Alexander Blake.

“Sit down, please, gentlemen,” said Mr. Blake as he came forward in a dazed manner and grasped their hands perfunctorily. “These gentlemen are from the newspapers and I suppose it is scarcely necessary to introduce Mr. Grant and Dr. Dykeman.”

“Hello, Frazer, what the devil you piddling around on this piffle for?” said the financier to one of the reporters. “How are you Hunter? I never did thank you, Miller, for that picture you got of me helping Queen Marie into the car. And to think after showing her all through the mills at Gary with special escorts and everything she should turn around on her red plush throne back in Roumania and spit at us like a silly cat! Ha! Ha! Well, we all had a lot of fun out of it, didn’t we? I suppose Dykeman here can tell us all about it. The kind of kick we democratic Americans get out of flogging these old world royalties around our show-off places.”

“We had a little argument up to the office,” smiled Frazer, “whether that silk hat wasn’t the same one you wore at the Roosevelt inauguration.”

“Tut! Tut! I want you to know I bought that hat at Field’s especially for Marie and it cost me the extravagant sum of \$27, but the folks insisted—and—but what’s all this hullabaloo anyway?”

“To begin with, Mr. Grant,” Hunter got up from his chair and lit a cigarette. “These hoony students who have been killing themselves off for such reasons as ‘being too tired to live,’ and ‘I’ve seen everything worth while, so what’s the use of hanging around?’ and ‘I’m curious to see what happens after death, so I’ll kick off, find out and come back at half past twelve Thursday and let you know,’ and stuff like that has stirred the public

imagination. Everybody wants to know what’s wrong at the schools that there should be such an epidemic of suicides and crime among the students. What’s got into them? What are they thinking about? Now this girl, Wanda Nevens, comes along and gives us a lead. It fits in with theories recently advanced by some of our best thinkers concerning the motives for human behavior.

“Mr. Blake seems terribly worried about it. There really isn’t much more to it right now unless we can get this girl to come through with some more of her theories and he tells us he can’t find her.

“Oh, well, let’s forget it,” counseled Mr. Grant, “let’s all go over to the Deacon’s for a bite. You can’t blame the poor girl for being hungry. It’s time and I’m hungry myself. And what’s more, I’ll tell you what I think about this business and my ideas are just as good as this Nevens girl’s. What’s her name, Wanda Nevens? Pooh! Pooh! Who is she? Oh! Oh! I got a complex, I feel it comin’ on now. It’s one of these visceral stimuli Dykeman tells us about. What you say? Come on.”

Dr. Dykeman wore a short, gray pointed beard and was one of the most sedate ap-

Wanda had turned at the corner after passing Babe Garden while he was engaged in an important conversation with Nate Weiss, the bootlegger. She had proceeded at once to the Sugarbowl, one of the show places of the town. It was a three story structure in the shape of an old fashioned sugar bowl. The facing was white terracotta and Delit blue. The entrance seemed to be through a triangular break in the old bowl.

For a moment she stood in the entrance scanning across the dimly lighted room with the cozy crude old fashioned Dutch hand made benches, tables and chairs. The service came from a central fountain and circular counter. Girls in Dutch caps and aprons waited on the tables and there were quaint Dutch paintings hung about the octagonal walls. A winding stair case ascended to a balcony around which were little private booths and these were served by way of narrow bridges to the center of the big bowl.

“There she is! There she is! Hurry, come on up, Little Corp!” Half a dozen girls with pink silk skull caps were leaning over the narrow balcony rail and waving to her. She quickly ascended the stairs and was escorted to a seat of honor in one of the booths.

“LOOK! How do you like our Bolshevik caps?” asked Dorothy Von-Roesh, a pretty little sophomore whose smiling brown eyes always contradicted the serious expression of her lips.

“But you really won’t dare wear them out. Let me see one. Where did you get them? I want one too.” Wanda eagerly removed Dorothy’s cap to examine it.

“We made them ourselves,” laughed Dorothy. “Stella is making one for you with a special insignia for your rank as the Little Corporal. And, why, I’d like to know, shouldn’t we wear them outside? Aren’t we the Pinks whose motto is, ‘Be yourself at all times?’”

“Where is Stella?” demanded Katherine Lyons, daughter of a wealthy New York manufacturer who had finished two brilliant years at an exclusive girl’s school. Katherine was fair and, next to Wanda, was Stella’s dearest companion.

“I did not go up to the room, because I thought she would be here. Maybe something is wrong—”

“There was a call for you just a few minutes before you came in.”

“Trouble; I’ll bet she is stalling them off from me. I just came from the dean’s office and some big council was on in Blake’s sanctum, directors and everything. Really, I’m almost scared. Somebody said they had sent for Old Uncle Joe Grant—and all on account of Little Me. Miss Matthews warned me not to leave the campus. Reporters are up there stepping on each other’s feet to talk to me. The Pinks are important, if you please. But let’s order. Stella will be here pretty soon. I’m not going to call up and get into a trap.”

AND while Wanda enlightened her excited “comrades” concerning her experiences of the morning, Babe Garden had felt a revulsion toward the proposal of Nate Weiss as a way out of his difficulties. Every step added lead to the soles of his shoes and when he entered the fraternity house his chin was in his neck and he sat down at the little side table in the alcove without answering the cheery greetings of the brothers. The little table for two was provided for just such occasions, when two men had matters of confidence between each other to discuss.

Karl Boescher almost glided into the room. He looked somewhat ponderous, but he was agile. His naturally fair skin had a slightly yellowish tinge and his light hair was dry and receding from both sides of his bulging forehead. The inevitable heavy rimmed glasses circled his large blue eyes. His blue cheviot suit, although obviously of good material and made to measure, looked baggy and slack. He stood looking down at the bowed head of the football man, a smile of half contempt on his broad face.

“It’s a fine day for suicide, and suicide is all the rage, you know,” he said in a deep, velvety voice. “Have you anything of the sort in mind?”

“Well, after a fashion, you might call it that,” Garden answered with a slight nod of his head toward the seat opposite. Their table was sufficiently separated from the main dining table so that they would not be overheard.

“I have some very effective poisons that I am fairly itching to try, out on some

PRETTY LITTLE BEBE LOVE BROADCASTS
TINKLE AND SPARKLE OF GAY BALLROOM



There’s a niche in the wall of the Trisonon Ballroom, Chicago, where Miss Bebe sits about like a tiny bird and warbles croony songs that soar away from the WMBB antenna.

Don’t you think it would be a good plan, Mr. Grant, for us to talk to the girl here in Mr. Blake’s presence—”

“But she isn’t here. It wouldn’t do, anyhow, without our talking to her first, because she doesn’t necessarily represent the thought of the student body of the school at all,” interrupted Mr. Blake.

“Where do you think Miss Nevens is?” asked Dr. Dykeman.

“Miss Matthews is trying to locate her. She was told not to leave the campus, but some of the young women told her roommate, Stella Gwynne, they had seen her turn off Diana avenue toward Shoreway and she’s probably in one of the Lakefront candy shops or tea rooms.”

pearing members of the faculty but he stood in the doorway after the others had filed out and as President Blake slipped an arm into the silk lined sleeve of his overcoat, he observed one corner of the solemn Dykeman mouth elevate to meet a crease from a very palpable wink of the left eye.

“I wish I knew as much about putting into effect practical psychology as old Joseph Grant,” he said.

Diana avenue flanks Shoreway in the modern little city of Dunevale. One block over and you are on the beautiful crescent drive that looks down on the lake. There isn’t a building over five years old in the corporate limits and the code is very strict.



"HOW many of you folks know what the inside of a broadcasting station really looks like?" asked Director George Junkin of his studio stage at KMOX, St. Louis. Not a hand went up. Whereupon

Mr. Junkin went out and commandeered a motorbus and took his family for a ride to the KMOX station in the suburbs. Picture shows Mr. Junkin (center) and Kmoxters listening to tests in the station.

The Reader's View

Likes Editorial on Chain

The writer has just read with interest the editorial in your April 1st issue headed, "One Wave for the Chain." Were you to ask for comments from readers of your magazine there isn't any doubt but that you would receive thousands of letters indorsing your attitude on this subject. The writer, who is just an average listener, dislikes very much to have certain programs thrust upon him at a number of points on the dials. I have in the past turned off my Radio in disgust because so many stations on the same chain use the same wave length. Here's hoping the new Radio commission will see the wisdom of this.—Charles F. Borkenhagen, Kenosha, Wis.

Objects to Our Chain Criticism

We were astonished to read your editorial in the first April issue of Radio Digest. The broadcasting of good music by the larger stations is producing a great effect among the listening public. The fact that grand opera and symphony orchestra listeners were few has been largely a question of education. A very few of us have had the opportunity to hear such music and hence the proportion before Radio brought these things to us was very small. Now the Radio public is rapidly coming over to the good music and the popularity of the chain broadcasts proves this. I see it on every hand here in our small town. It certainly is late in the day for your paper to jump over on the other side on this proposition. We trust that your paper has not been overcome by the wild rantings of some of the radicals of today whose chief fear is that they will be deprived of some wave lengths which they have stolen. There is a great body of the public who quietly listen and do not often express themselves in these matters.—Paul B. Galer, Mt. Pleasant, Ia.

Mr. Galer declares in a postscript, "the solution of the interference problem lies in the use of the short waves—20 to 75 meters—I have tried listening there and know it is very clear."

Calls New York "Monopoly"

Talk about monopolizing the air, New York is getting it down to a frazzle. Monopoly of the air, they said, was not their object at all—Oh, My No! BUT they will get enough of it with their high powered stations to make it so rotten for the rest of the smaller stations (that put on better programs) that all they can do is quit business. And then Lord help us. It will not be long before New York will be the stage with the whole United States and Canada watching the dial have no dials to set. Just pull the switch and the "Monopolized Air Co." will be right there to entertain you with Madam Slobnobski and Prof. Skodumski introducing the "Ereemsquawk and Squawl Opera Co." If you like it, all right; if not, you can sign off and go to bed, for there will be no other station to all back on.—A 16-Hour-Day Fan, Alingo Jr., O.

"Live Wires" in Detroit

Power companies are not always indifferent toward the troubles of a Radio listener. I was troubled for some time with an unearthly noise which sounded like an overworked rock crusher in distress, and, after testing all of my own apparatus without finding the difficulty, I appealed to the Detroit Edison company and the Department of Street Railways. Within an hour two men were at my home making a preliminary survey. Three others came out afterward and the two companies co-operated on the job. By means of a portable set and pulling the switches in the near-by houses, they traced the source of the noise to a defective Heating pad. Then they even took it upon themselves to suggest tactfully to the owner to replace the pad on stop using it. They tell me at the Department of Street Railways that they break even in a year's time, through the discovery of power leaks.—W. T. Mithoff, 16429 Potoskey ave., Detroit, Mich.

Look Again, Mr. Parker

You may talk about your broadcasting of the seed peddlers and all of these old

time programs, but I haven't seen anything in any of your Digest about where you criticized the auction bridge or where you have said anything whether or not one was compelled to listen to Jess or Italian bal bla, whether he wants to or not, the whole dial around. We in the West don't care for this kind of trash. You are all one-sided to criticize our Western stations.—M. Parker, Lebanon, S. Dak.

French Trawlers Interfere

We are suffering interference from ships down here. The worst offenders are the French trawlers off the coast on the fishing banks. We do suffer some from Western Union offices and the violet ray machines. The code particularly annoys our reception from WJZ. It simply rips through and if it is possible for Radio Digest to do something for us, you will certainly find an innumerable number of down here.—W. O. Lovelace, Liverpool, N. S.

Maybe He Means Dielectric

Isn't it rather laughable how the venerable Radio Digest has changed in the last two years? Time was, not so long ago, when this publication was harpooning the American Telephone and Telegraph company, Radio Corporation of America, Station WEAJ et al. But now with its "holier than thou" attitude it is falling all over itself in praise of these same stations and corporations. As to the advertising I think Shenandoah products are more of a necessity than Cluquet Club Ginger Ale and chewing gum and candy.—E. Olson, 2021 E. Main st., Emmetsburg, Ia.

One Friend Anyway

Last November I found Radio Digest in a "clubbing list" and immediately sent in the price expecting a little leaflet. Judge of my surprise when Radio Digest came and was found in an invaluable booklet, real magazine. I am 78 years old and confined at home, and with our new six tube single dial control I am able to get sermons and many things over the air that lift us to a higher plane. We are able to find the best through reading your magazine and I shall certainly renew my subscription when the present expires.—Mrs. L. R. Gott, R. 6, Viroqua, Wis.

Put Advertisers in Special Zone

If we must have direct advertising, why not put all stations of this class in a "length zone" by themselves? In this way they would not interfere with other programs, nor would other programs interfere with them. A Radio fan tuning into the reserve zone would know what to expect and probably would get both ears full.—Ed. L. Richardson, Editor and Publisher of the Adair News, Adair, Ia.

Nominates Boss Erbstein

I want to vote for Charles Erbstein for the Gold Cup. In case I should prefer to hold my ballots to give my favorite the maximum number of votes can I, if I secure another ballot, cast my vote for C. E. Erbstein to start the ball a rolling?—W. E. Farrell, 5323 Calumet Ave., Chicago. Ans.—Mr. Erbstein is nominated. It's only necessary to send in the name. The original plan for nominations was changed.

WGN Comes Mighty Strong

Please give us WGN, and without interference. They come in as strong as horseradish, and put on programs worth hearing. We say "More power to WGN."—J. M. Askert, Balleysville, Texas.

Agrees With Harold Herron

I agree entirely with Harold Herron, Pontiac, Ill., when he says that all stations of less than one-half kilocycle should be depleted or at least not permitted to broadcast between the hours of 7 and 10:30 p. m. Make stations in one community use fewer waves and divide more time. Look at Chicago, broadcasting on nearly every point of the dial. Hope the Radio commission sees this.—Graham Jones, Webb City, Mo.

Keep Some Going All Time

Seems to me the commission might eliminate some stations altogether, but let the majority we now have keep going; say part of them only certain days a week. Some stations we want on the job all the time. Appreciate the work you are, and have been doing for us.—L. W. Young, scenic, S. Dak.

THE LATEST IN RADIO ACCESSORIES

Amrad Mershon Condensers

THE Mershon Condenser, illustrated herewith, is not a new product in any sense of the word as it has been extensively used by expert Radio amateurs for more than three years for filter purposes in smoothing plate supply current for transmitting equipment. Amrad pioneer broadcasting station WGL has been equipped with a bank of Mershons since its early days.



The important uses for Mershon electrical condensers, greatly extended since the increased popularity of A and B power units, may be briefly summarized as follows:

1. Connection to any B eliminator for improving tone quality of reproduction absolutely eliminating any 60-cycle hum.
2. For preventing "thumping" or "motor boating" of B eliminators.
3. As a basic unit of capacity in building a super B eliminator.
4. For constructing a combined A and B power unit.
5. For greatly prolonging the useful life of ordinary dry B batteries.

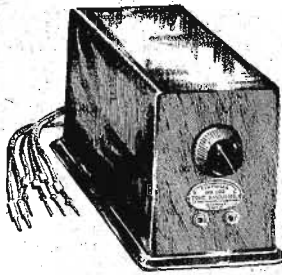
Among the advantages claimed for the high capacity Mershons are these:

1. Require no attention; no water to add and nothing to deteriorate as there is no chemical action taking place after manufacture.
2. Self-healing so not permanently injured by excess voltage.
3. Has an automatic leakage factor which, combined with its enormous capacity, perfectly filters hum.
4. Requires far less space than paper condensers of equivalent capacity and dielectric strength.
5. Contains no poisonous or harmful liquid.
6. No breakdowns after long use as there is no fatigue of dielectric.
7. All Mershons withstand a uniform high voltage as dielectric is not subject to variation in thickness or dielectric strength.
8. Allows design of filter circuits in combined A and B, or simple B eliminators with a minimum of inductance. The resulting advantage is of great practical importance. Should an open circuit occur, the voltage built up is low and quickly and safely absorbed by the very large capacity of the Mershon. This removes the trouble of broken down condensers in filter circuits of eliminators and protects the broadcast receiver against breakdowns of insulation or puncturing of other parts.

Mershon is made in two capacity arrangements by Amrad, Medford Hillside, Mass. Model S-60 is a single condenser of 60 mfd. Model D-15-20 is two 15 mfd condensers in one unit. Mershons rate 300 volts DC.

Centralab Has New Amplifier

The latest addition to the Centralab line, manufactured by the Central Radio Laboratories, Milwaukee, Wis., is the Tone Amplifier which adds an extra stage of amplification, using the CX171 power tube, to any set. It gives immediate increase in volume on all stations and full rounded tones that seem to move the Radio artists right in your home. The speaker is protected by a tone filter, and the volume is controlled from a whisper to maximum by a single knob. It is quickly attached to any set without tools or alterations.



The new power tubes CX371 have made possible power amplification to every Radio set owner at moderate cost, because they operate from the ordinary 6-volt "A" battery and at plate voltages within the range of the average "B" eliminator or of dry cell batteries. These tubes give their maximum output at 180 volts "B" battery pressure, but prove entirely satisfactory at 135 volts when used with proper "C" bias. At that voltage they have a much greater power out-

put than the UX112 semi-power tube frequently recommended for the newer receivers, making possible much better tone when properly used.

The power tube itself, however, amplifies only three times as compared to eight times for the standard UX201-A tube, another reason why it must be used as an extra stage of amplification to insure satisfactory tone and volume.

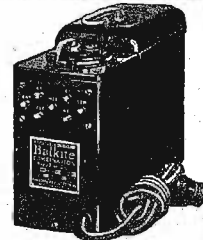
Reservoir of Power Necessary

A large reservoir of power must be instantly available to insure equal amplification of all tones at loud speaker volume. It is estimated that 24 times more power is needed to reproduce a low note than a high note of equal intensity. This extra power is not available in the average Radio set, because neither the last tube or transformer will pass this current without overloading. When power is added as an extra stage, however, the volume output of the set itself can be kept below the saturation point of these parts just as it is when head phones are used, while the power stage supplies the extra kick needed to operate the loud speaker with plenty of volume.

The Centralab Tone Amplifier supplies the reservoir of power necessary to any set and is an attractive addition to any set.

New Balkite Combination

The Fansteel Products Company, Inc., North Chicago, Ill., recently have added to their complete line of power units, a Combination Radio Unit, which is shown in the accompanying illustration. When this unit is connected to your A Battery and set, it supplies automatic power to both A and B circuits, and is automatically controlled by the set filament switch. It is composed of a triode charger

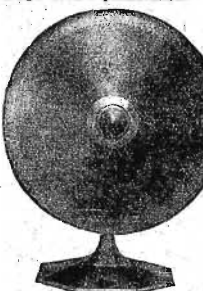


in connection with a B power supply, compactly assembled in a neat and attractive case. It will serve any set now using either 4 or 6 volt A batteries and requiring up to 30 milliamperes at 135 volts of B current or any set using up to 8 tubes including the power tubes.

Like all Balkite Radio Power Units it has no tubes, nothing to replace or renew, and is built to conform with the standard of the Underwriters Laboratories.

Utah Free Edge Cone

THE most popular speaker, in the rather popular Utah line of horn and cone type loud speakers, has been learned to be the free edge cone. This style of Utah reproducer stands 17 1/2 inches high and is priced in the range of the average man's pocketbook.



As shown herewith, the free edge cone Utah is an artistic addition to any parlor. Its technical design, also, is correct and the speaker brings out all the high and low notes broadcast by any station without distortion, drum or rattle.

It is made by the Utah Radio Products Co., who are already established in the public mind as builders of the Utah unit, found in so many consoles built by the furniture makers.

New Type Inside Aerial

A new type of inside aerial has been placed on the market by Tidmarsh's Radio Supply of Elwood. The Sock-Antenna as it is called, is unlike any other type of aerial that works from light socket, as it is known as an inductive aerial and is made in a cable form. One end attaches to light socket and the other end to the aerial post of receiver. There are three leads at the end attaching to set which gives three degrees of selectivity available.

AN EVENING AT HOME WITH THE LISTENER IN IN EASTERN TIME

Table listing radio stations by location and time slot. Columns include Call, Location, Met., Kc., and days of the week (Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday).

STATIONS IN ORDER OF WAVE LENGTHS

Table listing radio stations in order of wave lengths. Columns include Meters, Call, Meters, Call, Meters, Call, Meters, Call, Meters, Call.

COMMISSION HEARINGS

(Continued from page 3)

L. B. F. Rayeroff, National Electrical Manufacturers Association; Ray H. Manson, chief engineer, Stromberg-Carlson Manufacturing Company; Robert H. Marriott, Independent Wireless Telegraph Company; L. W. Wallace, American Engineering Council; Samuel Waite, Worcester (Mass.) Telegram; L. C. F. Hurley, Federal Radio Corporation; H. B. Hough, W.B.A.P., Fort Worth, Texas; Dr. J. H. Dellinger, Bureau of Standards; Leon M. E. Clausung, WEBM, Chicago; E. M. Terry, University of Wisconsin, and many others.

broadcasting. Opinions were heard on both sides of these questions. Every one of the experts in the various lines donated some interesting and instructive information to the commission on the points under discussion and taking the expressions of opinion as a symposium the commission should now be able to get to work and plan its broad policies. There seemed to be a very genial atmosphere of good will expressed at the hearings and at the sympathetic attitude which the various members of the commission showed. The full commission attended all of the hearings with the exception of Admiral Bullard, chairman, who is on his way to Washington from China. The different members of the commission presided at the various sessions.

While it was obvious that members of the commission had begun the hearing with the optimistic hope that some way would be found among the various interests represented to conciliate and reconcile as far as possible at the conclusion it was felt that had really been accomplished except that the commission would have to proceed by its own devices. Whether the commission will now proceed to arbitrarily eliminate stations and compel all stations to "double up" in division of time remains to be seen. Companies owning more than one station may have to divide time with other concerns.



(3) LITTLE JACK LITTLE These Pictures Are 11 x 14

Free Photographures of Your Favorite Artists. By special arrangement Radio Digest is now able to offer its readers a great opportunity to secure a selection of twelve fine photographures of their favorite radio stars. These photographures can only be compared with the finest photos obtainable. See coupon below.

Form for requesting free photographs of radio artists. Includes fields for name, address, and a coupon for sending a dollar to Radio Digest.

WLIB Chicago, Ill. (302.8m-900kc) 7-8 p. m. dinner concert; 11-12:30, organ, orchestra; 6:30 p. m. College lun orchestra; 7-1, frolic.

WMAQ Chicago, Ill. (447.5m-670kc) 8 p. m. photograph; 8:30, Chicago Herald review; 9:30, song cycle; 10:30-2, popular program.

WMBB Chicago, Ill. (246.9m-1200kc) 7-8:30 p. m. Trio ensemble; artists; 8:30-11, Trio orchestra ensemble.

WMC Memphis, Tenn. (499.7m-800kc) 7:30 p. m. symphony.

WOC Davenport, Iowa (483.6m-620kc) 6-6:30, travelogue; 7-10, musical; 11-12, orchestra.

WOK Chicago, Ill. (410.7m-720kc) 9-12:30 p. m. orchestra.

WQQ Kansas City, Mo. (278m-1080kc) 6:15 p. m. orchestra; 10, service.

WQD Chicago, Ill. (225.1m-1080kc) 7 p. m. Webster hotel concert program; 9, studio program.

WQJ Omaha, Neb. (526m-570kc) 5 p. m. literary hour; 9, program; 10, Tracy Brown's Oklahomans.

WQJ Chicago, Ill. (447.5m-670kc) 7-8 p. m. Rainbo orchestra; 10, Rainbo gardens frolic.

WRR Dallas, Tex. (245.8m-1200kc) 8-9 p. m. musical.

WSE Atlanta, Ga. (428.3m-700kc) 8 p. m. orchestra; 10:45, program.

WSD Chicago, Ill. (288.3m-1040kc) 6:30-8 p. m. dinner program; 9:1, concert.

WSM Nashville, Tenn. (282.8m-1060kc) 6:45 p. m. dinner concert; 9, barn dance.

WSMB New Orleans, La. (519.9m-800kc) 8:30 p. m. popular program.

WSGE Milwaukee, Wis. (245.8m-1220kc) 8 p. m. artists.

Mountain Time Stations

KOA Denver, Colo. (322.4m-830kc) 10:15 p. m. Scheuerman's Colorado orchestra.

Pacific Time Stations

KFI Los Angeles, Calif. (497.9m-820kc) 7:30 p. m. program; 8:30, program; 9-10, classical program; 11-2 a. m. KFI midnight frolic.

KFOA Seattle, Wash. (484.3m-660kc) 8:30-9:30, musical.

KFWB Hollywood, Calif. (252m-1190kc) 6-7 p. m. Pontiac dinner hour; 8-9, program, Mona Motor Oil Company; 9-10, musical; 10-11, program; 11-12, orchestra.

KGO Oakland, Calif. (361.2m-830kc) 8:15 p. m. program; 9:15-11 a. m. Whitcomb band; Frank Gloney, soloist.

KGW Portland, Ore. (491.5m-610kc) 6-7 p. m. dinner music; 10-12, dance music.

KHJ Los Angeles, Calif. (406.2m-740kc) 6:30-7:30 p. m. children's hour; 8-10, varied program.

KJRO Spokane, Wash. (392.9m-760kc) 6 p. m. dinner concert; 7, KFOA program; 10-12, orchestra.

KJR Seattle, Wash. (384.4m-760kc) 7:45-8:45 p. m. old-fashioned dance; 9-10, orchestra.

KMTZ Hollywood, Calif. (379.2m-810kc) 8-9 p. m. concert orchestra; 9-10, studio program; 10-12, dance music.

KNX Hollywood, Calif. (336.9m-890kc) 7:30 p. m. features; 10, Hotel Ambassador; 11, Saturday night frolic.

KOIN Portland, Ore. (319m-940kc) 6-7 p. m. dinner concert; 10-11, dance music.

KOMO Seattle, Wash. (305.9m-870kc) 7:30 Toten concert orchestra; 11, program.

KPO San Francisco, Calif. (428.3m-700kc) 6:30 p. m. States Restaurant orchestra; 8, dance music.

KPSN Pasadena, Calif. (315.6m-950kc) 6-9 p. m. Star-wins instrumental ensemble.

KYA San Francisco, Calif. (389.8m-750kc) 8 p. m. dance orchestra.

Saturday, silent night for: CFCA, KEDM, KEDY, KIX, KOB, KSWC, KXAB, KUOA, WRAB, WLX, WCLB, WCOA, WCOB, WCX, WCB, WEMC, WFHJ, WGB, WGR, WGR, WGR, WHA, WHAD, WHB, WHN, WHO, WIC, WJAB, WLLW, WOAI, WOS, WRVA, WTC, WVVJ.

SUNDAY, APRIL 17

Church Services

Eastern	Central	Mountain	Pacific
7:30 a. m.	6:30	5:30	4:30
KOA (322.4m-930kc) Knight Templar sunrise service			
8:30	8:30	7:30	6:30
KVBO (374.8m-800kc) Mass, Holy Family church			
WIBO (226m-1300kc) Swedish Easter service			
WIF (208.2m-590kc) Holy Trinity church			
10:45	9:45	8:45	7:45
WCCO (416.4m-720kc) First Trinity Lutheran church			
11	10	9	8
WCAU (277.6m-1080kc) First Unitarian church			
WHAS (399.5m-750kc) Service of the Broadway Christian church			
WIBO (226m-1300kc) St. Lukes Episcopal church			
11:50	10:50	9:50	8:50
WGO (416.4m-720kc) Westminster Presbyterian church			
12 p. m.	11	10	9
KTPS (374.8m-800kc) Services First Presbyterian Church, Rev. Stuart Ogelsby, pastor.			
WBAF (475.9m-630kc) First Presbyterian church			
WBO (526m-570kc) Nat. Yeshurun congregation			
1 p. m.	12	11	10
KCO (322.4m-930kc) Service of Central Presbyterian Church			
12:15	11:15	10:15	9:15
KFI (467m-642kc) Temple Baptist church			
KGO (361.2m-830kc) First Presbyterian church			
1:30	12:30	11:30	10:30
WLS (344.6m-870kc) Rev. H. E. Sandstedt, pastor of the Bethlehem Lutheran church			
3:15	2:15	1:15	12:15
KOMO (305.9m-890kc) St. James cathedral			
WBAF (475.9m-630kc) vesper service, Baptist Ministry			
WGBH (475m-1100kc) St. John's Episcopal church			
4:15	3:15	2:15	1:15
WAL (447.5m-670kc) Little Brown church in the Vale			
7:20	6:20	5:20	4:20
WCCO (416.4m-720kc) Second Church of Christ, Scientist			
8:15	7:15	6:15	5:15
KVBO (374.8m-800kc) Trinity Episcopal church			
8:30	7:30	6:30	5:30
WIT (270m-1180kc) First Church of Christ Scientist			
9	8	7	6
KOL (305.9m-890kc) "An Eastern" program, All Saints Episcopal choir			
KFRC (296.9m-1010kc) Trinity Lutheran church			
WHAAD (277.1m-1060kc) Special Easter program, Trinity Lutheran church			
9:15	8:15	7:15	6:15
WVIL (384.4m-780kc) sermon, Paulist choristers			
9:45	8:45	7:45	6:45
KNRC (238m-1260kc) Pilgrim Lutheran church services			
9:45	8:45	7:45	6:45
KOA (322.4m-930kc) Service of Central Presbyterian church			
10:15	9:15	8:15	7:15
WCAU (277.6m-1080kc) Main St. Presbyterian church			
10:35	9:35	8:35	7:35
KGO (361.2m-830kc) First Presbyterian church			
11:45	10:45	9:45	8:45
WLS (344.6m-870kc) Bishop Francis John McCone			

SUNDAY, APRIL 17

Headliners

Eastern	Central	Mountain	Pacific
3 p. m.	1	1	12
WENR (266m-1130kc) Oriental quartet.			

Eastern	Central	Mountain	Pacific
3:30	2:30	1:30	12:30
WJWJ (352.7m-850kc) Detroit symphony.			
3	3	2	1
WCCO (416.4m-720kc) Norman male chorus			
7:30	6:30	5:30	4:30
WBO (226m-1300kc) North Dakota university glee club			
7:30	6:30	5:30	4:30
WJZ (454.2m-660kc) Utica Jubilee singers			
8:30	7:30	6:30	5:30
PWX (460m-750kc) Army band			
WHO (526m-570kc) Hotel Fort Des Moines orchestra			
WJZ (454.2m-660kc) "Alaska," Cook's travelogue			
8:30	7:30	6:30	5:30
KFI (467m-642kc) Russian Academy of Music ART			
WCAU (277.6m-1080kc) Philadelphians			
WJZ (454.2m-660kc) Giovanni Martiniell, tenor			
9:10	8:10	7:10	6:10
WPG (299.5m-1000kc) Giovanni Martiniell, Metropolitan tenor			
9:15	8:15	7:15	6:15
WEAF (491.5m-610kc) WFI (394.5m-760kc) WEEI (348.6m-860kc) WGR (319m-540kc) WOP (483.6m-620kc) WJAF (463.6m-620kc) WCO (416.4m-720kc) WWT (352.7m-850kc) WTAM (369.4m-770kc) WSD (545.1m-550kc) WTAG (545.1m-550kc) WRC (468.5m-640kc) WEA (461.3m-650kc) WGN (302.8m-950kc) WSAI (325.9m-920kc) WHAS (439.8m-750kc) WWSB (428.3m-760kc) WSM (282.8m-1060kc) WGT (379.5m-790kc) WMC (499.7m-600kc) Jeannette Vreeland, soprano.			
9:30	8:30	7:30	6:30
PWX (400m-750kc) Sevilla-Titmouse orchestra			
WFAA (475.9m-630kc) Ruth Chase			
WGBS (316m-950kc) Special Easter program also to WIP.			
9:15	8:15	7:15	6:15
CNRW (405.2m-740kc) Jasper Park Lodge orchestra			
9:45	8:45	7:45	6:45
KEAB (340.7m-880kc) Frank Moore's studio players			
KTRB (374.8m-800kc) Music Lovers Hour—Meyer Davis Orchestra			
WHAD (275.1m-1090kc) Jean Hammond and Her Tune Tickers			
WHB (365.6m-740kc) Easter program, Frederick Carth players			
10:15	9:15	8:15	7:15
WEAF (491.5m-610kc) Olga Petrova, drama			
10:45	9:45	8:45	7:45
KFRC (296.9m-1010kc) Frank Tilton, blind pianist			
KRLD (357.1m-830kc) Semi-classical music			
WSUI (483.6m-620kc) familiar hymns, Mrs. Anna Barth, contralto			
10:45	9:45	8:45	7:45
WPG (299.5m-1000kc) "The Messiah" Atlantic City Festival choir			
11	10	9	8
KFI (467m-642kc) Kitty Short, soprano			
11:45	10:45	9:45	8:45
KFNB (461.3m-650kc) Methodist Church services			
12 mid.	11	10	9
KGO (361.2m-830kc) Ben's Little symphony			
PWX (400m-750kc) Montmartre club			
WFAA (475.9m-630kc) La Mariquita and her Castilian orchestra			
1 a. m.	12	11	10
KFI (467m-642kc) Alma Frances Gordon, contralto			

Regular Sunday Features

Eastern Time Stations

CFCA Toronto, Can. (356.8m-840kc) 11 a. m. services; 8 p. m. church service

KDKA Pittsburgh, Pa. (309.1m-970kc) 11 a. m. services; 4 p. m. organ; 4:45, service; 6:30, little symphony; 7:45, service; 9, WJZ; 9:30, WJZ

PWX Havana, Cuba (399.8m-750kc) 8:30 p. m. songs; 9:30, orchestra; 11, frolic

WAIU Columbus, Ohio (293.8m-1020kc) 7:20 p. m. church service

WBAI Baltimore, Md. (246m-1220kc) 6:30-7:30 p. m. orchestra

WBBR New York, N. Y. (416.4m-720kc) 10 a. m. music, church singers; 2 p. m. Warshawer string quartet, vocal; Bible lecture; 7, vocal selections

WBZ Springfield, Mass. (333.1m-800kc) 10:45 a. m. services; 6:30 p. m. ensemble; 7, organ; 7:30, program; 9:30, WJZ

WCAE Harrisburg, Pa. (461.3m-650kc) 6:30 p. m. orchestra; 7:15, WEAF; 9:15, WEAF

WCAU Philadelphia, Pa. (277.6m-1080kc) 11 a. m. services; First Unitarian church; 5, recital; 5:15, Unconventional church services; 5:25, sermon; Rev. John W. Stockwell; 6, concert; 7:30, Cathy Garden orchestra; 8:30, Bonwit Teller Ensemble; 10:30, orchestra

WCSH Portland, Me. (489.7m-600kc) 10 a. m. Central St. church; 4 p. m. WEAF; 6:30, Twilight trio; 8, organ; 7:30, Baptist church

WCX Detroit, Mich. (516.9m-800kc) 7:15 p. m. Central Methodist Episcopal church

WFAA (475.9m-630kc) WFI (394.5m-760kc) WEEI (348.6m-860kc) WGR (319m-540kc) WOP (483.6m-620kc) WJAF (463.6m-620kc) WCO (416.4m-720kc) WWT (352.7m-850kc) WTAM (369.4m-770kc) WSD (545.1m-550kc) WTAG (545.1m-550kc) WRC (468.5m-640kc) WEA (461.3m-650kc) WGN (302.8m-950kc) WSAI (325.9m-920kc) WHAS (439.8m-750kc) WWSB (428.3m-760kc) WSM (282.8m-1060kc) WGT (379.5m-790kc) WMC (499.7m-600kc) Jeannette Vreeland, soprano.

H & B Battery \$2 Charger ONLY \$2

SATISFACTION GUARANTEED

THIS wonderful charger—the sensation of the entire radio industry—charges any type of storage A or B battery, using only a few cents worth of ordinary house current. Works perfectly on either alternating or direct current.

Cannot possibly injure your battery, and will last for years. Many radio fans find it a tremendous success as a trickle charger. Complete and simple directions enclosed with every charger, so that anyone can operate it. There are absolutely no expensive "extras" to buy.

Why pay \$10.00 to \$15.00 for a charger when you can get this splendid **GUARANTEED R. B. Charger** by simply signing the coupon below and mailing it to us with two dollars (bills, money order, check or stamps) plus 10c in stamps or coin to pay mailing costs. The charger will be sent post-paid. If, for any reason, you should not be perfectly satisfied, return the charger within five days and we will refund your money.

Mail the coupon at once—TODAY

R. B. SPECIALTY CO.
Dept. J-9, 318 Sycamore Street
Cincinnati, Ohio

Gentlemen:
Enclosed is two dollars, plus 10c for post. Also, send me one R. B. Charger with full instructions. It is understood that if I am not satisfied with the charger, I may return it within five days and you will refund my money.

Name.....
Address.....
Town..... State.....

R. B. SPECIALTY CO.
Dept. J-9, 318 Sycamore St.
CINCINNATI, OHIO

The New SUNCHORNE CONE



HEAR this Cone on both music and voice and you'll never be satisfied with any other. Equipped with super-powered unit with four heavy magnets, balanced and angularly spaced. Rich wine-colored silk front, unbreakable mahogany finish frame, protected back.

Ask Your Dealer or Write Us.
BOUDETTE MFG. CO.
Chelsea, Mass.

\$25

Steinite

Greatest \$1 Value in Radio Today

Interference Eliminator

No Radio Set Complete Without It

Select stations at will. Especially necessary for 1 and 2 dial controlled sets. Under present conditions the average set fails to bring in the desired stations properly. The Steinite Interference Eliminator shuts out local and other interference. You get one station at a time, the one you want, and tune in loud and clear. Operates on any set—attach to aerial wire and to set—no changes—no extra tubes or batteries.

New 1927 Model
Over 600,000 Sold.

Improved Results with Tube or Crystal

Try entirely at my risk the wonderful improvement this inexpensive little device will make in the reception of your set. Improves results on both crystal and tube sets that use any kind of aerial except loop antennas. Clears up reception wonderfully, increases volume, and partially absorbs static. Money-Back Guarantee. Put this interference eliminator on your set and note amazing improvement. No tools needed—install in a moments time. Connect with set and follow simple instructions. Money back promptly if not delighted. **\$1 postpaid** when cash with order. ORDER TODAY—a dollar bill will do. REFERENCES: Atchison Savings Bank.



\$1 Postpaid

If you are not delighted with your dollar back results you get your dollar back

New Steinite Light Socket No-Battery Radio \$109. Loud Speaker Built in \$125. Console Built-in Speaker \$150. Write for descriptive literature before buying any expensive Battery Set. Steinite Long Distance Crystal Set \$6; Aerial Eliminator \$1; Noise Eliminator \$1; Crystals 50c or 3 for \$1.

STEINITE LABORATORIES, 408 Radio Bldg., ATCHISON, KANSAS

PROOF!

"Your \$2.00 Battery Charger is the best radio investment I ever made in my life."
E. M. Fields, Mich.

"I would have thought I had a bargain in your Battery Charger if I had paid double your low price of \$2.00."
R. J. Wood, Penna.

"Congratulations on your Battery Charger. Mine works perfectly."
E. C. Albion, Ohio.

"Not only is yours the lowest priced, but it is the best Battery Charger I ever saw."
N. Garfinkle, Texas.

WJZ New York, N. Y. (454.2m-650kc) 9 a. m. children's hour; 11-12:30, Park Avenue Baptist church; 1:35-5:30 p. m. vesper service; 7 organ; 8, orchestra; 9, 8:30, Cook's hour; 9, orchestra; 9:30-10:30, Collier's review, WBZ, KDKA, KYW.

WLW Cincinnati, Ohio (422.3m-710kc) 11 a. m. Seventh Presbyterian church; 2 p. m. organ; 7:30 service; 8:30, Beethoven program; 8:50, Crosley concert orchestra.

WLW New York, N. Y. (284.4m-780kc) 8:15-9:15 p. m. Faust chorietta.

WMAK Buffalo, N. Y. (285.5m-1130kc) 10:25 a. m. service; 3 p. m., WEFL; 7:50, First Church of Christ, Scientist.

WMBF Miami Beach, Fla. (384.4m-780kc) 7 p. m. dinner concert; 8, popular program; 10, dance music.

WMC New York, N. Y. (340.7m-880kc) 6 p. m. Romer's Homers; 7, Ernie Golden and his Hotel Alcañon orchestra; 9, Moment musicale; 10, Virtuosi.

WNAO Boston, Mass. (440.1m-697kc) 10:55 a. m. service; 7:30, evening service; 9:05, symphony orchestra.

WOR Newark, N. J. (405.2m-740kc) 6 p. m. ensemble; 7:45, concert.

WOP Atlantic City, N. J. (299.8m-1000kc) 3:15 p. m. organ recital, Arthur Brook; 4:15, community vocal and instrumental recital; 5:15, concert; 9, news; 9:10, concert orchestra; 10, Sunday evening concert.

WRC Washington, D. C. (468.5m-640kc) 11 a. m. service; 3 p. m. chapel; 6:45, vespers; 7:20, WEAF; 9:15, WEAF.

WSAI Cincinnati, Ohio (325.3m-820kc) 11 a. m. church service; 3:45 p. m., chimes; 4:55-5:30, WEAF; 8, serenade; 9:15, WEAF.

WSKC Bay City, Mich. (260.7m-1150kc) 11-12 noon service.

WTAG Worcester, Mass. (545.1m-550kc) 7:40 p. m. WEAF.

WTAM Cleveland, Ohio (389.4m-770kc) 10:25 a. m. service; 3 p. m. musicale; 6:30, hotel orchestra; 7, theater orchestra; 8, services; 9:15, WEAF; 10:15, orchestra.

WTC Hartford, Conn. (475.8m-630kc) 6 p. m. State theater concert.

WVJ Detroit, Mich. (352.7m-820kc) 10 a. m. service; 3:30 p. m. orchestra; 7:20, WEAF; 9:15, WEAF.

Central Time Stations

CKY Winnipeg, Can. (384.4m-780kc) 11 a. m. Wesley church; 7:45-8:30 p. m. First English Lutheran church; 9-10, Royal Alexander hotel.

KFAB Lincoln, Neb. (340.7m-880kc) 9:10-30 p. m. Sunday evening musicale.

KFH Wichita, Kan. (268m-1120kc) 7 p. m. church service.

KFNF Shenandoah, Iowa (461.3m-650kc) 2:30 p. m. Seed House song service; 3, program; 6:30, Golden Rule Circle.

KLDS Independence, Mo. (440.5m-860kc) 8:30 a. m. Bible study; 1, Stone church; 2 p. m. Radio church; 6:30, vespers; 8, studio service.

KMA Shenandoah, Iowa (461.3m-650kc) 4-6 p. m. sacred program.

KMOX St. Louis, Mo. (290.2m-1070kc) 8 p. m. orchestra; 9, Sunday night club; 10:30-12, ballroom.

KOIL Council Bluffs, Iowa (395.5m-980kc) 11 a. m. First Congregational church; 7, children's hour; 7:30, program; 11, Paramount orchestra.

KPRC Houston, Texas (299.8m-1000kc) 7:30 p. m. church service; 9:30, evening concert.

KSO Clarinda, Iowa (405.2m-740kc) 11 a. m. M. E. church.

KTHS Hot Springs National Park, Ark. (374.8m-800kc) 11 a. m. 12:15 p. m., service; 9:45, Meyer Davis ensemble, classic hour concert; 10, organist; KVOO Bristol, Okla. (374.8m-800kc) 1 p. m. program; 5, gospel hour; 7:15, church service; 12, orchestra.

KWWS Brownsville, Tex. (277.6m-1080kc) 9:30 p. m. sacred music.

KYW Chicago, Ill. (535.4m-560kc) 11 a. m. Central church service; 4:30 p. m. studio concert; 8:3-9:30, WJZ; 9:30-11, classical concert.

WAMB Minneapolis, Minn. (243.8m-1200kc) 10:20 a. m. service; 6, players; 9:15, Gayle Wood.

WBAF Fort Worth, Texas (476.5m-630kc) 11 a. m. church service; 12:30-1:30 p. m., vesper; 5:45, vesper services, Baptist seminary; 9:30-11, Sorin-White Texas hotel orchestra.

WBBM Chicago, Ill. (226m-1330kc) 8 p. m. Coon-Sanders' Night Hawks; 9:15, melody time; 12, Natty club; Coon-Sanders' orchestra.

WCBD Zion, Ill. (344.6m-870kc) 8 p. m. Sunday evening musicale.

WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 10:50 a. m. services; 4:10 p. m. House of Hope Presbyterian church; 7:20, Second Church of Christ, Scientist; 8:15, WEAF; 9:15, musical program; Chippewa Indians; 10, St. Paul Municipal organ recital; Hugo Philer orchestra.

WCEL Chicago, Ill. (491.5m-610kc) 2-5 p. m. fellowship club; 7:45, Belden Avenue Baptist church.

WDAF Kansas City, Mo. (383.8m-890kc) 3-4 p. m. Star's orchestra; 4:4-4:55, vespers.

WDDO Chattanooga, Tenn. (268.2m-1250kc) 11 a. m. service; 5, Bible forum; 7:30, service; 9:30, concert.

WEBH Chicago, Ill. (370.2m-810kc) 10:35 a. m. Seventh Church of Christ, Scientist; 5-6 p. m. twilight musicale; 7-9, artists' program.

WEMC Berrien Springs, Mich. (315.6m-850kc) 11 a. m. studio sacred services; 8:15 p. m. chapel.

WENR Chicago, Ill. (265.3m-1130kc) 2-4, classical program; 9:30-12, Rastland trio.

WFAA Dallas, Texas (475.8m-620kc) 6-7 p. m. Bible club; 7:30-8:30, services; 8:30-9:30, artists; 11-12, orchestra.

WGBF Evansville, Ind. (238.1m-1270kc) 7:30 p. m. service.

WGN Chicago, Ill. (302.8m-990kc) 6:45-7 p. m. Blackstone string quintet, solo artists; 7, The Million Sing; 7:20, Orlan Fachionese; 7:30, Drake concert ensemble; Correll and Godden; 8, Auld Sandy; 8:15, WEAF; 9:15, Our Music Room; 10, Sam W. Henry; 10:10, Armand Buisseret, violinist; 10:20, Bible reading; 10:25, piano.

WHDH Milwaukee, Wis. (275.1m-1080kc) 3:15 p. m. headliners; 8, concert company; 9, popular program.

WHAS Louisville, Ky. (399.8m-750kc) 10 a. m. services; 3:30-5:30 p. m. choral evening; 6:20, WEAF; 8:15, WEAF.

WHB Kansas City, Mo. (365.6m-820kc) 9:40 a. m. Linwood Blvd. Christian church; 11:10-12:30, Independence Blvd. Christian church; 7:45, Dr. Dennis A. Jenkins; 8:5, church; 9, musicale; 11:05-1, Merrill Moore, organist; Don Anchors, poet.

WHO Des Moines, Iowa (526m-570kc) 11 a. m. service; 5-6 p. m. Bankers Life Little symphony; 7:30-8:30, orchestra.

WHT Chicago, Ill. (399.8m-750kc) 1 a. m.-12 mid. Paul Kader.

WIBO Chicago, Ill. (225.4m-1330kc) 6-7 p. m. ensemble; 7-8, Lorraine hour; 10:12, orchestra.

WJAZ Chicago, Ill. (329.5m-910kc) 6:30-9 p. m. Sunday evening concert.

WJJD Mooseheart, Ill. (370.2m-810kc) 7:45-8:45 a. m. Catholic services; 9:30-10:30, Protestant services; 1-2 p. m. Howard Peterson, organist; 2-2:30, Bible class; 2:30, Sacred song service; 3-4, popular concert; 4-5, Palmer House Sunday symphony orchestra; 9:30, piano specialties.

WLAN Nashville, Tenn. (225.4m-1330kc) 9:15 p. m. service.

WLIC Chicago, Ill. (302.8m-990kc) 5-6:15 p. m. program.

WLS Chicago, Ill. (344.6m-870kc) 10:45 a. m. University of Chicago service; 12:15, Elsie Mae Look, organist; 1:30-2:30, chapel service; 6-8, WLS Little Brown church.

WMAQ Chicago, Ill. (447.5m-630kc) 7 Chicago Sunday Evening club; 9:15, classics.

WMBB Chicago, Ill. (249.9m-1200kc) 3-6 p. m. Sunday afternoon concert; 7:40, Fifth Church of Christ, Scientist; 9-11, Trianon orchestra, artists.

WMC Memphis, Tenn. (468.7m-600kc) 11 a. m. church service; 6:30, WEAF; 8:15, WEAF.

WQAI San Antonio, Tex. (394.5m-760kc) 11 a. m. First Presbyterian church; 7:45, Central Christian church.

WOC Davenport, Iowa (483.6m-620kc) 1-2 p. m. old folks' musicale; 6:30-7, church service; 8:15-9:15, WEAF; 10-11, Palmer Little symphony.

WOK Chicago, Ill. (410.7m-720kc) 9-12:30 a. m. orchestra.

WOO Kansas City, Mo. (278m-1060kc) 11 a. m. Unity service; 7 p. m. evening service; 7:45, Grand Avenue Methodist church.

WORD Chicago, Ill. (275.1m-1090kc) 10 a. m. I. B. S. A. service; 2:30 p. m. Chicago Rapid Transit company program; 3:30, Bible lecture; 7, Webster hotel duo orchestra; 9, I. B. S. A. choral singers.

WOW Omaha, Neb. (526m-570kc) 9 a. m. Omaha Gospel tabernacle; 1:30 p. m. Father Flanagan's Boys' home period; Bible study; 9, chapel service.

WQJ Chicago, Ill. (447.5m-670kc) 10:45 a. m.-12:45 p. m. People's church; 3-4, musical program; 8:10, popular program; Radio Garden orchestra.

WRR Dallas, Tex. (245.8m-1220kc) 11 a. m. service; 8 p. m. service; 9:30, program.

WSB Atlanta, Ga. (428.5m-700kc) 6:20 p. m. WEAF; 9:15, WEAF.

WSBC Chicago, Ill. (288.3m-1040kc) 5-7 p. m. Sunday service; 3 p. m. afternoon musicale; 6:30, organ; 7:45, church service.

WSM Nashville, Tenn. (282.8m-1060kc) 6:20 p. m. WEAF; 7:15, service; 9:15, WEAF.

Mountain Time Stations

KOA Denver, Colo. (322.4m-950kc) 11 a. m. church service; 3 p. m. afternoon musicale; 6:30, organ; 7:45, church service.

Pacific Time Stations

KFI Los Angeles, Calif. (467m-620kc) 7:3 p. m. organ; 8:5, classic hour; 9:10, Bob Botter's Virtuosi; 10-11, Packard Big dance orchestra.

KFWB Hollywood, Calif. (352m-1090kc) 8:30-9 p. m. music; 9-11, radio.

KGO Oakland, Calif. (361.2m-590kc) 11 a. m. service; 6:30-7:30, Little symphony; 7:35, service; 9:10, symphony.

KJRH Portland, Ore. (491.5m-610kc) 11 a. m. church; 7:30-9 p. m. church; 9:10, symphony orchestra.

KHJ Los Angeles, Calif. (406.2m-740kc) 7-8 p. m. service; First M. E. church; 8:10, request program.

KJR Seattle, Wash. (384.4m-780kc) 11 a. m. service; 6:30, dinner concert; 7:15, organ.

KKNX Hollywood, Calif. (358.5m-800kc) 6:30 p. m. service; 9, features.

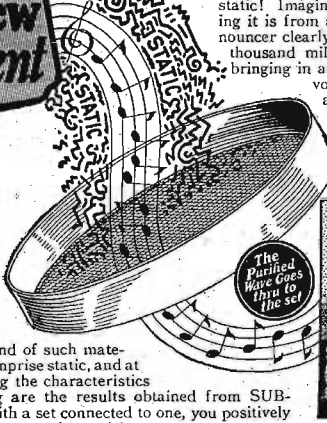
KOIN Portland, Ore. (318m-940kc) 6 p. m. dinner concert; 7:50, service; 9:10, concert.

KOMO Seattle, Wash. (305.9m-980kc) 11 a. m. service; 6 p. m. orchestra; 7:50, service; 9:15, Bible Student's association.

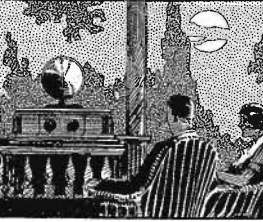
astounding results proclaim SUBANTENNA the one, great, new Radio improvement

Amazing, New Underground Antenna System Works Like a Sieve

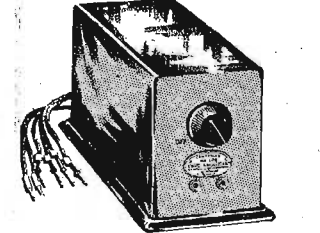
Think of the broadcast music as fine sand and the static, arclight sputters and other unwanted noises as large pebbles. SUBANTENNA acts like a sieve. The screen holds back the large static pebbles, but lets the music, or sand, sift through. In reality, SUBANTENNA is a scientifically designed high frequency wave filter, so constructed and of such material, as will retard the passage of such impulses as comprise static, and at the same time offer an easy path to impulses having the characteristics of the broadcast wave. So absolutely astounding are the results obtained from SUBANTENNA, that until you have spent an evening with a set connected to one, you positively have no idea how truly clear and wonderful distant reception can be.



Yes, it is now possible. Loud, clean, clear, crisp distant reception right through raging summer static! Imagine listening to beautiful music, thinking it is from a local station, then hearing the announcer clearly speak the call letters of a station a thousand miles away. Imagine the pleasure of bringing in amazingly pure DX with tremendous volume on the same set with an old type aerial, gets mostly rasping noise! No wonder SUBANTENNA is acclaimed one of the greatest new things in Radiol! No wonder we can make our 6 p. m. orchestra; 7:50, service; 9:15, Bible Student's association.



An Extra Stage of Amplification



Centralab Tone Amplifier

A highly efficient, attractive-appearing power amplifier which gives any set better tone and greater volume, without distortion, from any station tuned in. Using the -71 tube, the Centralab Tone Amplifier reproduces tone and volume so faithfully that the artist seems actually moved into your presence. One knob controls volume from whisper to maximum. A tone filter protects the speaker. Easily attached in a few minutes without tools or alterations. An attractive walnut finish cabinet that will harmonize with most sets. A demonstration will convince you. At your dealer's, or write us for details mentioning your dealer's name. CENTRAL RADIO LABORATORIES 12 Keeffe Avenue Milwaukee, Wis. Parts Makers for Leading Set Manufacturers NEW Centralab Station Selector Tunes out short wave length local interference. Ask your dealer, or send \$1.00 Satisfaction guaranteed.

Read PROOF of the Startling Performance of Subantenna

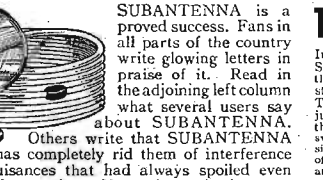
"Subantenna you adapted me now working and results are good. Had WJZ, WLS, KDKA, WTAX, WSM and others during thunderstorms. Signed L. T. DONALDSON, M. D., Louisiana

"I have a six-tube set and after installing Subantenna I received greater distance than ever before. On January 18th, I received a program from my set broadcasted from Buenos Aires, South America, at 10:15 in the evening. I never could receive such distance on my outside antenna. Signed W. C. FREYMUTH, River Forest, Ill.

"I am able to report that static which was a source of much annoyance before, has been entirely eliminated so far as I am able to observe. For clarity and for less contribution to selectivity I think the Subantenna is the best device I have ever had any experience with. Signed, REED L. PARKER, Chicago.

"I am glad to report to you the wonderful reception that I receive, that without interference or static of any kind. It is, indeed, a wonderful thing for radio and my opinion is that it will revolutionize the industry." Signed, CARL DESSAUER, Kansas.

Filters Out So Much Static and Noise you Never Know They Exist



SUBANTENNA is a proved success. Fans in all parts of the country write glowing letters in praise of it. Read in the adjoining left column what several users say about SUBANTENNA. Others write that SUBANTENNA has completely rid them of interference nuisances that had always spoiled even their local reception. Not only static, but arclight sputters, leaky power line crackles and a host of other disturbing noises. So much sweeter—so much better—does SUBANTENNA make local as well as distant reception; such a tremendous improvement does it make in both the winter and summer performance of any radio set, that no one, once he has used SUBANTENNA, would ever go back to the old style aerial again.

TRIAL OFFER MAKE THIS Convincing Test

Install SUBANTENNA. Leave your old aerial up. Select a bad night when DX is almost impossible with the ordinary aerial. Make a comparison station for station, connecting first your aerial, then SUBANTENNA. If from stations that are just a mess of jumbled noise with the old aerial, you don't get reception that rivals local in sweetness and clarity the instant you switch to SUBANTENNA, this test won't cost you even a single penny. Send coupon at once for scientific explanation of SUBANTENNA and for particulars of GUARANTEE and FREE TRIAL OFFER. Send COUPON NOW!

CLIP AND MAIL AT ONCE

CLOVERLEAF MFG. CO.
2714-T Canal St., Chicago

Tell me all about SUBANTENNA, your unequalled, unconditional guarantee and your FREE TRIAL OFFER.

Name.....
Address.....

Centralab

CLOVERLEAF MFG. CO. 2714-T CANAL ST. CHICAGO

KPO San Francisco, Calif. (422.2m-700kc) 6 p. m. States Restaurant orchestra; 6:35, Palace hotel concert orchestra; 8:25-10, Rudy Snieper's Fairmont hotel concert orchestra; 10-12, Trionfo ballroom. KFSN Pasadena, Calif. (215.5m-550kc) 10:30 p. m. Family altar service, United Brotherhood; 6-7 p. m. concert. KYA San Francisco, Calif. (393.5m-750kc) 11 a. m. central Methodist Episcopal church; 7:30 p. m. service.

Sunday, silent night for: CKAC, CKNC, CNRW, KEDY, KFRD, KFI, KGO, WABC, WCFP, WCOM, WDAF, WFI, WGBF, WEHH, WGHF, WHAD, WJID, WJR, WLIT, WLWL, WNYC, WOJ, WOR, WQSB, WRVA.

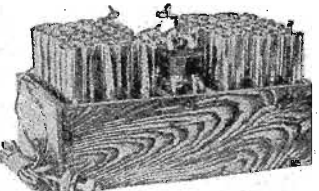
MONDAY, APRIL 18 Headliners

Eastern 5:30 p. m. Central Mountain Pacific 5:30 WGBS (31.5m-50kc) Belgian string trio. 7:15 7:15 5:15 4:15 WGBS (31.5m-50kc) Sir Curtis Lamson Bar-Through the Mysterious Soudan to Timbuctoo. 7:30 7:30 5:30 4:30 KSO (405.2m-740kc) Frank Sinatra. WFAA (475.9m-630kc) Harmony trio. WFIAD (275.1m-1020kc) Organology. WFIAD (275.1m-1020kc) Collar City male quartet. WFR (465.5m-520kc) McTear and Jensen harmonium team. 7:30 7:30 6:30 5:30 KFNP (461.3m-630kc) John DeLano and Old Time Fiddlers. 8:35 7:35 6:35 5:35 WFG (289.5m-1000kc) James W. Way, Ace tenor. 8:45 7:45 6:45 5:45 WLW (225.4m-150kc) Commodore's orchestra. 9 9 8 7 CRO (434.5m-690kc) CYRO string quartet. KOIL (305.5m-520kc) Sura Service sections. WFTC (475.5m-630kc) Windsor band. 9:30 9:30 8:30 7:30 KRWG (275m-1050kc) Mrs. G. J. Cornett, soprano. WGHF (236m-1270kc) Hayseed band. WNSM (319m-940kc) Billy Broussard, Louis Doyler. CKNC (37m-840kc) Little Symphony. KFI (467m-645kc) Missions brass band. KMA (461.3m-650kc) Marimba, Hugo Horn. KTHS (374.5m-800kc) Spanish Serenade by Meyer Davis orchestra. WEAF (491.5m-610kc) and chain, "Tales of Hoffman." WNY (440.9m-680kc) Christian college program. 10:15 10:15 9:15 8:15 KOA (322.4m-320kc) "The Hotel City" by Mountain States Telephone and Telegram Co. 10:30 10:30 9:30 8:30 KRIT (357.1m-830kc) Henri Maréchal, pianist. NWSC (348.5m-560kc) Nurma Suarin, pianist. WDAF (475.5m-630kc) Blue Moon entertainers. WGHF (236m-1270kc) Phantom. WEAD (275.1m-1000kc) Nonpianist entertainers. WJID (483.6m-620kc) Flender's Bohemian band. 11:15 11:15 10:15 9:15 KFAN (340.7m-800kc) Priscilla Brown. 11:20 11:20 10:20 9:20 WLWL (384.4m-780kc) K. C. Club hotel orchestra. 11:40 11:40 10:40 9:40 KOMO (305.9m-520kc) "Robin Hood" Totem orchestra. 11:45 11:45 10:45 9:45 KTHS (374.5m-800kc) Ukulele Lady, Grace Brown. WSH (428.3m-700kc) Charlie Trouts Melody artists. 11:55 11:55 10:55 9:55 KTHS (374.5m-800kc) Three Little Boys in Blue. 12 12 11 10 KFET (467m-642kc) vaudeville artists, by Melicé-John Bros.

Regular Monday Features

Eastern Time Stations CFCA Toronto, Can. (356.9m-840kc) 7:15, organ recital. Clifford McCormick. KDKA Pittsburgh, Pa. (309.1m-970kc) 7 p. m. WJZ 8:30, concert; 9:30, WJZ 10:30, studio program. WABC New York, N. Y. (415.5m-680kc) 7:30 p. m. artist recital; 9, Barre ensemble; 12, dance orchestra; 1 a. m. vaudeville. WAWU Columbus, Ohio (293.5m-1020kc) 8:10 p. m. artist recital; 9, Klugestaste hour; 10, Radio production. WBAL Baltimore, Md. (246m-1220kc) 6:30-7:30 p. m. dinner orchestra; 7:30-9, organ recital, Frederick Wewer; 8-1, musical program; 9-10-10, ensemble; 10-11, concert; 11-12, dance orchestra. WBS Springfield, Mass. (333.1m-900kc) 7 p. m. WJZ 8:30, program; 9:30, WJZ 10:30, studio program. WCAE Pittsburgh, Pa. (461.3m-650kc) 6 p. m. William Penn hotel orchestra; 7:45, talks; 8:30, WEAF; 9-11, WEAF. WCAU Philadelphia, Pa. (277.6m-1080kc) 7:30 p. m. recital; 8, hour of music; 9, musicale; 11:30, Pennsylvania dance orchestra. WCSH Portland, Me. (499.7m-600kc) 9 p. m. WEAF; 10, WEAF; 11, organ. WGX Detroit, Mich. (416.5m-580kc) 6 p. m. dinner program, Goldkette ensemble; 6:15, Skeezix time; 8, studio program. WDBO Winter Park, Fla. (239.9m-810kc) 8:55 p. m. citrus talk; 9:10, musicale. WEAF New York, N. Y. (415.5m-680kc) 6 p. m. dinner music; 7, music; 7:30, National String quartet. NSD, 9, old-time minstrels; WLIT, KSD, 8:30, Sir George Harrison; WJZ, 10, Lillian Wald. WCAE, WTAM, WWL, WEA, KSD, WCCO, 9, A. P. Gomez; WJZ, WDAF, WSAI, WRC, 10, WTAM, WLIT, WVA, WDAF, WSAI, WRC, 10, WEAF Grand Opera company, WJAR, WCAE.

90 VOLT \$12.75 POWER UNIT



Hums, line noises, etc., positively impossible with this new advanced unit. Plug in and forget. Non-acid and noiseless. All detector and intermediate voltages plainly marked. Simpler to hook-up than dry cells. Operates any type set, 12 to 24 tubes. Greater volume and clearness guaranteed. If not thoroughly satisfied return after using 30 days for complete refund. Guaranteed further 2 years. For 110-120 volts, A. C., 25 to 60 cycle current, 90 volts-\$12.75, 110-\$13.75, 135-\$17.50, 157½-\$19.50, 180-\$24.00, 202½-\$26.00. Also built for D. C. current, 110 and 32 volts, at only \$3.00 additional; any size above. Ample stocks—same day shipments. Simply say—ship C. O. D., or write for my interesting literature, testimonials, etc.

B. HAWLEY SMITH 330 Washington Ave., Danbury, Conn., U. S. A.

WCSH KSD, WDAF, WSAI, WLIT, WRC. WTAG 11, Roger's Palais D'Or orchestra. WEEL Boston, Mass. (348.5m-580kc) 6:45 p. m. Big Brother club; 8:30-10, WEAF, 10, music. WFIH Clearwater, Fla. (355.4m-545.8kc) 8:30 p. m. studio musicale; 10:30, Radio Barbers. WFI Philadelphia, Pa. (394.5m-760kc) 6:45 p. m. Adelphi French Radio orchestra; 9:10, studio program. WCBX New York, N. Y. (315.6m-950kc) 6:30 p. m. WGHF Detroit, Mich. (270.1m-1110kc) 6:3 p. m. dinner concert, Hotel Teller; 8:30-10, Little symphony orchestra; 8:30-9:30, famous composer's hour; 9:30-10, studio program. WGR Buffalo, N. Y. (319m-640kc) 6:30-7:30 p. m. dinner music; 8:30, musicale; 9:10, dance program; 11-1, supper music. WGY Schenectady, N. Y. (379.5m-790kc) 6:30 p. m. dinner music; 8:30, musicale; 9:10, dance program; 11-1, supper music. WHAZ Troy, N. Y. (379.5m-790kc) 8-12 mid. music; talks. WHK Cleveland, Ohio (272.6m-1100kc) 7-9 p. m. specialty night; 9-10, studio concert; 10-11, serenades. WHN New York, N. Y. (361.2m-830kc) 7-9 p. m. WHN Radio Movie club; 8:30, Roseland dance orchestra; 10:30, artists; 11, entertainers; 11:30, WLIC Bridgeport, Conn. (232.4m-1290kc) 8 p. m. to be announced; 11, Buggy Riders. WIP Philadelphia, Pa. (306.2m-690kc) 6:10 p. m. Club Madrid; 7, Uncle Wags bedtime stories; dancing lessons. WJAP Providence, R. I. (483.1m-618kc) 8 p. m. music; 9-11, WEAF. WJAX Jacksonville, Fla. (336.9m-890kc) 7-7:30 p. m. dinner music; 8:30, Jacksonville Little symphony; 11-12, Arade theater. WJZ Detroit, Mich. (516.9m-880kc) 7 p. m. Jean Goldkette's Petite symphony orchestra, soloists; 7:15, Casper Lingsman entertainers; 9, program. WJZ New York, N. Y. (454.5m-620kc) 8:30, Roxxy and his band; WJZ-WBZA, KDKA, KYW, WSCR, WHAS, WSM, WSM, 8:30, orchestra; 9:30, Kaud light opera hour; WJZ-WBZA, KDKA; 10:30-11:30, Al Friedman orchestra. WJZ Philadelphia, Pa. (394.5m-760kc) 8, WEAF. WJZ Cincinnati, Ohio (232.4m-710kc) 7 p. m. orchestra; 7:40, orchestra; 10, Fire Fighter concert; 11, Crosby hamlet Gathers. WLWL New York, N. Y. (384.4m-780kc) 8-11 p. m. program. WMAK Buffalo, N. Y. (265.5m-1130kc) 6:15 p. m. dinner music; 7:30, dance program; 8, concert. WMFB Miami Beach, Fla. (384.4m-780kc) 7 p. m. orchestra; 8, popular program; 10, dance orchestra. WMCA New York, N. Y. (340.7m-800kc) 6:30 p. m. Ernie Golden's Hotel Metropole orchestra; 11:30, Conway; 7:15, orchestra; 7:30, Hungarian orchestra; 8, talk; 12, entertainers. WJZ Boston, Mass. (430.1m-690kc) 8:05 p. m. program; 11, dance orchestra; 11:30, organ. WNYC New York, N. Y. (526m-570kc) 6 p. m. evening program. WOO Philadelphia, Pa. (508.2m-590kc) 8:30, address, Forest E. Dager; 9, concert; 10:30, dance orchestra. WOR Newark, N. J. (405.2m-740kc) 6:15 p. m. Jacques Jacobs Hotel Shelton ensemble; 6:45, music; 7, Jacques Jacobs Hotel Shelton ensemble; 8:25, Atlantic City, N. J. (298.8m-1000kc) 7:10 p. m. Arthur Brook, organist; 7:30, Hotel Rector dinner music; 8:15, quartet; 8:30, program; 10:30, studio program; 11, dance orchestra; 11:45, Gateway Casino. WSH Washington, D. C. (468.5m-640kc) 6 p. m. WEAF; 7, WJZ; 8:30-11, WEAF; 11-12, symphony orchestra. WRVA Richmond, Va. (256.3m-1170kc) 9, "Virginia Folk Lore," Dr. Douglas S. Freeman; 9:10, music; 11, Hotel Richmond Women's Glee orchestra. WSAI Cincinnati, Ohio (325.9m-920kc) 8:30, WEAF; 9, WEAF; 10 p. m., WEAF; 11, dance music. WSKC Bay City, Mich. (280.7m-1150kc) 9-11 p. m. dance music. WTAG Worcester, Mass. (545.1m-550kc) 8 p. m. program; 10, WEAF, 11, WEAF. WTAM Cleveland, Ohio (389.4m-770kc) 6 p. m. orchestra; 7, Park Theater orchestra; 8, orchestra; 8:30,

WEAF; 9, WEAF; 10, studio concert; 11:30, organ. WYIC Hartford, Conn. (475.6m-630kc) 6 p. m. Mother Goose; 8:30, Hotel Bond trio; 8, program; 11:15, Walter Davley, organist. WYD Detroit, Mich. (352.7m-850kc) 6 p. m. Dinner concert; 8, musical program; 8:30, WEAF; 9, WEAF. Central Time Stations CKY Winnipeg, Can. (384.4m-780kc) 8:30-9 p. m. Studio program; 9:10, Stewart Warner concert; 10-11, Reliable battery hour; 11-12, Capitol theater revue. KFAB Lincoln, Nebr. (340.7m-880kc) 5:30-6:30 p. m. Hotel Lincoln orchestra; 8:30-11, musicale. KRF Shenandoah, Iowa (461.3m-650kc) 7 p. m. Seed concert. KMA Shenandoah, Iowa (461.3m-650kc) 9-11 p. m. Ruby trio. KMOX St. Louis, Mo. (280.2m-1070kc) 6:30, quartet; 7:30, quartet; 9, soloists; 10, orchestra; 11, orchestra. KOIL Council Bluffs, Iowa (305.9m-980kc) 7:30, musical; 8, program; 9, play; 10, Crosby hour; 11, program. KPRC Houston, Texas (299.8m-1000kc) 7:30 p. m. Houstonians; 8:30, concert; 11, concert. KSO Clearlake, Iowa (405.2m-740kc) 6:30 p. m. old-time music. KTHS Hot Springs National Park, Ark. (374.5m-800kc) 9-11:20 p. m. musicale; 11:20-12, folk. KVOO Brittain, Okla. (454.5m-620kc) 8 p. m. musical; 8, Skelly hour; 12, Earl Thurston, organist. KRWG Brownsville, Tex. (277.6m-1080kc) 7:30 p. m. hand concert; 8:30, recital. WAMD Minneapolis, Minn. (243.8m-1230kc) 7:25 p. m. musical; 11, program. WABP Fort Worth, Texas (475.9m-630kc) 7:30-8:30 p. m. minstrel; 9:30-11, old time music; 11-12, program. WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 6:15 p. m. St. Paul hotel orchestra; 8, U. of Minn.; 9, Vaudeville; 10:10, dance program; 11:45, organ.

WCOM Pensacola, Fla. (252m-1100kc) 7 p. m. program. WDAF Kansas City, Mo. (389.6m-820kc) 6-7 p. m. School of the air; 8-9, WEAF; 9-10, WDAF; 11-12, Nighthawk frolic. WDD Chattanooga, Tenn. (256.3m-1250kc) 7-8 p. m. dinner hour. WEMC Berrien Springs, Mich. (315.6m-950kc) 8:15 p. m. Lighthouse Music Makers. WFAA Dallas, Texas (475.9m-630kc) 8:30-9:30 program. WGBF Evansville, Ind. (236m-1270kc) 7:20 p. m. children's program; 7:40, Gospel trio; 8:30, studio program; 10:35, orchestra. WHAD Milwaukee, Wis. (275.1m-1090kc) 6:15-7 p. m. dance selections; 8:30-9:30, program; 9:30-10, dance program. WHAS Louisville, Ky. (399.8m-750kc) 6 p. m. WEAF. WHB Kansas City, Mo. (365.6m-820kc) 7 p. m. m. Sweeney Radio orchestra. WHO Des Moines, Iowa (526m-570kc) 7:30-8 p. m. WHB dance orchestra; 11-12, dance program. WLS Nashville, Tenn. (444.6m-870kc) 5:40 p. m. Al Melgard, organist; 6, supperbill program; 6:40, Maurice Sherman's College Inn orchestra. WMO Memphis, Tenn. (499.7m-600kc) 8:30 p. m. music; 9:30, movie club. WOQ Kansas City, Mo. (278m-1080kc) 6:15 p. m. Sweeney Radio orchestra. WOJ Jefferson City, Mo. (440.9m-680kc) 7:30 p. m. music; 8:30, movie club. WOW Omaha, Neb. (526m-570kc) 6 p. m. orchestra; 6:50, classical; 9, Nash-Finch orchestra.

HERE IT IS! Marvelous Townsend only BELIMINATOR \$4.95 (Complete) 10 Days FREE TRIAL You are the Judge! Direct from Factory at lowest price on record

Here is great news! For half the price of a set of "B" batteries you can now enjoy greatly improved reception and be done forever with the nuisance of recharging and renewing unreliable "B" batteries. We make every part that goes in the Townsend "B" Eliminator in our own factory. That's the reason we can give it to you at such a low price—give you a high quality instrument backed by a real guarantee. Users report splendid results. A fine "B" Eliminator at the lowest price on record. Our 10 days Free Trial proves it. MONEY BACK If not amazed and delighted

You are not the judge. We could not afford to make this guarantee if we were not sure of the Townsend "B" Eliminator's splendid performance. Just plug into your electric light socket and in a moment you will realize what good reception means. Deliver up to 100 volts on any set, on direct or alternating current, any cycle. Gives full wave rectification. Full tone, clarity and volume—uninterrupted by screeches of fading batteries.

Rush Order Today! Simply fill out the coupon and slip it into an envelope with only \$1.00. Get it into the mail at once. Your "B" Eliminator will be sent you promptly by return mail. Deposit only \$3.45, plus postage, with the postman. Try out the Eliminator for 10 days—then if not astonished and thrilled by improvement in operation, return it to us and purchase price will be refunded in full. You don't need to put up with battery nuisance another day when it is possible to own a "B" Eliminator at this startlingly low price. Send for today.

TOWNSEND LABORATORIES 713 Townsend St. Dept. 17, Chicago, Ill. Attach Only \$1.00 to this Coupon

TOWNSEND LABORATORIES 713 Townsend St., Dept. 17, Chicago, Ill. Gentlemen: Attached find \$1.00. Kindly send at once Townsend "B" Eliminator, C. O. D., for \$3.95, plus postage, on guaranteed 10-day free trial. Name Address City State

BEA Radio Expert

Learn to Earn \$50 to \$250 a Week Free Book RICH REWARDS IN RADIO Tells How. If you're earning a penny less than \$50 a week, clip coupon below for FREE RADIO BOOK! Thousands of openings, good positions everywhere in this growing branch—new, big pay profession. Free Book gives all the facts. Radio needs trained men. Learn to be a Radio Expert and draw down big pay for the easiest and most fascinating work in the world.

I'll Train You Quickly At Home To Be A Radio Expert Stay home and hold your job—I'll bring you training to you, you learn quickly and easily in your spare time without leaving home. I guarantee to train you successfully or refund your money under the terms of a guarantee bond I give you upon enrollment. I supply you free of extra cost with all needed apparatus and receiving sets for practical work learning, so you can master Radio quickly, easily, at home.

Big Demand For Trained Men In Radio Every day N. R. I.-trained men taking good places in the Radio field. Thousands of openings now awaiting the trained man in this new profession. FREE EMPLOYMENT SERVICE WHEN YOU GRADUATE. Many other big features. Don't go along at \$25 or \$35 or \$45 a week when as a Radio Expert you could be pulling down real money for the same big days. Get the Facts—CLIP COUPON NOW.

SPECIAL BOOK AND OUTFIT COUPON National Radio Institute, Dept. D.D., 1141 17th St., N.W., Washington, D. C. I am interested in receiving your FREE RADIO BOOK and receiving set for practical work learning, so you can master Radio quickly, easily, at home. Name Address City State

Aerovox demand FILTER CONDENSER BLOCKS For Working Voltages of 200, 300, 400, 600 and 1000 Volts D. C. Flexible leads for connections eliminate all possibilities of leakage from soldering. AEROVON WIRELESS CORPORATION 6672 Washington Street Bethesda, Md., U. S. A.

WRR Dallas, Tex. (245.5m-122kc) 6 p. m. music; 8, band; 9:30, music; 11, poets' hour.

WSE Atlanta, Ga. (428.3m-790kc) 6, WEAFF; 10:45, program.

WSB New Orleans, La. (319m-940kc) 8:30-10:30 p. m. dance night.

WMOE Milwaukee, Wis. (245.5m-122kc) 7:30 p. m. program.

Mountain Time Stations KOA Denver, Colo. (322.4m-820kc) 8 p. m. Scheuerman's Colorado orchestra; 8:15, studio program.

Pacific Time Stations KFI Los Angeles, Calif. (467m-642kc) 7-8 p. m. music; 8:30, popular program; 9:10, program.

KFOA Seattle, Wash. (454.3m-660kc) 7 p. m. popular songs; 8:30, movie club; 10:30, Coyotes from K.H.O.

KFWB Hollywood, Calif. (525m-1190kc) 6:57 p. m. Pontiac dinner hour; 7:30, news; 8:9, program; 9:10, program; 10:11, Kaimie Jale room; 11-12, ballroom.

KGO Oakland, Calif. (361.2m-830kc) 6:55-5 p. m. Stanislas Ben's little symphony.

KCW Portland, Ore. (491.5m-810kc) 8:9, Venetian hour; 9:10, vaudeville; 10:12, dance music.

KHQ Spokane, Wash. (394.5m-760kc) 6:57 p. m. dinner music; 8:30-10, organ concert.

KJR Seattle, Wash. (384.4m-780kc) 6:15 p. m. dinner hour; 8-9, Goodrich Silvertron cord orchestra, KGA, Spokane.

KLX Oakland, Calif. (508.2m-590kc) 8 p. m. Studio program; 9:10, Lake Merritt Dances.

KMTV Hollywood, Calif. (370.5m-810kc) 8-10, program; 8, program; 9, feature; 10, feature; 11, feature; 12, feature.

KOIN Portland, Ore. (319m-940kc) 6 p. m. dinner concert; 7:30, educational talk; 8, program.

KOMO Seattle, Wash. (305.9m-980kc) 8:30 p. m. light opera; 10:30, music.

KPFA San Francisco, Calif. (424.3m-700kc) 6:30-7 p. m. States Restaurant orchestra; 7:30, Rudy Seager's Fairmont hotel concert orchestra; 8:9, music; 9:10, studio program; 10:11, Cabaret; 11:12, variety hour.

KWSC Fullerton, Wash. (348.6m-660kc) 7:30 p. m. students concert.

KYA San Francisco, Calif. (389.8m-750kc) 7:15 p. m. trio; 8, popular night; 10, orchestra.

Monday, silent night for: CFC, CKAC, CKKL, KFDM, KFDY, KGO, KHJ, KKL, KFSN, KYW, WBBM, WCBF, WCFB, WDFB, WDFL, WENR, WFL, WGFH, WGN, WGT, WGY, WHAS, WHT, WIBO, WIP, WJAZ, WJLD, WLII, WLSA, WMAQ, WMBB, WOAI, WOC, WOK, WORD, WQJ, WSAI, WSM.

TUESDAY, APRIL 19

Headliners

Table with 4 columns: Eastern, Central, Mountain, Pacific. Lists radio stations and their programs for Tuesday, April 19.

Eastern 8:30 p. m. WBBM (475.9m-630kc) Superior quartet.

Central 7:30 WGBS (316m-950kc) Martin Giliberto and Dr. Alfred C. Robyn, two-piano concerto.

Mountain 8:45 WHT (238m-1260kc) Ann Christensen, soprano.

Pacific 5:30 WBBM (475.9m-630kc) Superior quartet.

WDRB (316m-950kc) American Legion band.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WDBO Winter Park, Fla. (238.5m-1250kc) 8, program.

WEAF New York, N. Y. (481.5m-810kc) 6 p. m. dinner music; 7:10, talk, Columbia University; 8:30, Great Moments in History; 9, Evening hour; 10:30, WFLA.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WFLA (447.5m-670kc) Woman's symphony orchestra.

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

WJAX Jacksonville, Fla. (336.9m-590kc) 7:30-9 p. m. dance music; 8:9, popular program; 10-11, Jackson

Advertisement for 'famous Perfect ONLY' BATTERY ELIMINATOR. Includes text: 'Must Delight You—Or Your Money Back', 'Hooked Up In 60 Seconds', 'No mechanical knowledge necessary to connect the "Perfect" Eliminator.'

Advertisement for 'Perfect Eliminator Co.' featuring an image of the device and text: 'Operates Splendidly on Any Type of Set', 'You Take No Chances', 'Needs No Attention', 'Rush Order Today—Ten Days' Trial'.

Advertisement for 'Jewell Lightning Arrester' featuring an image of the device and text: 'Jewell Lightning Arrester', 'LISTED BY UNDERWRITERS', 'When lightning strikes it takes the shortest path to earth. That path may be through your set by way of your antenna.'

Table with 4 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their frequencies.

Table with 4 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their frequencies.

Table with 4 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their frequencies.

Table with 4 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their frequencies.

MONDAY, APRIL 25 Headliners

Table with 4 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their frequencies.

WEDNESDAY, APRIL 27 Headliners

Table with 4 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their frequencies.

FRIDAY, APRIL 29 Headliners

Table with 4 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their frequencies.

SHORT WAVES

By Marcella

(Continued from page 4)

Will the girls who wanted to know all about William Pay tune in at once for WGY on 379.5 meters, because here are his very words: "Probably you cannot deduce from the photograph that my hair is light brown, eyes blue, height, 5 feet 7 inches, age 27 years and do not believe there are enough wrinkles under my eyes to indicate that I was married in 1925. This probably is due to the fact that I was fortunate in marrying a good looking school teacher, or possibly it is because I am not home enough evenings to find married life a bore." Here are just a few of the things he does around the studio of WGY. He is announcer, director of the light opera company, one of the harmony twins, member of the Radio Four male quartet, bass fiddler in the WGY orchestra and baritone soloist. Besides this he reads all the correspondence addressed to the Schenectady station and acknowledges the major part. During his spare time he goes in for concert work and sings on Sunday in the Second Presbyterian church in Amsterdam, N. Y. Whes!



TUESDAY, APRIL 26 Headliners

Table with 4 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their frequencies.

THURSDAY, APRIL 28 Headliners

Table with 4 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their frequencies.

SATURDAY, APRIL 30 Headliners

Table with 4 columns: Atlantic, Eastern, Central, Mountain, Pacific. Lists radio stations and their frequencies.

You know there is something in this public speaking training. You are aware how popular Phil Carlin is. He has had almost all of the courses in Columbia university in voice training. Now here comes another announcer who is becoming popular in the Middle West and he is John Reed Tyson of WGN. For nine years Mr. Tyson has conducted his own school of speech training. He has been a reader and an entertainer. He is married and has two children and he says his only bid for fame is the fact that he has never had a mash note. What do you think about that, Mrs. Kenosha?

What deep secret would you like to know about your favorite broadcast star? Drop me a note, girls and boys, and I'll do my best to answer here. MARCELLA.

Advertisement for 'The Distance Getter' with large stylized text and a central image of the device.

Advertisement for 'The Distance Getter' featuring testimonials and a list of satisfied customers.

Advertisement for Cunningham Radio Tube, C-299, showing the tube and its packaging.

Advertisement for Cunningham Radio Tubes, listing fifteen types available in orange and blue cartons.

Mail coupon form for requesting 'The Distance Getter' with fields for name, address, city, and state.

Advertisement for Cunningham Radio Tubes with the company name in large script and locations: New York, Chicago, San Francisco.

"TORCH OF YOUTH"

(Continued from page 7)

despondent or experimentally inclined soul." Boescher replied, settling down into the chair and spreading a napkin. Garden was bending and breaking one toothpick after another between his thumb and forefinger. A little mound of broken bits were in a heap at the edge of his plate. He had sipped a glass of lemonade while waiting.

"That's the first time I ever heard you

CLASSIFIED ADVERTISEMENTS

BOOKS

"Howdy Judge," George Dewey Hay's famous book of one hundred laughs, based on happenings in the Memphis Police Court. Admirers of Mr. Hay, formerly of WMC and WLS, now of WESL, will admire the character sketches penned by this champion announcer. \$1.50 through Radio Digest BOOK DEPT., 510 N. Dearborn St., Chicago.

DOGS

Beautiful registered bull pups, \$15. Bulldogs, 501 Rockwood, Dallas, Texas.

HELP WANTED

We pay \$48 a week, furnish auto and expenses to introduce our Soap and Washing Powder. BUSS-BEACH COMPANY, Dept. A-186, Chippewa Falls, Wis.

Men, get Forest Ranger job: \$125-\$200 month and home furnished; permanent; hunt, fish, trap. For details, write Norton, 362 McMann Bldg., Denver, Colo.

Earn \$25 weekly, spare time, writing for newspapers, magazines. Experience unnecessary. Details FREE. Press Syndicate, 1269, St. Louis, Mo.

MAPS

New Radio Maps. We are now able to supply our readers with new radio maps, showing location of stations, list of all stations by city, and a map of the country cover, but may be used for pasting on cardboard. Size 23x34". Send 25 cents stamps or coin to Shopping Service, Radio Digest, 510 N. Dearborn St., Chicago, Ill.

PATENT ATTORNEYS

PATENT ATTORNEYS. PATENTS. Booklet free. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 24 Ninth St. N. W., Washington, D. C.

RADIO

All standard radio apparatus sold. Specify wants. R. Jenney, 907 E. Jackson St., Muncie, Ind.

Build your own broadcasting set. Very simple and inexpensive. Easy instruction sheet. \$1.00. Walter Schutz, Kenosaw, Nebraska.

Give "Old Man Static" a Jolt. Twenty-five cents gets information. O-K Laboratories, Hastings, Neb.

Change your phonograph into a loud speaker with the Futonic Unit for only \$2 C. O. D. or postpaid if cash accompanies order. Bronstein's Pharmacy, 4600 Lincoln Ave., Chicago.

For those who are unable to obtain radio parts or accessories from your local store, the Radio Digest Shopping Service offers its services. Send in your wants. For quick service include list price of merchandise wanted. Shopping Service, Radio Digest, 510 N. Dearborn St., Chicago.

The new and improved Proof of Reception Cards are the most practical and convenient proof of reception of those distant stations. Contains spaces for complete reception record, dial settings, call letters, stamps and signature of announcer. Handy size, 3x5 inches. 150 for \$1 or send 25 cents (stamp or coin) for sample package. Shopping Service, Radio Digest, 510 N. Dearborn St., Chicago, Ill.

Attention, Radio Buyers. We are closing out our radio stock. Highest cash offer takes it. No correspondence. Stock consists of all sizes of variable condensers, fixed condensers, rheostats, potentiometers, loud speakers, etc. Bronstein's Pharmacy, 4600 Lincoln Ave., Chicago.

SALESMAN WANTED

A PAYING POSITION OPEN

representative of character. Take orders shoes-hosiery direct to wearer. Good income. Permanent. Write now. Tamers Shoe Mfg. Co. 4-70 C St., Boston, Mass.

use the word 'soul,' Babe grinned sardonically. "Perhaps your murderous inclination would not cause you to feel serious compunctions toward a less sanguinary crime."

"So that's it! My only compunctions are for my own peace and comfort and you know me well enough to know that I mean what I said about the poisons although I'll admit I never thought of you as a possible victim! Murder is only a term of law. Law is an economic adjustment executed by men who are only men and no better than you or I. It's a good thing for all of us, take it all in all, but there are times when it is merely an obstacle to the achievement of some important discovery in the advance of science. It must be circumvented and we need brainy men with courage enough to go through and terminate human life, when necessary, to obtain the knowledge that may be useful in saving millions of other lives at a crisis. But what's that got to do with your worries?"

"You have discarded your conscience entirely?"

"Conscience is only a habit of thought as cultivated by the individual. Your so called conscience and the conscience of a Chinaman who says prayers over the graves of his ancestors are two totally different things. Why? Because you were brought up differently from childhood. The 'don'ts' and 'dos' of your childhood have grown into your system until they have become a part of you. If you violate them it's against your nature and you have a disorganized feeling that you call your conscience. You and the Chinaman have the same kind of emotional reactions from entirely different causes. You have been brought up differently than I. You have followed a path that other men laid out for you, you step out of it and you are bewildered. It's all against your habit of thought. But it's best for your own skin to stick to the path. Now let's hear more about the 'less sanguinary crime,' you mentioned."

"Your damned logic takes my breath away," gasped Babe Garden, "but it seems to be just the way a lot of fellows are thinking. Somehow I still feel traces of the old fashioned notions of morality. It may be out of date but I can't quite get into the new ideas, and I did not come to Ivanhoe either just because I know football. You know what they say, that I maneuver the ball with my head instead of with my hands and feet. But I don't get this system of what's right and wrong that seems to be in vogue here."

"The trouble with you has been that your contacts have been too one-sided all your life. I'd give anything myself to have your balance of

nervous energy, muscle, bone and vital force. That's why I like you so well. You have the elements in your system that I lack and which I am trying to supply artificially. It won't take you long to get a broader view with your make-up. I use my body for experimentation, when I should be using the body of some condemned criminal or lunatic. I artificially supply the elements of certain endocrine secretions to give me those qualities I desire. It doesn't work very well because I am unable to carry on the tests in a broader scientific manner without endangering my mental efficiency or possibly sacrificing my life altogether."

"Not that I have any animal self preservation motives that cause me to yearn to live on but because I have a serious interest and curiosity to get to the bottom of a lot of things that give me satisfaction in their study. Some day I may yield to a temptation to perform one last great experiment and let it all go at that. But right now I'm interested in the thing that has cast such a melancholy spell over your spirits."

"You are to meet Nate Weiss with me at Theological Court at 1:30, so get through. I'm not hungry."

"Don't let anything disturb your digestion or you won't have the constitution long that you now enjoy. You can at least have a piece of halibut with me and a little vegetable salad."

"A day brought them their food, including a glass of milk which they consumed while Babe explained his conversation with Weiss and the proposal to hi-jack the University warehouse for a truckload of raw alcohol."

"It's a little risky and rather futile," counseled Boescher, "but I'll go with you because it will interest me to observe how you behave—and also how Weiss behaves. He has been one of my favorite clinics, although he does not know it. And another thing, it will give us entree to the new Eden Grove, which I understand is going to be one of the most exclusive and costly resorts ever opened. I don't know why Weiss went to such extremes to get you involved when he knows that you and I are such good friends and he knows me. Sometimes I think he has a sort of superstitious fear of me."

THEY found Weiss waiting as he had agreed.

"Oh, it was the doctor you wanted to get, was it?" Weiss looked like a turtle about to pull its head into its shell. "Did you tell him the job?"

"Certainly, he told me the job. Why shouldn't he?" answered Karl, belligerently.

"Sure, that's perfectly O. K. with me, only I figured you had plenty of dough and wouldn't be interested and there's no use

broadcasting the idea. Are you going in?"

"I think so," Karl began to whistle expectantly.

"Yeah, the tune of what?" Nate growled with a side look from his small piggy eyes.

"I understand Adam and Eve take possession of Eden tomorrow night with a grand reception to a few specially invited guests," Karl observed with a cold stare through the big owl glasses.

"Ain't nobody invited you yet?" Nate smiled broadly and reached for a card case in his vest pocket. "Would you two like to come and bring a couple of girl friends?"

"I think so," Karl winked and began scrapping out the bowl of his pipe.

"Be sure to show this," he handed Karl a scribbled card, "and your girl friends may want to take a swim after they have heard the snake in the Tree of Knowledge speak his little piece. We will have a few fig leaves, but not many."

"What time are we supposed to be around at the lab tonight?"

"We'll be there about 11:30. You know, it happens you were going by and you didn't get heard going, if you get caught, and you just walked through and forgot to lock the door. That's all. But keep walking by and don't let anybody get nosy, if you can help it. Whistle 'Annie Laurie' as a last warning to us. Of course, we will have somebody around too—dark brown suit and hat with his hands in his pants pockets."

"I think we understand the details," Karl replied. "We'll both be on the job. My friend here is a little nervous. He suffers from 'compunctions,' as he calls it, sometimes. And tomorrow night, La! In!"

The boys turned back toward the fraternity house, but at the corner came face to face with Wanda and Stella, both excitedly conversing with each other. Babe intended to speak casually ad pass, but Karl stopped.

"Did you know you are going to attend a very extraordinary function tomorrow night?" he asked. Wanda looked questioningly at Babe, who turned away, moistening his lips with the tip of his tongue.

In the next installment of the Torch of Youth the reader will be included as one of the very exclusive guests at the bizarre and fantastic reception afforded by Adam and Eve at Eden Grove.

WANTED 500 USED CHARGERS

We want your old charger, regardless of age, condition or make, and are willing to make you a best all-charge. Your chance to convert your worn-out charger into value!

We are giving away 500 brand new \$18.00 Pioneer Bulb Chargers, complete with bulb. Act at once! Send only \$5.95 to cover packing and shipping expenses, and send your old charger to us. We will ship you prepaid to your door the new Pioneer Bulb Charger.

PATENT CHARGER SALES

5116 W. Ravenswood Ave., Chicago

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912. Of Radio Digest, Illustrated, published semi-monthly at Chicago, Ill., for April 1, 1927.

State of Illinois, County of Cook, ss.—Before me, a notary public in and for the State and County aforesaid, personally appeared _____, who having been duly sworn according to law, deposes and says that he is the publisher of Radio Digest, Illustrated, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management and control of said publication, etc. etc. of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, entitled "An Act to Regulate the Printing and Distribution of Newspapers, and Regulations, printed on the reverse of this form (to-wit):

1. That the names and addresses of the publisher, editor, managing editor and business managers are: Publisher, E. C. Rayner, 235 Commonwealth Ave., Chicago, Ill.; Editor, Harold F. Brown, 6301 University Ave., Managing Editor, None; Business Manager, None.

2. That the owner is: (If the publication is owned by an individual, his name and address, or if owned by more than one individual, the name and address of each, should be given below; if the publication is owned by a corporation the name of the corporation and the names and addresses of the stockholders owning or holding one per cent or more of the total amount of stock, should be given.) E. C. Rayner, 2335 Commonwealth Ave., Chicago, Ill.; George Seaman, 2350 Parkway, West Chicago, Ill.; F. T. Ryan, 510 N. Dearborn St., Chicago, Ill.; D. R. Seaman, 49 Cedar Ave., Chicago, Ill.; Joseph Seaman, 250 E. Superior Ave., New York City, N. Y.; E. Ruffler, Blms, 53rd and Cornell Ave., Chicago, Ill.

3. That the known bondholders, mortgagees, and other security holders owning or holding one per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.) None.

4. That the two paragraphs above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation from whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, or other security holders in a capacity other than that of a bona fide owner, and whose names are so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise to subscribers during the six months preceding the date shown above is: _____ (This information is required from daily publications only.)

E. C. RAYNER, (Signature of publisher) Sworn to and subscribed before me this 29th day of March, 1927. (Notary Public) F. G. REGOLDS. (My commission expires August 22nd, 1927.)

New Radio Without Batteries

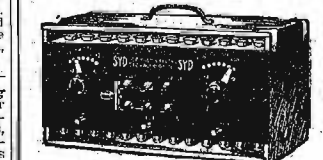
Wichita, Kansas.—The Leon Lambert Manufacturing Co., Box 227-R, of this city, is putting out a new 600-mile radio which requires no tubes or batteries and sells for \$295 postpaid. 25,000 homes already have them. They will send folder, picture and convincing testimonials of this wonderful set free. Write them.

BETTER RADIO RECEPTION

Tells you how you can quickly locate on your dial any station your set will reach, thereby eliminating squeals and howls of "hot or cold" and "remember" methods of tuning. THE RADIO LISTENERS' RED BOOK. Gives complete station information—radio frequencies, call letters, etc.—for 25 cents. The Waynes Audio, Inc., 402 Central Bldg., Ft. Wayne, Ind.

SYD LIFE-LONG 'B' BATTERY

UNCONDITIONAL 2-YEAR GUARANTEE Taken from Laboratories in which appeared in The Chicago Daily News—"The Syd Storage 'B' Battery submitted to The Chicago Daily News Laboratory for a test was found satisfactory."



100 VOLTS With Complete Charger. \$15.50
145 VOLTS With Complete Charger. \$21.50

Manufactured and Sold by SYD STORAGE "B" BATTERY CO. Dept. S, 1452 1/2 South Wabash Ave., Chicago Opposite Coliseum. Open till 8 P. M. Sunday Till 2 P. M. Mail Orders Filled

FREE RADIO MAP

Size 22 x 25 inches with rule for measuring distances. List of radio stations, with call letters, and wave length, FREE if you send us names and addresses of five friends who have radios and what kind. A. B. VIKING, 124 W. Austin Ave., Chicago

American Radio Now - 50% DISCOUNT ON RADIO!

Dealers, Agents, Set Builders—get our big 1927 Catalog—225 nationally advertised lines. Lowest prices in America! Largest, most complete stock. Radio's latest developments. It's FREE—send for your copy now. AMERICAN AUTO & RADIO MFG. CO., Inc. 1546-C McGee Street, Kansas City, Mo.

Free 60-page Reference Book



Get Business by Mail 60 pages of vital business facts and figures. Who, where and how many your prospects are. 8,000 lines of business covered. Compiled by the Largest Directory Publishers in the world, through information obtained by actual door-to-door canvass. Write for new FREE copy. R. L. POLK & CO., Detroit, Mich. 379 POLK DIRECTORY BLDG. Branches in principal cities of U. S.

FUTURE PERFECTION OF RADIO RECEPTION DEMANDS RADIO TUBES DESIGNED FOR EACH RADIO FUNCTION

de forest



Like the Benvenuto Cellini cup from the Altman collection of the Metropolitan Museum in New York, the De Forest Audions are fine examples of craftsmanship and painstaking skill.

DE FOREST engineers have recognized certain characteristics in the functioning of tubes in all radio units. Our laboratories have labored long to advance these characteristics that so improve radio reception; and now, these highly desirable elements have been developed in De Forest Audions for specific operations in the various radio reception departments.

Fans who are keen to bring their radios up to the highest degree of efficiency will eagerly adopt these Specialist Audions, the idea of which has long been appreciated in England.

These new De Forest Specialist Audions are now available for detector work, radio frequency amplification and use in all audio stages in types taking up to 500 volts on the plate.

To demonstrate the advantages of this

idea and the improvement possible in your radio's performance, tune in a weak and distant station or turn down the volume of a local until you can just barely hear it in the loud speaker. Substitute De Forest DL-4 Specialist radio frequency Audions in place of the RF amplifiers you have been using. Note the remarkable increase in volume—how much louder the distant station and how the music of a local is raised to room filling proportion.

Radio amateurs will appreciate the characteristics of these efficient tubes. We must remember that regardless of RF circuits, tubes for best results must be uniform. The rigid limits, both electrical and mechanical, to which De Forest Audions are held, assure a high standard of uniformity. With a very constant grid-plate capacity and high mutual conductance the volume these Audions obtain from distant reception is both amazing and satisfying.

These DL-4's are recommended for trial before you change *all* the tubes in your set.

De Forest Audions have been standard since 1906. The same genius who has made the broadcasting of voice and music possible is still hard at work for greater perfection and greater achievement in radio reception.

Of course, De Forest has designed a general purpose Audion. It is a good one and where price is a consideration the D-OIA Audion is an unequalled value at \$1.65. This tube is built to the same high standards of quality that mark all De Forest Audions.

De Forest dealers are pretty much everywhere. Look for displays of the brilliant black and orange Audion containers in shop windows. (Metal boxes in which De Forest Specialist Audions are packed insure their safety and dependability.)

If dealer is not available write for booklet which describes characteristics of each Audion and for chart indicating proper replacements for all standard makes of radio.

Write Dept. 11 for Descriptive Literature

DE FOREST RADIO COMPANY

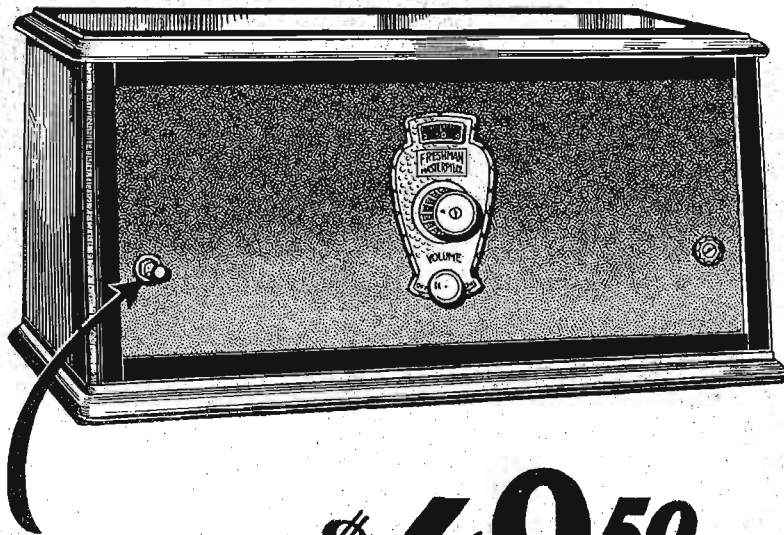
Powel Crosley, Jr.



President.

JERSEY CITY, N. J.

a NEW radio that "gets" everything! Six tubes ~ One control



MERELY turn the dial from point to point and station after station comes in separately, clearly and distinctly. The one dial is the only tuning device on this new Freshman Radio. Its amazing power allows stations from a great

Distance

to be tuned in right through the locals. Its superior construction and efficiency separate the different wave-lengths and tune out the undesired stations with startling

Selectivity

allowing you to listen to exactly the station that you desire without bother or interference and with fine

Tone Quality

which is the result of scientifically constructed audio transformers perfectly designed and co-ordinated to match this powerful radio.

Distance

Distant stations often broadcast on exactly the same wavelength as locals. This new Freshman set is so powerful that it brings in stations from all over the country. Sometimes it is desirable to cut out the distant station broadcasting on the same wavelength as the local to which you are listening; if so, just pull out the distance switch indicated above.

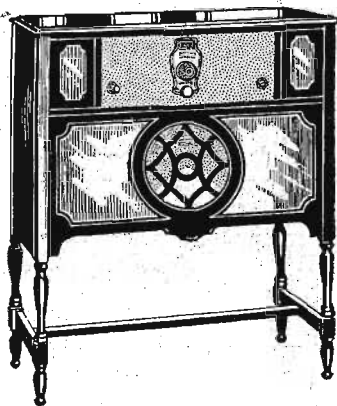
\$49.50

Six tubes ~ One Control FRESHMAN MASTERPIECE

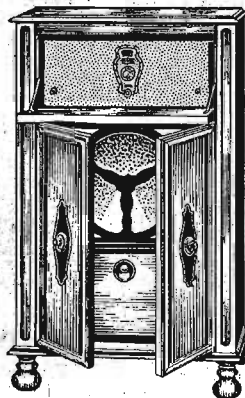
**Hear it
To-day**

At any Authorized
FRESHMAN
Dealers Store

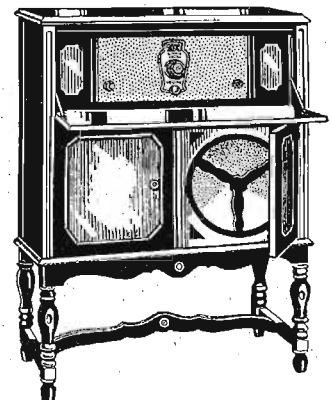
**Operate it
Yourself**



Panelled in genuine mahogany. Built-in cone speaker. Spacious battery compartment **\$79.50**



A distinctively beautiful radio panelled in genuine mahogany. Large built-in cone speaker **\$99.50**



This massive console is panelled in genuine mahogany. 12-inch cone speaker **\$109.50**

CHAS. FRESHMAN Co., INC., 240-248 W. 40th St., New York City
2626 W. Washington Blvd., Chicago

WORLD'S GREATEST RADIO