erence Relief from Congress?

Radio Disest



Third Section of \$26,000 Whozit Game; How to Build "Regenatrol"; Farm Programs; Stations Listed by Location; How KFRU Broadcast Cupid; Mike Worries Movie Stars

POWER ON AIR SOON

SEES DAY WHEN ELECTRIC-ITY WILL BE TUNED IN

Noted Inventor Reviews Recent Developments in Radio Science—Cost
Is Greatly Reduced

Is Greatly Reduced

By A. C. Blackall

LONDON, England.—'It may be possible," Senatore Guglielmo Marconi deciared recently here at the annual James Forrest lecture at the Institute of Civil engineers, "that some day electric waves will be used for the transmission of power over moderate distances."

The famous inventor of Radio telegraphy was reviewing the recent progress of the science of Radio. He continued:

"That achievement will involve the perfection of devices for projecting the waves in parallel beams in such a manner as to minimize the dispersion and diffusion of energy into space. With regard to the theory of Radio, less is known than many people imagine. The laws and formulas announced and accepted several years ago, when applied in practice, make it necessary to employ very costly aerial systems and require such large amounts of power that only a very small margin of profit remains when this system of transmission is worked in competition with modern cable and land lines."

Here's Old Friend with Brand New Call'WOW

WOAW, Woodmen at Omaha, Acquire Significant Letters

OMAHA, NEB.—On December 15, 1926, the Woodmen of the World Life Insurance association's Radio station, formerly transmitting with the call WOAW, goes on the air with new call WOAW, which is the official insignia of the Woodmen of the World.

the official insignia or the woodmen or use World.

When the station was granted its license to broadcast in 1923, the department of commerce was asked permission to use the WOW call, but at that time the Steamer Henry J. Bibble, operating on the Pacific Coast, was using this call. When the Radio apparatus was recently removed from this vessel, the department of com-

the Radio apparatus was recently removed from this vessel, the department of commerce notified the Woodmen that they could employ these letters.

At about the same time the new call letters WOW are inaugurated, the Woodmen hope to have completed installation of new Western Electric transmitting equipment with a minimum power of 1,000 and a maximum of 2,500 watts. At the present time the station and studios are undergoing a complete reconstruction.

Million Members Easy For Post-KDKA Club

Distinctive Group Has Advantages Listeners Enjoy

Listeners Enjoy

PITTSBURGH—The new Pittsburgh
Post B. C. L. Radio club, envisioned by
James W. H. Weir, Radio editor of the
Post, bids fair to reach its goal of one
million members. It isn't like just ordimary Radio club. This one meets via the
air weeldy through Station KDRA.

Helpful and interesting lectures, such
as "The Uses of Wire in Radio," are
broadcast in plain and understandable
language, and are supplemented with
printed data of engineering nature, circuit
diagrams and suggestions which are
mailed to all members free of charge for
the asking. Such questions as are not
answered personally by Mr. Weir.

Non-members may have the printed
matter and same service by including with
each request ten cents in postage.

Saturday evening at 7:15. Eastern
Standard time, is the regular meeting
time. After each talk interesting Radio
news and personal items regarding the
members of the club, are broadcast.

JOHN CLARK, WSWS, "FOUND" COVER GIRL

T TAKES John Clark, announcer at WSWS, Chicago, to pick 'em. And you will agree with this verdict after one glimpse at the beauteous maiden on the Radio Digest cover this issue. The little lady is Miss Hazel Blanche Carroll of Wheeling, W. Va. Miss Hazel came to Chicago to study at the Chicago Musical college and Mr. Clark, casting his eye about for talent for his beautiful Spanish studio in the Straus tower, discovered her. "If she can sing as good as she looks..." he mused. You know the rest, and the fans rave over her rendition of "Me Too." TAKES John Clark, announcer at

MARCONI FORECASTS New Broadcasters Should Be Assigned Short Waves to Develop, Says Crosley

Noted Radio Leader in Interview States Pioneers Must Be Protected Against Piracy-Newcomers Should Do Own Prospecting-Asks for Legislation with Power to Control

CINCINNATI.—Declaring that owners of new broadcasting stations should develop the great short-wave field, doing their own prospecting of the ether, and stating emphatically that pioneer broadcasters should be protected against piracy. Powel Crosley, Jr., prominent Radio manufacturer and owner of Station WLW here, said in a recent interview:

"The egg that fell from the wall in the oft-quoted Mother Goose rhyme Humpty-Dumpty, presented no more serious job of unscrambling than the broadcasting stations that are all mixed up now in the bank of wave lengths between 200 and 600 meters. Some 600 broadcasting stations that are all mixed up now in the bank of wave lengths between 200 and 600 meters. Some 600 broadcasting stations are now overlapping or on top of one another, wrestling and struggling for a place free from interference in a band that can accommodate less than one hundred stations.

dred stations.

Legislation Serious Problem

"Of course, the most serious problem is legislation through which there will be established some authority to control the wave length assignment of these stations and to police the air in such a way that its use will be most beneficial to the public.

"Congress."

public.

"Congress will, no doubt, frown upon any idea that will give special rights to any individual broadcasters. The courts, however, will, no doubt, regard the matter differently, as they should. Property rights will most certainly be recognized by the courts. The rights of priority of pioneer broadcasters will certainly be recognized by the courts, just as the rights of the prospector and the inventor have always been respected under the common law.

"It should be obvious to any one that."

it seems logical that they should be deprived of the right to interfere, a way should be devised whereby they can broadcast even though it is necessary to put them in the position of the pioneer broadcasters when they started.

"There are thousands of wave lengths available for broadcasting below 200 meters (above 1500 kilocycles). These wave lengths are practically entirely undeveloped. They are perhaps even better suited for broadcasting than those wave lengths in the present band because it is a well-known fact that they enjoy less interference from static.

"It is true that today there are comparatively few homes equipped with apparatus to receive outside of the present wave bands of broadcasting; few receiving sets that will bring in the short wave stations, but is that not the same situation which existed some five years ago when the pioneer broadcasters commenced their work? Therefore, would it not be fair to insist that the newcomers undertake the same work that was done by the older broadcasters, that is, create a quality of broadcasting on the shorter waves that will in turn create a demand for receiving apparatus to bring in those short waves?

How Privilege Should Be Regulated

How Privilege Should Be Regulated
"In deciding what stations are to be transferred from the present band of broadcasting to the new band of shorter waves, two elements should be very carefully considered. First, that which has already been mentioned, priority, which should be considered very carefully in connection with a second element, the service that is being rendered. A station, in order to maintain its prior right to a wave length, should maintain its place in the development of Radio, for it would be unfair to the public interest to reserve a wave for an older station on a basis of priority alone, unless that station continued to develop and maintain the service.
"Whether proadcasting is remulated by law.
"It should be obvious to any one that the pioneers who invested their money to develop broadcasting should have very definite rights to the wave lengths that they have made valuable. Now that the value of these wave lengths is established, it seems unfair that anyone else should destroy the value of this investment through causing interference.
"The question then arises, what shall be done with the new broadcasters? While

CONTENTS

Radio Disest, Illustrated, Volume XIX, Number 5, published Chicago, Illinois, December 15, 1926. Published semi-monthly on the first and fifteenth of each month by Radio Digest Publishing Co. (Incorporated), 550 N. additional; single copies Fifteen Cents. Entered as second class matter May 3, 1926, at the post office additional; single copies Fifteen Cents. Entered as second class matter May 3, 1926, at the post office and Chicago, Illinois, under the Act of March 3, 1879. Title Reg. U. S. Patent Office and Dominion of Canada Copyright 1926 by Radio Digest Publishing Co. All rights reserved.

Cupid Scores 16 Hits at KFRU, a Real Radio Romance, by Margaret Averitt
Mike Worries Cinema Artists, How Screen Stars React to Radio, by G. L. King
How to Build Bruno Regenatrol, Part II, by Joseph Calcaterra
Third Section of Whozit Pictures
"Goody Goody Girl," by Merlin Moore Taylor, Continued
Woman's Page; Woman's Index to Programs
Directory of Radiophone Broadcasting Stations, by States and Cities
Editorials; Indi-Gest; Condensed by Dielectric
The Reader's View; New Stations; Complete Whozit Rules
Advance Programs for the Larger Stations, December 15-31
그는 사람들이 가는 그래요? 그는 그래면 이번 이 사는 사람들이 되어 있는 것이라면 사람들이 있는 것이 되었다는 것이라면 그는 것이다. 그런 사람들이 되었다.

Looking Ahead

All Aboard the Fourth Section of Whozits Next Issue. It will be on the newsstands on a date hard to forget, January 1.

'eppy Readers' Views Concerning Many Subjects, especially that of "wave jumping," will appear next issue. Read those this number, What do you think? "The Reader's View" is an open forum. The best letters are published.

ssembling, Wiring and Operating Regenatrol is the concluding article of Mr. Calcaterra scheduled for the First January number.

COMING—What the National Survey of Interference Shows. This material, based upon the tabulation of the survey blanks, will appear soon providing relief is not given immediately by Congress. Watch for this!

Special articles about broadcasing 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 typewriten and prepaid, or returned without return postage being inclosed. All manuscripts are sent at owner's risk.

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SHOK

Jack Smith, the "Whispering Baritone"; Little Joe Warner; May and June or Rae and Lee; Don Malin; Introducing Natalie Suzanne Arnoux; Freeman Talbot Visits Us; Isbell's Picture Un-appreciated; Silver Masked Tenor Almost Discovered.

Almost Discovered.

"O writes F. J. of Boston. Practically the same sentiment is echoed in a letter from Miss M. E. H. of East High Gate, Vt. I think that is where the Radio artist has a stronger hold on the fan than the moving picture artist. With the latter the direct personal contact is lost. The Radio artist lives and breathes himself or herself directly and simultaneously into the consciousness of the listener. This is obvious from the many letters I receive from impressionable young folks, curious young married folks,



listener. This is obvious from the many letters I receive from impressionable young folks, curious young married folks, middle aged folks and kindly old folks. Going back to M. E. H. who is interested in a number of "favorites" I give here a picture of Jack Smith, the "Whispering Earitone." And, my deah, you should see the letter that came with the two line letter! It is signed by T. D. Kemp, "Personal Manager," who grants you this much to go with the thumb-nail portrait. Jack is 29, single and playing the B. F. Keith vaudeville emporiums. Eyes, hair, avoirdupois, favorite breakfast food and all that, you are supposed to make up from the picture—like the Whozits.

Little Joe Warner

Little Joe Warner Stood in a corner At W-C-F-L. He thrust out his tongue And comedy sung ...(fill in your own

last line)



At any rate Mary Ann of Kenosha wants to know all about him. Little Joe really is quite compact. I understand he stands on his toes on a foot stool to reach the microphone; but that may be because the WCFL microphone is tall. Joe stands five feet three, net; has eyes of blue, is thirty-one summers and makes the scales bow at 145. He's a vet of the A. E. F. and brondcasts assorted dialect collected from the v. circuits. Sure he's married. Make it rhyme with "L." Mary."

"Sweet Sixteen" of Knasas City writes "It certainly was nice of Radio Digest to put in so much about my favorite Radisstar, Jack Little, but I wish you would put in a picture of the lucky Mrs. Little." It just can't be done, "Sweet 16," I asked Jack about it when he came into Chicago for Thanksgiving and he said, "Why, so far as I know, my wife NEVER had a picture taken in all her life and she wouldn't stand for it—so what can I do?" And that's this. He goes to KTHS, Hot Springs, Ark. from here.

As for "May" and "June" being the same as "Rae" and "Lee" at the WLS, Chicago, station, they are quite the same, quite the same.



While we are in WLS I will answer Betty of Valparaiso who wants to know all about Don Malin, the musical director. Don is tall and derk with hazel eyes that sometimes shine when he is pleased with a musical presentation. He is a graduate of Ames and was brought to WLS by Samuel R. Guard. He formerly was a writer for farm magazines and has made a special study of assembling musical programs in a coordinated idea. Yes, Betty, he has a nice little wife to whom he is entirely devoted. No, the man who conducts the Show Boat on its journeys from town to town is Edgar Bill. Am s'prised you didn't know that.

Christmas will be particularly merry at

Am s'prised you didn't know that.

Christmas will be particularly merry at KTHS, Hot Springs, Arkansas, this year. There'll be a little Christmas tree just so-o-o ligh. And there'll be a little ve stocking just so-o-o big. And, and well for the benefit of those who may not have yet heard and who would be quite interested. Natalie Suzanne Arnoux, the only child of G. C. Arnoux, the most genial announcer, will be just three months and four days old. I composed a verse about the little dear but the folks in the office laughed at it and so you shan't have it. You can blame them for it (or else thank them for its). Merry Christmas, Suzanne, even if it is a little early. Our Mr. Gurney who is back from a visit to your daddy tells me you are wonderful.

No wonder KOA is such a popular sta-tion. I saw the great, big handsome direc-(Continued on page 12)

INTERFERENCE IS UP TO CONGRESS

OPPORTUNITY TO WIN WHOZIT PRIZES GOOD

\$26,000 AWAITS FANS WHO PAY CLOSE ATTENTION

Late Comers Can Begin Now-Questions Answered—Whozit Clubs Have Great Fun

(Whozits on Pages 8, 9 and 11)

Turning over the pages to our famous gallery of Whozits, Radio Digest swings into the third game of the series of eight with this issue.

Are you a fan? Have you followed the game? Are you going after one of the big prizes?

prizes?

It's all up to you. There are \$25,000 in prizes. Your opportunity to win is just as good as the other fellow's. All you need is a copy of Radio Digest, a pencil, a pair of scissors or a sharp knife and a bit of paste, a fairly good pair of eyes and a natural capacity to do a little thinking.

and a hatural capacity to do a fitte thinking.

Still Time to Begin

The game of Whozit is under way but it is not too late to begin. The other two games were presented with the November 15 and December 1 issues of Radio Digest. The rules of the game are published in detail on page 15 of this issue. Also you will find a special program listing of the twenty-four broadcasting stations that are playing Whozit below on this page.

Each of these stations will have \$1,000 in prizes for the listeners who make the highest scores; \$500 gold, first prize, \$300 merchandise value, excond prize and \$200 merchandise value, third prize. Two grand prizes of \$1,000 in gold each will be presented to the Whoziteers who make the highest scores in America.

All Questions Answered

All Questions Answered

North, south, east and west Radio fans are writing in to the stations and to Radio Digest for answers to conditions that they do not understand. "How can we play where stations are blurred out by the wave jumpers?" "When does such and such a station go on the alf with Whozit?" "Do we have to actually hear the stations that we intend to match for the prizes?" "Can you send back numbers of Radio Digest?" And so it goes. Letters and cards by the bagful. Radio Digest, or this magazine through the station, is taking care of every inquiry.

Back numbers? Yes, so long as they last. But there remains but a limited supply. Newsdealers, sold out by the excessive demand have telegraphed their reorders and doubled their supplies of copies.

Chances to Win Still Good

Chances to Win Still Good

Chances to Win Still Good

But let no one imagine that the chances are all gone. Jump right into the game with this issue. Tune in your nearest Whozit station and follow the hints thrown out by the broadcast announcers. Make this third game a perfect one. There may be an opportunity later on to make up the first and second game.

Have you tried out the Fortnightly Whozit Club idea yet? We have several letters from fans who have brought in some of their neighbors and social acquaintances to listen to the Whozit descriptions. Each member of the club raced to be the first one through with the proper identifications.

Whozit Stations Have Great Fun

Identifications.

Whozit Stations Have Great Fun
Pat Barnes of WHT made a hit with
his WHT Whozit club. Al Carney played
the organ while the Great Whozit marched
around the room to his throne. Then the
two candidates were put through a grilling that provided plenty of information
to the listeners as to who they were and
what they looked like in the Whozits.
Other stations also have put on the
M. E. O. W.—"Mysterlous Ensemble of
Whozits"—with success. Some had a goat
with a tinkling bell. The goat would ride
the candidates for a fall and sometimes
"broke through board fences" to the sound
of splintering timbers.

of splintering timbers.

Get into the Whozit game right away, and if you have had any unique experiences, write to the Whozit Editor of Radio Digest, 510 N. Dearborn st., Chicago, and tell about them.

Whozit Correction!

On page 11 of the first December Radio

On page 11 of the first December Radio Digest a typographical error transposed the lines of type underneath the second and the fourth panels.

The second panel should have read: Charlotte Myers, WJR; Big Sister, KVOO; Mary Tudor, WJR and Grace McConnell, WJAX. The fourth panel should have read: Cecile Barron, KJR; Hazel Reisinger, KVOO; Eva Rautenberg, WMAK and Helen Rauh, WHT.

HUBBY MORE LIKELY WAS "FIXING" HANDS

C LEVELAND.—Many humorous phone calls are received at WHK here, but a recent telephone call by a lady listener wins hands down. This particular lady requested WHK to Into particular lady requested what, broadcast a message to her husband, who was supposedly fixing a friend's Radio set. The wife thought he was playing poker, and asked the broadcasting of the message as a test of her feminine intuition.

MILLIONS OF LISTENERS LOOK FOR IMMEDIATE RADIO RELIEF

Congressmen Balk as Industry Prepares to Fight -Hoover Expresses Self—Interference Survey Aids—WGN Suit Breathes Optimism

HERE'S 'NOTHER PREFERRED BLONDE



WHOZIT SCHEDULE DECEMBER 15-31

1	Eastern	Central	Mountain				Mountain	Paci
	WHT (399	11 9.8) Daily e 265.6) Daily	xcept Sunday	9 S.	CKY (384.	8:30 4) Monday 5.6) Tuesda	7:30 Wednesday. y, Thursday.	6:30
		. 5:50 (526) Daily,		3:50	10 WHK (27)	9 2.6) Monda	8 ys, Wednesda	7 ys.
	7 WOC (483	6 3.6) Daily.	5	4	10:15	5.9) Monda 9:15	8:15	7:15
		6:15 265.6) Daily	5:15	4:15	WMCA (3	4) Friday. 40.7) Thurs	days.	
	7:30	6:30 2.6) Friday	5:30	4:30		9.7) Thurso		7:30
	WMCA (340.7) Frida 6:50	ys, Saturday.	4:50		10 80.2) Daily		8
			except Thurs	days.		4.8) Daily. 2.6) Tuesda		
	KVOO (3 WHT (39	9.8) Daily	except Sunda ex Sun., Mon. nesday, Sunda		WHT (399 WLW (42	0.8) Daily e	except Monday except Friday	
	8:30	7:30	6:30 er 20 and 27.	5:30	KJR (384.	10:30 4) Daily, 265.6) Tues		8:3
١		7:45 55.6) Mon.,	6:45 Wed., Fri.	5:45	12 m. WHT (39	11	10 except Monday	. 9
	KPRC (2	96.9) Daily	y, Saturday. except Frida	у.	12:05 a.m	. 11:05 2.6) Saturd	10:05	9:0
	WJR (516 WPG (29	6.9) Monday 9.8) Decemb	cept Monday , Wednesday per 17 and 24.		1 KV00 (3	12	11 Thurs., Sat.	10
	9:15	8:15 431) Wedne		at. 6:15	1:15	12:15 252) Daily.	11:15	10:1

WASHINGTON. — What will congress do to stop Radio interference?

Now that the Sixty-Ninth Session has resumed its official duties, how long, will it take to give broadcast listeners the relief they so badly need?

Factions working within the senate and house in opposite directions do not indicate that a speedy remedy will be granted, despite the suffering of millions of fans and stations whose high quality programs are being ruined by inferior broadcasters. One thing is certain. Unless congress does act—and quickly—it will have the wrath of countless listeners upon it, and millions of fan complaints may awaken the slumbering legislators.

Condinating Committee Busy

The slumbering legislators.

Goordinating Committee Busy
The coordinating committee of the Radio industry, recently established here, and composed of representatives from every branch of Radio, is busily engaged in assembling facts for congress to mult over. The National Survey of Radio Interference, conducted by Radio-Digest, is one of the huge masses of facts this committee is preparing to deliver to the congressional conference committee on Radio.

Aided by several hundred broadcasting stations and daily newspapers, the interference survey has brought forth thousands of intelligent complaints which will be very useful in showing how bad the situation is, and what is wanted by the public.

situation is, and what is wanted by the public.

Hoover Expresses Self on Two Bills
The Dill bill, which passed the senate, and the White bill, which passed the house last spring, clash in most respects. Secretary of Commerce Hoover has expressed himself as opposed to the Dill Radio Control bill except insofar as the preamble goes, which he favors. He thinks better of the White Radio Control bill, but is not satisfied at all with either.
The independent Radio industry favors the Dill bill.
Mr. Hoover also now feels that Congress should make some provisions in the legislation to protect the investments of the pioneering broadcasters of the country. He believes that priority, when supported by continued service and development of the art, should have consideration.

Common Law Is WGN Suit Basis.

provide by continued service and development of the art, should have consideration.

Common Law Is WGN Suit Basis

The recent victory of Station WGN in the Illinois circuit court was not based upon any federal or state legislation, but purely common law. Judge Wilson's decision, however, if it is followed by the higher courts and in other jurisdictions, means that stations with efficient established services may protect themselves and their listeners against unreasonable disturbance by stations in the same locality and subsequent in time.

"First come first served" is good law as well as a good adage, Judge Wilson points out. His decision may go a long way toward establishing property rights and priority rights in wave channels, despite what congress may decide to write into future, if any, Radio legislation.

National Survey Tabulation Continues

The National Survey of Radio Interference tabulation is not yet ready for publication. Thousands of questionnaire blanks are still being returned by tardy fisteners.

Radio clubs, trade associations, Radio dealers, broadcasting stations, newspapers and other organizations wishing to distribute the "kick" questionnaire to their friends or patrons, may obtain any number of the blank forms free of charge by writing Radio Digest, 510 N. Dearborn St., Chicago.

Listeners who have not filled one of these interference questionnaires are urged to do so without a moment's delay. Request a blank free from Radio Digest, enclosing a stamped, self-addressed envelope.

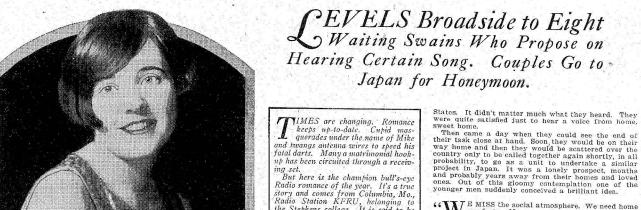
Celebration to Mark Close

of B.B. C. Ether Activities
LONDON.—At the end of December the
British Broadcasting company hands over
its activities to the new corporation, and
it is intended to make the final week's
broadcast something in the nature of a
swan song, particularly on New Year's
Eve.

Eve.

A special version of Humperdinck's famous opera "Hansel and Gretel" will be one of the special program items.

Cupid Scores 16 Hits At KFRU



But here is the champion bull's-eye Radio romance of the year. It's a true story and comes from Columbia, Mo., Radio Station KFRU, belonging to the Stephens college. It is said to be the only broadcasting station in America controlled by a woman's college:
At one fell swoop Daniel H. Cupid let loose sixteen shafts through a song from the throat of Miss Helen Averitt and every shaft scored a perfect hit. The story is told by Miss. Helen's sister, Margaret, who relayed it to Radio Digest.

The story is a solution of the state of the control of the control

e H. Curtright (below) d and abetted the id conspiracy as an-ncer at KFRU. He ned the young engi-rs that the song was

"Good Bye, Boys, I'm Through," sang Miss Helen Averitt (ab at KFRU, Columbia, Mo., and before she sang "through" a st tered party of engineers, sitting by their sweethearts said "bye" to bachelorhood by popping. Corner of Cupid St (lower right).

By MARGARET AVERITT

N SEVEN widely separated American towns, seven young men were anxiously adjusting the dials of their Radio sets at 6:15 one evening in the late spring of 1926. All were tuning for a 500-meter wave length, for they were exceedingly desirous of hearing the dinner hour concert from Radiophone Station KFRU, Columbia, Mo. To most of the general Radio audience this program promised nothing particularly unusual but to these seven young men it was to be a very, very special occasion; for if a certain selection, a song, came over the air from KFRU on this particular program, the entire course of their lives would be changed.

from KFRU on this particular program, the entire course of their lives would be changed.

Outside the dusk had already fallen, stars were twinkling brightly and the clear, frosty air indicated an ideal night for DX reception.

But while these young men are preparing for this auspicious occasion let us consider the incidents that took place a few months previously. These same young men with their foreman, Bob Anderson of Columbia, comprised a party of eight engineers engaged in a large construction project in South America. None of them were married, all were passably good looking and they were collectively and individually desperately homesick.

Each evening found them gathered about a highly efficient Radio receiving set. Usually they were able to pick up some station from the

ones. Out of this gloomy contemplation one of the younger men suddenly conceived a brilliant idea.

"We have a summary to be a summary of the comforts. My suggestion is that we all start in as soon as we return and win a wife. Let's all get married and take our wives with us to Japan."

Audacious! Astounding! Some might say a little presumptuous. But finally the last doubter was won over to the idea, because—well, eight couples would make four bridge tables and you would need an even number of couples for little dance parties.

"But, suppose the deal shouldn't go through. Suppose we get engaged and some even go of far as to get married and the contract blows up, what then?" That question suddenly loomed up and remained unanswered for the time being because Anderson causts a signal—a voice on the 499.7 wave length—Miss Helen Averitt, soprano, and Mr. Gale H. Curtright, announcing.

"Good bye, boys, I'm through," the voice came to them clearly and distinctly. There wasn't a whisper until the whole program was finished. But immediately afterward Anderson exploded with the idea that had come to him during the song.

"How will we know what to do until we are sure of the contract? You heard that girl sing, didn't you? Well go right ahead and rush the girls up to the moment of proposing. Til let you know the day I expect to get the answer and then you listen in for that girl to sing, 'Good Bye, Boys.' I you hear her sing that song at the agreed time you'll know it's O. K. to propose, If she doesn't sing it the scheme is off and you can take your time."

This was the plan eventually accepted by all.

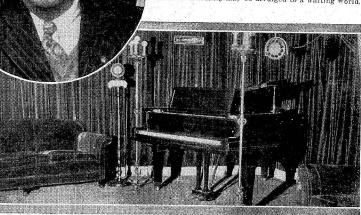
off and you can take your time.

This was the plan eventually accepted by all.

A ND so two months later we find them in the United States, and eager to hear a certain program from KFRU. They knew that the chief at his home in Columbia had received their orders that day. Each had his best girl listening with him, though the girls thought the song would merely signify that their engineer swains were ordered to Japan.

To these young people the dinner concert seemed very long that night, although it is only from 6.15 to 7:15. The soprano sang, obliged with an encore, and still they had not heard their song. The hour was nearly over and when at last only a few more minutes remained, the concluding number was announced. The seven engineers held their breaths while the announcer, trying hard to keep from chuckling, dedicated the next selection to "some engineers—and their sweethearts." And then, with a hint of laughter in her voice, for of course she was in on the secret, the soprano sang, "Good Bye, Boys, I'm Through."

So once more Cupid employed the mysterious electrical waves on which to launch his potent arrows—seven of them at once. But it has never been possible to ascertain how many of the young ladies accepted! Even the guilty soprano, Miss Helen Averitt, does not know. However, some of you may go to Japan some day, and if you do, have one of the Tokio broadcasting stations put on a soprano solo, "Good Bying four tables of bridge, may be listening. If they cre, the truth may out and the success of this ultra modern form of courtship may be divulged to a waiting world.



Mike Worries Cinema Artists



Way Back in 1917

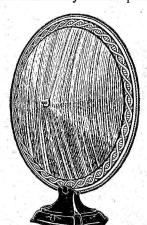
—long before the day of radio in the home



UCCESS always begins farther back than the public sees. As long ago as 1917, when radio in the home seemed but the fanciful dream of an imaginative few, the hands and mind of C. I. Farrand were feverishly at work developing the cone-type speaker. Then followed seven long years of experiment. Finally came perfection—and the birth of a new era in radio reception.

Today, many are endeavoring to imitate the Farrand Speaker, but have succeeded merely in copying its appearance. Its performance—acclaimed by over half a million nightly listeners—remains unchallenged.

The Eye may deceive, but the Ear never! Farrand made the first cone speaker.... Farrand still makes the first cone speaker!



The Farrand Senior (illustrated), with 17-inch walnut-laminated wood cone, is priced at . \$32.50.

The Farrand Junior, with 14-inch mottled cone, is priced at \$16.50.

Prices slightly higher west of Rockies

Farrand Speaker

FARRAND MFG. CO., INC. , LONG ISLAND CITY, N. Y.



you can have full "A" power for your radio

Automatically operated from your electric light socket

THINK of it! Full "A" battery power—the kind that brings in the far-distant stations loud and clear—all the time!

You merely connect the new Prest-O-Lite Automatic "A" Power Unit to your set and push a plug into any electric light socket. That's all you do.

When you switch on your radio, the power of a fine, fully charged Prest-O-Lite Radio Storage Battery flows through your tubes. When you turn off your set, a silent, powerful trickle-charger automatically goes to work replenishing the current you have used. Your radio switch controls everything, which means that this unit can be operated any distance from your set—in the basement if desired.

No more bothersome charging or testing to determine condition of the battery. No longer will a rundown "A" battery limit you to local stations—or no stations at all,

See this new Trikl-Automatic "A" Power Unit at the Prest-O-Lite dealer's store. You will like the beautiful way it is finished. You will like its small, compact size. And above all you will be delighted with its simplicity of operation and the trouble-free radioit will give you.

While this power unit is brandnew and the very last word in "A" power development, back of it is a company with more than twenthy years of manufacturing experience. It is built to give you years of service.

There's a Prest-O-Lite dealer near you, or if you write us we will gladly send you full details of this new unit.

Radio and battery dealers should write at once for full information covering our selling plan. There will be an enormous demand for this unit.

THE PREST-O-LITE CO., INC. INDIANAPOLIS, IND.

New York San Francisco



The Battery. A special Prest-O-Lite Radio "A" Battery of ample capacity. Strongly built. Leak-proof.

The Charger. Built on an entirely new principle. Absolutely dry. Silent in operation. Adjustable to individual needs. Economical of house current. Nothing to get out of order. Nothing to replace. No moving parts, no bulbs, no liquid. Entirely automatic. Built to last for years.

The Unit. Entirely enclosed in handsome metal cabinet. Only 534 inches wide, eight inches high and eleven inches long. \$29.50.

Prest-O:Lite

TRIKL-AUTOMATIC "A"
POWER UNIT

How to Build Bruno Regenatrol

monting the parts and wiring them. Sether.

As a special service to readers who wish to build the set I have prepared full-sized blueprints which can be used as templates in laying out and drilling the panel and subpanel for mounting the parts. The use of these templates will greatly facilitate the having out and drilling of the panel and subpanel and will eliminate the necessity for painstaking measurement of distances from hole to hole as is usually the case when no such templates are available.

rease when no such companions available.

Panel Templates Available Reasonably Copies of these templates can be obtained by sending ten cents to cover actual cost of prints and mailing. Address your requests to Joseph Calcatorra, care of Radio Digest, 510 N. Dearborn St., Chicago, and don't fail to mention that you want the Panel Drilling Templates for the Bruno Regenatrol Receiver.

It is unnecessary to reproduce the panel drilling templates in miniature here but I will give the detailed instructions for laying out and drilling the panels after your receive the full-sized panel-drilling templates.

you receive the full-sized panel-drilling templates.

The centers of the holes shown on the full-sized panel-drilling templates are for the parts mentioned in the list of parts given in the first installment of this series. If you substitute any other parts you will find it necessary to locate the holes to conform to the mounting holes for your parts.

noies to conform to the mounting noies for your parts.

Marking Panels with Templates
All that is necessary to locate the holes on the panel and subpanel is to paste the respective templates on the panel and subpanel and spot or mark the location of the holes on the panels through the template. It is not necessary to spread paste all over the panels to hold them to the panel. A did of paste in a few places will be sufficient. If you do not have any paste handy or if you do not want to get any paste on the panels you can cut around the template along the dotted lines leaving a space about a quarter of an inch between the edge of the panel lines and the template. Then fold over the template along the solid lines and the template to center the panel under the template.

plate.

After you have lined up the panel with the edges of the template take a centerpunch and "spot" or mark the centers of the holes as shown by the intersections of the crosslines, through the template and onto the panel. Mark the locations on both panel and subpanel before starting to drill.

on both panel and subpanel before starting to drill.

Drilling Operations

When all the holes have been spotted, take a small drill, about size No. 41, and enlarge the spot holes. This is done to avoid shifting of the mark when the larger drills are used to drill the holes through. The spot mark is usually too small to center the larger drills.

In drilling the panel and subpanel, always back them up with a piece of wood to prevent chipping around the holes when the drill comes through on the other side. Drill all holes carefully, applying only a gradual pressure. Another good method to provent chipping is to drill the holes all the way through first with a small drill, such as a No. 41, and then drill the larger holes halfway through from each side so that they meet at the center.

The next operation is to drill and countersink the holes spotted through the templates. The sizes of the holes mentioned below are those necessary for the parts mentioned in the list of parts. If you substitute other parts you must drill the proper size holes required for such parts.

Now proceed to drill each hole with a

Parts time you should have all the parts and be ready to go ahead with the actual testing of the apparance of defective parts and lay out and drill the panel and subpanel, preparatory to mounting the parts and wiring them together.

As a special service to readers who wish to build the set I have prepared full-sized blueprints which can be used as templates in laying out and drilling of the panel and subpanel for mounting the parts. The panel and subpanel and will eliminate the panel and subpanel for mounting the parts. The panel and subpanel and will eliminate the panel and subpanel for mounting the parts. The panel and subpanel for mounting the parts and tax is shown in the photographs, figures 3 and 4. This arrangement is made to permit the know for the tickler coil to be placed near the bottom of the front panel, thus giving a course of these templates are appearance to the front of the set.

By JOSEPH CALCATERA

No. 18 drill. This size of drill serves as a good clearance hole for all 6-32 screws, you can build the receiver with the astand as a starter for the larger holes which can be enlarged later.

Sizes of Drills to Employ;

How to Test the Various Parts Before Assembly to for the tickler coil to be placed near the bottom of the front of the set.

By JOSEPH CALCATERA

No. 18 drill. This size of drill serves as a good clearance hole for all 6-32 screws, you can build the receiver with the astand as a starter for the larger holes which can be enlarged later.

Sizes of Drills to Employ.

All the holes marked "A" is an arrangement in the coils and to be sure that there is no break in any of the coils and to be sure that the coils and to be sure that the coil sand to the deal a

which can be enlarged later.

Sizes of Drills to Employ
All the holes marked "A" should next
be drilled out with a No. 10 drill; the
holes marked "B" with a ¼-inch drill;
theone marked "C" with a ¾-inch drill;
those marked "D" with a ¾-inch drill;
those marked "B" with a ¾-inch drill;
those marked "B" with a ½-inch drill;
the one marked "G" with a 1-inch
panel cutter.

In cutting out the large 1-inch holes
you will find it necessary to first drill a
smaller hole for the pilot of the panel
cutter.

You will notice that some holes have

you can build the receiver with the as-surance that when it is completed, it will be sure to work. It is much easier to test the parts before assembling them into the receiver than it is to try and locate a de-fective part when they are all wired to

gether.

A simple test apparatus can be rigged up by connecting a voltmeter in series with a B battery. The ordinary pocket voltmeter used to test B batteries will do. If you use the Jewell 135C tip jack voltmeter you can use the high voltage scale of this meter to advantage. Connecting the battery and voltmeter in series will leave two free ends or test points, one from the voltmeter and the other from the battery. These two leads are the ones

Figure 2. The completed Bruno Regenatrol, with its Lignole panel, Bruno dial, Corbett cabinet and Jewell meter, is indeed beautiful. For careful panel and subpanel drilling, send ten cents to Radio Digest for full-sized blueprint templates.

a solid line outer circle while others have a dotted-line outer circle. The circles Indicate that holes so marked should be countersunk for 6-32 flat head or oval head screws. On the front panel, the holes shown with a dotted-line outer circle should be countersunk on the front shown with a solid line outer circle should be countersunk on the top side of the subpanel (the side on which they were spotted), while those shown with a dotted-line outer circle should be countersunk on the bottom side of the subpanel (the reverse side from that on which they were spotted).

Why Parts Are Tested a solid line outer circle while others have

Why Parts Are Tested

Why Parts Are Tested

If you have followed directions carefully the panel and subpanel will now be ready for the parts.

Regardless of the care that is taken by the manufacturers of the parts to make sure that they reach your hands in good condition, the handling which some of the parts receive in transportation sometimes injures them and renders them unsuitable for use in a receiver.

While this chance is not great, you will find that it will pay you to test each part carefully before mounting it in the set and wiring it into the circuit. It takes only a very short time to test each indi-

which you can use to test across windings to discover any open circuits in windings or any closed circuits in condensers.

to discover any open circuits in windings or any closed circuits in condensers.

Testing and Mounting Bruno TK Unit. We will first take the Bruno TK unit. This unit comes assembled so that the secondary winding of each R.F. transformer is automatically connected across the terminals of its associated variable condenser, so that a test *cross the terminals of the variable condensers means nothing as the connection across the coils will show a closed circuit.

It is advisable, therefore, to disconnect the coil from across the condenser by loosening the connections at one end of the bracket, which mounts the coil to the condenser. This procedure is a little troublesome but it is worth while. Then connect the test circuit, consisting of the battery and voltmeter, across the condenser terminals and turn the rotary plates of the condenser throughout its range.

If the voltmeter needle does not move from zero, it shows that there is no short across the plates and the condenser is suitable for use. If there should be a deflection, the plates of the condenser are shorted and should be adjusted before mounting the unit on the set. This test should be applied to each condenser. Then test across the terminals of each coil to

the tickler coil shaft.

Inspection of Sockets and Radiohm
Next disassemble the sockets and make
sure that the spring members have not
been bent out of shape.
Connect your test circuit across the
terminals of the Radiohm to make sure
that there is an even variation in resistance as you turn the knob, with no open
circuit throughout the range of the instrument. Make a similar test on the
rheostat.

rheostat.
Test across the terminals of the battery Test across the terminals of the battery switches and check up to see that you have a closed circuit when the switch is in the "ON" position and an open circuit when it is in the "OFF" position. Such tests on simple apparatus may sound absurd but I have personally had experience with switches which have been shortcircuited and were "ON" all the time.

Testing AP and RP Transformers

with switches which have been shorteircuited and were "ON" all the time.

Testing A.F and R.F Transformers

Next take the untuned radio frequency
transformer and the audio transformers
and test the windings to make sure that
there is no open circuit in any of the
windings. When testing across the terminals of the audio transformers you will
get only a very slight deflection of the
voltmeter needle when using a 22½ or
45-volt B battery in your test circuit.
This is due to the resistance of the wire
used in the windings. The important
point is that you get some deflection to
show that the circuit is closed. The high
resistance of the transformer windings
makes it necessary to use a battery of at
least 22½ volts in the test circuit. If you
use a small battery, such as a 4½-volt
C battery, you will not get a deflection.

After testing each of the windings, that
is across the "P" and "B." and across the
"G" and "F." to make sure that the windings are not making contact. Also test between the "B" terminal and the case of
the transformer to make sure that the
case is not connected to either winding.
Test across the terminals of the choke
coll to be sure that the winding is intact.

Amperites and Other Parts
Next test across the terminals of the

Amperites and Other Parts
Next test across the terminals of the Amperites to see that there is no open circuit in any of them.
Next test across the terminals of all the fixed and Bipass condensers. There should be no deflection of the voltmeter needle in the tests on the fixed and Bipass condensers. condensers.

Test across the jack terminals to be sure that the terminals are not shortcircuited.

Now to test the Multiplug. Insert the plug into its socket and then test between each wire terminal and the corresponding color terminal of the socket. This test will do two things. It will check the contact that is being made between the receptacles of the socket and the spring tips of the plug, and it will also check the wire connections so that you will be sure that the color code on the socket corresponds with that on the wires.

It will pay you not to take anything for granted but to make all the tests.

(Continued on none 20)

(Continued on page 29)

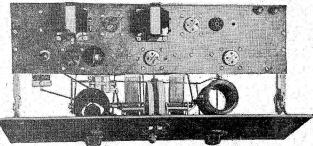
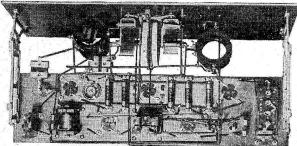


Figure 3. Looking down on the top of the assembled and completed Regenatrol. Note the relative positions of the various parts of the set.



re 4. If the Regenatrol, as shown in figure 3, is turned upside down on a horizontal axis, this view of the bottom of the set is obtained.

SOLVE WHOZITS AND WIN \$26,000 PRIZE AWARDS

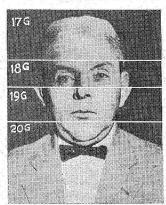






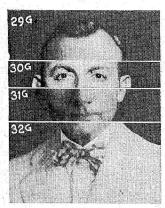


The following artists are in above panel: Bob McOsker, WOOD; Roy Clark, WOOD; "Dok" Eisenbourg, WNAC; John J. Fanning, WNAC.







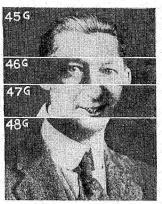


The following artists are in above panel: C. C. Sowerby, KPRC; J. Harry Kobusch, KPRC; Evans Prosser, WPG; Dr. A. J. McClure, WPG.









The following artists are in above panel: Ralph Freese, KOA; Freeman H. Talbot, KOA; Wally Allen, WMC; Harry O. Nichols, WMC.









The following artists are in above panel: Jean Goldkette, WJR; Richard Rolph, WJR; Prof. Harry Evans, KVOO; Parson L. E. Leeper, KVOO.

ASSEMBLE THESE PORTRAITS OF RADIO ARTISTS

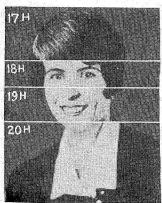








The following artists are in above panel: Herbert Sadler, CKY; Hugo Heyn, WOW (formerly WOAW); Axel Christensen, WHT; Billy Williams, WJAX.





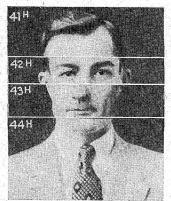




The following artists are in above panel: Eleanor Gilmour, WHT; Anna Canova, WJAX; Grace Leidy Burger, WOW (formerly WOAW); Kathryn Baird, CKY.

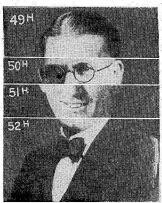








The following artists are in above panel: Ed Cody, WHK; Al O'Mara, WHK; John G. Heyn, KTHS; E. M. Matthew, KTHS.









The following artists are in above panel: Fred Smith, WLW; Tommy Reynolds, WLW; Edgar H. Twamley, WCC; E. John Richards, WCC.

GOODYGOODYGIRL

CAT LAST Lois Discovers That She Has Been Trapped in a Human Spider's Web, but She Is Strong Enough to Fight, and Bones Are Cracked

RKED by the dull monotony of life in the little town of Paradise, Lois Sylvester started out to visit a friend in a neighboring town. A care-free neighbor boy, Herbie Coles, offered her a lift in his car. She slapped him when he tried to kiss her. Aboard the train, after dodging her vigilant step-father at the station, she meets Raymond Lancaster and Mrs. Mildred Gayton, each acquainted with the other and chance fellow passengers on the train. An accident prevents Lois from leaving the train until she reaches Chicago. She becomes the guest of Mrs. Gayton who furnishes her with pretty clothes and convoys her into the swirting night life of the city. There she finds a bitter under-surface enmity between Mrs. Gayton's intimate friend, Neil Becker, and Raymond Lancaster. They all you to the pages Lois places a het on a swiring high life of the city. There she finds a bitter under-surface enmity between Mrs. Gayton's intimate friend, Neil Becker, and Raymond Lancaster. They all go to the races. Lois places a bet on a horse favored by Lancaster against the advice of Becker, to whom she entrusts the money for the bet. Herbie Coles appears and bets his last dollar on Becker's favorite. Herbie loses and Lois wins big odds. Before she can get the money she is taken away by Herbie. They are on some mysterious errand that requires speed. Lois doesn't know what it is all about, even when they are arrested for speeding, taken to a village jail and Herbie runs away leaving her to stand the gaff alone. She puts in a call for Lancaster. Herbie had told the chief she is a friend of Victor Jernifn, a member of Becker's crowd. Lancaster rescues Lois from the little jail while the whole force is out chasing bootleggers. While he is taking her back to Mrs. Gayton's he attempts to embrace her. She repulses him. He confesses that he loves her and then reproaches her for trying to trap him. He explains that Becker had told him she was merely posing as an innocent country girl to componise and blackmail him. She is stunned by this information and barely answers as she jumps out of Lancaster's car and runs up the steps to her friend's apartment.

CHAPTER XI

More Revelations

More Revelations

THEN Lois threw open the door to Mildred Gayton's apartment it was to find Neil Becker sprawled in an easy chair, his lean, saturnine face the picture of a thunder-cloud, his brack eyes smoldering. At sight of her, however, his features lighted up and he sprang to his feet and came toward her, outstretched hands inviting her own.

"This is luck," he exclaimed. "I was expecting Mildred . all set to give her the devil . instead, you walk income give us a kiss, sweetheart."

His manner was assured, his smile anticipative. Her wrath and indignation that he should have slandered her, steadily mounting for the last hour, touched white heat in a single bound.

"You dog! You cad!" she burst out furiously. "After spreading vile, uncalledfor lies about me—."

His lids narrowed to mere slits behind which the black eyes became glittering pin-points. "What are you talking about?" "Raymond Lancaster, has told me—."

"Lancaster, eh? You've been with him? Well, you needn't give the details of what he said. I can guess he didn't leave out anything."

"You admit—."

he said. I can guess he didn't leave out amything."
"You admit—"
Becker's shrug was nonchalant. "Admit?
Yes. Anything you wish. Lies? Why not, so long as they served a purpose."
His brazen effrontery made her gasp. "What do you mean by that?" she de-

manded.

COULD tell you to go to the devil with your questions but I won't," he retorted coolly. "Here's how it is. Laucaster's my enemy. He's been after me since I soil some stocks to a pet customer of his. They were no good, but hat was the other fellow's lookout. It wasn't Lancaster's aftair but he took it up been hunting a chance to do me thinks he'll land me in a zebra suit ultimately violating the brie-sky law—anyhow, he's had an idea he could use you. You're green, soft, a bit gone on him in the bargain. He'd twist you around his finger by making love to you, use you to get at me—look here! You've got to cut Lancaster out. I won't have you seeing him."

"What have you got to do with it?"

"A lot. I'm crazy about you. I want you. I've wanted you ever since you came

By MERLIN MOORE TAYLOR

here. I mean to have you, too. You're sweet, alluring, desirable. Come here!" around against her back. She began to A long arm shot out to seize her, missed as she backed precipitately; and loy terror struck her. Once more the mask was off, just as it had been that time as they danced in the night club. Again that sinsister thing she had seen then leered out at her; again she had a sensation of bared teeth and unsheathed claws.

"Come here!" he repeated and reached for her again. struck her. Once more the mask was oft, just as it had been that time as they danced in the night club. Again that sinsister thing she had seen then leered out at her; again she had a sensation of bared teeth and unsheathed claws.

"Come here!" he repeated and reached for her again.

"No! Keep away from me! Mrs. Gay-ton—"She was fighting off panic, trying to keep her wits, figure a way out—.

again wearing the things she had worn away from Paradise and the battered suitcase held the few pitiful things that had been hers in the first place. She stole to the door. The hall was clear. She picked up the suitcase, tiptoed to the kitchen, unlocked the back door, passed through it and down the rear stairs of the building and emerged in the alley.

As she passed the servants' entrance a girl who had turned into the alley from the street a moment before glanced at her sharply, then touched her on the arm. Lois looked up, recognized the maid. Suzette.

"You're going away, miss?" she asked.

"You're sthank God!" Lois spoke with heart-felt sincerity. "I'm done with Becker, Mrs. Gayton, Victor Jermin and all their rotten kind forever."

Becker, Mrs. Gayton, Victor Jermin and all their rotten kind forever."

"I'm GLAD to hear you say that, miss. They are a rotten lot. You don't belong. You never could belong. I've known that ever since you first came here. There've been times when I was of a mind to speak to you—well, you've found them out for yourself, just as I hoped you would. Now—are you going back home, miss?"

"No," said Lois. "I'm not going back nome. I don't belong right here in the city. I'm going to stay, fight . . . the city shan't down me . . it may be a long, hard struggle—."

"The first thing you've got to have is a place to stay," said the other, going with practical-minded efficiency straight to the heart of things. "If you've got no other plans, I've a sister that keeps a rooming house on the North Side. It's nothing swell . . most of the roomers are working people . . but it's clean and respectable and the rates are moderate."

"Give me your sister's name, the address and directions how to get there. I can stay there tonight, anyhow."

Mrs. Trickett, Suzette's sister, it developed lived in that region of small homes, boarding and lodging houses west of Lincoln park a few blocks. Lois reached it by a street car with one transfer at Center street, as the maid had directed. Mrs. Trickett had not, as Lois had feared, retired despite the lateness of the hour.

Mrs. Trickett had not, as Lois had feared, retired despite the lateness of the hour.

Note that the street of the hour is a street of face, kindly in voice, shrewd of face, kindly in voice, shrewd of face, kindly in voice as the street of the night. Mention of Suzette, however, proved an open sesame. Her sister had mentioned Lois more than once. She would be gind to give her a room. It proved to be a small room, three flights up. It had only a bed, a dresser, a couple of chairs and a stationary washstand but it gave Lois a feeling of ease and peace she had not experienced in many days.

"It's better than that cell," she told herself. "It's even better than Middred Gayton's, now that I know how her luxury is obtained."

When she was ready for bed she counted her money. Thirty dollars and some cents. Four dollars would go to Mrs. Trickett on the morrow for a week's rent. She would have twenty-six left. With careful managing it would last two, perhaps three weeks. A lot could happen in that time.

She wasted no time regretting that she had yielded to Nell Becker's suggestion that he keep for the time being the sixteen hundred odd that she had on at the races. It wasn't likely he'd give it to her now. A man who dealt in worthless stocks, who would try to take advantage of a young girl, would be capable of anything.

"He was right when he said for me to kiss my ten dollars goodbye," Lois mur-

thing.
"He was right when he said for me to kiss my ten dollars goodbye," Lois murmured sleepily as she turned off the light and drew up the covers. "I hope he has to spend it all for splitts and bandages for his arm."

Tomorrow, she decided, she would see McManus and take him up on his offer to sing in his cabaret.

Awakened at last to the perils that sur-rounded her Lois starts out to find a job and discovers that she is involved in a sen-sational highway murder. Victor Jeruin proposes and Mildred Gayton asks for-giveness. One amazing situation after an-other follow the adventures of the little Gody Goody Girl from Paradise and you must not fail to read the next installment in Radio Digest.

ent Your Blank?

ONGRESS convened December 6. That means that every Radio listener must bring every iota of strength to bear upon that body if legislation for the control of Radio is to be forthcoming.

Many important problems besides Radio are on its calendar. Many issues which seemingly have larger vote-earning possibilities will be crowded ahead of the Radio bills. It is up to YOU and I, and YOUR friends and MY friends, to show OUR Senators and Congressmen just how many votes are behind the cry for improved Radio conditions.

Senators and Representatives have a habit of working hardest on measures in which the people are most interested. They gauge this interest by the number of letters, postal cards and telegrams they receive from their constituents. Need I say more?

And if you haven't filled in a questionnaire for the National Survey of Radio Interference, which is being employed by Radio Digest as a lever for legislation, send a stamped self-addressed envelope today for whatever number of blanks you require. Enough said.—THE EDITOR.

"Mrs. Gayton?" He laughed mockingly, with his lips alone, showing too much of his teeth. "Mildred's out. I'm tired of her. I want you. I'll turn her out tonight. Come here!"

She stared at him, open-mouthed, comprehension beginning to dawn upon her horrified brain.

OU little fool!" he snapped. "Have you been blind as well as dumb? I own this place, every stick in it. I pay the rent, the maid—why, every mouthful you've had here, everything that's been given you, the very clothes you're wearing, have come out of my pocket. You're even sleeping in my bed and—"

"And Mrs. Gayton—?"
"Is mine, too. God knows I've paid for her. But she's through. You get her place."

place."
"Oh!" The insult was like a blow in the face. "You unspeakable dog! You ought to be tarred, feathered, ridden on a rail, shot!"

ought to be tarred, feathered, ridden on a rail, shot!"
"Tou're not down south now," he sneered. "That stuff doesn't go. A Sylvester doesn't mean anything. You're no better than a tramp. If you're going to sponge on me, I'm going to have something for it."

He came toward her again and her eyes flashed desperately about for some weapon. His walking stick lay on a chair beside his hat. She snatched up the stick.
"Take this, then," she crited and swung with all her strength at his head.
Becker's left arm jerked up protectingly in front of his face and the cane was shattered across his forearm with a sickening sound of bruising flesh and cracking bone. His teeth clicked together, his face drained white, a groan forced its way between his lips as he clutched at his arm.

"You little devil!" he gasped. "Till pay you back for this. I'll—"

His agony incited her pity for all her hatred of him. "I'm sorry," she said.
"You drove me to it. Now," she tossed away the broken half of the stick and went up to him, "if you want me to call a doctor—"

SUDDENLY he lunged at her and his uninjured right arm went around her waist. Long fingers clamped upon her

lips with his, knowing that it was only a question of moments before he would win and she would feel the caress of his besmirching mouth.

Relief came unexpectedly. A key clicked in the lock. Becker released her with a suddeness that sent her staggering and whirled to face the door. Mildred Gayton stood framed there and her jade eyes narrowed. Then she pushed the door shut and when she turned back her face was adamantine in its hardness.

"I might have known it would turn out like this," she said with a bitter, mirth-less little laugh. "The girl I befriended, that I loved like a sister, that I thought was pure and innocent—"

"Wait a minute," begged Lois.
"You shan't have him!" Mrs. Gayton's voice rose to a shrill pitch. "He's my man! Do you understand? He's mine and I'll hold him. I've held him against pretter, smarter, more clever girls than you and I'll hold him against you, too. He's told you he's tired of me, hasn't he? That he's in love with you? That he'll turn me out and give you my place? He told that to the others, too, but I kept him. I'l keep him now and no damned little hussy—"

hussy—"

"ToP!" Louis shot the word at her im a tone that brooked no opposition. "You never were more mistaken in your life. Look at this!" She held out her wrist to exhibit the marks where his endreling flugers had ruthlessly left their imprints upon her flesh. "Look at that!" Her forefluger indicated the pieces of the broken stick upon the rug. "Look at his arm where I hit him! Now, put those things together and tell me if I'm capable of what you said."

The jade eyes of her hostess followed where she pointed. A moment she stood, absorbing the significance of the girl's bruised wrist, the broken cane, the arm which dangled at Becker's side. Then with a little cry of "Neil! You're hurt" she darted to him. Forgotten was his betrayal of her love, forgotten that she should be begging forgiveness of the girl she had so wrongly accused, forgotten everything but that her men was hin bed

she had so wrongly accused, forgotten everything but that her man was injured. Lois shrugged and turned toward the hall that led to the room she had been occupying. Ten minutes later she was

FASCINATING AND INSTRUCTIVE—THAT'S WHOZIT









The following artists are in above panel: Monte Blue, KFWB; Jack Keefe, WSM; Melvin Dix, KMOX; Elmer Ihre, WSOE.









The following artists are in above panel: Mrs. M. H. Goldschein, WSM; Mrs. Louis Warfield, WSOE; Jacquinot Jules, KMOX; Patsy Ruth Miller, KFWB.

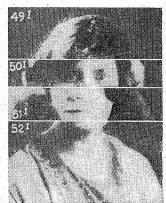








The following artists are in above panel: Al Hoffman, KJR; Harold Ramsey, WMAK; Roger Bower, WMCA; Sam Martin, WHB.









The following artists are in above panel: Occabe Curre WMAK; Jeanette Plotz, WMCA; Donna Taylor, WHB; Molly McNeill, KJR.

WOMAN'S PROGRAM INDEX (Daily Unless Indicated)

Household Economics, Women's Hour, Etc.

Eastern Central Mountain Pacific 9:30 a.m. 8:30 7:30 6:30 WWJ (352.7m-850kc), Tonight's dinner. 10 9 8 8 WIP (508.2m.50kc), Homent's dinner. Sat. WMCA (340.7m.880kc), Homemakers' club, Tues. 10.15 8:15 7:15 KDKA (340.8m.970kc), Homemakers' chats, Tues, Fri. Tues, Fri. 2000 August 2000 Au Wed, Fr., 10:45 300 in 970ke), Berty Cv6 cleer, Mon, 745 d., 10:45 300 in 970ke), Berty Cv6 cleer, Mon, 745 d., 10:45 40 cleen, 860ke Cv6 cleen, Wed Fri; WTAM (389,4m-770ke), Mon, Wed, Fri; WBCN (266m-1130ke), Home service program, 10:55 8:55 KSAC (340,7m-880ke), Housewives' half bour, 11 WBCN (285m-1650ke), Polly Porter, 8 WICC (285m-1650ke), Polly Porter, WBCN (1270,1m-1110ke), Homemakers' hour, Tues, 10:45 40 cleen, 10:45 4 WICC (285m-1050kc), Polly Porter, bour, Tues, W1C (272), mil-110ke), Romemakers hour, Tues, W5B (425.3m-700kc), Romemakers hour, 11:10 10:10 9:10 8:10 WEAO (293.9m-1020kc), Homemakers hour, 11:16 10:15 WCA3 (461.3m-650kc), Women at home. S15 WCA3 (340.7m-850kc), U. of Neir, hour, Mon., Wed, Fri., Dec. 15, salads; Dec. 17, Christmas Dimer Suggestions. 9:25 8:45 WCA9 (340.7m-850kc), U. of Neir, hour, Mon., Wed, Fri., Dec. 15, salads; Dec. 17, Christmas Dimer Suggestions. 9:25 8:45 WCO (491.4m-720kc), WDA (55.6m-850kc), Edity Crocker, Mon., Wed, Fri., WNN C (526m-570kc), Home economics, Wed. WEH (370.7m-810kc), Prudence Penus, 9 12:15 pm. 11:15 KMON (280.2m-1070kc), Cooking, household hints. ANUM 1280.2m-1070ke), Cooking, household hinds, 12:30 10:30 10:30 19:30 10:30

Eastern	Central	Mountain 12:05	Pacific
2:05 p.m KJR (384.4	m-780kc), I	rudence Penny, baily menu, ex 12:10	11:05
WJZ (454.3	m-660kc), L	any menu, ex	Sat.
KGO (361.2	2m-830kc), F	rudence Penny.	
			11:15
WJZ (454.	3m-660ke),	Shopper's aid. Dennison craft, 12:25	Mon. 11:25
2:30 KENE (46)	1:30	12:30 Women's hour	11:30
KJR (348.4	m-780kc), S	hopping news.	12
Dicco inc	(m. 7201-a)	Waman'a bassa	Wad Tai
WHB (365.	6m-820kc),	Women's hour, Ladies' hour, N	Ion, Wed.
WEOF 1946	5m-10201kg)	Cooling chate	Man
WIP (508.	2m-590kc),	Cooking chats, Market hints f	or house-
WIZ (454	3m-660kc). V	Tues, Fri. our daily menu	Selfa Le Te
3:13	2:15	1:15	12:15
WHO (526	m-570ke), 1	ecipes, househ	old hints,
3-30	2:30	1:30	12:30
WHK (272	.6m-1100ke),	Housekeeper's	chat.
KENE (461	3m-650kc)	1:45 Ladies hour, A	on, Tues.
Inurs. F	ri.		
WIP (508.	2m-590kc),	Market hints :	or house-
WOC (483)	ues. 6m-620ke).	Market hints: Aunt Jane, Home economics 2:30	
WQJ (447.	5m-670kc), 1	Iome economics	1.20
KMOX (2)	80.2m-1070kc). Housewives'	hour.
WEAF (49	01.5m-610kc)	Home economics 2:30), Housewives' , WEEL, WLI	T, WRC,
KOA (32	2.4m-930kc),	Housewives'	matinee,
5:15	4:15	3:15 Meat talk, Joh	5 Cutting
Mon.	and the second		
WMAQ (447.5m-670k). Methers i	n council,
	5:30	4:30	3:30
hints, T	ues. Thurs.	Question box Fri. Cooking school	, culinary
WLW (422	3.3m-710ke),	Cooking school	, Wed.
KGO (361	.2m-830kc),	Hints for hor	sekeepers,
Wed. 8:30	7:30	6:30	5:30
KUOA (2	99.8m-1000ke	6:30 Dec. 20,	Christmas
Cookies.	Wile manage		
KUOA (2	99.8m-1000k	e), Dec. 16.	'Christmas
KOB (348.	.6m-860kc),	Housekeepers'	chat, Mon.

"Aunt Sammy"

Central Mountain 10 a.m. 9 8 7 WGBS (315.6m-950kc) Mon. 10:30 9:30 8:30 7:30 WCSH (277.6m-1080kc), WHO (526m-570kc).

Eastern 10:50 a. m	Central 9:50	Mountain 8:50	Pacific 7:50
WMC (499.	7m-600kc),	Mon, Thurs.	8
WEAO (29)	3.9m-1020kc).	10	9
WAMD (24	3.8m-1230kc) 5m-1170kc) V	Vad	el Tyl
1 p.m.	12	11 Mon. Wed.	D. 10
1:10 KPO (428.3	12:10	11:10	10:10
1:15 KFOA (454	12:15	11:15	10:15
1:30	12:30	11:30	10:30
	12:45 5.6m-820kc).	11:45	10:45
2	1	12	11
KOIL (305.	2	1	12
3:30	3m-650kc); I	KSL (299.8m- 1:30	1000kc). 12:30
4	6m-950kc).	2	1
WOC (483.	4	3	. 2
WOS 1440	5	4	3
KFXF (249	.9m-1200kc), 9.9m-1250kc).	Tues, Thurs	, Fri.
8:30	7:30	6:30 Wed, Thurs.	5:30
ALL 101 (200	10004077		

Women's Clubs

		Mountain	
11 a.m.	10	9	8
WOI (270n Wed.	n-1110kc), Fe	ederated Won	nen's club,
11.30	10:30	9:30	8:30
WNAC (43	0.1m-697kc),	Women's club).
12 n.	11	10	9
WHT (399.	8m-750kc), V	Women's club.	
3-05 p. tr	2:05	1:05	12:05
WBAL (23)	9.9m-1250kc).	1:05 Talks for w	omen,
4	3	2	1
WGN (302	8m-990kc), V	Voman's club.	
4:05	3.05	2:05	1:05
WCCO (41	16.4m-720kc), n's clubs.	Minnesota	Federation
or wome	n s ciuos.		0.45
5:15	4:15	3:15	2:15
WMAQ (4 Women's	47,5m-670kc) clubs, Thurs	3:15 , Illinois Fee	deration of

Fashions and Sewing

Eastern	Central	Mountair	Pacific
12:30 n.	m. 11:30 5m-670kc), St	10:30	9:30
1.35	12:35	11:35	10:35
KPO (428	3.3m-700kc), F	ashion crit	ic, Fri.
WGBS lessons.	315.6m-950kc).	Excella	dressmaking
2:20	1:20	12:20	11:20
5	.2m-660ke), Fa	3	2
C.AC	0.9m-680kc), F: 5:45 2.4m-930kc),	4.45	3:45
Thurs,	Eri.	casmon r	eview, Tues,

Eastern Central Mountain 54:05 Pacific 4:55 Pacific 4:55

Health and Beauty

Eastern Central Mountain 8:48 Pacific 7:45 P Central Mountain Pacific 9:45 8:45 7:45 Mon, Thurs.
5 4 3 2
WOS (440,9m-680kc), Health talks, Tues.
8:30 7:30 6:30 5:30
WEAO (293.9m-1020kc),

Child Care; Training

Ratism Central Wountain Pacific States and States S 2:30 1:30 12:30 11:30 WGY (379.5m-790kc), "Music for the Child," Marion Ellis. Marion Ellis. 5 KNX (336,9m.890kc), Dec. 15, "Care of Chil-barron" Dr. Burr. 5:05 7:05 KFAB (340,7m.880kc), Dec. 15, "The Farm Child." J. O. Nankin. 7 SOA (322.4m-930kc), "Work and Play for the

Interior Decorating

Eastern Central Mountain Pacific 2220 m. 12.120 m. 12.12 10:30 9:30 8:30 7:30 KWSC (348.6m-860ke), Dec. 22, "Hanging Pic-

LISTENING IN ON THE WOMEN'S PROGRAMS

Nellie Taylor Ross, Governor of Wyo-ming, recently dedicated the new Glinbel Brothers store in Philadelphia to the women of the country. The dedicatory address was broadcast by WIP and WGBS, Glinbel stations in Philadelphia and New York respectively.

Harriet Adams, well-known beauty and health expert, is now broadcasting a series of talks on health and beauty from sta-tion WHK, Cleveland. She is on the air Tuesdays at 4 p. m. Eastern time.

A recent novel program broadcast via WFEG, "Voice of the Alleghenies," at Altona, Pa., was the Gable style review for fall and winter, conducted in the State theater there by the William F. Gable Co. Roy F. Thompson, WFBG directorannouncer, gave minute descriptions of every move made by the models on the stage and carefully visualized the scene.

A Radio shopping service is being conducted by Mrs. Grace Hill over Station W.IZ. New York. At 2:25 Eastern time each Monday afternoon, Mrs. Hill describes interesting articles she has observed on recent shopping tours. These articles, or any other merchandise, can be purchased by writing to Mrs. Hill, care of WJZ.

"News for the Housewife," broadcast by WQJ, the Calumet Powder-Rainbo Garden station in Chicago, includes some interesting and helpful information worth repeating here. Some of the "news" is:

To remove Jelly from Mold.—Jelly or ice cream will slip out without sticking if a hot cloth is folded around the mold for a few minutes.

Delightful Incense.—Put a little heap of event delows in your incense burner in

Delightful Incense.—Put a little near or ground cloves in your incense burner instead of the regular incense which you buy. The door is very pleasing.

For Your Bed Sheets.—You will lengthen the life of your sheets considerably it you place the narrow hem at the head of the bed on alternate months. This distributes the wear more evenly.

To make people feel at home in the social world is the purpose of KOA's new educational feature, "Etiquette-Over-The-Air," sponsored by the Colorado Women's college at Denver.

The course, which began a month ago, is to cover a period of weeks, and is being conducted in bright dialogue by Mrs. Helen Rumsey Robinson, head of the dramatic department of Colorado Women's college and her pupil, Roslind Graves.

SHORT WAVES

- By Marcella

(Continued from page 2)

(Continued from page 2)
tor Freeman Talbot, who came up to Raddo
Digest office during his trip to Chicago
to broadcast the Army-Navy football
game. He does not know that I saw him.
He is about six feet two, has kindly gray
eyes, rather a square face with healthy
complexion, slightly gray dark hair and
powerful physique. He smiles easily and
Miss Bonar was right about the dimples. Of course he is—how could a man
like that live and not be. He said there
had been three marriages at KOA during
the past year. And there were three divoirces. So the score stands, Army 21 and
Navy 21, However, there are prospects
of another score for Hymen in the near
future. future.

Sally writes from Hammond, Ind., and says she didn't like the picture I had of Haroid H. Isbell, announcer at KNX, Los Angeles. Sally says: "I am a dyed-in-the-wool-and-a-yard-wide Isbell fan. I know he is the best announcer on the air. And before they left Chicago she whom Haroid worships sent me, unsolited, a splendid likeness of her popular husband. Later I had the honor of being entertained in their lovely home out in Maywood. I think Harold is a veritable Greek god for looks—no picture can really do him justice, and if he didn't possess a real keen sense of humor he might be insulted by this thumbnail print likeness. But you can't have my picture—no, indeedy! I wouldn't take a thousand dollars for it." That's Sally for you. But she tells me where to get a picture of Haroid from his mother out in Maywood. Oh, Sally, I haven't the heart to tell where the picture came from after that and the nice little comment you made about my column at the end of your letter. I just couldn't.

Ah ha! Joseph Shefner of Motley, Minn, thinks he has discovered the true identity of the Silver Masked Tenor. 'Is this Henry Barr that sings over the WEAP chain on Thursday from the Goodrich Zipper Club the same man as the Silver Masked Tenor who used to sing during the Goodrich Silvertown cord orchostra on Thursday night? Their voices sound very much alike." Sorry, but you are wrong, Joe. The S. M. T. is off the air until next Spring but if you watch closely, you may find him booked soon at your home town vaudeville house.

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.

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New York

Chicago

San Francisco

Radiophone Broadcasting Stations

Listed by States and Cities-Dec. 15, 1926

State, City, Call Alabama: Auburn, WAPI Birmingham, WBRC, WKBC Gadsden, WJBY Montgomery, WIBZ

Arkansas: rkansas: Fayetteville, KUOA Hot Springs National Park, KTHS Newark, KGCG

KTHS Newark, KGG

KTHS Newark, KGG

Callfornia:
Alma, KYGU
Avalon, KFWO
Bear Lake, KFXB
Burtlugame, KFOB
Eureka, KFWH
Fresno, KM, KFOZ, KFW B,
KMTR, KNX
Long Beach, KFON
Long Beach, KFON
Los Angeles, KFWH, KFPR,
Oakland, KFUS, KFWL,
KFWM, KGO, KLS, KLX,
TORK, KWM
Pasadena, KFPC, KFSN
Sacramento, KFIK,
San Diego, KFE, KFSN
Sacramento, KFIK,
San Diego, KFE, FRC, KFWL,
RGTT, KJBS, KFO, KUO
San Jose, KFAT, KOW
Santa Ana, KW, KEIJ
Santa Maria, KSMR
Santa Maria, K

Colorado: Springs, KFEL,
KFUM
FUIP KFXF, KFVR, KFUM
Denver, KFUP, KFXF, KFVR,
KLZ, KOA
Edgewater, KFXJ
Greeley, KFKA
Gunnison, KFHA
Trinidad, KFBS

Connecticut:
Hartford, WTIC
New Haven, WDRC
Stores, WICC

Delaware: Wilmington, WDEL

District of Columbia: Washington, WMAL, WRC, WRHF

riorida:
Clearwater, WGHB
Fulford by the Sea, WGBU
Fulford by the Sea, WGBU
Fulford by the Sea, WGBU
Miami Beach, WIOD, WMBF
Orlando, WOCB
Fensacola, WCAA
St. WGABBUTE, WHBN, WJBB,
Tampa, WDAF Tampa, WDAE Winter Park, WDBO

Georgia:
Atlanta, WDBE, WGST, WSB
Macon, WMAZ
Savannah, WEBZ

laho: Boise, KFAU, KFDD Kellogg, KFEY Pocatello, KSEI

Hinois:

Intavia, WORD
Carthage, WCAZ, WTAD
Carthage, WCAZ, WTAD
Chicago, KYW, WAAF, WEBM,
WEBZ, WE CN., WCLLWEBZ, WE CN., WCLLWE NR., WFLER, WC N.
WEBZ, WH B M, WHFC,
WH T, WH B M, WHFC,
WH T, WH B M, WH SC,
WEBZ, WKB M, WH B Z,
WABB WC WC WOBB, WFCC,
DOOD, WEAX, WSUC, WSWS
DECORPORATION, WEBS,
Galesburg, WF B Z, WKBS,
WRAM, WEBG Evanston, Galesburg, WRAM

owa:
Ames. WOI
Ames. KICK
Hones. KFGO
Burlington, WIAS
Celar Rapids, KWCR, WJAM
Clarinds, KSS
Celar Rapids, KWCR, WJAM
Clarinds, KSS
Creato, KGIS
Decorah, KGC
Decorah, KGC
Decorah, KGC
Des Moines, WIJI
LeMars. KWUC
LeMars. KWUC
Marshalltow, KFBP
Muscatine, KFBP
Muscatine, KFBP
Shenandoah, KFNF, KMA
Sioux City, KFMR, WEAU

State, City, Call ansas:
Miliord, KFKB
Concordia, KGCN
Independence, KFVG
Junetion City, KFJC
Lawrence, KFKU
Manhattan, KSAC
Wichita, KFH, KFOT

Kentucky: Louisville, WHAS, WLAP

outsiana:
Kennonwood, KFDX
New Orleans, WABZ, WCBE,
WJBO, WJBW, WKBT,
WSMB, WWL,
Pineville, KFWU,
Shreveport, KRAC, KSBA,
KWKH

Maine: Bangor, WABI Orono, WGBX Portland, WCSII

Maryland:
Baltimore, WBAL, WCAO,
WCBM, WFBR
Takoma Park, WBES

Massachusetts:
Boston, WBZA, WEEI, WNAB,
WNAC, WSSH
Fall River, WSAR, WTAB
Gloucester, WEPS
Gloucester, WEPS
Gloucester, WEPS
WER
WEW
Bedford, WIBH, WNBH
OSterville, WJBX
Sommerville, WJBX
Sommerville, WJBX
Sommerville, WAGS
Springfield, WHB
WJBIASON, WATE
Webster, WKBE
Wollaston, WKES
Worcester, WTAG

Minnesota:
Barrett, KGDE
Collegeville, WFDI
Collegeville, WFDI
Minnespolts, KFDZ, WAMD,
WCCO, WDGY, WHDI, WLB,
WCREAU
AND COLLEGE
NOTHER AND COLLEGE
ST. Cloud, WFAM,
St. Paul, AV7, KFOY
Shiripok, KIAF

Mississippi: Coldwater, WREC Oxford, WCBH

Missouri:
Cape Girardean, KFVS
Carterville, KFVW
Columbia, KFRW
Columbia, KFRW
Columbia, KFRW
Missouri:
Mi

Montana: Havre, KFBB Missoula, KUOM Vida, KGCX

lebraska:
Clay Center, KMMJ
David City, KFOR
Hasting, KFKX
Lincoln, KFAB, WFAV
Norfolk, WJAG
Oak, KFEO
Oak, KFEO
Oak, KFEO
Oak, KFEO
UNIVAL
UN

New Hampshire: Laconia, WKAV Tilton, WBRL

New Jersey;
Atlantic City, WIIAR, WPG
Camden, WCAM
Chiffside, WFAP, WQAO
Chiffside, WFAP, WQAO
Lessey City, WAAT, WKBD
Lakewood, WCCG
Lambertville, WTAZ
Nework, WAAM, WGCP, WNJ,
North Bergen, WBMS,
North Plainfeld, WEAM
Paterson, WDA
Trenton, WDA
Trenton, WOAX

New Mexico: Albuquerque, KFLR, KFVY State College, KOB

lew York:
Auhurin, WKBR
Bay Shore, WKST
Bound Brook, KVZ
Bound Brook, KVGR, WKBW,
KVST
Canton, WCAD
Canton, WCAD
Freeport, WGBB
Freeport, WGBB
Freeport, WGBB
Jamestown, WGCL
Kingston, WDBZ,
Kingston, WDBZ,
Kingston, WDBZ,

State, City, Call
State, City, Call
Sew York (Continued)
Newburgh, WKBM
New York, WKBM
New York, WKBM
New York, WKBC,
WBBR, WKBJ, WFKL
WFMC,
WJUG, WSW, WFMC,
WJUG, WJY, WKBC,
WJMC, WYYC, WFCH,
WTMC, WYYC, WFCH,
WTMC, WYYC, WFCH,
WTMC, WYYC, WFCH,
WTMC, WKMC, WYYC, WFCH,
WTMC, WYYC, WFCH,
WTMC, WYYC, WFCH,
WHEN
Reckester, WKBO, WHAM,
WHEC
WHAM, WHAM,
WHEC

WHEC Schenectady, WGY Syracuse, WFBL Tondi, WONK Troy, WHAZ Utica, WIBX Wood Haven, WJBV Woodside, WWRL

North Carolina:
Asheville, WABC
Charlotte, WBT
Fort Bragg, AT9
Greensboro, WNRC
Raleigh, WRCO

North Dakota:

Bismarck, KFYR
Devils Lake, KDLR
Fargo, WDAY, WPAK
Grand Forks, KFJM

Grand Forks, KFJM

Ohlor

Akron, WADC

Bellefontaine, WHBD

Canton, AQ6, WHBC

Clucimant, WAAD, WFDE,

Cleveland, WDEK, WEAR,

WHK, WTAM, WEAR

WHAN, WASMA

Hamilton, WRK, WSRO

Pomeroy, WSAZ

Springfield, WCSO

Steubenville, WIBR

WASH

WA

Oklahoma:
Bristow, KVOO
Chickasha, KOCW
Norman, WNAD
Oklahoma City, KFJF, KFXR,
KGCB, WKY
Tulsa, WLAL

Oregon:
Astoria, KFJI
Corvallis, KÖAC
Portland, KFEC, KFIF, KFIR,
KFWV, KGW, KÖIN, KTBR

Pennsylvania
Allentown, WCBA, WSAN
Allentown, WCBA, WSAN
Allentown, WFBG
Allentown, WFBG
Allentown, WFBG
Allentown, WFBG
Grove City, WSAI
Haverlord, WABB,
Haverlord, WABB,
Haverlord, WABB
Johnstown, WHBC
Jeannette, WGB
Jeannete, WGB
Jeannete, WGB
Jeannete, WGB
Jeannete, WGB
Jeannete, WGB
Je

Whode Island:
Cranston, WDWF
Pawtucket, WFCI
Providence, WCBR, WCBS,
WCWS, WAAN, WJAR,
WLSI, WRAH

South Carolina: Charleston, WBBY

South Dakota:
Brookings, KFDY, KGCR
Dell Rapids, KGDA
Rapid City, WCAT
Sioux Falls, KSOO
Vermillon, KUSD
Yankton, WNAX

ennessee:
Chattanooga, WDOD
Knoxville, WFBC, WNOX
Lawrenceburg, WOAN
Memphis, W G B C, W H B Q,
Nashville, WBAW, W D A D,
WLAC, WSM
Tullahoma, WCFT

WLAC, WSM. WAB, TURAD TURADOM WCFT
Teans:
Amarillo, KCRS, WDAG
AMSTID, KCRS, WDAG
AMSTID, KCRS, WDAG
BEAUMON, KFDM
BEOWNSVILL, KWWG
College Strion, WTAW
DBIDS, KRLD, WFAA, WRR
DBIDS, KRLD, WFAA, WRR
DBIDS, KRLD, WFAA, WRR
DBIDS, KRLD, WFAA, WRA
DBIDS, KRLD, WFAA, WRA
HOSTON, KFLM, KFU, KFUL
Greenville, KFPM
HOSTON, KFVI, KFUL
GREENVILL, KFVI, KFUL
TEARTAIN, KFVI, KFVI
TEARTAIN, KFVI
TEARTAIN, KFVI
TEARTAIN, KFVI
TEARTAIN, KFVI
TEARTAIN, KFVI
THE

Utah:
Logan, KFXD
Ogden, KFUR
Salt Lake City, KDYL, KFOO,
KFUT, KSL

Vermont: Burlington, WCAX Springfield, WQAE

Spiring.

Virginia:
Norfolk, WBBW, WTAR
Radio, NAA
Richmond, WBBL, WRVA
Roanoke, WDBJ

Washington:
Everett, KFBL
Lacey, KGY.
Olympia, KFRW

Vakuma, KFIQ.

Wisconshit
Belott, WEBW
Camp Lake, WCLO
Eau Claire, WTAO
Eau Claire, WTAO
Eau Claire, WTAO
La Crosse, WKIH
Madison, WHA WHA
Maninovoe, WOMT
Malinovoe, WOMT
Minyalee, WGWB, W HA D,
WKAY WSOB.
WKAY WSOB.
WKAY WSOB.
WKAY WSOB.
Stevens Point, WLBL
Superior, WEBU
Superior, WEBY

Wyoming: Laramie, KFBU

Anchorage, KFQD Juneau, KFIU Ketchikan, KGBU

State, City, Call Hawaii: Honolulu, KGU Porto Rico: San Juan. WKAQ

San Juan, WKAQ

Canada:

Brantford, CPCC

Brantford, CPCC

Brantford, CPCC

Brantford, CPCC

CLKC

CLSEAY, CLKC

CAISARY, CFCY

CHACLOTTAC, CPCN, CNRC

CHARLOTTERWN, CFCX

CLA, CNRE

Haliax, CHNS

Edmenton, CFCK, CICA, CNRE

Haliax, CHNS

Haliax, CHNS

CHCC

Kamlooge, CFC

CKAM

Montreal, CFCR, CFRC

CNRM

New Westminster, CFCC, CRO

CHSC

CHNC

CKPC

Regina, CHNC, CKCC, CNRC

Saakatoon, CFC

Sca Island, CJORI

South Letthirdge, CJOC

L'Tis' and 'Y

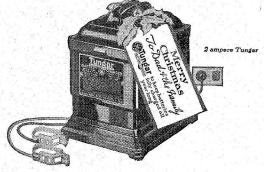
State, City, Call
Canada (Continued)
Summerside, CHLC
Thorold, CFC, CHLC, CHNC,
TOURS, CHC, CHNC, CNFC,
CKCL, CKNC, CNFC,
Vancouver, CFCO, CFDC, CKCD,
CKFC, CKNC,
Winnipeg, CKY, CNRW

Chihushua, CZF Mazatan, CYR Mexico City, CYA, CYB, CYG, CYH, CYL, CYX, CYZ, CZA, Monterey, CYS Oaxaca, CYF

BOGUS LITTLE JACK
LITTLE IS EXPOSED

There is only one Little Jack Little. Imposters, beware!
Bogus artists may sometimes fool a studio director but they never fool a listener. That is how Little Jack Little, traveling Radio artist, discovered that some strange-person has been appropriating his name and peculiarly individual entitlements and mannerisms.

Letters received from various points west signed by listeners stated a certain broadcaster and vaudeville performer had been introduced as Tittle Jack Little, but when the voice came on the air it obviously belonged to "Someboty Else," but when the voice came on the air it obviously belonged to "Someboty Else," The imitator even went so far as to use Jack Little's "trade mark," such as "Here discovered, he is gone.



Send your good wishes -and a Tungar too

Trickle — for continuous charging of small "A" batteries: for all 4 to 6 volt small sets.

East of the Rockies 2 ampere Tungar, \$18 5 ampere Tungar, \$28 Trickle Charger, \$12 (60 cycles-110 volts)

Merchandise Department General Electric Company Bridgeport, Connecticut

If he enjoys the radio-surprise him with a G-E Tungar. It will keep batteries fully charged; help him to obtain better reception. Through the years, its helpfulness will be a constant reminder of your greetings.

Two ampere, five ampere, or Trickle Charger your dealer will show you the correct type for any service. They are all made by General Electric—they all can be permanently installed, and they all say "good-bye battery charging problem."

P. S. Treat yourself to one, too.



GENERAL ELECTRIC

Radio Digest

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

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Vol. XIX

December 15, 1926

Good and Bad Ether Ads

OUR comments last issue on the subject of mismanaged broadcasting stations have been taken amiss by some broadcast advertisers and others who were contemplating using the ether waves as a means of creating good will. Evidently the similes were not made plain.

We wish to reiterate our statement, published many times previously, that good broadcast advertising is the most powerful good will builder and creator of future sales yet known to man. Please observe the

future sales yet known to man. Please observe the word "good."

At the present time, direct sales messages and price

At the present time, direct sales messages and price list announcements are not considered the things to broadcast. The only accepted form of ether ads thus far accepted by the public are musical programs of high quality, be they classical or popular, travelogues, and instructive talks or lectures.

The musical program is simply labeled as sponsored by a certain concern or individual. The travelogues, talks and lectures may subtly, never abruptly suggest the employment of the services or products of the firm subsidizing such programs. When presented in this fashion, broadcast advertising has indeed a tremendous appeal, entering the home as an invited guest and obtaining the undivided attention of the listener.

As a matter of fact, many toll or commercial broad-

As a matter of fact, many toll or commercial broad-casting stations are charging entirely too little for their time, based comparatively upon the good will possi-bilities of magazine and newspaper advertising. And conversely, many commercial broadcasters charge entirely too much for their time when all they accomplish is cluttering up of the already congested ether with direct sales messages, and this sometimes at the cost of destroying high quality programs emanating from first-class stations on closely neigh-boring wave lengths.

WGES, WGN and The Public

WGES, WGN and The Public OCUPYING first attention in many editorial columns during the past few weeks has been the WGN vs. WGES injunction suit. Judge Francis S. Wilson, of the Circuit Court of Cook County, Illinois, issolving the preliminary injunction against WGES interfering with the broadcast programs of Station WGN, has ruled that "if the defendants (WGES) use a wave length in closer proximity than the one stated (one closer than fifty kilocycles of WGN) it must be at the risk of the defendants (WGES)".

That ruling, if it is followed through by suit for damages against WGES in the event that station does not stay far enough away from the pioneered and popularized wave channel of WGN, should do much to clear the air of the present congestion brought about by the lack of adequate federal legislation.

WGES maintains that selective sets in Chicago can separate the two stations satisfactorily even when

WGES maintains that selective sets in Chicago can separate the two stations satisfactorily even when WGES is but forty kilocycles away from WGN. What is meant by "selective sets" is a question. We grant that such sets are obtainable, but the average listener does not possess such a receiver.

After all, broadcasters should be so free from interference as to make their separation possible by the cheapest and most humble forms of Radio sets employed by persons not blessed or cursed with an abundance of wealth.

The Interference Survey

ADIO DIGEST thanks the many newspapers and broadcasting stations which have helped in its National Survey of Radio Interference. By the organized effort set forth many valuable data have been obtained which, when tabulated, not alone will aid official Washington in formulating a worth while Radio law, but will surprise many broadcasting stations which feel themselves such essential factors in the scheme of things.

the scheme of things.

When the tabulation is complete, nothing will be left unpublished. Stations which the public despises since their jumping activites have made them thorns in the ether, will find their names listed in the proper order, voted there by an indignant invisible audience.

RADIO INDI-GEST

"Peace on Earth Good Will Towards Men"

Let all the world with love give praise Carols of the yule tide;
While chimes of all the churches ring By every fiveside.
The etheral space out overhead Is ringing with good cheer Tune in then by your cozy hearth To bring its comfort near.

"Peace on earth, good will towards men" From all the stations sound; Just sit at home, tune anywhere, To hear where songs abound.
A privilege to live today—
With all these marvels here.
Making Christ and Christmas time To every soul more dear.

RHEA SHELDON

A Note From the Tromboner

A Note From the Tromboner

Malt Nutrine, Wis.

Hello, Indi: What's all this about deporting me?

And having the Limers maltreat me in dear old Blighty?

You should be ashamed of yourself, if such a thing is
possible with a newspaper man.

Was in Chi last month. Ya gotta hand it to the Radio
waves from the Wrigley building. It took me five minutes to find a loop hole in the traffic large enough to let
me slip across Michigan boulevard. And said waves do
it at 186,000 miles a second.

Stopped in at a cut rate Radio store and a city slicker
wanted to sell me a condenser with alemite system.
Just as if sewing machine oil didn't do the trick.

While admiring the Tribune Tower another slicker
came up to me and wanted to sell me the exclusive
rights to broadcast. Said he was Mr. Tribune himself.
I didn't want to take him up on it because I had only
\$337 with me and he wanted \$500. So he said it would
be all right to leave the \$337 with him as first payment.
He gave a receipt, so I guess I can't lose by that ch,
Indi?

"Nother guy said to me, "Are you from Wisconsin
mister?" Instance.

He gave a receipt, so I guess I can't lose by that ch. Indi?
Nother guy said to me, "Are you from Wisconstn, mister?" I said, "Yes." Then he told me he was an inventor and he had a scheme of keeping the lake level up by gathering in all the worn Radio waves after you got through using them on the Radio and putting them in Lake Michigan. I don't know if it will really work but he had an honest way about him so I let him have \$100 and he said he would never forget me.

Then there was Mr. And of Sears And Roebuck. He was very high toned. He told me that his concern was not going to Issue any more catalogues but that they are going to broadcast them. He offered me the job of chief announcer at 60,000 a year per annum. I said I'd take I would be on the job when they started. Pretty soft, ch? I sure cleaned up on my Chicago trip, all except some tubes I bought. A store had an ad, "Radio Tubes—while they Last—lee a piece." I bought a dollar's worth and when I got them home they wouldn't light. So I wrote to the store and they wrote back and said you must of got them just as they wore out. Hoping you are the same.

THE THIRD TROMBONE PLAYER

THE THIRD TROMBONE PLAYER Oh, he had a way about him, did the third Trombone

player.

Rancous voice of INDI: 'Sa pity he don't weigh more!

"NuRsrie Rimes 70/.

Hie didle de didDel,
The Sheke PlAid a fiddel &—.

ANd Hiz Cheba sun's ov the Moon \$-...

Hit made the thurd Tromeboen grinn://.

As he wippEd offen his chinn?/.

Too rede Whut Marcellie rote ov the loon"%/?

Yourns turlie,
OLD KING TUTT.

Hiz-% % % % self.

No, "Old Ring Tut" Did Not Violate Mr. Volstead's Act, before typing off the above. His only alibi is that his portable "Grona" was trying to keep up with the heterodynes, new stations, etc., oozing forth from his loud speaker as he attempted to concentrate on this masterful writing.

Whozit?

Who is it took away our beer,
And put a heavy tax on cheer?
Who said it surely is a sin,
To mix highballs with rye and gin?
Whozit?

Who is it said he picked up Mars, And heard the rumbling of her motor cars? Now wouldn't that wreck your Leyden jars, And make you curse like Southampton Tars? Whozit?

Whozit says he'll give a prize,
To those that have good ears and eyes?
Don't know his weight; don't know his size,
But he's one of the best of regular guys?
Whozit?

ARTHUR C. STOWELL

"Roover Says Boom Year for All," sez the Chi Tribune. Whereupon we wish to comment before signing off. Yes, Yes, Herbert, we have indeed had a boom year, especially in Radio Broadcasting Circles, with which you are undoubtedly funiliar. F'rinstance, during 1926 we have added nearly a hundred new stations which are now bombastically booming forth and jamming up the air and wave lengths which were once upon a time 93-44/100ths per cent pure.

Trying to Separate 'Em



Condensed BY DIELECTRIC

While the sending of messages to remote parts of the world may carry little of interest to many in the Radio audience, there must be those to whom these personal messages from civilized communities to desolate centers carry a romantic tinge and something of pathos. Broadcasting from the studio of Station KDKA to various individuals in the frozen North was a feature of just such import upon a recent occasion. We who listened heard fathers addressed by members of their family in the comfortable surroundings of city life, while they were engaged in endcavors calculated to increase the scientific knowledge of mankind. Prefaced by remarks from the station's announcer to the effect that this represented the first attempt ever to reach so far north with broadcast messages, it left one with a vivid mental picture of the surroundings of the distant relatives of friends eager to receive these greetings. It was out of the ordinary. ordinary.

It was humanly impossible to absorb all of the rich offering the new broadcasting company had in store for us on their inaugural night. Possibly the intent of those in charge of the program was to disclose to what extent cooperative effort could succeed in supplying the majority of American listeners with the very best talent obtainable. Possibly without a dissenting voice every tribute to Titta Ruffo would be sanctioned by the entire body of listeners. Here is a voice lending itself to the multitude of tone shadings necessary to a conveyance of human emotions, defilt managed by itself to the multitude of tone shadings necessary to a conveyance of human emotions, deftly managed by one of the greatest operatic singers of the generation. A voice capable of tremendous volume, when such is required, it could as easily register the veriest pianissimo without loss of that rich quality so notable in the singing of Enrico Caruso. Add to his work the playing of Harold Baur in Chopin's C sharp minor scherzo, the inimitable wit of Will Rogers and the New York Symphony orchestra, little was needed to make this an unforgettable program. The pity is that "Our Mary" could not have chosen numbers better suited and far more characteristic than she sang.

There remains, possibly will remain for some time, the habits of a strongly criticised procedure which turns many would be followers to stations without these practices. One of the most objectionable interludes in any program is that devoted to the reading of telegraphic messages, yet the practice continues unabated from some of the broadcasting stations marking their origin years back. WOS, Jefferson City, is an offender of the first water and seems to revel in the fact.

Another of those good organ recitals from Statior, WCCO, Minneapolis-St. Paul, came through very clearly to the enjoyment of all who heard. While the famous minuet in G of Beethoven sounds more familiar when played as a violin solo, the organist rendered it most acceptably. In fact, he was happy throughout the program.

Two other artists require mention for the excellence of their musical offerings: Moritz Rosenthal and Reinald Werrenrath; the latter of whom is the better known to the Radio public. In his offerings there was exemplified the heights to which artistic tendencies may carry one. Each number as he sang it was treated with due deference to its peculiar setting so that Danny Deever could not possibly have been placed in a setting identic with the aboriginal songs preceding. Mr. Rosenthal ranks among the topmost artists of his instrument and impresses equally with schonical supremacy and interpretative insight. He should come to us again.

COMPLETE RULES OF GAME OF "WHOZIT"

1. Radio Digest will sponsor a national game to be called the game of Whozit, which will be parteinated in by the following Radio broadcasting stations: WHIT. Chicago: WHACA. Rew York WINAC, Boston: KIR Chicago: WHACA. Remphist; WMR. Mashville: WOOD. Grand Rapids, Mich.; WSOE, Milwanker: WINAC, Mariner: WHACA. Remphist; WMN, Mashville: WOOD. Remport: WHIB. Kanasa City; WOW (formerly WOAW). Comhair ROA. Denve: KFWB, Los-Okla: WINAC, Jacksonville, Fla.: KVOO. Bristow. Okla: Window. Okla:

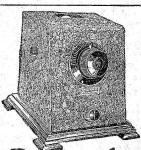
New Stations

stations licensed by the depart-New stations licensed by the department of commerce last month include: WBKN, Brooklyn, N. Y., 291.1m-1020kc; WJEZ, Chicago Heights, III, 419.3m-115kc; WSYR, Syracuse, N. Y., 352.7m-850kc; KVI, Tacoma, Wash, 242.5m-1227kc; WDWM, Newark, N. J., 280.2m-1070kc.

The following stations changed wave lengths: WCBR from 209,7m-1430kc to 234.2m-1280kc; WCWS, now WICC, from 209,7m-1430kc to 232.4m-1290kc; KFDY from 305,9m-930kc to 299.8m-1000kc; KFWM from 315.6m-950kc to 325.9m-920kc; WEDC from 422.3m-710kc to 249.9m-1200kc.

KFRC, San Francisco, Calif., has changed owners. Don Lee, Inc., takes the place of City of Paris Dry Goods Co.

This month brings two deletes, KFJC, Junction City, Kan., and WJBX, Oster-ville, Mass.



Penetrola penetrates interference

Now you can cut through interference and double your stations with Penetrola, the proved radio "booster." Will improve any type set. Easily attached in a few type set. Easily attached in a few minutes. Ask yourdealerorwrite direct to Walbert Manufacturing Company, 911 Wrightwood Avenue, Chicago—makersofrec-ord-holding Isofarad receiver.

Prices slightly bigher West of Rockies and in Canada

CROSLEY TELLS CURE

(Continued from page 2)

(Continued from page 2)
by a new Radio Commission created by
congress, the agency which controls and
directs broadcasting must have the power
to actually control it. Legislation must,
therefore, provide the necessary power to
unscramble the present condition which
borders on chaos, it must have the power
to eliminate from the present band of,
broadcasting hundreds of the existing
stations, prevent the further pirating of
wave lengths and assign stations not entitled to wave lengths in the present band
to waves in a new band to be created."

Direct will bublish a series of forty-cight composite portraits in each number. These brity-night portraits enter that the series of the serie

The Readers' View

Brickbat for Shenandoah

To me the most vital problem of this Survey of Radio Interference is the fact that the small stations of 1,000 watts and less can crowd up into the high wave lengths and interfere with the superpower stations

stations. For instance, in this part of the country, we have scarcely heard a concert from WJZ since KFNF and KMA, Shenandoah, Iowa, took a wave length only a few meters above WJZ. There could be

mentary portraits appear on the "Whozit" pages of Radio Digest are to describe themselves by way of broadcasts from their home station when their respectation of the state of

no comparison of the concerts from these two stations, as WJZ has the pick of the finest talent in the country. It would not two stations, as WJZ has the pick of the finest talent in the country. It would not be so bad if these small stations were on only a few hours of the day, but they are on continuously from early morning until late at night and it is most annoying to have to listen to old time fiddlers and farm talks when some very fine concert of real artists is being broadcast from New York.

New York.

On a recent Tuesday night when the WEAF chain stations were broadcasting their very fine concert, KSO, Clarinda, Iowa, interfered to such an extent with WCCO. Minneapolis, that the New York Symphony orchestra was playing a duet with the "Haymow Five" of Clarinda.—J. P., Sloux City, Iowa.

Shenandoah Again

If the "gentleman" from KFNF only knew what the majority of people thought of him and his bag of wind, he certainly would let up a little. Radio in another three months for Northern Iowa, will be utterly ruined unless some action is taken to put such unethical advertising out of business.

(Continued on page 28)

Windsor Wall or Table Type Cone Speaker Amazes Radio World



The latest model Windsor Cone Loudspeaker has astonished the world of radio. In convenience, quality of reception, and extremely low price, it far surpasses anything yet offered. The cone is 22 inches in diameter and is mounted on a sounding board which, in turn, is supported by an easel back. It can be hung up on the wall, as in the picture above, or stood upon any flat surface as shown in the picture below. It contains the famous Windsor loudspeaker unit noted for the extreme clarity and fidelity of reproduction. The latest model Windsor Cone Loud-



Model 302 (Shown below) With Moulded Composition Horn Loud speaker and 18-inch Cone Loudspeaker



In this Windsor Console is combined both the Windsor Moulded Composition
Horn Loudspeaker and the 18-inch Windsor Cone Loudspeaker. The top is 30 in. x 17 in. and stands 29 in. high. Plenty of battery and equipment space is provided by large shelf in rear. Price, finished in Mahogany or Walnut.

West of Rockies, \$550

Note to Dealers: Write or wire today for details of the highly profitable Windsor line.

Electrical Department

WINDSOR FURNITURE COMPANY

1418 Carroll Avenue - CHICAGO, ILLINOIS

Los Angeles Branch—917 Maple Avenue

Rear view at left shows large compartment with ample space for batteries, battery charger, or battery eliminator, which are entirely concealed from view. Back is open for ventilation of batteries.

At right is shown the Cone Loudspeaker, with its sounding board, which is quickly and easily removable, allowing instant access to all batteries, battery climinator or other equipment and wiring.



Model 200 \$29

Console with Cone Loudspeaker Ready for Set and Batteries (West of Rockies, \$35)

This Windsor Cone Loudspeaker Console is equipped with a 22-inch Windsor Cone Loudspeaker. Its top is 30 in. x 17 in. and is 29 in. high. The battery shell provides ample space for batteries, charger, battery eliminator and other equipment. Beautifully finished in either Mahogany or Walnut. This Is the Fastest Selling Line of \$1500 Loudspeakers and Loudspeaker Consoles in the Radio World Today

. (Pat. Applied For) Model 200 with 22-inch Cone Loudspeaker



The quality of radio reception made possible by Windsor Cone and Horn Loudspeakers and Loudspeaker Consoles so far surpasses anything heard heretofore that it amazes and delights every radio enthusiast. The Windsor Line is so complete that everyone can find in it a loudspeaker, loudspeaker table, or loudspeak-er console exactly to fit their particular needs.

Above is shown a beautiful Windsor Loudspeaker Console, finished in either Walnut or Mahogany, which provides ample space on top for any radio set. The battery shelf beneath will accommodate all necessary equipment. Equipped with either Moulded Composition Horn or 16-inch Cone Loudspeaker. Size: 38 in. x 18 in., and 29 in. high. Price (West of Rockies, \$42.50)

To the right is shown the newest Windsor Loudspeaker Console. It is equipped with a 22-inch Cone Loudspeaker and cabinet suitable for 7-in. radio panels up to 26 inches in length. Battery shelf provides ample space for all equipment. Beautifully finished in either Walnut or Mahogany. Price (without receiving set). (West of Rockies, 552.00)



CHRISTMAS CAROLS FILL ETHER A

HIGH LIGHTS OF THE AIR

I THERE is one time in all the year when the Radio fan feels vindicated for his interest in broadcasting, it is at Christmas time when the ether is so full of gay music that the dials fairly turn themselves. Carols which used to greet the ear on Christmas morning sung by strolling minstrels, now fill every home with a Radio set.

Radio set.

One of the elaborate performances to start the holiday season is the broadcasting of "Patience" by the Play Arts Guild of Baltimore over WBAL, Priday, December 17. Besides Patience, the dairymaid, Reginalds Bunthorne, Archibald Grosvenors, the poets, a chorus of rapturous maidens and officers of the Dragoons make this a colorful broadcast.

Tragoons make this a colorful bload-cast.

The "Messiah" will be given from coast to coast by various groups of choral singers. The College and Brookings chorus will give this well known composition, December 19 at the college station, KFDY. Sunday, December 26, KLDS also gives a performance.

formance.
Sunday afternoon, December 19, the
University of Iowa glee clubs will
sing "The Righteous Branch" from

University of towa gree clubs wing "The Righteous Branch" from WSUI.

Carollers chanting their songs under candle-lit windows—Scrooge, "the grasping, scraping, clutching old sinner" who did not have Christmas in his heart—Tiny Tim, piping "God bless us every one," will come to life before KOA's microphone Christmas eve in a radio dramatization of

Dickens' immortal "Christmas Carol." The Cleveland Symphony orchestra with two successful Radio concerts behind the organization will broad-cast again through WTAM December 16 beginning at eight o'clock Eastern time. Between announcements short time. Between announcements short sketches of the music and composers

time. Between announcements short sketches of the music and composers will be given.

The holiday season finds our old friend WOAW appearing on the ether waves with the new call WOW. When this station uses its new call it will also go on the air with a brand new broadcasting equipment with a minimum power of 1000 watts and a maximum of 2500 watts.

Young advertising writers and even veterans will appreciate the talks being given this month on advertising from WOR. December 16, 23, 30 and January 6 at 8:30 p. m. William C. Freeman will tell why the human element is the biggest thing in advertising today. Mr. Freeman knows his subject because he has probably sold more advertising man today.

The old year has faded away to radio and the new year has been heralded in by broadcasting stations for several years. In a coast to coast Happy New Year radio program, numbers of which will be dedicated to the various states of the Union, WEMC, The Radio Lighthouse, will broadcast especially for the Atlantic and Pacific coast states. WEMC also announces a sermon by Mr. Westworth, its staff pastor to be delivered during the first hour of the new year.

WCAU Philadlephia, Pa. (277.6m-1080ke) 7-30, p.m. Snellenburg recital; 8, popular program; 10, Cheer-WCX Detroit, Mich. (516.5m-580ke) 6-7 p. m. Dinner program, Goldkette ensemble; 8-9 studio program, WDBO Winter Park, Fla. (239.5m-1250ke) 9 p. m. Chanker of Commerce.

WEAR (18.5m-510ke) 6, p. m. dinner, or consideration of the Commerce of the Comm



Airplanes, automobiles, telephones help to Santa Claus, that honora the little folk. Just to show you was taken at the North Pole while Station KOA, at Denver, His assis a real Eskimo. Santa has been h many more during the few days Elsie Wolf, one of the most pop frequently before the microphone of right, has been singing the first

WEDNESDAY, DECEMBER 15

Headliners

Central Monatain 4:30
WGR (319m-940kc) Ganger's Buffalonians, 8
WGR (319m-940kc) Ganger's Buffalonians, 8
KDKA (309.1m-970kc) Lions Club program,
WBZ (333.1m-900kc) Mendelssohn trio,
WBA (355-6n-820kc) "Geims Irom Light Opera."
WSAI (325-9m-920kc) Erich Sorartin, violinist. 8
WSAI (325-9m-920kc) Erich Sorartin, violinist. 8
WSAI (325-9m-920kc) Erich Sorartin, violinist. 8
Sign (333.1m-900) Maria Colle, soprano (340-340) WBA (393.9m-750kc) Maria Colle, soprano (340-340) WBA (393.9m-750kc) Maria Colle, soprano (340-340) WBA (393.9m-750kc) WBA (393.9m-750kc) Sign (340-340) WBA (393.9m-750kc) Maria Colle, soprano (340-340) WBA (340-34 Headliners

W. M. (365/m-16200c) Neil House hour, Ferley WHO (526m-570kc) "Doe Mu", popular songster. WHO (526m-570kc) "Doe Mu", popular songster. WHS (346m-870kc) Or the British isles. WT (525m-1770kg) Br. W 7:05 head tall isles. WHO (526m-170kg) Lecture, Prof. Ferdinand Schevill. WRVA (256m-170kg) A Trip Through Scotland. Schevill. WRVA (256m-170kg) R v. V. 1. trio. 6:25 KD 3:30 KPAB (340,7m-380kc) Harmony Boys. WCCO (416.4m-720kc) Lecture Prof. Ferdinand WIS (344.6m-870kc) Lecture Heights Women's 9:45 WHZ (333.1m-90.848) WHO (345.6m-170kc) A String Quartet. WHO (355.6m-170kc) A String Quartet.

gram, 10 9 8m-100kc) Kelly and Abbitt, THIS (374.8m-800kc) Musical comedy gens. 1/Z (454.2m-660kc) New Brunswick string quar-

WIZ (49.2m.-600c) New Brunswick String quar-WLW (42.3m.-700c) Hereman trio, WMAQ (447.5m-670c) Mr. and Mrs. Dolnick, windin-plan rectals WLW (250m-117.5m) Ernest II. Cosby, organist. 8.39 WCCO (416.5m.-860kc) Glow Williamson, soprano. WCCO (416.5m.-201c) Crinoline trio. tralto. WSAI (325.9m-920kc) Chas. H. Partington, accordion soloist.

WSAI (125)::HI 2002 Constitution of the consti

WEDNESDAY, DECEMBER 22 Headliners

| Cestral | Mountain | Pacific WKVA (256.3m-1170ke) Ernest H. Cosny, organist.
8:30

WGHB (265.3m-1130ke) Old time songs.
WHAS (399.8m-750ke) The Cardinals.
8:40

WLS (344.6m-870ke) Richard Wons, "Richard HI." HI. 97

WLS (344.6m-8708c) Christma carols. 6

WLS (344.6m-8708c) Christma carols. 6

WLS (40.9m-6800c) Missouri in History."
915

(252m-11900c) H. J. Scalaurs, vocalist.

WELO (315.6m-98.120 Colle 1220 6:20

WS (444.9m-8810c) Old time tunes, Bill Caton and Ola Carbright.

9:30

(346.4m-98.120 College Carbright) Carbright.

WHAS (399.8m-7808c) Levin Captenon.

WHAS (399.8m-7808c) Henri Gendron and or-chestra.

chestra. WHO (526m-570kc) Kate Miller, whistler. WRVA (256,3m-1170kc) Highland Park M. E. quartet.

Eastern Central Mountain Pacific 9:45 p.m. Central Nountain 7:45 6:45 p.m. Central 7:45 p.m. Central VIII State 7:45 p.m. Central VI

WEDNESDAY, DECEMBER 29

Headliners
Eastern Central Mountain Pac
7:39 p. m. 6:30 ':30 4:
KSO (241.8m-1240kc) Finley and Hutchins. KSÖ (241.8m-1240kc) Finley and Hutchins. 4

KSÖ (241.8m-1240kc) Anniversary program, 5:30

WSUI (483.6m-1240kc) Darry D. Harton, violinist by the control of the control of

Educational Features

Eastern Central Mountain Pacific
KFAB (340.7m-880ic) Sociology lecture.

KFAB (340.5m-880ic) Sociology lecture.

5:30
WNYC (526.6m-570kc) Elementary Spanish lessons,

15 (1997)

Dr. Nason. 8
87 | 8 | 610 | 68 | 710 | 68 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710

Regular Wednesday Features

Eastern Time Stations
CFCA Toronto, Can. (356.9m-840kc) 7-8 p. m. Can.
ada Dry Ginger Ale orchestra; 10:45, dance ada Dry Ginger Ale orchestra; 102-9. unne orchestra. KDKA Pittsburgh, Pa. (399,1m-970kc) 6:15 p. m. KDKA String quartet; 8, concert; 9:25; R. V. E. trin. PWX Havana, Cuba (399,5m-750kc) 8:10 p. m. Band WAAM Newark, N. J. (283m-1140kc) 8, p. m. Monogram Melody, Makers; 8:30, Caldwell Garden entertainers; 9, Castleberg's Diamond concertiers; 9:30, program; 10, Bill McWalters; 11, Four Towers orchestra. Merchant Margie Make-believe; 7:45, studio program; Margie Make-believe; 7:45, studio program; 8:15, Sterling male quarter; 8:45, Sterling male quarter; 9:25, Good Humor Boys; 10:02, popular

quartett 9:25, Good numor hopps, sover-propriam, WBZ Springfield, Mass. (333,1m-900kc) 7:15 n. m. orthestra. 7:30, nature league; 8, musicale: 9, Barn-orthestra. 7:30, nature league; 8, musicale: 9, Barn-WCAE Pittsburgh, Pa. (461,3m-630kc) 6 p. m. orches-tra; 8, rectial; 8:30-930, WEAF; 9:30, orches-tra; 8, rectial; 8:30-930, WEAF; 9:30, orches-tra; 10, WEAF; 10:30, opera; 11:30, dance music.

WGHB Clearwater, Fla. (285.3m-1130kc) 8:30 p. m. program; 10:30-12, dance music. WGHP Detroit, Mich. (270.1m-110kc) 6 p. m. dinner concert. Hotel Mich. (270.1m-110kc) 6 p. m. dinner concert. Hotel Mich. (270.1m-110kc) 8:30-10;30 WEAF, WGY Scheetady, N. Y. (379.5m-290kc) 7:30 p. m. Eastiman theater; 8:30, musicale, WHAM; 10, WFHL program, Olic (272.8m-110kc) 7, p. m. ortheatman with Creenland, Olic (272.8m-110kc) 7, p. m. ortheatman concert; 9, quartet; 10, Whozit; 10:15, music, music, music.

Access of the State of the Stat

H. Worken Februs, 19 Johanna Grossen (1988).

WMAK Buffalo, N. Y. (288.5m-19040kc) 10 p. m. musicale members of the members of

WSAI Cincinnati, Ohio (325.9m-920kc) 8 p. m. Bos-worth artist series; 8:30-10:30, WEAF; 10.30, musi-

worth artist series; 8:30-30:30, WEAF; 10:30, musicale; 11, orthestra Max. (\$45,1m.580.60; 7 p. m. WTAG Worcester, merc; 7:30 programs; 8, Rauerott hotel orchestra; 8:30, WEAF; 9, programs; 10, WEAF; 10, WEAF; 10, WEAF; 10, WEAF; 11, we will be a seried of the control of the

Central Time Stations

Y Winniper, Can. (384.4m.-730kc) 9-10 p. m. Prof. Creweri
Creweri
Herot Lincoln, Nebr. (340.7m.+830kc) 5-30-6-30 p. m. Hotel Lincoln vechetra, 330-10-30, request program. Hotel Lincoln orchestra, 330-10-30, request program. KFNF Shenandoah, Iowa (481.3m.+850kc) 7 p. m. KFNF Shenandoah, Iowa (481.3m.+850kc) 9-11 p. m. Two piano concert, Percerin Brothers. KMA Shenandoah, Iowa (461.3m.+850kc) 9-11 p. m. Two piano concert, Percerin Brothers. (400.2 St. Louis, Mo. (230.3m.+1070kc) 6 p. m. din.-MON St. Louis, Mo. (230.3m.+1070kc) 6 p. m. din.-KTNC House, Month of the Concept of the

10:30 Edison classical concert; 10:30-12, Congress 10:30 Edison classical concert; 10:30-12, Congress 10:30 Edison classical concert; 10:30-12, Congress WBBM Chleago, III. (226m-1330ke) 8, Coom-Sanders; 9-12, artists, ornchestras; 12, Nutty clin, WCCO Minneapolis-St. Paul, Minn; (4(44m-720ke) 9-12, artists, ornchestras; 12, Nutty clin, WIAAF; 8:30, musicale; 19, WIAAF; 8:30, musicale; 19, WIAAF; 8:30, musicale; 10:30 Marigotid Ball Room orchestra; 11:30, organ recital. Eddie Directories, III. (401).Eddie Direct

WEMC Berrien Springs, Mich. (315.6m.950kc) 8:15
WEMC Steller, III. (285.5m.1130kc) 6-7 p. m. Rativalland trio; 8:10, All-American Pioneers; 13-2; frolic. WGN Chicago, III. (202.5m.980kc) 6:45-7 p. m. Request program, Drake concert ensemile: Blackstone string quintet; 8:30-8245, songs. Correll and 10.5 string quintet; 8:30-8245, songs. Correll and 10.5 string quintet; 8:30-8245, songs. Correll and 10.5 string quinter; 10:10, Musice Box; 10:20, songs. Tommy Coates; 10:30-12. The Pepper Party.
WHAD Milwaukee, Wis. (275.1m.1690kc) 6:10 p. m. Arthur Richter; 10:39, dance program; 11:30, organ receipt, Arthur Richter. (399.8m-750kc) 7:30-9 p. m. Arthur Richter.

WHAS Louisville, Ky. (1898.mr-750kc) 7:30-9 p. m. Artists.
WHB Karnas Clty. Mo. (385.6:280kc) -88 pf. m.
WHB Karnas Clty. Mo. (385.6:280kc) -88 pf. m.
WHO Eas Moines, Iowa (526m-570kc) 6-7 p. m.
Bankers Life Little symphony: Myrtle Williams, soloist; 7:10-8, Hotel Ft. Des Moines orchestra. 8:3:90, program; 9:30-11:30, dance music.
X-9.90, program; 9:30-11:30, dance music.
X-1745 (238m-1250kc), orchestra, Stuart Dat Carney; 7:45 (238m-1250kc), orchestra, Stuart Dat Carney; 7:45 (238m-1250kc), Ray Lawson, tenor; Daddies Kids; John Dowell; 10, variety program; 12, Al and Pat. WIBO Chicago, III. (225.4m-1330kc) 6-8 p. m. dinner concert; 16-12, dance music of the Chicago, III. (225.4m-1330kc) 6-9 p. m. dinner concert; 16-12, dance music of the Chicago, III. (225.4m-1330kc) 6-9 p. m. child artists; 11-12, Palmer House Victorians.

DA

10:15, k Whn; 16 Kgw, Koi Wjaz; 11: Kgw, Kh Wdaf, Wj W. 9:15, W. Who, W. Whap, Wgep, Wj. Wcco; 10:5
11, Kmoo Webh, Wg. Whn, Wja
12, Kiwr Wjaz, Wj.

Th 8, Wjr; Whn, Wjr; Wtag; 9-9:30, W 9:35, V Wbbm, Whn, V 10:30, I Wgbu, V Wdaf; Knx, Kp6

S MERRY YULETIDE SEASON OPENS



nd Radio broadcasting certainly are a big a gentleman with so many friends among ow he wo. is nowadays, the above picture is was broadcasting by direct wire through the control of the co

ral Time ral Time
londay
p; 9, Wjat,
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Wjaz; 11:45,
Knx; Kpo.

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riday 9, Wex, Webh, Wgbu, Wgep, 15, Wahg; 9:30, hn; 40, Kpo, Wgbu, Wgep, g, Wql.

turday

WLIB Cheape, Ill. (302.8m-890kc) 7,7:10 p. m. proper concert, Drake concert ensemble, Blackstone string, and the second string of the Million Sing; 7:22. Adventures of Oney Fred Sweet; 7:30, recital, Tommy Coats, barrione; Edward, Barry, planist; 8, WEAF; 12-1 a. m., riolic, WLS Chicago, Ill. (344.8m-870kc) 5:40 p. m., Al Medical Company, and the second string of the second string of

BOOM 7 and annovation of musicale; 9:30-12, dance might, the Program and the MAG Chicago, III, (444/5m-540c) 6 p. mr. Chicago High Chicago, High Chicago High Chi

WOOD Grand Rapies, Saten Assissant Modern (1910), program; 9, frolic; 10, Woods, Whozit; 10:10, program; 9, frolic; 10, Woods, Whozit; 10:10, Williams City, Mo. (278m-1080kc) 6:15 p. m. orchestrates City, Mo. (278m-1080kc) 7 p. m. North Shore line; 7:45, ten ministes of good reading; 9, Shore line; 7:45, ten ministes of good reading; 9, WOS 3-dfavroor 13, 186 (44) 5m-80kc, 120 p. m. address; 8:05, 1alk; 8:20, m. mislane, WOJ Chicago, Ill. (447.5m-470kc) 7-5 p. m. Rainbo Gardens orchestra; concert; 10:24 n. M. Rainbo frolic. WSB Atlanta, Ga. (428.5m-700kc) 10:45 p. m. Peerless entertainers. wSBC Chicago, Ill. (288.3m-1040kc) 6:30-8:30 p. m. dinner program; 9:30-1, New Jeffrey Tavern syn-

dinner program; 9:30-1, New Jeffrey Tavern syn-copators.
WSM Nashville, Tenn. (282.8m-1080kc) 6:45 p. m. Andrew Jackson hotel orchestra; 8. Vito and his WSKC Bay city, Mich. (269.7m-1150kc) 9:11 p. m. musicale.
WSOE Milwaukee, Wls. (245.7m-1150kc) 9:11 p. m. children's program; 7, popular program; 8. Whozit. WSWS Chicago, Ill. (275.8m-1090kc) 6 p. m. Dinner hour program; Terrace Garden orchestra; 8. Per-race Garden orchestra; 10, popular program; 12 mid-night, Wiching hour.

race Garden orchestra; 10, popular program; 12 midnight, Witching hour.

Muuntain Time Stations

KOA Denver, Colo. (3224-me300c) 8, p. m. Scheuerman's Colorado orchestra; 8:15, studio program.

Pacific Time Stations

KFI Lor Ampeles, Calif. (487m-460dc) p. m. Virgine bangeles, Calif. (487m-460dc) p. m. Virgine bangeles, Calif. (487m-460dc) Barris; 8:10

classical hour; 10-11, Sunset instrumental quartet.

KFWB Hollywood, Calif. (252m-1190kc) 6-7, p. m.

Pontiac dinner hour; 7:50, news; 9:10, Bill Hatch
and his orchestra; 10-11, Warner Brothers frolic.

KGO Oaldand, Calif. (361,2m-800kc) 6-6:55 p. m.

Stanislas Bem's Little symphony; 8, tarn program;

KGW Portland, Ore. (481,5m-610kc) 8-9 p. m. concert;

9:10, entertainment.

KHJ Los Angeles, Calif. (405,2m-740kc) 6-30-7:30

KJR Seattle, Wash. (384,4m-780kc) 10 p. m. dance
music.

THURSDAY, DECEMBER 16 Headliners

| Headliners | Routiners | Rou Carol." WBBR (416.4m-720kc) Stanley Gohlinghorst, bari-

Touriet. 970 ke) Barn dance, WBZ (333.1m-900kc) Twilight song trio. WCBD (344.6m-870kc) Mixed quartet, Celestial | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-10 | 19-1

WHN (361.2m-830kc) "Cookie, the Sunshine Song-WYA (255.3m-1170kc) Hopewell artists. 6:30 WFAA (475.5m-630kc) Secilarly recital, WHAD (275.1m-1090kc), "Sally and Her Gang," WOAI (398.5m-760kc) "Castly rend Her Gang," WOAI (398.5m-760kc) "Castly and Her Gang," WHAS (35.2m-740.8cc) No. Sally and Her Gang," WHAS (39.8m-590kc) Kosiar auditorium pro-trans (399.8m-750kc) Kosiar auditorium pro-trans Quartet, 30 Atlantic City High School Brass Quartet, 9 8 7.

10 9 8 7 KPRC (299.8m-1000kc) Southern Pacific lines KPRC (299.8m-1000kc) Southern Pacific lines hand.
KTHS (374.8m-800kc) Lawson Reid, organist.
WBAL (263.8m-1220kc) Cella Brace, violinist.
WBAL (203.1m-900kc) Vitali Podolsky, violinist.
WBAL (203.1m-900kc) Vitali Podolsky, violinist.
WGV (379.5m-90kc) John Lloyd recital,
WTC (479.5m-50kc) Hartford Pletral club.
KGO (361.2m-830kc) Little symphony.
WCC (483.6m-200kc) Kn. O. D. Doran, soprano.
WSAI (335.9m-220kc) Chatterbox Night club.
KGO (364.2m-830kc) Lona latone, popular little symphony.
WSAI (335.9m-220kc) Chatterbox Night club.
KGO (379.5m-200kc) Lona latone, popular little symphony.
WSAI (379.5m-200kc) Mark Ritz Theatre.
Z mid. 200.700kc Hartford Symphony.
WBAI (475.9m-630kc) Gran recital, John Josey.
La m. 12 kn. 12

THURSDAY, DECEMBER 23 Headliners

Eastern Central Mountain Pac 7:30 p. m. 6:30 5:30 4: WFAA (475.9m-630ke) Jimmy Joy's orchestra

FARMER'S PROGRAM INDEX

Farmer Dinner Concerts

Daily Except Sunday CENTRAL TIME KFNF, 12:30 p. m. KMA, 11:30-12:30 KSO, 12:30-1:30 p m.

Special Farm Features

Wednesday

Eastern Central Mountain 7.30
WFI (3394.5m.-760kc), Farm feature, Farm f WAKAO, M. 12-13
WAKAO (203.9m-1020kc), Radio Farm school, 10-15
WAKAO (203.9m-1020kc), Farm flash, poultry, WTAW (270.1m-110kc), Tarm topics, WAKAO (403.1m-2000), Agricatival aid, WFAA (475.9m-630kc), Sear-Roebuck, saricultural program, 10-15
WAKAO, WAKAO, M. 11-15
WAKAO (470.7m-850kc), Pec, 15, Vitality of Chickens; Cud of a Cow; Dec, 22, Winter Feeding; Dec, 29, Heavy Layers, Avian Tuberculosis, 2:40
WAKAO, WAKAO, M. 11-15
WAKAO, WAKAO,

7:10 6:10 5:10 4:10 WOC (483.6m-626:30 Poultry talk, 7:30 4:30 WLW (422.3m-710kc), Farm Bureau Federation

talk, 7:35 6:35 5:35 4:35 KSAC (340.7m-880kc), Dec. 15, Long Range

Thursday

 Eastern 10:39 a.m.
 Central 9:30
 Mountain 8:30
 Pacific 7:30

 WF1 (694.5m.-760kc), Farm feature. 12:30 p. m.
 11:30
 10:30
 9:30

 KVOO (374.8m.-800ke), olialoma
 A.
 & M.

course. 12 n. 11 10 WCCO (416.4m-720kc), Farm hour. 1:10 12:10 11:10 11:10 WMAQ (447.5m-670kc). Prairie Farmer farm talks. talkš. 1:13 10:13 WHO (\$26m-570kc), Radio Farm school, 1:15 12:15 10:15 KEDY (299.8m-1000kc), Dec. 16, "The 1927 Pig

Cron."
WEAO (293.9m-1020kc), Farm talk.
WTAW (270.1m-1110kc), Farm and Home Question box.

WTAW (276.1m-1110ke), Farm and Home Question box. 12:30 11:39 10:30 10:30 10:30 11:39 10:30 10:30 11:38 11:38 11:38 11:38 11:38 10:35 11:38 11:38 11:38 11:38 11:38 10:35 11:38 11:38 10:35 11:38 10:35 11:38 10:35 11:38 10:35 11:38 10:35 11:38 10:35 11:38 10:35 11:38 10:35 11:38 10:35 11:35 10:3

9:30 8:30 7:30 6:30 KOA (322.4m-930kc), Farm question box.

| Eastern | Central | Mountain | Pacific | 10:30 a.m. | 9:30 | 9:30 | 9:30 | 7:30 | 7:30 | 9:30 | 9:30 | 7:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:30 | 9:

Eastern Central Mountain Pacific 2 p. m. 1 12 11 11 WSB (428.3m-700kc), Georgia State college Will (48.3m./00kc), Georgia State Chiege (48.3m./00kc), 44.40 (48.3m./00kc), U. S. Farm school. 3:45 (48.3m./00kc), U. S. Farm school. 3:45 (48.3m./00kc), 41.20 (48.3m./00kc), 3:20 (48.3m./00kc), 5.3m./00kc), Farm course, Agricultural conomist. WTIC (475.5m.630kc), Farm course, Agricultural college. college. 7:45 6:45 5:45 4:45 KSO (405.2m-740ke), U. S. Farm school. RSÖ (405.2m.740kc), U. S. Farm school, S. KOIL (305.9m.980kc), U. S. Radio Farm school. WAMD (243.8m.1230kc), U. S. Farm school. WOS (440.9m.689kc), Radio Farm school. WOS (440.9m.689kc), Radio Farm school. S.30 WCOO (446.4m.721kc), Farm lecture, WCC (483.6m.620kc), Question box. S.35 7.35 WOOD (241.8m.1240kc), U. S. Farm school. S.35 WOOD (2 9 3 Kr. of 322 4m-930kc), Aggie Kirsen 5 6 KWSC (348.6m-860kc), Dec. 17, "The Maintenance of Soil Organic Matter"; Dec. 24, "The Winter Grain Ration"; Dec. 31, "Use of Pyrotol in Land Clearing."

Monday

| Nonday | Eastern | Central | Mountain | Pocific | 10830 a.m. | 9:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | 8:30 | talks, 1:13 12:13 11:13 10:13 WHO (526m-570kc), Radio farm school. 1:30 11:30 10:30 KFDY (306m-978kc), Poultry course, KMA (461.3m-650kc), Farm talk, agricultural KFDY (306m-978kc), Poultry course,
KMA (461,3m-650kc), Farm talk, agricultural
WCCO (416.4m-720kc), Farm talk, feed choppers,
KEAO (293)m-1020kc). Timely economic information for the larmers.
10:38
KSAC (340,7m-850kc), Dec. 20, Early lambs,
colts; Dec. 27, Baby feed, selection of calves,
volts; Dec. 27, Baby feed, S 8 7 6 5 KOIL (305.9m-980kc), U. S. Radio Farm school, WAMD (243.8m-1230kc), U. S. Radio Farm school. WOS (440.9m-680kc), U. S. Radio Farm school. WRVA (256m-1170kc), Farmers' chat, Dibble. | WRVA (256m-1170kc), Farmers' chat, Dibble. Cline. 8:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 | 5:20 |

Tuesday

Tuesday

Eastern Central Mountain Pacific

8:50 a.m. 8: 1:13 12:13 11:13 10:13 WHO (526m-570kc), Radio Farm school 1:15 12:15 11:15 10:15 WEAO (293.9m-1020kc), Farm flash, crops and wils. WTAW (270.1m-1110kc), Important agricultural 1:30 12:30 11:30 10:30 KMA (461.3m-650ke), Agricultural aid. 1:38 10:35 KSAC (340,7m-80kc), Det. 13. Planning for 1927; Line now: Dec. 28, Corn talks. 1:240 11:40 KFJF (260,7m-1150kc), State farm talks. 1:45 12:45 11:45 10:45 WOI (270m-1110kc), "Animal Husbandry." WCCO (416.4m-720kc), Glass cloth.
WSB (428.3m-700kc), Georgia State College farm course. 6:20 5:20 4:20 WDBO (239,9m-1250kc), Farm talk. 6:40 5:40 4:40 3:40 WGHP (270m-1110kc), U. S. Farm school. 6:45 3:45 WGY (379.5m-790kc), Agricultural program. 7:10 6:10 5:10 WEAO (293.9m-1020kc), Plant diseases. 7:30 6:30 5:30 4:30 KSO (405.2m-740ke), U. S. Farm school. 8 KOIL (305.9m-980kc), U. S. Radio Farm school, KYW (535.4m-560kc), American Farm Bureau KYW (535.4m-560kc), American Farm Surea Federation, WAMD (243.8m-1230kc), U. S. Farm selool, 9:30 8:30 7:30 66:30 KOA (322.4m-930kc), Farm question box, 10:10 9:10 8:10 7:10 WOAW (526m-570kc), Poultry, pig troubles.

Eastern	Central	Mountain	o Pacific
8:00 p. m. WBBR (416.4m H. H. Riemer	7:00	6:00	5:00
WBBR (416.4m	1-702kc)	"Our Chris	tmas Tree."
H. H. Riemer			
WEAO (293.9m-	1020kc) (hristmas ca	rols. Univer-
sity chimes.		Jarriotimas to	roic, carrer
WTAM (389.4m	-770kg) (Beveland St	vrondomy.
8:20	7:20	6:20	5:20
WRVA (256.3m	-1170ke)	Tubize band	a San Page
WHAS (399.8m WHAS (399.8m	750kc) K	entucky Car	dinals
WHAS (399.8m	-750km)	Revpolds-Ke	nt Kentucky
Hotel Cardina	ls.		- 11 may 10
WTIC (475,9m-	630ke) C	anitol Thea	tre presenta-
tion		ATRICAN SERVICE	1970, 100 0
8:45 WBBR (416.4m	7:45	6:45	5:45
WBBR (416.4m)	720kc) P	andura quar	tet.
. 9	8	7	6
WCBD (344,6m	-870kc) (Christmas p	rogram.
WHO (526m-570	lice) Rosel	Crusaders.	
9:30	8:30	7:30	6:30
WFAA (475.9m-	630kc) C	horal club r	ecital.
WGY (379,5m-7	90kc) Ch	ristmas Par	ty.
WOAL (394.5m-	760kc) "7	dessiah."	
9-45	8-45	7-45	6:45
WHAS (399.8m-	750kc) K	osair audito	rium concert.
10	9	. 8	7
KTHS (374,8m-	800kc) Sy	bil Seaman,	organist.
WTIC (475,9m-4	530kc) Ar	cadia Ladies	quartet.
10:30	9:30	8:30	7:30
WGY (379.5m-7	90kc) Ch:	ristmas mus	ic.
11	10	9	8
WLW (422.3m-)	10kc) Fr	igidaire ligh	t opera com-
pany.		The second of	
11:15	10:15	9:15	8:15
KTHS (374.8m-	800kc) Co	mo Al Reyn	olds.
12:40	11:40	10:40	9:40
WLW (422,3m-	(IUKC) TI	ie rep bo	ys.

THURSDAY, DECEMBER 30 Headliners

Educational Features Thursday

7 p. m. 6 5 4
KVOO (374.8m-800kc) U. of Tulsa.
WDAF (365.6m-820kc) School of the Air.
\$115 (655.6m-820kc) School of the Air.
\$115 (655.6m-820kc) Literary Appreciation series. 7:30 6:30 5:30 (293.9m-1020kc) Parents and Teachers Co-Operation.
W1P (503.2m-590ke) Course in chamber music, Dr. R. T. Fleck.
WOI. (370.1m-1110kc) Iowa state radio courses.

Regular Thursday Features

Eastern Time Stations

CFCA Toronto, Cam. (355.9m-848kc) 8:15 p. m. musical program, Luisi Romanelli and his orchestra. RDKA Pitsburgh, Pa. (369.1m-970kc) 6:15 p. m. (DKA Little symplomy orchestra; 8, program; 11. dance. PWX Havana, Cuba (399.8m-756kc) 8:30 p. m. Cuban WAAM Newark, N. J. (263m-1148kc) 7:15 p. m. nusicale; 10, DeVita's orchestra; 11, Frank Dailey's Meudowirrocks, Wd. (246n-1229kc) 6:30-7:30 p. WoAL Baltimore, Md. (246n-1229kc) 6:30-7:30 p. Jouer orchestna; 7:30-8, organ recital; 8-9, musi program, instrumental and vocal selections; cascamble; 10-11, staff concert; 11-12, da

New York, N. Y. (416.4m-720kc) 8 p. m. headiner, WZZ Springfield, Mass. (333.1m-950kc). 6:15 p. m. organ; 6:30 exhestra; 8, musiczie; 9, WJZ; 10, WJZ; 10; 0:00, orchestra; 8, musiczie; 9, WJZ; 10, WJZ; 10; 0:00, orchestra; 8, wisszczie; 9, 10; 0:00, orchestra; 10; 0:00, orchestra; 16:1, wisszczie; 9:11, WEAF; 11, wisszczie; 9:11, WEAF; 11, wisszczie; 9:11, WEAF; 11, wisszczie; 9:11, wisszczie; 9:11,

dance musie.

WCAU Philadelphin, Pa. (277.5m-1680kc) 7:30 p. m.

Snellenburg recital; 8. Saddler's Serenaders; 8:30,
Getz Go-Getters; 9:30, Musical Chefs; 10, troib.

Getz Darodians dance orchetra; 11, Club Cadix

10:30, Paredians' dance orchetra; 11, Club Cadix revue.

WCXCYATH, Children Cadix Company Comp

WGHP Detroit, Mich. (276.1m-11)68c) 6 p. m. dinner concert. Itolel Tuller: 10-11, WGHP Frolickers and the concert. Itolel Tuller: 10-11, WGHP Frolickers WGP Betalers with the control of the control of

WL.WL New York, N. Y. (288.3m-1040kc) 9 p. m. Question box; 9:30, trio. WMAK Buffalo, N. Y. (265.5m-1130kc) 6:15 p. m. Hotel Lafayette trio; 7:30, Syracuse university; 9, musicale; 11:30, WGY.

musicale; 11:30, WGY,
MMCA New York, N. Y. (340.7m-880kc) 7 p. m.
orchestra; 7:30, Grel-Meister's, Hungarian orchestra; 9, Solow soloists; 11, Ernie Golden and his
Hotel McAlpin orchestra; 12, Broadway nite.

Hotel McAlpin orchestra; 12. Broadway nute. WNYC New York, N. Y. (\$26m.s796b. 6:40 p. m. piano selections: 7:20, piano selections. WOO Philadelphia, Pa. (508.2m.596bc) 11 a. m. WOO Philadelphia, Pa. (508.2m.596bc) 11 a. m. 44:54, organ recital; 7:20, Hotel Sylvania darrecorchestra. WOOD Grand Rusids, Mich. (241.8m.1240bc) 8 p. m. 100 Grand Rusids, Mich. (241.8m.1240bc) 8 p. m. 10. Woods. Whozit.

WOULD CHARM KERRIES, DRIEGE, [24], COMPLETE, DE MONTO, COMPONDO DE MONTO, DE

WRC Washington, D. C. (468.5m-640kc) 7 p. m. din-ner music; 8, WJZ; 8:30, bridge; 9, WJZ; 10-11,

Swanee syncopators.

WRVA Richmond, Va. (256.3m-1170kc) 8:20 p. m. evening program; 11, Carry me back to Old Virginny.

WSAI Cincinnati, Ohio (325.9m-920kc) 6:40 p. m.
talk; 6:45, chimes; 7, musicale; 8-11, WEAF; 11,

tark; 6:49, chumes; 7, musicale; 8:11, WEAF; 11, music.
WTAG Worcester, Mass. (545.1m-550kc) 8 p. m. program; 8:30, Standardyne trio; 9, WEAF; 10, WEAF;

WTAM Cleveland, Ohio (388,4m-770kc) 6 p. m. Hol-lenden hotel orchestra; 7:30, studio program; 8, studio program; 10, studio program; 11, Guy Lom-bardo's Royal Canadians.

WTIC Hartford, Conn. (475.9m-630kc) 6 p. m. Hote Heublein trio; 7, midweek religious sing; 7:30, stat arists; 8, Outlet Owlets; 8:30, Capitol theate presentation.

WWJ Detroit, Mich. (352,7m-820kc) 6 p. m. dinne concert; 8, WEAF.

Central Time Stations

Winnipeg, Can. (384.4m-780kc) 8:30-9 p. m. lio program; 9-10, J. A. Banfield company's concert. KFNF Shenandoah, Iowa (461.3m-650kc) 7 p. m. head-LINE TO THE METERS AND A COLOR TO THE TOTAL THE T

ing program. KSO Clarinda, Iowa (405.2m-740kc) 7 p. m. band KSO Clarinda, Iowa (403.201-1908.) / Ark. (374.8m-8006c) 9-10:15 p. m. headilmers; 10:15, Specialties, KYOO Britstow, Olda, (374.8m-8006c) 7-7:50 p. m. Hawaiian music; 7:30-8, Irene Buchner; 8-9, music lovers hour; 12, American Legion froit, KYW Chicago, Ill. (833.4m-8606c) 6;30 pl. m. Joska "Wenty Minutes of Gor Readilmers" hour; 8, "Twenty Minutes of Gor Readilmers, Carlon (19) 10:30-12, Congress carnival.

"Twenty Minutes of Good Reading," Rev. C., Permin; 9-10:130, classical concert; 10:30-12, Congress carnival, WBAP Fort Worth, Tex (475.9m-630kc) 7:30-8:30 p. m. musicale; 9:30-11, Davis Baking Powder saxophone octet; 11-12, Frolic.

WBBM Chicago, III, (226m-1330kc) 8 p. m. Coon-Sanders Night Hawks; 9-11, orchestra, piano; 11. Coon-Sanders Night Hawks. WCBD Zion, III. (344.6m-870kc) 8 p. m. musicale. WCCO Minneapolis-St. Paul, Minn. (416.4m-720kc) 8 p. m. WEAF; 10:20, headliner.

WCCO Minnespolis-St. Paul, Minn. (416.4m-720kc) 8 μ. m. VEAF; 19:20, headdliner.

WCFL Chicago, Ill. (491.5m-610kc) 6 p. m. talks; 7.

WCFL Chicago, Ill. (491.5m-610kc) 6 p. m. talks; 7.

BYDAF Kansas City, Mo. (365.5m-820kc) 6-7 p. m. school of the air; 11:45-1, highthawk froir.

WEBH Chicago, Ill. (370.2m-610kc) 7-8 p. m. Up-WEBH Chicago, Ill. (370.2m-610kc) 7-8 p. m. Up-WENR Chicago, Ill. (370.2m-610kc) 7-9 p. m. gauland trio; 8-10, All-American Pioneers, Vin Lindhe.

WFAA Dallas, Texas (475.5m-680kc) 6-307-730 p. m. Baker hotel orchestra; 8:30-9:39, concert.

WGN Chicago, Ill. (302.5m-990kc) 6:35-7 p. m. refusion of the concept of the con

WHAS Louisville, Ky. (399.8m-750kc) 7:30-9 p. m. WHE Kansas City, Mo. (385.6m-820kc) 7-7:45 p. m. organ concert; 9-10, Ukulele soungsters. WHO Des. Moines, Iat. (282m-570kc) 7:30-8 p. m. Philbreck's younker tea-room orchestra; 8-9, Bankers Life trio; 11-12, dance program. WHT Chicago, III. (399.8m-750kc) 6 p. m. Al Carney, songs; 9-30, (399.8m-750kc) 10, Huly A. Huff, songs; 10, quartet; 12, Al and Fat. WHSO Chicago, III. (226.4m-1330kc) 6-8 p. m. dinner concert; 12-2, Aragon minstrels.

No More "B" Batteries on Your Radio

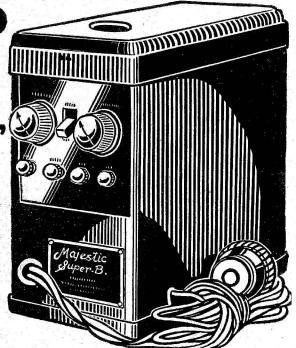
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minimal Case July Vincent Lopez and his orchest WEAG Cachebus, Ohio (293.9m-1020kc) 8:15 p. m. Heading Lopez and Lopez Bighting current. Simplifies radio receiving. More efficient heading lopes and his orchest lopes and The Majestic is connected to your radio just like "B" batteries and attached to an ordinary electric socket. (For 1 to 12 tube radios.) Replaces "B" batteries entirely and furnishes "B" current direct from

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will Debroit, Mich. (1818-M-880kc) 7 p. m. Jean Goldkette's Petite symphony orchestra; soloists; 7070. Nea and Meginality, entertainers; 9, studie Press Sycring news; 8, First National presents. Will Will will also broadcast; 10, Forgram; 10:30, Will also broadcast; 10, Forgram; 10:30, Will also broadcast; 10, Forgram; 10:30, Will will also broadcast; 10, Forgram; 10:30, Forgram; 10:30, bartione; 11, plano; 11:15, dance music. Will proper the will be wil

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WJAZ Chicago, III. (329.5m-910kc) 7 p. m. diversified program; § Shoreland.
WJJD Moosbeart, III. (370.2m-810kc) 8-9 p. m. child artists; 11-1 a. m. Palmer House Victorians.
WLJB Chicago, III. (362.8m-930kc) 7-912.0c. for child artists; 11-1 a. m. Palmer House Victorians.
WLJB Chicago, III. (362.8m-930kc) 7-912.0c. for child artists; 11-1 a. m. Palmer House string quintet; 7:10, Old Fashioned Almanack and the Million Snig; 7:22, Adventures of Oney Fred Sweet; 7:30-8, songs, Correll and Gosden; Coonsanders orchestra; 11-12, Ruft Farley, organist; songs, Correll and Cosden; Bobby Meeker's Drake from the Company of th

frolic. WLS Chicago, III. (344.6m-870kc) 6:30 p. m. sports; 6:40-7:55, artists; 10:30, organist; 10:45-12, orches-

tras.
WMAQ Chicago, Ill. (447.5m-570kc) 6 p. m. Chicago theater organ; 6:30. Gus Edwards orchestra; 8, program; 9:50. atr line.
WMBB Chicago, Ill. (249.5m-1290kc) 7-8:30 p. m. Trjanon ensemble; 8:30-11, orchestra; Arthuf Trues-Mdc. Memphis, Tenn. (499,7m-600kc) 8 p. m. talk Mdc. Memphis commerce; 8:30, program. W. m. and Memphis commerce of the Memphis commerce of t

Mollie Howays, 6-7, West, 7-10, Washington, 1970, Work Chicago, III, (236m-1380kc), theater program; 9:30-12 (236m-1260kc), syncopators.
WORD Chicago, III, (2475.lm-1900kc), 7 p. m. Webster Hotel duo orchestra; 9 musicale.
WOW Omaha, Nebr. (526m-570kc), 6 p. m. Vagiston, 1970

Gardens orenestra, Successive St. Research, Research

copators.
WSOE Milwaukee, Wis. (245.5m-1220kc) 6 p. m. children's hour; 7, popular music; 9, bridge; 9:30,

WSOE Milwaukee, Wis, (248,5m-1220kc) b.p. m.
children's hour?, popular musics? b. bridge; 9:30.

WSWS Chicago, Ill. (278,5m-1090kc) 6.p. m. dinner
hour program; Terrace Garden ordesestra; 8. production, the Magic Crystal; 10, popular airs; 12.

Witching Pacific Time Stations

KFI Los Angeles, Calif. (487m-600kc) 7-3 p. m. program by students of U. S. C., 3-9, KFI drama hour;
9-10, varied hour; 10-11, Johnston and Farrell's
music box revued, Calif. (235m-1190kc) 6-7 p. m.
Prottac dinner, hour; 7:50, news; 9-10, program;
10-11, Warner Prothers frome.

10-11. Warner Brothers frolic.

KGO Oakland, Calif. (361.2m-830kc) 6-6:55 p. m.

Stanislas Bem's Little symphony; 8, program; 10, orchestra. Stanislas 'Bem's Little symptomy; o program, orthestraind, Ore, (613, 5m. 610k); 6.7 p. m. dianer correct 7.45-8, lecture; 8-10, vaudeville. KHJ Los Angeles, Calif. (405.2m. 740k); 6:30-7:30 p. m. children's hour; 8-10, leatures; 10-11, dance music. KMTR Hollywood, Calif. (370.2m. 510k); 8-9 p. m. program; 9-10, senti-classical hour; 10-11, dance KNX Hollywood, Calif. (33.5m. 930k); 7 p. m. organ; 8, feature; 9, courtesy program; 11, Hotel Ambassador.

Sador, KPO San Francisco, Calif. (428.3m-700kc) 6:30-7 g.m. States Restaurant orchestra: 7-7:30, Ruly program; 9-10, music; 10-11, music KPSN Pasadena, Calif. (315.6m-950kc) 8-9 p. m. musical program.

Thursday, silent night for: CFCA, KFAB, KFDM, KFH, KFOA, KFUO, KLX, KMA, KMOX, KOA, KOB, KSWC, PWX, WAHG, WAMD, WCOA, WEAO, WEBJ, WEMC, WGBF, WHAD, WJAX, WMAK, WOS, WSM, WSUI, WTAM.

FRIDAY, DECEMBER 17

| Headliners | Facility | Facilit

crs. 7 S S

WBZ (333.1m-900kc) Dervan trio.
WGR (319m-750kc) Solow soloists.
WHAD (275.1m-1090kc) Talk, Fred Leuning, "Our Neighbor, Canada."
WAXY (526m-570kc) Salvatore Cusenza, mando-

WNYC (526m-5/0kc) Salvature Cursussal, Minst. Linux, Chinat. C

WTIL (4/8-59m-50/kc) permara Levitow and Com-9-115 WBZ (333.1m-900kc) Ruth Borg Ekberg con-traito. 8-29 7-20 6-20 WOS (440.9m-600kc) Miss Clara Bardell program, 9-30 (8-30) 7-30 KFAII (340.7m-850kc) Out-of-town program, WEAT (360.7m-850kc) Norman V. Pearce, bach-

WEAF (349.7m-880kc) Norman V. Pearce, bachgor peof-score peof-scor chorus. WEAF (491.5m-610kc) Rolfe's Palais D'Or orches-fra. WOS (440.9m-680kc) Hugo Scott, harmonica and guitar.

FRIDAY, DECEMBER 24 Headliners

Eastern Central Mountain Pacific 5:30 p. m. 6:30 5:30 4:30 KQA (322.4m-930ke) Play, "Why the Chimes 7:38 6:30 5:30 WEAF (491.5m-610kc) Christmas story.



This little lady is the expert accordionist, Hazel Nyman, who vamps the audience of WCFL with her playing. She is quite as pretty as her playing sounds.

Eastern Central Mountain Pacifi 7:45 p. m. 6:45 S. 44 S. 445 WGY (375.9m-790kc) Christmas carols, 4.750 6:50 5:50 Sib0 WEAF (491.5m-610kc) Chimes, Grace church.

Eastern Central Mountain 5
KSO (24).8m-1240ko) Christmas program 5
KSO (24).8m-1240ko) Christmas Carols.
WBBR (146.4m-720kc) Christmas Carols.
WEAR (49).5m-610ko) Carol service, Grace church.
8:30 (475.9m-650kc) Texas Woman's College

WBAP (475.9m-630kc) Texas Woman's College concert.
WHO (526m-570kc) Raleigh Quintet.
WLS (344.6m-570kc) Christmas program.
WOS (440.9m-680kc) Chic Scoggin, songster.
8:45 97.745 6145 WG (375.9m-790kc) "Star of the East." 6
WCCO (416.4m-720kc) Mash-Finch band,
WHO (526m-570kc) Troubadours.
9:20 WOS (440.9m-680kc) Old melodics, Emmett Laugh-

Hin. 9:30 7:30 7:30 Fish of the content of the cont

KTHS (374.8m-800kc) Tide concert, Meyer Davis orchestra.

1915 8.15 7.15

104014 (252m-1190kc) Mr. and Mrs. L. L. Gerst, vocalists.
10430 4.252m-1190kc) Mr. and Mrs. L. L. Gerst, vocalists.
10430 4.752m-630kc) Euterpean Club Christmas program.
1041 (491.5m-630kc) Spelial Christmas program.
1041 (491.5m-10) 8.750 8.150

KTHS (374.8m-800kc) Sybil Seaman, organist.
11430 1.950 9.30 8.530

KOH. 402.24m-930kc) AT The Spirit Christmas 4.45

KTHS (374.8m-800kc) First Presbyterian church double quartet, Christmas carols.
12 mid. 3m-38301. (104.0 D fotor Applesauce." WEME (315.6m-950kc) Christmas carols.

Eastern Central Mountain Pacific 12 m.d. 11 10 9 WTIC (475.9m-630kc) Chimes, Annunciation from the Messiah. WHO [4739m-cooke) Chimes, Annunciators from the 30 (232 dec.) 1.130 (10:30 to 10:30 to 10:30 to 10:30 to 11:30 (22 dec.) 21:30 (11:30 KOA (322 4m-930kc) Choral celebration of the Holy Eucharist.

FRIDAY, DECEMBER 31

Headliners
Eastern Central Mountain Pacific
6. n. 5
WTIC (475.9m-630k) "Skinny and His Gang."
7:30
WTIC (475.9m-630k) Esther Nelson, organist.
8. 7

service,

"Wy (375-59m-790kc) Watch Night Service, First
WW (375-59m-790kc) Watch Night Service,
First
Wild (375-59m-790kc) New Year's eve frolic,
"Saily and Her Gang,"
WRVA (255-5m-1170kc) Happy New Year party,
1139 9:30 9:30
WEAF (491.5m-610kc) Greenwich Village Inn.

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Eastern Central Mountain Pacific 12 mid, 11 10 9 9 WEAF (491.5m-610kc) Grace church, New Year chimes. WEMC (315.6m-950kc) Sacred New Year program.

Educational Features

| Educational | Federal | Finday | Facility

Regular Friday Features

Eastern Time Stations

KDKA Pittsburch, Pa. (309.1m-970kc) 6:15 p. m. string ensemble; 8, concert; 9, Tealerty time, WAHG Richmond Hill, N. Y. (315.5m-950kc) 7:30 p. m. studio program; 8, Grebe muss hour; 9, artists recital; 10:02, popular program; m. recital; 10:02, popular program; m. recital; 10:02, popular program; 10, 100, popular program; 10, 100, popular program; 10, 100, popular program; 11, 200, popular; 10, 100, popular; 10, po tenor.

WCAE PHItsburgh, Pa. (461.3m.459kc) 6 p. m. dinner music; 8, Sunday school lesson; 8:30, Burt McMurrite's hour; 9:30-10:30, WCAF; 10:30, dance music. WCAU Philadelphia, Pa. (277.5m.1986kc) 7:30 p. m. 8:30. Cohen's Lewels; 8:45, Curlox Girls; 9, Melody Makers; 9:30, Murmuring Baritone; 10, recital; 10:30, Myers' Musical Architects, m. dinner concert, Goldkette ensemble; 8-9, studio proper concert, Goldkette ensemble; 8-9, studio proper gram. WDBO Winter Park, Fla. (239.9m-1250kc) 9 p. m.

WGHB Clearwater, Fla. (285.3m-1130kc) 8:30 p. m. pipe organ, program.
WGHP. Detroit, Mich. (270.1m-1110kc) 6-8 p. m. dinner concert. Hotel Tuller; 10-11, WGHP entertainers; 11-12, Melotymakers.
WGR Buffalo, N. Y. (319m-340kc) 7:15 p. m. eventually program; 9:330-1030, WEAF; 11-1, supper ning program; 9:30-10:30, WEAF; 11-1, supper music compared by Mark (1978,5m-790ke) 7 p. m. Hotel Wan Curler dinner music; 7:35, staff program; 8, musicale; 9, WGY players; 10, WJZ; 11, WJZ, WHK (Cleveland, Ohlo (272,6m-1100ke) 6 p. m. orchestrickers; 10, WJZ, 11, WJZ, WHK (Now York, N. Y. (361,2m-830kc) 7 p. m. Freulman Masterpiece metertainers; 10, Sachsenstein, 10, word with the meter meters of the compared by the measuring of the measuring of the measuring or cheatra. (232,4m-1200ke) 7 p. m. orchestra; 7:30, hour of music; 8:30, seete; 10, orchestra; 9:30, se WICC Bridgeport, Conn. (232.4m-1290kc) 7 p. m. orrchestra; 7-30, hour of music; 5:30, sexter; 10.

WIP Philadelphia, Pa. (508.2m-580kc) 6:05 p. m. Benjamin Franklin concert orchestra; 7. Uncled Wip's hedtime stories.

(336.5m-890kc) 7-7:30 p. m. Carling hedtime stories.

WIR Detroit, Mich. (516.5m-580kc) 7 p. m. sympanic program; 9:10, Casa de Baile.

WIR Detroit, Mich. (516.5m-580kc) 7 p. m. sympanic program; 9:10, Casa de Baile.

WIZ New York, N. Y. (336.5m-680kc) 7 p. m. sympanic program; 9:10, Bailwin piano hour. WGY, 11, Paul Sympanic programs of the programs of

tainers. WNYC New York, N. Y. (526m-570kc) 6 p. m. piano tätine New York, N. Y. (526m-570kc) 6 9. m. piano selections.

WOO Philadelphia, Pa. (506.2m-590kc) 11 a. m. organ recital; 12:02 p. m. Tea Room recentar; 4:45, organ recital; 12:03 p. m. Tea Room recentar; 4:45, organ recital; 7:30, Hotel Sylvania dance orchestra; 10, vauderville; 10:30, Hotel Shelburne dumer music; 8:30, Hotel Shelburne dimer music; 8:30, Hotel Shelburne dimer music; 8:30, Hotel Chelpea; evening concert; 9, studio programiden Pier dance orchestra; 10:30, dance music; 11, Garden Pier dance orchestra; 10:30, dance husic; 11, Garden Pier dance dance husic; 11, Garden Pier dance dance husic; 11, Garden Pier dance

WRVA Richmond, Va. (256.3m-1170kc) 7 p. m. evening WTOG Worcester, Mass. (545.1m-550bc) 8:30 p. m. program; 9:30 lleloc entertainers; 10, WEAF, MARCHARD 19:30 lleloc entertainers; 10, WEAF, 17.30, studio program; 9:30; WEAF, 10, WEAF, 10:30, studio program; 9:30; WEAF, 10, WEAF, 10:30, studio program; 11, Ramboo orcelestra. m. WTIC Hartford, Com. (475.9m-630kc) 6:30 entertainers; 10:05, Emil Heimberger's Hotel Bond orchestra. WWJ Detroit, Mich (352.7m-520kc) 6 p. m. dinner concert; 9, WEAF, 9:30, WEAF; 10, WEAF.

Central Time Stations
KFAB Lincoln, Nebr. (340.7m-880kc) 8:30-10:30 p. m. entertainment, KFDM Beaumont, Texas (315.6m-950kc) band, KMA Shenandoah, Iowa (461.3m-550kc) 9-11 p. m. Dreamers, KMOX St. Louis, Mo. (280.2m-1970kc) 6:30 p. m. dinner program; 3, program; 12-1, dance music, KOIL Council Bluffs, Jowa (305.8m-980kc) 7:30 p. m. Ambassadors; 8, artists; 8:30, Dresher Brothers, Inc.; 11, froile.

RSO Clarinda, Iowa (405.2m-740ke) 7 p. m. popular program. The program of the pro WCFL Chicago, III. (491.5m-610kc) 7 p. m. Brevoort concert trio; 8, hour; 10, Alamo orchestra.
WCOA Pensacola, Fla. (252m-1190kc) 6:30 p. m. mu-WEGA Pensacola, Fla. (252m-1190kc) 6:30 p.m. mu-WDAF Kansac City, Mo. (365.6m-280kc) 6-7 p. m. school of the air; 3-8;30, varied musicale; 8:30-9, WEAF; 9-9:30, WEAF; 11:45-1, Nighthawk frolic WEBH Chicago, III. (370.2m-810kc) 7 p. m. Edge-water Beach hotel orchestra; 9-10, Edgewater Beach hotel orchestra; 10-11, Edgewater Beach hotel orchestra; specialties.

Clarinda, Iowa (405.2m-740kc) 7 p. m. popular 1872
State Springs National Park, Ark. (374.8m-10kc) 9:10-10-45 p. m. features. 10 Bristow, Ohla. (374.8m-800kc) 7:7:30 p. m. alter Schoggen, tenner, 7:30-8:30, Marie Gardner, the Empty Skull, 12:1-2 flavor, 12:10-10-45 p. m. features. 10 Bristow, Ohla. (374.8m-800kc) 7:30-9 p. m. alter Schoggen, tenner, 7:30-8:30, Marie Gardner, 12:10-10-45 p. m. features. 10 Bristow, Ohla. (374.8m-100kc) 19:10-10-45 p. m. features. 10 Bristow, Ohla. (374.8m-100kc) 19:10-10-46 p. m. features. 10 Bristow, Ohla. (374.8m-100kc) 19:10-46 p. m. features.

concert.

WHB Kansas City, Mo. (385,6m=280cb; 7-8 p. m.
Sweeney orchestra; Songsters.

WHO Des Moines, Ia. (525m-570kc) 7-330-3 p.m.
WHT Chicago, III. (393,6m-750kc) 7-30-3 p.m.

WHT Chicago, III. (393,6m-750kc) 7-330-1-250kc).
Eleanor Gilmore; Helen Rault; 7-45 (335m-1250kc).
Sruart Dawson; 9-30 (339,8m-750kc), Kenneth Clark and his Hawaiians; 12. A 1 and Pat.

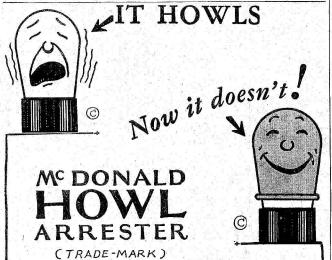
WIBO Chicago, Ill. (225.4m-1330kc) 6-8 p. m. evening musicale; 10-1, dance program, WJAZ Chicago, Ill. (329.5m-910kc) 7 p. m. popular program; 8, highlights; 9, Shoreland; 10:30, Club Chez Pierre.



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WJJD Mooseheart, Ill. (370.2m-810kc) 8-9 p. m. child artists; 11-1 a. m. Palmer House Victorians; Jack Nelson:
WLIB Chicago, III. (302.8m-990kc) 11-12 midnight, songs, Correll and Gosden; Ambrose Larsen organist; Bobby Meeker's Drake hotel dance orchestra romantic songs, Tommy Coates, baritone; 12-1 a. m. textle.

Chicago, Ill. (344.6m-870kc) 7 p. m. May and e; 7:15, duo, Old Town Coffee room; 7:30-12,

MMAQ Chicago, III. (447.5m.-676kc) 6 p. m. Chicago MMAQ Chicago, III. (447.5m.-676kc) 6 p. m. Chicago theater organ; 6:30, Wide Awake club; 8, musicale; WMBB Chicago, III. (249.-m.1200kc) 7-62:30 p. m. Trianon duo; Norman Harte, baritone; Veronica Krebs, contratto; John Stamford; 8:30-31, frolic-MMAD Marghes, Tenn. (485.7m.066c) 2 d. entertimers; III. jrojile; acts; 3:30, Coper: Cord entertimers; III. jrojile;

sippi Valley lacts; 8:30, Cooper Cord entertainers; II. frolic.
WOAI San Antenio, Tea. (394,5m-766kc) 8:30-9:30
WOC Davenport, Iowa (483,6m-620kc) 7:30-8:30 p. m. Moorman-Mclody Mixers; 8:30-9, WEAF; 9-9:30, WEAF; 9-3:30, WEAF

Shore line; 7:45. World News digest; 9. station proceam.

WOS Jefferson City, Mo. (440.9m-680kc) 7:15 p. m. Radio Bible class, talks; 8:20, musicale.

WOW Omaha, Nebru, (125m-570kc) f. m. Hugo Wow Omaha, Nebru, (125m-570kc) f. m. Hugo Holmann, planist; 6:50, orchestra; 9. classical.

WOJ Chicago, Ill. (447.5m-670kc) 7:8 p. m. Rainbo Giardens orchestra; 10:2 a. m. Rainbo froile.

WSB Atlanta, Ga. (428.3m-700kc) 8 p. m. concert; WSB Atlanta, Ga. (428.3m-700kc) 8 p. m. concert; WSB Chicago, Ill. (228.3m-160kc) 6;30:8:30 p. m. dinner program; 9:30-1, New Jeffrey Tavern synco-pators,

unider program; 5:30-1, New Jeffrey lavern synco-W3M. Nashville, Tenn. (282.8m-10806c) 6:45 p. m. Andrew Jackson hotel orchestra; 8, studio concert; 10, studio concert; 10:30, F. Arthur Henkel, organist. WSCE Milwaukee, Wis. (248.8m-1220kc) 7, p. m. pomblar program; 8, Library review, 3:15, Milozit. Milozit. (28.8m-1220kc) 7, p. m. pour program; Perrace Garden orchestra; 8, secital; 10, Mildred Colucio, huse singer; Terrace Garden orchestra; 12, Witching hour program; Terrace Gar-den orchestra.

Mountain Time Stations
KOA Denver, Colo. (322.4m-320kc) 8 p. m. KOA orchestra; 3:15, studio program,
KOB State College, N. M. (348.6m-860kc) orchestra. Pacific Time Stations

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KPO San Francisco, Calif. (428.3m-700kc) 6:30 p. m. State Restaurant orchestra: 8-9. Cabiria cafe

24.4.5.11 "I give you all

this apparatus so you can learn

quickly at home

the Practical

You Get

All of This

All instruments shown here and

Way

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orchestra; 9-10, Palace Hotel Rose Room dance or-chestra; 10-11, orchestra; 11-12, dance orchestra. KWSC Fullman, Wash. (348,6m-860kc) 7:30 p. m. concert, talks.

Friday, silent might for: CFCA, CKAC, KFNF, KGO, KLDS, KPRC, KFSN, KWWC, WBBR, WCAD, WCBB, WFI, WIF, WAZ, WKRC, WLIT, WLW. WREO, WSAI, WSMB, WSUI, WTAM,

SATURDAY, DECEMBER 18 Headliners

Lastern Central Mountain 6:25 p. m. 5:25 4:25 WTIC (475.9m-630kc) Cecelia Stenwall. (75.5) (7

6:30 5:30 4:30 (491.5m-610kc) Columbia University or-WGBS (315.6m-950kc) Melody Maids, WTIC (475.9m-630kc) Bible Study,

TO STREET TO STREET THE STREET TO STREET THE STREET THE

8 7 6 KOIL (305.9m-980kc) Nora Figum's Juvenile trio. WBAP (475.9m-630kc) Lawrence Smith, pianist.

Eastern Central Mountain Pacific WHAS (399.8m-750kc) Jefferson Children's pro-WHAS (399.km-750kc) Jetterson Univers 8 pro-18-30 WFAA (475.9m-630kc) Mrs. Max Spangler, soprano: Clarar Dargan, jusinist. WO (499.7m-6008) Memphs Prectrum, EPRC (299.8m-600kc) Fidule band of the air. KTES (375.8m-600kc) Fidule band of the air. KTES (375.8m-600kc) Fidule band of the air. WTIC (475.9m-630kc) Club Worthy orchestra. WTIC (475.9m-630kc) The Sunflower Girl 13-11448 9184 (198.8m-600kc) The Sunflower Girl 13-11448 18-148 18

SATURDAY, DECEMBER 25 Headliners

| Central | Mountain | Sign | Sign | Sign | Mountain | Sign | Sign | Sign | Sign | Sign | Mountain | Sign WHAS (399,8m-750ke) Henri Genaron s orcnestr. WLS (344,6m-870ke) Christmas program.

WHAS (399,8m-750ke) Dr. Chester Miller, 8:30
WFAA (475,9m-630ke) W. W. Macbeth, harmonic

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W 001	r Mr. Smith—Without obligating me in an ad me your free book, "Rich Rewards in Radio formation about your practical, home-stud

Eastern Central Mountain Paci 9-48 p.m. 8:48 WILM (399.8m-750kc) Kosair auditorium 11:15 U11:5 KTHS (374.8m-800ke) Salvatore Orinno, enpho ium.

KPRC (299.8m-1000kc) Texan Theatre pipe organ.

Educational Features

| Saturday | Central | Mountain | Pacific | 7.P. m | Central | Mountain | Pacific | WOW (\$26m-570kc) | Diletary | period. | 5:30 | WOW (\$36m-570kc) | Pacific | Pacifi

Regular Saturday Features

CKAC Montreal, Que, Can. (410.7m-730kc) 7:15 p. m. dimer concert; 10:30, Red Jackets, KDHA Pittsburgh, Pa. (309.1m-970kc) 6:15 p. m. chart & concert, 10:30, Red individual (11.5), Redio-phart & concert, Westinghouse band; 7:15, Redio-phart & concert, Westinghouse band; dilmer concert; 10:30, and 10.7m-730kc) 7:15 p. m. KDKA Pittsburgh, Pa. (306.1m-871ke) 6:15 p. m. dinner concert. Westinghouse band; 7:15 Radio metal property of the property

recital.

WIAX Jacksonville, Fla. (336.9m-890kc) 8-9 p. m. classical program; 9-10 Casa de Baile dance music. Goldenter, Mich. (316.9m-580kc) 7 p. m. Jean Goldenter Fettle symphony orchestra. soloists; 9, studies program; 11:20, Merry Old Chief and Instates

studio program; 11:30, aten; 00.

Wissers with the program of the

WLIT Philadelphia, Pa. (394.5m-760kc) 7;30 p. m.

semble: 8:15. Vanderbilt Hotel orcnestra; 10:25. orchestra.
WPC Atlantt City, N. J. (239.8m-1000kc) 7:15 p. m. orchestra.
WPC Atlantt City, N. J. (239.8m-1000kc) 7:15 p. m. orchestra.
WPC Atlantt City, N. J. (239.8m-1000kc) 7:15 p. m. orchestra.
Research City, Research City,

guniet; 7-75, news, 6, seaset, 9 Value, 20, p. m. Mission of the control of the c

Central Time Stations

CKY Winnipeg, Can. (384.4m-780kc) 9;30-10;30 p. m. Herbert Sadler, organist. KFAB Lincoln, Nebr. (340.7m-880kc) 8;30-10;30, variety Drogram. KERS 1 towns. Name of the control of

800kc) 9:10:10 p. Specialties, Specialties, Specialties, Stevialties, Stevialties, Okla. (374.8m-800kc) 6-7 p. m. S. S. lesson; 7-8. Gleeman; 8-9. orchestra; 12, Southern

iessoni, ro. desemble de la constanta de la co nival. WBAP Fort Worth, Tex. (475.9m-630kc) 8-8:30 p. m. manist: 9:30-11. orchestra.

WEAF Fort Worth, Tex. (#75.9m-630kc) 8-8:30 p. m. planists; 9:30-11, icrohes-glocke) 8 p. m. Coonsanders Night Hawks; 9. orchestra, artists; 11-12, where club; 12, Nutry club, Mim. (#15.4m-720kc) 6:15 p. m. Wesley Barbow Nicolita or chestra; 8, WEAF; 9, program; 10:05, dance more and wear of the constraints; 10:05, dance club; 12, Nutry club, 10:05, dance club; 10:05, dan

WENR Chicago, III. (268.3m-1130kc) 6-7 p. m. Rau-laud lyric tro; 8-10, All-American Pioneers; 12-2, WFAA Dallas Tex. (47.53m-530kc) 6-30-7;30 p. m. Baker hotel orchestra; 8:30-9:30, concert; 11-12,

All-American Pioneers, WFAA Dallas, Tex. (478.9m-630kc) 6:30-7:30 p. m. Baker hotel orchestra; 8:30-9:30, concert; 11:12, WFAA Dallas, Tex. (478.9m-630kc) 6:35-7 pm. m. Drake concert gensembie; Blackstone string duing the concert, gensembie; Blackstone string duing the gensembie; Blackstone gensembie; Bla

WMBB Chicago, III. (299,5m:1200kc) 7-8:30 p. in. Trianon ensemble; artists; 8:30-11, Trianon orchestria, ensemble, with the seminary of the se

club. WSBC Chicago, III. (288.3m-1040kc) 6:30-8:30 p. m. dinner program; 9:30-1, New Jeffrey Tavern syncodinner program; 9:30-1, New Jeffrey Tavern syncoMacCa Bay City, Mich. (280.7m-1150kc) 11-2 a. m.
studio program
WSM NashVille, Tenn. (282.8m-1050kc) 6:45 p. m. dinner concert; 8. barn dance.
WSOE Milwaukee, Wis. (245.8m-1220kc) 8 p. m.
Whozit, artists,
WSOE Milwaukee, Wis. (245.8m-1220kc) 8 p. m.
Whozit, artists,
WSWS Chiageo, III. (275.8m-1090kc) 6 p. m. dinner
Magic
Terrace, Garden processor as, sproduction,
Magic
Theory of the Company of the Company
Magic
Theory of t

Mountain Time Stations Denver, Colo. (322.4m-930kc) 10:30 p. m. merman's Colorado orchestra.

Pacific Time Stations

KFI Los Angeles, Calif. (467m-500c) 7:8 p. m. program arranged by Paul Roberts, tenor; 8:9, program, L. A. Soap company; 9:10, Angelus string KFI midnight free feetard Radio club; 11:2 a. m. KFWB Hollywood, Calif. (252m-1190c) 6:7 p. m. Pontac dinner hour; 8:9, program, Mona Motor Drottomapy; 9:10, Beadiner; 10:11, Warner Drottomapy; 9:10, Beadiner; 10:11, Warner Brottomapy; 9:10, Beadiner; 10:11, Warner Brottomapy; 9:10, Beadiner; 10:12, m. Statislas Ben's Little symphony; 9:1, Hotel Whitcomb Williams and Calif. (361,2m-300c) 6:30-7:30 p. m. chidrens hour; 8:10, varied program; 10:12, Mrn. Chidrens hour; 8:10, varied program; 10:12, m. chidrens hour; 8:10, bit studie program; 10:12, KNX Hollywood, Calif. (336,9m-890c) 7:30 p. m. features; 10:10, Hotel Ambassador; 11, Saturday night frolic.

Saturday, silent night for: CFCA, KEDM, KED KEUO, KLX, KOA, KOB, KSWC, KTAB, KUD KWWG, WBAL, WCAL, WCAU, WCBD, WCC WCKL, WEBJ, WEEL, WEMC, WGBF, WG WCKL, WGHP, WGR, WHA, WHAD, WHB, WH WHO, WAR, WLWL, WOAI, WOOD, WC WRVA WTAG, WILC, WWO,

SUNDAY, DECEMBER 19 Church Services

Eastern Central Mountain 7.0 km. WWJ (352,7m-850 kc) First Presbyterian church, 10:48 WGR (319m-750kc) Westminster Presbyterian church, church, 10:48 WGR (319m-750kc) Westminster Presbyterian church.

Church.

11
WHAS (399.8m-750kc) Broadway Christian church.

11:45 (399.8m-750kc) Broadway Christian church.

11:45 (91:45 81:4

11:50
WCCO (416.4m-720kc) Plymouth congregational wave conditions of the condition of the c



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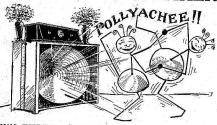


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Eastern Central Mountain Pacific 9:00 p. m. 8:00 7:00 6:00 WSB (428.3m-700kc) North Avc. Presbyterian church C. Presbyterian 9:30 8:30 7:30 6:30 KOA (322,4m-930kc) St. John's Episcopal cathedral.

SUNDAY, DECEMBER 19 Headliners

4:15 p. m. 3:15 2:15 1:15 WHAD (275.1m-1090kc) Turnverein Little sym phony. WSUI (483.6m-620kc) Cantata, "The Righteous Branch." 6 WEAF (491.5m-610ke) "The Rivals." WBBR (416.4m-720kc) Watchtower concert trio. 9 8 7 WBCD (344,6m-870kc) Hire Trio. 10:15 9:15 8:15 7:15 WEAF (491.5m-610kc) Bible story, "The Guest of the Shepherds."

the Sheplerds."
10:30 8:30 7:30
KPRC (299.8m-1000kc) El Tex Temple band, D. O. K. K.
WBAP (475.9m-630kc) Dick Lueke's Texas orchestya.
WGBS (315.6m-950kc) Ben Stad's Little symphony.
12 11 16 9

KPRC (299.8m-1000kc) Texan Theatre pipe organ concert. WFAA (475.9m-630kc) Faculty recital, Musical Art Institute. "Art Institute.
9:15
WEAF New York, N. (7:15
WEAF New York, N. (7:15
WGR, WEAC, WWI, WSAI, WGN, WCCO,
KSD, WJAR, WTAG, WCAE, WTAM, WOC,
WFI, Atwater Kent radio hour,
Min, Ernestine Schumann-Heinke, contraito
Miss Pierone Eardman, "Millist
Atwater Kent Orchestra
Atwater Kent Orchestra

Overture: Midsummer Night's Dream. Mendelssohn Atwater Kent Orchestra



SUNDAY, DECEMBER 26 Church Services

| Company | Comp Scientist, 9:30 8:30 7:30 6:30 KOA (322.4m-930kc) Christmas carols, St. John Episcopal cathedral,



SUNDAY, DECEMBER 26

Headliners

Central Mountain Pacific 6:30
(259.8m-1000kc) Texan Theatre pipe organ. (440.9m-680kc) The Messiah." 6 100 crwo.ym.couyke) "The Messish." 6
11.00 crwo.ym.couyke) "The Messish." 7.30
12.01 cryo.ym.couyke) Larks, 8:30
12.01 cryo.ym.couyke) Larks,

Regular Sunday Features
Eastern Time Stations
CFCA Toronto, Can. (356.9m-840kc) 11 a. m. services:

E.S. I.—Illustrated

7. n., St. Paul's Anglican church; 8:45, musical program.

CKAC Montreal, Que., Can. (410.7m-730kc) Capitol theater symplony.

CKAC Montreal, Que., Can. (410.7m-730kc) Capitol theater symplony.

KDKA Pittshurzh 10. (320.m-370.0) 6:30 p. m. (320.m-370.0) 6:30 p. m. (320.m-370.0) 6:30 p. m. (320.m-370.0) 7. (

WGR Buffalo, N.

ice; 7;45. Central Presbyterian church;

ice; 7;45. Central Presbyterian church;

WLA Fishenschady, N. Y. (379.5m.790kc) 3.p. m.,

musicale; 430, organ recital, Elmer A. Tidmarsh;

7:30, service; 9. W1Z; 10:15. WIZ.

WHK Cleveland, Ohio (272.6m.1100kc) 10.a. m.

Bible association; 5.p. m. twilight musicale; 6.

WHK Cleveland, Ohio (272.6m.1100kc) 10.a. m.

Bible association; 5.p. m. twilight musicale; 6.

WHK Cleveland, Ohio (272.6m.1100kc) 12.a. m.

Bible association; 5.p. m. twilight musicale; 6.

WHK Cleveland, Ohio (272.6m.1200kc) 12.a. m.

Bible association; 5.p. m. twilight musicale; 6.

WHK Cleveland, Ohio (272.6m.1200kc) 12.a. m.

Bible association; 5.p. m. twilight musicale; 6.

WHK Cleveland, Ohio (272.6m.1200kc) 12.a. m.

Libby's Hotel orchestra; 11. orchestra; 12. The Playground.

WHK Cleveland, Ohio (272.6m.1200kc) 10:50 a. m.

which is the state of the state

Libby's Hotel orenestra; m. documents playground Playground WICC Bridgeport, Conn. (285.5m-1650ke) 10:50 a. m. service; 2 p. m. Sunday alternoon concert. WIP Philadelphia, Pa. (308.2m-590kc) 9:30 p. m. concert.

WJAX Jacksanville, Fla. (336.8m-880kc) '11 a. m. service; 8-9. services.

WHAD Detection Mich. (316.9m-880kc) 10 a. m. First Mich. (316.9m-880kc) 10 a. m. First Baptist church.

WJZ New York, N. Y. (464.3m-660kc) 11 a. m. and J. m. Park Avenue Baptist Church Carillon; 7:20 de la constant of the Commodore concert orchestra, WBZ. WGY. WGY. KDKA.

WHAD Checkers, WGY. KDKA.

WKRC Checkershi, Ohio (325.8m-920kc) 6:45 p. m. Mark WGY. KDKA.

WLW Checkershi Checkers

service; 4 p. m. chapel; 7:20, WEAF; 9:15, WEAF; 10:15, WJZ.
WSAI Cincinnati, Ohio (325.9m-920kc) 11 a. m. Pres-byterian church; 3:45 p. m. chimes; 4-5:30, WEAF; 9:15-10:15, WEAF; St. 15-10:15, WEAF:
WTAG Worester, Mass. (545.1m-550kc) 7:20 p. m. WEAF: 915, WEAF:
WTAG Usevaland, Ohio (389.4m-770kc) 11 a. m. serves; 3 p. m. musicale; 6, Hollenden hotel orchestra; 12, WEAF: 10:15, Austin Wylie's Vocalion Recording orchestra.

wEAF; 10.13, Alcoholor orchestra; 10.13, Alcoholor orchestra; WWJ Detroit, Mich. (352.7m-820kc) 10 a. m. service; 3:30 p. m. Detroit News orchestra; 7:20, WEAF;

WWJ Derrott, Mich. (352.7m-820kc). 10 a. m. service; 3:00 p. ml., _Lertont News orchestra; 1:200, WEAF; 9:15, WEL_Lertont Time Stations CKY Winniper, Can. (334-4m-850kc) 11 a. m. Wesley church; 7-8:30 p. m. First English Lutheran church; 7-8:30 p. m. First English Lutheran church; 7-8:30 p. m. First English Lutheran church; 7-8:00 p. m. Services; 3:40 alexandre chem-850kc) 9-10:30 p. m. Station of the church; 7-8:30 p. m. Services; 2:30 p. m. Seed House song service; 3. headilner; 6:30, Golden Stute Circle; 7:30, services.



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KLDS Independence, Mo. (440.9m-680kc) 8:30 a. m. Bible study; 11, Stone church; 5 p. m. Radio church; 6:30, vespers; 9:15, studio service.

KMA Shenandcah, Iowa (461.3m-650kc) 4:5 p. m. sacred program,

sacred program, Mo. (280.2m-1070kc) 9 p. m. Sunday, might chub; 10:30-12, ballroom.

KOIL Council Bluffs, 10wa (305.5m-890kc) 11 a. m. First Congregational church: 7, children's hour; 7:30, Dean Nordin and his orchestra; 11, Ambassadors.

KFRC Houston, Toxas (299.8m-1000kc) 7:30 p. m. theater pipe organa, ovening connect; 11, Texas K50 Clarinda, Iowa (405.2m-740kc) 11 a. m. M. E. church,

KTHS Hot Springs National Park, Ark. G74.8m-800kc) 11 a. m. 12.15 p. m., service; 9-9:45, Meyer Davis ensemble: classic Bour concert; 9:45-10:30, Park ensemble: disast Bour concert; 9:45-10:30, eler Radio Train, Month of the Company of the Compan

Boys.

KYW Chicage, III. (535.4m-560kc) II a. m. Central church service; 4:30 p. m. Edwin Harper; 7:8:30 p. m. Edwin Harper; 7:8:30 p. m. Bedwin Harper; 7:8:30 p. m. Bedwin Harper; 7:8:30 p. m. Edwin Harper; 8:30 p. m. Edwin Harper; 8:30 p. m. Services (475.5m-650kc) II a. m. First Methodist; 5:6 p. m. vesper services. Baptist seminary; 9:30-II. Sorin-White Texas hotel orchesseminary; 9:30-II. Sorin-White Texas hotel orchesse

tra. WBBM Chicago, Ill. (226m-1330kc) 8 p. m. Coon-Sanders Night Hawks; 9-12, frolic; 12, Nufty club;

WBBM Chicago, III. (226m-3390kc) 8 p. m. Coonsanders Night Hawkes 9-12, briche; 12, Nutry club;
WCCO Minneapolis-5t. Paul, Minn. (416.4m-720kc)
10:50 a. m. services; 4:10 p. m. House of Hope
Presbyterian church 6:20, Second Church of Christ,
Scientist; 8:15, W5.21, 9:15, musical program;
Scientist; 8:15, W5.21, 9:15, musical program;
rectral, Hugo Philher Goodwin.
WCFL Chicago, III. (491.5m-610kc) 11 a. m. Grace
Methodist Episcopal church; 4 p. m. Lutheran
WCFL Chicago, III. (491.5m-610kc) 11 a. m. Grace
Methodist Episcopal church; 4 p. m. Lutheran
WDAF Kansa City, Mo. (368.5m-820kc) 3-4 p. m.
Sararis orchestra; 4-4:45, vespers.
WEBH Chicago, III. (491.702m-810kc) 10:35 a. m.
Saventh Church of Christ Scientist; 5-6 p. m. twiWEMC Berrien Springs, Mich. (315.6m-850kc) 11 a. m.
studio sacred services; 8:15 p. m. chapel,
WENR Chicago, III. (268.5m-1130kc) 2-3 p. m. chapel
hour of music; 3-4, classical program; 9:30-12, AllWFAA Dallas, Texas (475.9m-530kc) 6-7 p. m. Bible
WFAA Dallas, Texas (475.9m-530kc) 6-7 p. m. Bible

hour of music; 3-4, classical program; 9:30-14, and American Pioneers. WFAA Dallas, Texas (475.9m-630kc) 6-7 p. m. Bible class; 7:30-8:30, services; 8:30-9:30, artists; 11-12,

orchestra. WGBF Evansville, Ind. (236.1m-1270kc) 7:30 p. m.

services.

WGN Chicago, III. (302.8m-990kc) 6:45-7 p. m. Blackstone string quintet, solo artists: 7, The Million
Sing; 7:20, Old Fashioned Almanack; 7:30, Drake
concert ensemble; Correll and Gosden; 8, Auld
Sandy; 8:15, WEAR; 9:15, Our Music Room; 10,
Sam in Henry; 10:10, Armand Buisseret, violinist;
10:20, Bible reading; 10:30-11, Coon-Sanders or-

10:20. Bible reading; 10:30:11. Coon-Sanders or-chestra.
WHAD Milwaukee, Wis. (275.lm-1090kb) 31:5 p. m.
MIRDwein concern. (398.8m-750kc) 10 a. m. serv-ices; 4:30-5:30 p. m. choral evensong.
WHB Kansas City, Mo. (395.6m-250kc) 0:40 a. m.
Linwood Blvd. Christian church; 11:10-12:30, Inde-pendence. Blvd. Christian church; 11:10-12:30, Inde-pendence of the church of the church of the church WHO Des Moines, Iowa (326m-570kc) 1 a. m. serv-ice; 5:6 p. m. Bankers Life Little symphony; 7:30-9, orchestra; 11:12, musical program. WHT Chicago, Ill. (399.8m-750kc) 1-12 midnight, Paul Rader.

WLS Chicago, Ill. (344.6m-870ke) 10:45 a. m. University of Chicago service; 12:15, Elsie Mae Look, organist; 1:50-2:30, chapel service; 6-8, WLS Little

urganist; 1:50-2:30, chapel service; 6-8, WLS Littue Brown church, III. (249-31-209kc) 3-6 p. m. Sun-day afternoon concert; 7:40, church service; 9-11, WMC Memphis, Tenn. (495.7m-600kc) 11 a. m. church

WMC Memphis, Tenn. (698.7m-600kc) 11 a. m. church service.

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

WOC All Comments of the Comment of the Comments of the Comme

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

WSM Nashville, Tenn. (282.8m-1060kc) 10:30 a. m. service.

WSM Sashville, Tenn. (282.8m-1060kc) 10:30 a. m. service.

Mountain Time Stations

KOA Denver, Colo, (322.4m-830kc) 10:30 a. m. church service; 3 p. m. afternoon musicale; 6:30, organ; 7:45, church service.

Pacific Time Stations

KFI Los Angeles, Calif. (467m-642kc) 7-8 p. m. Jack Smith's dance orchestra; 8-9, Acolian organ recital; 262.4m organistic states of the content of th

MONDAY, DECEMBER 20 Headliners

Eastern Central Mountain Pacific 63:09 hm. Cleft-Dwellers orchestra. 4
WEAF (491.5m-610kc) Isadore Franzblau, planist. 7:30
WFAA (475.9m-630kc) Joe. S. Baldwin, banjoist; Jimmy Crow's orchestra.

tra. WBAP 475.9m-630kc) "The Song Shop," Allene Patterson Duff. WHO (526m-550kc) WHO quartet. WSUI (483.6m-620kc) Basketball, Notre Dame-

WSUI (483.6m-620kc) Basketball, Notre Damelowa, ... 8-110 7:10 WRVA (255.3m-1170kc) Melody Boys, 9:15 WCOA (252.m-1190kc) Pianologue, Gladys Villar, WOS (446)9m-620kc) Program from the Home for the Blind, 9:30 7:30 6:30 WIAD (275.m-1690kc) Old Masters hour, Richard Davis, WMC (469.7m-600kc) Britling Melody Malcers,

Davis.
WMC (499,7m-600kc) Britling Melody Makers, 9:45 8:45 7:45 6:45
WRVA (256,3m-1170kc) Richmond police string band.

\(\frac{\text{WKVA}}{100}\) \(\frac{4556.0001-2476.00}{100}\) \(\frac{1}{100}\) \(\f

NCOA (252m-1190kc) Old time födlers, Brewer Bros, 10:30
Bros, 10:3

12:15 a. m. 11:15 10:15 9:15 WSUI (483,6m-620kc) Organ recital, Elaine Bair.

MONDAY, DECEMBER 27 Headliners

Eastern Central Mountain 3:30
WGR (319m-750kc) Joe Armbruster orchestra. 7:30
WGAF (491.5m-610kc) Jane Ellen, contralto. 7:30
WCOA (252m-1190kc) Happy Hour club.

Eastern Contral Mountain S
WCOA (252m-1190kc) Army hand concert, 8:30
WBA2 (252m-120kc) Concert, Northern Texas
WBA2 (25.5m-130kc) Concert, Northern Texas
WBA2 (25.5m-130kc) Mappy trio, 6:45
WGA3 (25.5m-130kc) Mappy trio, 6:45
Sil5 (25.5m-130kc) Mappy trio, 6:45
Sil5 (25.5m-130kc) Mappy trio, 6:45
Sil5 (25.5m-140kc) Central Mountain

Educational Features Monday

Eastern Central Mountain Pacific
2:30 p.m. 1:30 12:30 11:30
WTAM (389.4m-770kc) Music appreciation.
5:15 4:15
WMAQ (447.5m-670kc) Radiophan's Guide to
Music. WGN (302.8m-990kc) "Correct English." 3
WGN (302.8m-990kc) "Correct English." 3:30
WNYC (526m-570kc) Elementary German lessons 7, H. Beclitz, SUCA (299.8m-1000kc) "Plays and Games for Christmas Parties."

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Regular Monday Features

Regular Monday Features

Eastern Time Stations

CFCA Toronto, Can. (385.8m-840ke) 7:15 p. m. organ
recital. Clifford McCormick.

KDKA Pittsburgh, Pa. (309.1m-870kc) 8 p. m. feature; 9; light opera.

WAAM Newark, Deedland Whippetts; Foat Towers
orchestra; 11, Frank Dniley and his Meadowhrooke.

WAHG Richmond Hill, N. Y. (315.6m-950kc) 7:30
p. m. Boy-Scouts program; 7:45. Walter Iooss,
novelty planist; 8, studio troogram; 9, Synchrophase
light Synchrophase and the state of the stat

processin.

WBAL Baltimore, Md. (246m-1220kc) 6;30-7;30 p. m. dinner orchestra; 7:30-8, organ recital, Frederick Weaver; 8-9, musical program; 9:10-10, ensemble; Drocen concert, Koberta Chardle, sopreme: Helsner Chard Chard (248), George Bolek, planist; 11-12, dawe exclusive contents; 15-12, dawe exclusive contents;

orchestra.

WBZ Springfield, Mass. (333.1m-900kc) 7:05 p. m. organ; 7:30, talk; 8, orchestra; 8:30, trio; 9, band;

orchestra.

WBZ Springfield, Mass. (333.1m-900kc) 7.05 p. m. organ; 7:35. talk; 8. orchestra; 8:30, trio; 9, land; organ; 7:35. talk; 8. orchestra; 8:30, trio; 9, land; orchestra; 7:45, talks; 8. dance music; 2012 million of the property of the property

talks:
WHK Cleveland, Ohio (272.8m-1100kc) 7-9 p. m. specialty night; 9-10, studio concert; 10-10-30. Whoolt; 10.50-11:30, Mediody Masters, 6:30 p. m. WHN Radio Movie club; 7:30, Joe Ward's Swanee Club orchestra; 18:30, Roseland dance orchestra; 10:30, orchestra; 11, Charm Club orchestra; 11:30, Cotton Club orchestra; 12. Silver Silper orchestra; 11:30, which is the concern of the control club orchestra; 13:30, studio program; 9, theater presentation.

7-15, Caspar Lingeman entertainers; 7-45, Good Will Oakland and Chief Pontiac; 9, studio program, WJZ New York, N. Y. (434.m.660kc) 7, p. m. Hotel Commodore concert orchestra; 7:55, John B. Kennety; 5, Markels dance prohestra; 8:30, Wulser, 10:30, Waldorf-Astoria grill cance orchestra; 10:30, Waldorf-Astoria orchestra; 10:30, Waldorf-Astori

Einsendie; 5:30, netwoy consent, 7.
10, music.
WMAK F:ffalo, N. Y. (265.5m-1130kc) 5:15 p. m.
dinner music; 7:30, dance program; 5:30, travelos,
WMCA New Consent St. 140, fraction of the consent of the

dance orchestra. WOR Newark, N. J. (405.2m-740kc) 6:15 p. m. Jacques Jacobs Hotel Shelton ensemble; 6:45, Bill Wathey in sports; 7, Jacques Jacobs Hotel Shelton ensemble; 9, musicale; 11, Jascha Guerwich's dance orchestra.

Wathey in sports; 7, Jacques Jacous More consenile; 9, musicale; 11, Jackan Gurewich's dance ensemble; 9, musicale; 11, Jackan Gurewich's dance with the control of the con

orchestra. WTIC Hartford, Conn. (475.9m-630kc) 6 p. m. Mother Goose; 6:30, Hotel Bond trio; 7, program; 11, Goose: 6:30, Hotel Doug Google Walter Dawley, organist.
WWJ Detroit, Mich. (352.7m-850kc) 6 p. m. Dinner concert; 8, musical program; 9, WEAF.

Central Time Stations
CKY Winnipeg, Can. (384.4m-780kc) 8:30-9 p. m.
Studio program; 9:10, Stewart Warner concert; 1011. Reliable battery hour; 11-12, Capitol theater CKY Winnipes, Can. (384.4m-790kc) 8:30-9 p. m. Studio program; 9-10, Stewart Warrer concert; 10-11-18. Reliable battery hour; 11-12. Capitol theater KFAB Lincoln, Nebr. (340.7m-880kc) 5:30-6:30 p. m. Hotel Lincoln orchestra; 8:30-10:30, musicale, KFNF Shenandosh, lowa (461.3m-850kc) 7 p. m. Hotel Lincoln orchestra; 8:30-10:30, musicale, m. KMA Shenandosh, lowa (461.3m-850kc) 9-11 p. m. Farnham trio.

KMOX St. Louis, Mo. (280.2m-1070kc) 6 p. m. Organ; 6:30, quartet; 7, quartet; 8, quartet; 9, soloists; 10:15, orchestra; 12-1, orchestra. KOIL Council Bluffs, flowa (365.3m-880kc) 7:03. p. m. KOIL Council Bluffs, flowa (365.3m-880kc) 7:03. p. m. Houstoniaus; 8:30, concert; 9, studio concert.

KPRC Houston, Texas (293.8m-1000kc) 7:00 p. m. Houstoniaus; 8:30, concert; 9, studio concert.

KSO Clarinda, Iowa (405.2m-740kc) 7 p. m. old-time music.

kiddler' story; 7:30, studio program; 9, theater Wife Filial Charles and the story; 7:30, studio program; 9, theater Wife Filial Charles and the studies of the story; 7:30, the studies are story; 7:30, the studies are stories; dancing lessons, solve, 7:30, the studies are stories; dancing lessons, solve, 7:30, the studies are stories; dancing lessons, solve, 7:30, the studies of the studies of

KVOO Bristow, Okia. (374.5m-900kc) 6-7 p. m. Wärner trio: 7-8, quartette; 8-9, Luckey's orchestra: 1. A. Barl Thurston, organist. (75.5e-530kc) 7:30-8:30 p.m. Classical concert; 9:30-11, old time music; 11:12, midnight musicale. (75.5m-200) p.m. Classical concert; 9:30-11, old time music; 11:12, midnight musicale. (75.5m-200) p.m. Classical concert; 9:30-11, old time music; 11:12, midnight musicale. (75.5m-200) p.m. Classical concerts (75.5m-700) p.m. Classical concerts (75.5m-700) p.m. Classical concerts (75.5m-700) p.m. Classical concerts (75.5m-700) p.m. Classical concerts; 12:30-70. (75.5m-700) p.m. Classical concerts; 12:30

organ recital, Artunr Kuchter 8,39, headliner; 9:15, old Lavorlie hour, string fivio 9:45, popular program, WHB Kansas City, Mo. (385.6m-820ke) 7 p. m. Sweeney Radio orchestra. WHO Des Moines, lova (520m-870k) 7,33-8 p. m. WHO Des Moines, lova (520m-870k) 7,33-8 p. m. WHO, Lance Gorgan, WHO, Charles (1992) 1,33-8 p. m. Al Melgard, organist; 6, supperbell program; 6:40, Maurie Sherman's College Inn orchestra, WMC Memphis, Tenn. (495.7m-600ke) 8:30 p. m. Britting Melody Malexes.

MCQ Kansas City, Mo. (278m-1080kc) 6 p. m. popular program; 9:30. band; 9:45. Wood Revelers: 10. Woods, Whozit; 19:10. piano recital; 10:20, specialty; 11. air mail hour; 12. woodpile. WOQ Kansas City, Mo. (278m-1080kc) 6:15 p. m. Unity Inn Orchestra.

Unity Inn orchestra.

WOS Jefferson City, Mo. (440-9m-680kc) 7:30 p. m. Missouri music appreciation contest; 8, program. WOW Omaha, Nebr. (588m-570kc) 6 p. m. Joe Bauer and his Highway Cardens orchestra; 6:50, classical; 9, Nash-Pinch orchestra.

WSB Atlanta, Ga. (428-3m-700kc) 8 p. m. Sears Reebuck program; 10:45, program.

WSKC Bay City, Mich. (260.7m-1150kc) 9:11 p. m. dance musics.

WSM Nashville, Tenn. (282.8m-1060kc) 6:45 p. m. Andrew Jackson hotel orchestra; 8, concert; 10, wsoE Milwaukee, Wis. (245.8m-1220kc) 7 p. m. program; 8, Whozit,

Mountain Time Stations
KOA Denver, Colo. (322.4m-930kc) 8 p. m. Scheuerman's Colorado orchestra; 8115, studio program.
KOB State College, N. M. (348.6m-860kc), 7:30 p. m.
State College orchestra.

State College orchestra.

Pacific Time Stations

KFI Los Angeles, Calif. (467m-640kc) 7-8 p. m. Owen
Falloris Californians; 8-9, popular program; 9-10,
10-11, program by Meiklejohn Brother, Co.; KFO:
10-11, program by Meiklejohn Brother, Co.; KFO:
10-11, program by Meiklejohn Brother, 19-10, program;
10-11, Warner Br. Trolic. (252m-1190kc) 6-7 p. m.
RGO Gakland, Calif. (361.2m-830kc) 6-6:55 p. m.
KGO Gakland, Calif. (361.2m-830kc) 6-6:55 p. m.
Scon, Lander Brother, 19-10, program;
9, "Charla fabra Little symplory; 8-9, Gondoliers;
9, "Charla fabra Little symplory; 8-9, Gondoliers;
9, "Charla fabra Meilosks," Joseph Henty Jackson,

9. "Chats about New Books, Justin 2008, Page 18, Soft Portland, Ora. (4915m-610kc) 7,45-8 p. m. KGW Portland, Ora. (4915m-610kc) 7,45-8 p. m. KUR Seattle, Walker 19,12, Games mail. m. dinner hour; 3-8:30, program; 8:30-10 program, KLX Oakland, Callt, (698,2m-590kc) 8-9 p. m. Studio program, Piggly Wiggly company; 9-10, Lake Merritt Ducks.

KLX Oakland, Eligh Wiegly company; 9-10, Lake Merpergram, Fight Wiegly company; 9-10, Lake Mergam, 10-12, Tallat de Delmens-soleto, 8-10, program, 10-12, Tallat de Delmens-soleto, 7-30 p. m. playlet; 8. program; 9, feature; 10. Alexandria hotel orchestra; 11, froile, 8-3, 30-7,000; 6-30-7 p. m. kPO San Francisco, Callf. (Eg. 3, 3, 7,000; 6-30-7 p. m. kPO San Francisco, Callf. (Eg. 3, 7,000; 6-30-7 p. m. kPO San Francisco, Callf. (Eg. 3, 7,000; 6-

Monday, silent night for: CFCA, CKAC, KFDM, KFDY, HJ, KLDS, KFSN, XYW, PWX, WBBM, WCBD, WCFL, WEBFH, WEBF, WENR, WFI, WGBF, WGSS, WGFS, WGN, WGY, WHAS, WHT, WIBO, WIP, WIJAZ, WJJD, WJJB, WJS, WMAQ, WMBB, WOAI, WGC, WGK, WGRD, WQJ, WSAI, WSWS,



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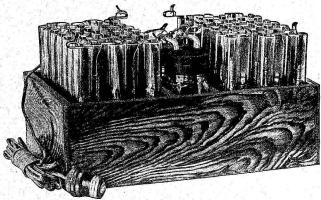
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to

TUESDAY, DECEMBER 21 Headliners

Eastern Central Mountain Pacific 5. m. 3. 4 3 WTC (475.9m-630kc) Heublein trio. 4 4 WEAF (491.5m-610kc) Evan Davies, impersonator. 7:10 (422.3m-710kc) Santa 5:10 4:10 (122.3m-710kc) Santa Claus, 7:30 4:30 WGY (379.5m-790kc) "The Earth and the Other Planets." Flancis."

WEAQ (293.5m-1020kc) On the Hills of Judah.

WEAQ (293.5m-1020kc) On the Hills of Judah.

WEAQ (475.5m-620kc) Marion Wakefield Romine,

Illerary Chat.

WEAV (375m-620kc) Christmas carols.

WEAV (375m-620kc) Christmas carols.

5:10

WEAV (375m-95/10) Percy Rate ye., poet.

8:15

7:15

WLS (344.6m-870kc) Prof. Davis Edwards.

6:30

7:73

6:30

7:73

6:30

7:53 (375.0m-670kc) FOR Bayes Edwards. 7 (475.9m-630kc) Wagoner Hawaiian trio, (315.6m-950kc) Brooklyn string quartet, 5 (399.8m-750kc) Carl Zoeller's Melodists, (422.3m-710kc) Uncle Jack's barnyard iam-

9 8 7 KLDS (440.9m-680kc) Mrs. Herhert Spokesfield, | Display | Disp

| Sestern | Central | Mountain | Pacific | 10 | WLW (422.3m-710ke) | Formica orchestra. | 10:30 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:100 | 8:10 12 10 9 WFAA (475,9m-630kc) Jimmy Joy's orchestra.

TUESDAY, DECEMBER 28 Headliners

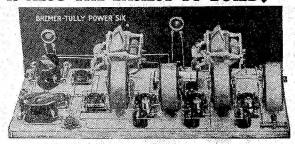
9 8 7 6 KLDS (440.9m-680kc) Marvel de Voll-Fell, violin-KOIL (309.5m-980kc) Jack Halpine, Jr. WTIC (475.9m-630kc) Travelers Symphonic en semble. 9:30 8:30 7:30 6:30 WMC (499.7m-600kc) Hotel Grayoso orchestra. 10:30 9:30 8:30 7:30 KPRC (299.8m-1000kc) Polar Wave Ice Palace 11 10 9 8 WOAW (526m-570kc) Pat Kroh's Omadala orches-





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BREMER-TULLY POWER-SIX

The following statement of Gerald M. Best, technical editor and superheterodyne authority means much to fans who know the B-T record—

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Washington, D. C., Oct. 29, 1926
I had previously thought it was impossible to improve on the Counterphase-Six and up to the time I changed to the Power-Six it was the best I had heard. Now that I have changed to the Power-Six the difference is really wonderful. It is unquestionably the finest set on the market today.

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Regular Tuesday Features Eastern Time Stations

©KAC Montreal, Que., Can. (410.7m-730kc) 7:15 p. m. dinner concert; 8:15, hop; 9:30, bridge; 10:30, dance program, KDKA Pittsburgh, Pa. (309.1m-970kc) 8 p. m sacred KDKA Pittsburgh, Pa. (309.1m-970kc) 8 p. m sacred song concert; 8:45, gems from American literature; 9, musicale; 11:35, Grand theater, PWK Havana, Cuba (399.8m-750kc) 8:30-11:30 p. m.

FWX riavana, Unit (399,600-1900), m. Whom Anewark, N. J. (2830-1140kc), 715 p. m. Gene and Jeff, Suappiness Twins; 9, Y. M. C. A. hour; 10, Richmond Ramblers; 11, Frank Dailey and his Meadowhrocks, WBAL Baltimore, Md. (246m-1220kc) 6:30-7:30 p. m. dinner orchestra; 7:30-8, quarter; 8-9, trio; 9-9:30, Michael Weiner, violinits; LeRoy, Evans, pinnist; 10-11, Municipal band of Baltimore; 11-12, dance orchestra.

orchestra. WBBR New York, N. Y. (416.4m-720kc) 8 p. m.

orchestra.

WBBR New York, N. Y. (416.4m-720fc) 8 p. m. organ 7:30. features; 10:30. evidents and the state of the state o

WEAO Columbus, Ohio (283-9m-1402000) 7/45 p. m. musicale.
WELI Boson, Mass. (348-6m-6800c) 7/30 p. m. interWELI Boson, Mass. (348-6m-6800c) 7/30 p. m. inter\$3.00, musicale; 2-91-33. WEAF;
\$3.00, WEAF;
\$3.00, WEAF;
WEAF;
Philadelphia, Pa. (394-5m-7600c) 6/45, Adelphia dance orchestra;
\$9.00 WEAF;
10. Moment Musicale; 10/30, orchestra.
WCBS New York, N. X. (315-6m-5800c) 7/20 p. m.
WCBS New York, N. X. (315-6m-5800c) 7/20 p. m.
WCBS Cleavater, Fla. (265-5m-17300c), 7/30 p. m.
diuner music; 8/30, Bakers; 10/30-12, dance program.

gram.
WGY Schenectady, N. Y. (379.5m-790kc) 6:30 p. m. dinner program. Ten Fyck hotel; 7:45, artist; 8, WJZ; 9, WJZ; 10:30-11:30, WMAK. WHK Cleveland, Ohio (272.5m-1100kc) 6-7:30 p. m. Hotel Stafter orchestra; 7:30-8. Harmonists; 9-10. orchestra, WICC Bridgeport, Conn. (232,4m-1290kc) 7 p. m. pro-

WJAX Jacksonville, Fla. (336.9m-899kc) 7-7;30 p. m. dinner music; 7:30-9, popular program; 10-11, Casa

dinner music; 7:30-9, popular program; 10-11, Casa de Baile.

WiR Detroit, Mich. (S16.9m-\$56kc) 7 p. m. Jean College Strategy of College Strategy

George Olsen's Pennsylvania Grill orchestra. WKRC Cincinnat), Ohio (422,3m-710ke), 6 p. m. book review; 3:15, dance music; 9, program; 12, popular WLW. Cincinnat), Ohio (422,3m-710ke), 7:30 p. m. music; 8, Castle Farm dance music; 8:30, Gay Nineties; 9, 4 Grimica orchestra. Physics of Gay Nineties; 9, 4 Grimica orchestra. Physics of Gay Nineties; 9, 4 Grimica orchestra. Physics orchestra. P

orchestra; 8-11. WRAF; II., Ausun wynes ve-calion Recording orchestra.
WTIC Hartford, Conn. (475.8m.-830kc) 6 p. m. Hotel Heublin trio; 7. eventing program; 10, orchestra.
WWJ Detroit, WHGb. (382.7m.-850kc) 6 p. m. dinner concert; 8. W.ZAF.

Central Time Stations
KFAB Lincoln, Nebr. (340.7m-880kc) 5:30-6:30 p. m.
musicale; 80-5:0:30 (university of Nebraska.
KFDM Beaumont, Texas (315.8m-850kc) orchestra.
KFNE Shenandoah, la. (461.3m-850kc) 7 p. m. pro-

KFNF Shenandoah, Ia. (481.3m-850kc) 7 p. m. pro-Framillomandoah, Ia. (481.3m-850kc) 9-11 p. m. May's Mandolin Musicians. KMOX St. Louis, Mo. (280.2m-1070kc) 6 p. m. dinner music; 7, program; 8, quartet; 9, soloist; 9-30, soloist; 10:15, ortosetra; 12-1, frolic. KOIL Council Bluffs, Iowa (305.5m-850kc) 7:30 p. m. Ambassadors, 8, program; II, dance music. KFRC Houston Tex. (299.5m-1000kc) 7:30 p. m.

concert; 9, bridge.

KTHS Hot Springs National Park, Ark. (374.8m-800kc) 9:10-10:45 p. m. musicale.

KVOO Bristow, Olda. (374.8m-800kc) 7-8 p. m. KVOO

Steinite

New 7-Tube

orchestra; 8.8:30, mixed quartet; 8:30-9, Dinah; 12, Rough and Ready. KIVW Chicago, M. Kiveller, M. American Farm Bureau iederation: 9-10:30, classical concern, Children, M. Kiveller, M.

lesyne. WCFL Chicago, Ill. (481.5m-610kc) 6 p. m. talks; 7, Brévoort trio; 8, Spinning Wheel hour; 10, Alamo orchestra; 11-12, entertainers. McDAF Kansas City, Mo. (385.6m-820kc) 5-7 p. m. school of the air; 11:45-1, Nighthawk irolic ascidence of the air; 11:45-1, Nighthawk irolic ascidence of the air of the air; 11:45-1, Nighthawk irolic ascidence of the air of the air; 11:45-1, Nighthawk irolic ascidence of the air of the air; 11:45-1, Nighthawk irolic ascidence of the air of t

hour; 9-17, Danisati and Call hits, Call hits, WFAA Dallas, Texas (475.9m-5:30kc) 6:30-7:30 p. m. musicale; 8:30-9:30, bridge game, selections; 11-12,

musicale; 8:30-9:30, bridge game, selections; 11:12, orchestra.

WGBF Evansville, Ind. (236.1m-1270kc) 8 p. m. musical program; 9, classic hour wGN Chicago, III, (602.8m-590kc) onthle; Blackstone string outinet; 8-9. WEAR; 9, Auction Bridge game; 9:30-10, WGN male quartet; 10, Sam 'n Henry; 10:10, The Music Box; 10:20, musical program; 10:40-11, songs, Correll and Gosden.

WHAD Milwaukee, Wis. (275.1m-1990kc) 6:10 p. m. dinner hour, orchestra selections; 8:30, theater re-

view. WHAS Louisville, Ky, (399.8m-750kc) 7:30-9 p. m.

WHB Kansas City, Mo. (385.6m-820kc) 7-7.945 p. m. WHB Kansas City, Mo. (365.6m-820kc) 7-7.945 p. m. organ concert; 8, program, 114th, Cavalry band 8:30-9. Faul Store, planist; MrI Cavalry band 8:30-9. Faul Store, planist; MrI Cheke, p. M. (326.6kc) MrI (385.6kc) Mr. (326.6kc), Mr. (326.6kc)

Al and Pat.

WJAZ Chicaso, Ill. (329.5m-910kc) 6:30-8 p. m.

Shoreland hotel; 8-8:39, highlights; 8:39-9. Realty program; 9-12, diversified program.

WJJD Mooseheart, Ill. (370.2m-810kc) 8-9 p. m. child artists; 11-1. Falmer House Victorians.

WLIB Chicago, III. (302.8m-990kc) 7-7:10 p. m. din-ner concert, Drake concert ensemble, Blackstone

string quintet; 7:10, Old Fashioned Almanack and the Million Sing; 7:22, Adventures of Ones Fred Stuffers of Great Fash, Stuffers of Great Fash, Stuffers of Great Fash, Stuffers of Great Fash, Great



Lasts Indefinitely - Pays for Itself Dependable, Quiet "B" power, clear without "hum." Economy you have never before thought possible. Convenience, Outstanding performance. Recharged for almost nothing. Solid rubber case insure against lenkage or acid. Extra heavy glass Jars. Heavy rus-

Lefux, Inc., and other Radio authorities.

Extra Offer: 4 Batteries in series (96 Volts) \$10.50.

SEND NO MONEY! Just state number of batteries day order is received. Pay expressman, after examining batteries.

day order is needwed. Any expressions gater extending discretified in the control of the control



FRED W. STEIN

What may you expect in naturalness, volume, and lack of diatortion. You have perhaps heard the latest type Phonographs that have employed some electrical and radio principles. You may expect the same truthful reproduction and fidelity of tone

BATTERY RADIO.
When I say "no batteries" of
any kind, I mean just that, and
no chemical rectifiers. Nothing
to charge, no rugs and furniture
to ruin with solutions. No wondering ever as to whether it will
reach out for distant stations,
Accountagy nothing needed to
complete the set but Tubes.

No-Battery Radio

The Set You Have Wished for a Thousand

Times. Think of the Joy of plugging into the light
socket and saying goodbye forever to Batteries and
most of your Radio troubles. Picture to yourself a
Radio as musical as a Grand pisno, and that costs If
an hour to operate. No wonder everyone who hears
it wants one at once, Many say "I can't believe
it." You will hardly believe it yourself till you hear
it. Think of the real pleasure of a radio that always
the property of the control of the property of the control
in the property of the control of the control
in the property of the control of the control
in the property of the control of the control
is now factory makes it possible. Volume, Volume
Volume is responsible
So description of the control of the country, And, with
out tremendous volume and
our low-profit-policy this set
should sail for \$300 or mere. Loud Speaker

Operates From A. C. Lighting Circ 100 to 125 V. No Chemical Rectifiers. 10-Day

FREE Trial

High Grade

Built In.

\$150 Complete With Tubes Nothing To Buy-Ready To Operate!

Also Made in Console Model 10-Day Free Trial

1¢ An Hour To Operate

monize with any home environment.

WRITE TOBAY for complete description of this marvelous new instrument explaining the new circuit. Do This Today, just send name—no cost—no obligation. You've always had mind a radio free from battery trouble—17'S-HERE. We allow you to write your own guarantee after a free ten day trill your home. This is the test to which you chould put any radio before buying. Write now while this ad is before you.

STEINITE LABORATORIES, 706 Radio Bidg., ATCHISON, KANSAS



VERYBODY, including experienced radio engineers, said—it cannot be done. But we did it—produced a high grade, long distance single dial control radio to operate a loud speaker to retail for—\$25.00 and yet allow liberal discount to agents.

This marvelous instrument is the result of five years' hard work by an organization of trained radio engineers. It is no experiment—thousands are in use—the results speak for themselves.

There Will Be a Radio in Every Home
Thousands have been waiting for just such a
radio—a real long distance, powerful instrument—
but at a price they can afford.
It is here, and live, wide-awake salesmen will
recognize their opportunity immediately—they
won't lose a single minute writing for full information.

which mitted.

Just as there are 100 Fords to one high-priced car, just so will there be 100 Vikings to every \$75.00 and \$100.00 radio-think what this means to men who get in on the ground floor right now.

A \$25 Radio Which Will Equal a \$75 Radio
Put a Model 599 Viking, which retails for \$25.00, alongside any radio retailing for \$75.00 and even more. Compare them for ease of tuning—only one dial to tune on the Viking—distance received, volume and tone. The results will make any man say, "TI save that \$50.00."
Radio is today the biggest and quickest selling line—thousands are being sold—salesmen have made unheard-of profits. But here is a far greater, a far more interesting radio proposition than anyone ever dreamed of.

Agents Wanted Make 1000aWeek

You Should Make \$100.00 a Week

Easily
You can't help it—many will make more. Some ill control a county—others will control many

countles. We have the liveliest radio selling plan of today—instruments of all prices—a radio price to fit every pocket book.

Any man who will follow our teaching cannot help but add big money to his present income and start to do it immediately. If you want more money here is your chance, but you'll have to act quick—others will jump at this chance.

Sell Radio in Your Spare Time—

Evenings

You don't even have to give up your present position. The only time radio can be sold is in the evening to the evening to the evening the past five years we have trained 4,364 men in this very profitable business:

You'll be the first one with a real low priced long distance radio—your price will startle every-body—the results will be even far more startling. Once you demonstrate you're sure of a sale. No one can think of investing \$7.500 to \$100.00 in a radio when this instrument will equal the results and your retail price is only \$25.00. Just think of the advantage you have. Sell a radio, for only \$25.00, and yet make a handsome commission.

Torritory Is Going Fast—Better Write Today
Someone is going to get the big profit on the sale of these instruments in your community—is that someone going to be you? Write today for our 100 page book which fully describes not only this wonderful instrument but also at Ill line of radio at all prices. It's FREE for the asking.

	-L	se	Γh	is	C	our)(on -	distant.
С.	Y. F	ischer, cago, Ill	122 W	7. A	ustin	Ave.			
I	am	interes	ted i	n 'se	lling	your	5	tube	set

in this	territory. lio book,	Ple	ase	senc	l me	your	10
Name					, ,,,,,,,,		
State							

WMC Memphis. Tenn. (489,7m-580kc) 8:50 p. m. Hotel Garoso orchestra; 11, midnistr tribe. WOAI ISan Antonio. Tex. (384,5m-760kc) 8:30-9:30 p. m. Garoso orchestra; 11, midnistr tribe. WOAI ISan Antonio. Tex. (384,5m-760kc) 8:30-9:30 p. m. Gebhardt Mexican players. WCC Davenport. Iowa (483,5m-520kc) 7-7:50 p. m. WEAF; 9-9:30. WOOD Carnel Rapids, Mich. (241,5m-1240kc) 8 p. m. Studio protractly, Mo. (278m-1080kc) 8-9:30 p. m. devotional music. (10, crohestra 1879, popular and old time music; 10, crohestra 1879, popular and old time music; 10, crohestra 1879, p. m. Rainbo Gardens orchestra; vocal selections; 10-2 a. m. WBB Atlanta, Ga. (428.3m-700kc) 8 p. m. headliner; 10:45, concert.

MOUNTAIN TIME Stations
KOA Denver, Colo. (322.4m-930kc) 9 p. m. bridge.
Pacific Time Stations
KFI Los Angeles, Calif. (467m-842kc) 7-8 p. m. Howard's Quality serenaders; 8-9, grand opera processing of the processing series of the symphony; 8-9, Pilgrims; On Supprise broadcast.
KKOO Oakland. Calif. (361,2m-830kc) 8 p. m. studio processing 13:30-10, program.
KNA Hollywood, Calif. (336,2m-830kc) 8 p. m. studio processing 13:30-10, program.
KNA Hollywood, Calif. (365,2m-80kc) 8 p. m. studio processing 13:30-10, program.
KNA Hollywood, Calif. (366,2m-830kc) 8 p. m. studio processing 13:30-10, program.
KNA Hollywood, Calif. (366,2m-830kc) 8 p. m. studio processing 13:30-10, program.
KNA Hollywood, Calif. (366,2m-830kc) 8 p. m. studio processing 13:30-10, program.
KNA Hollywood, Calif. (366,2m-830kc) 8 p. m. studio processing 13:30-10, program.
KNA Hollywood, Calif. (366,2m-830kc) 8 p. m. studio processing 13:30-10, program.

Tuesday, silent night for: CFCA, KFH, KFKX, KFUO, KLX, KOB, KSWC, KTAB, KWWG, WAHG, WAMD, WBBR, WCOA, WEMC, WGCP, WOS, WRVA, WSMB, WSUI, WTAM, WTIC.

Provides a noiseless range of grid leak resistance from 1/2 to 10 megohms. Assures most effective grid leak resistance value for all tubes. Small grid condenser (0.00025) is separate. Metal parts nickel plated. One hole mounting. Lien-Bradley Co. Electric Controlling Apparatus 290 Greenfield Avenue Milwaukee, Wis.

The Reader's View

(Continued from page 15)

(Continued from page 15)

Where would we be if WLS, WHO, WOW and many other stations that put out programs that the people enjoy, would start to advertise, as some of our other lowa stations do? There certainly should be a law enacted (and I am sure there will be unless these offenders let up), that will limit such procedure. Hardly an evening passes but we are forced to listen to KFNF, KMA or other stations that have no talent whatsoever, and are shut out from such programs as Walter Damrosch and the New York Symphony or chestra, the Atwater Kent hour, the Goodrich Silvertown Cord orchestra and others of note.

Some people may like to listen to some

Some people may like to listen to some of their help sing, play and fiddle, but they

64 Page Perpetual

shouldn't think that the people in general give a "hoop" for such stuff. When neutrodynes, G——, and super-heterodynes will not tune out KMA and KFNF in ten points on the dials, it is high time that those "gentlemen" should wake up.—C. S., Primghar, Iowa.

More Rocks for Henry and May

More Rocks for Henry and May
I am enclosing a clipping which I think
represents the frame of mind in which the
majority of lowa Radio fans look upon
the Shenandoah stations,
(The clipping, from the Eagle Grove
Times, is in the form of a satirical letter
to Henry Field, of KFNF, It is too
lengthy to be reprinted here, despite its
merit.—Editor's Nota.)

Their new wave length interferes with
WIZ. My worst case of trouble on the
changes in wave length is KOIL messing
up the programs from KDKA. I have a
very selective set, a S _ C _ , and
formerly had no trouble.—L. E. D., Brooklyn, Iowa.

B BATTERY

Y-BACK GUARANTER with "B" Batteries! E ttery Eliminator and for ever. This wonder(u) n

Send

Revisable Log

This is a Radio **Christmas** Make it Safe Belden Fused Radio Battery Cord

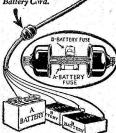
FOR a perfect Radio Christmas, protect the new tuber and bat-teries, and also avoid fire hazard from crossed wires by hooking up your set with a Belden Fused Radio Battery Cord.

with a

The tiny A and B-battery fuses' concealed in the little two-piece bakelite shell, can be easily inspected.

This handy cord also improve the appearance of the set and eliminates all loose wires.

Ask your dealer for a Belden Fused Battery Cord.



Christmas Gifts that please and endure

A Beldenamel Aerial or a Superadio Antenna kit makes an acceptable gift that gives service and joy to the one who gets it. The Belden Superadio Antenna Kit is very complete and provides everything required to make an ideal aerial and ground. Delight your friends with a Belden Superadio Antenna Kit.



Belden Manufacturing Co.



Thing

100 VOLTS with a \$15.50 145 VOLTS charger. \$21.50



INTERFERENCE Gets Distance Clearly.

Here you are, "Distance" fans! Install this new type fans! Install this new type tem," Get distant stations loud banishes Simile for all lear like local. SUBAN-banishes come through clean, ar noises, broadcast come through clean, and the power line leaks.

Lets the broadcast come through clean.

Juses Filtered Ground Waves. Fower. Inte leaks,
STATIC and all air noises are filtered out from
the results of the state of the results of the state of the results
for the state of the s sists of special composition wire differently in-ted and sheathed in a lead jacket and contain-a series of three "building up" colls. Nothing will do what SUBANTENNA does. Nothing

FREE TRIAL OFFER! Wewant to test SUBANTENNA ing but STATIC and crackles. Write at once for FREE TRIAL OFFER and scientific explanation of SUBANTENNA. Write NOW!

CLOVERLEAF MANUFACTURING CO., 2716-K So. Canal St. Chicago.





BUILDING REGENATROL | MIKE AND MOVIE STARS

(Continued from page 7)

(Continued from page 7)
For mounting the parts on panel and subpanel, you will need the following screws and nuts:
Thirty %-inch 6-32 flat or oval head brass machine screws.
Four ½-inch 6-32 flat or oval head brass machine screws.
Four %-inch 6-32 flat or oval head brass machine screws.

machine screws.

Twenty-five 6-32 hexagon brass nuts.
If you use nickel-plated screws a

Twenty-five 6-32 hexagon brass nuts. If you use nickel-plated screws and nuts it will improve the appearance of your receiver.
This article on the construction of the Bruno Regenatrol receiver will be concluded in the next issue with a complete pictorial wiring diagram showing the connections on the layout from terminal to terminal and complete instructions for mounting the parts and wiring. Information on the operation of the receiver will also be given.
Meanwhile, builders auxious to finish, can assemble the set, using figures 3 and 4 as guides.

4 as guides.

(Continued from page 5)
experiences with Radio. She was scheduled to appear before KNX and while visiting one of her best friends, Leatrice Joy, the latter suggested she convey a message to Lucille Rickson, a friend of the two then in ill health and who, as movie fans will remember, later died.

This she promised to do, but when the time came to say the words into the microphone the thought of attempting to convey her personal thoughts to a dear friend while the whole world listened in was too much and she burst into tears.

was too much and she burst into tears.

"Imagine standing up and trying to speak a piece for nobody," snorted Lew Cody, when mention of Radio was made to him. All the same he is quite a Radio hound, although he still insists getting used to the microphone is like the stage actor getting used to the camera or the American tourist in France eating snails—they do it but it never seems natural.

Lew Cody is the official master of cere-monies for the movie colony in Holly-

For Perfect Filament Control 3 AMPERITES are specified in the

BRUNO REGENATROL Receiver described in this issue

Radiall Company R.D.-7, 50 Franklin Street, New York City

The "SELF-ADJUSTING" Rheostat

ELECTRAD Parts are Mentioned

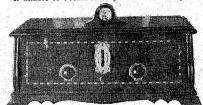
> Use **ELECTRAD** Certified Mica Condensers

GNOLE Chosen by Joseph Calcaterra for the Bruno Regenatrol Receiver

AS DESCRIBED IN THIS ISSUE

The most discriminating radio engineers and designers now regularly choose Lignous, the new specially treated wood that meets all panel requirements. Completely drilled and decorated panel can now be obtained for such prominent circuits as Victoreen, Madison-Moore, St. James, Bernard, Karas

Equamatic and others. If unable to obtain from your local dealer, write us direct.



FREE Write for interesting report on Lignole for Ra-dio Panels by Pro-fessor Guy M. Wilcox, Senior Professor of Physics, at Armour Institute of Tech-nology.

THE LIGNOLE CORPORATION 504 S. Dearborn St. CHICAGO, ILL.

wood. He is often on the KFI midnight frolics on Saturday nights and serves as liason officer for the more inexperienced members of the Metro-Goldwyn studios when they are confronted with microphone appearances.

"I had to play with lions in the Devil's Circus," explained Norma Shearer when asked about her reaction to the mike, "and (Continued on next page)

-as usual—

CARTER Rheostats—Switches

Jacks are specified in

Bruno - Regenatrol

and other leading circuits, because of preferred: Design and Quality

In Canada-Carter Radio Co., Limited, Toronto

Panter Radio (fo.



Success with Bruno Regenatrol demands

use of the specified Samson Transformers and Chokes

The pleasure you get from your set largely results from its tone quality. This depends principally on two currents in their own circuits, a job only Samson R.F. Chokes can perform because of their patented helical winding, and amplifying impartially all notes. Only the Actented Helical Winding of Challen and the Challen of the Challen

Price, Choke No. 85, \$1.50 Transformers, all ratios, \$5.00

Samson Electric Co. Main Office MEMBER Sales offices in Canton, Mass. RMA all large cities



Build This New

Regenatrol Receiver

As Described in This Issue by Joseph Calcaterra

Complete Kit of Parts \$6000
Ready to Wire With Instructions

All regenerative UNITUNE kits are licensed under the Armstrong patent No. 1,113,149 and are assembled by the Clapp-Eastham Com-pany exclusively for The Bruno Radio Corp.

Other Popular Kits Ready for Shipment. Every Kit Includes Full Instruction Sheets for Wiring.

New Improved Diamond of the Air Kit 5 Tubes

\$37.50 Complete Parts,

Radio World's Popular Bernard 6-Tube Kit Complete \$40.00 Parts.

AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM	
Silver-Marshall Shielded Six	\$95.00
Hammarlund-Roberts Hi-Q	63.05
New Samson Dual Receiver	71.35
L C 27 Receiver	87.25
Henry-Lyford Receiver	69.50
Daven Bass Note Receiver	65.00
Improved Browning Drake Receiver	65.90
Four Tube Diamond of the Air	30.00
New Karas Equamatic	88.70
Cockadays Power Pack	65.15
Also B Eliminator parts and Speake	rs in

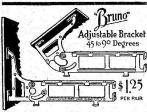
We carry a complete stock of standard mer-chandise.



BRUNO LIGHT SWITCH provides a isual indication when the batteries are

When mounted under the UNITUNE drum, it reflects sufficient light on the scale to make it visible in the dark.

TURN IT-IT LIGHTS! PUSH IT-IT'S OFF!



Die-cast Aluminum, will beautify and strengthen any set. Also in non-Adjustable, \$1.00 per pair.

All parts specified in the Bruno Regenatrol and other listed kits, can be purchased separately

SEND IN FOR BOOKLET

B. C. L.

RADIO SERVICE CO. INCORPORATED

221-D Fulton St., N. Y. C.

I admit I was frightened. But I think

(Continued from page 29)
I admit I was frightened. But I think
the first two minutes before that little
disk at KEF flustrated me a great deal
more. There's something about it I can't
explain—it just gets you—that's all."

Betty Bronson, the Peter Pan girl, is a
real star of the alr as well as the screen.
She talk's easily, clearly and the friendilness of her character gets over to the
Radio audience in no uncertain way.
Naturally she likes to broadcast.
When it comes to comedy before the
microphone, KFWB and the Warners
again have it. Monte Bine. Syd Chaplin
and the latter's director, chuck Reisner,
almost have a monopoly although another
director, Bill Beaudine, runs a close race.
The usual prescription for a laugh riot
over the air is to bill Chuck Reisner and
Syd Chaplin with Charlie Wellman,
KFWB's announcer, as foil. Years of experience as gag man and timing laughs in
such successful comedies as Charlle's
Aunt; Nightle, Nightle Nurse and the
Better 'Ole, make the Chaplin-Reisner
combination unbeatable.
Monte Blue's comedy is none the less
sture fire although a little more subtle

Monte Blue's comedy is none the less are fire although a little more subtle

sure fire although a little more subtle and dry.

In the filming of Warner's new big special, "So This Is Paris," which was directed by Ernest Lublisch, two whole days of action were microphoned without the director's knowledge, who would have bit the celling with many pours! If it had been suggested his work be restricted by remembering there was an open microphone on the set.

The scene was a big one, a cafe in Paris, One of the incidents of the story comes when the wife, listening to dance music by remote control from the cafe,

CLASSIFIED ADVERTISEMENTS

DOGS

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

PATENT ATTORNEYS

PATENT ATTORNEYS

PATENTS, Booklet free Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, 724 Ninth St., N. W., Washington, D. C.

RADIO

NEW RADIO WITHOUT BATTERIES.
Why waste several hundred dollars when you can get all the radio you want on a Lambert costing only \$2.95 postpaid. Big stations 600 miles away come in loud, Needs no tubes or batteries. 250,000 homes already have them. Order direct from this adv. Crystal Radio Company, Wichita, Kan.

"SOCK-ANTENNA" ABRIAL WIZARD inductive aerial works from light socket, solves aerial problem, separation of stations, reduces static and interference to minimum, increases volume, adds clarity, equals outside aerial. Sold, satisfaction from the control of the c

Headphones and Loud speakers repaired. Sam T. Sherrill, Smithville, Texas.

FOR SALE—Six-tube Het-Duo-Gen receiver without cabinet for \$25. Parts alone cost over \$75. Henry Martin, 3136 Christiana Ave., Chicago.

Prove your reception by the most practical and convenient method: Proof of Reception Cards. Contains spaces for complete reception record, dial settings and signature of amouncer. Handy size, 3x5 inches. Send 25 cents for sample package. Radio, 2017 Hollywood Ave.

SALESMEN WANTED

Make \$100 Weekly in spare time. Sell what the public wants—long distance radio receiving sets. Two sales weekly pays \$100 profit. No big investment, no canvassing. Sharpe of Colorado made \$935 in one month. Representatives wanted at once. This plan is sweeping the country—write today before your county is gone. Ocarka, Inc., 491 N. LaSalle Av., C, Chicago.

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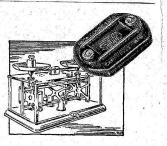


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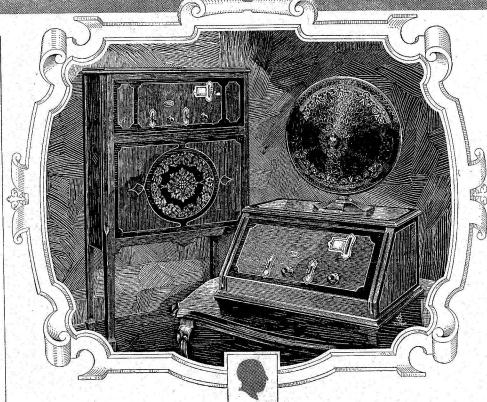


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