

PROGRAMS NEWS

RADIO

HOOK-UPS COMMENT

More Stations Will Be Heard Under New Plan

This is Opinion of Radio Commission Engineer Who
Says Remote Listener Will be Particularly Benefited.—Big Improvement Foreseen

BY CAPT GUY HILL
(Engineer in Charge of Broadcasting,
Federal Radio Commission)

The average listener will be interested in knowing just what improvement he may expect from the coming broadcasting reallocations.

The gain to the general public—and especially for the remote listener and farmer—will be that many more stations can be received clearly, without any heterodyne whistles or cross-talk.

The increase in the number of stations received may of course vary, due to time of year and location of listener, but the listener will be delighted in discovering the number of stations he can receive without interference being present.

Those listeners who like to try to pick up distant stations will find that there will be a large number of such stations that can be received without any interference, as there will be 40 such stations on different frequencies and with no other stations on these frequencies to cause trouble.

Another important improvement will be that the listener as he tunes in to different stations will not get the same program repeated as often as at present, since the new allocation will require that stations on cleared channels must not give the same program as any two stations that are less than 300 miles apart.

The Federal Radio Commission was instructed by law to make the radio broadcasting facilities equal for each of the five zones into which the country is divided.

Defects Outlined
The law has been both an aid and a hindrance in working out satisfactory allocation. On the whole, I consider the good points of the law far outweigh the poor features. The great aid given by the law is the requirement of equality; this forms a definite basis on which to build an allocation and without such requirement, it would have been very

difficult to have made any satisfactory allocation.

The principal defect of the law is that the zones into which the country is divided are not based on any principles of radio engineering and that in making a reallocation to comply with the law, an unsatisfactory arrangement proved a rather bothersome obstacle.

The new allocation complies with the spirit and the letter of the law, as the zones are given equal treatment and within the zones, the States are assigned stations in accordance with their population, as far as practical, some variation in this respect being allowed by the law to meet existing conditions.

The new allocation positively will give the country a greatly improved broadcasting system. If all broadcasting stations will co-operate to the fullest extent with each other and with the Radio Commission, the success of the new allocation as regards the benefits to the broadcasting stations will be so great that they will be amply repaid for their co-operation.

Favored Listeners
In making the new allocation, the commission decided that they should work to produce the greatest good to the greatest number of listeners. This will, of course, also produce the greatest good to the broadcasting stations considered as a unit; some individual stations have to suffer a loss for the common good.

No one can make a worthwhile or intelligent criticism of the new allocation without giving careful consideration to the entire allocation and the principles of the allocation and conditions of high power with which must be understood. The effect of the new allocation, whether favorable or unfavorable, on some specific broadcasting station, locality or individual listener, should not outweigh, to any far-reaching degree, the loss effect produced on the country as a whole.

A large majority of the listeners of the country will be greatly benefited by the new allocation. Confirmation of this improvement of course cannot be obtained until the allocation is in effect, but the average listener should look with confidence to the improvement he will get, especially during the winter months.

Result Satisfactory
While to some extent the allocation is a compromise, in general the only questions that had to be settled by compromise were the relative number of the various classes of channels and the power to be allocated to each class. These questions involved engineering, practical considerations and questions of policy. The final result as embodied in the allocation, due to a compromise of the questions, is a compromise that is satisfactory when all things are considered, than if pure engineering only had been regarded.

The question of power on cleared channels will settle itself and the allocation of high power will ultimately be allowed to use as much power as demonstration shows can be used without injury to the rights of others.

The question of the number of stations that can be on the air at any one time was chosen with the view to work as little hardship as possible on existing stations and yet produce satisfactory results. If any change were to be made in the allocation, the change should be such as to require further time divisions and the cancelling of some licenses. This is not because the broadcasting stations have conducted their stations in an unsatisfactory manner, but because the reduction of power and time on the air made in the new allocation, certain localities will have more stations than can be used and give the best possible radio results. Further, the change is not recommended, every broadcasting station which is not satisfied with its new assignment should understand that the reductions made by the commission have not been too drastic, but rather to lenient. A study of any complete allocation will demonstrate this without question.

Today's Programs in Brief

For the convenience of radio fans the following hourly schedule of broadcasting today is given in brief form. Figures following station designations are based on Eastern standard time.	2:30—Music, WHN, 366. 3:00—Music, WFAP, 492; WCHS, 366; WRC, 469; WTIC, 535; WQAO, 366; WGR, 303; WHAM, 280; WJZ, 454; WJZ, 454; WJZ, 454.
3:30—Organ, WAAM, 422. 4:00—Music, WRC, 469; WJZ, 454; WHAM, 280; WJZ, 454.	4:15—Music, WRC, 469. 4:30—Music, WFAP, 492. 4:45—Music, WAAM, 422.
5:00—Music, WHN, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.	5:15—Church, WRC, 469. 5:30—Music, WFAP, 492; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.
5:45—Church, WRC, 469. 6:00—Music, WHN, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.	6:15—Church, WRC, 469. 6:30—Music, WFAP, 492; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.
6:45—Church, WRC, 469. 7:00—Music, WHN, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.	7:15—Church, WRC, 469. 7:30—Music, WFAP, 492; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.
7:45—Church, WRC, 469. 8:00—Music, WHN, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.	8:15—Church, WRC, 469. 8:30—Music, WFAP, 492; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.
8:45—Church, WRC, 469. 9:00—Music, WHN, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.	9:15—Church, WRC, 469. 9:30—Music, WFAP, 492; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.
9:45—Church, WRC, 469. 10:00—Music, WHN, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.	10:15—Church, WRC, 469. 10:30—Music, WFAP, 492; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.
10:45—Church, WRC, 469. 11:00—Music, WHN, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.	11:15—Church, WRC, 469. 11:30—Music, WFAP, 492; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.
11:45—Church, WRC, 469. 12:00—Music, WHN, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.	12:15—Church, WRC, 469. 12:30—Music, WFAP, 492; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.

WEEK'S HIGH LIGHTS

Today	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
11 a. m.—Service from Matheson Street Methodist Episcopal Church. 2 p. m.—Dudley Radio Carriers. 3 p. m.—4 p. m.—8 p. m.—9 p. m.—10 p. m.—11 p. m.—Musical program. 6 p. m.—National String Quartet. 7 p. m.—Reinhold Wehrenschneider. 7:30 p. m.—Capitol Theatre. 8 p. m.—Talk by David Lawrence entitled "Our Government." 9 p. m.—National Hour. 10 p. m.—International Bible Students' program. 11 p. m.—Service from the Church of the Seventh Day Adventists.	11 a. m.—Service from Matheson Street Methodist Episcopal Church. 2 p. m.—Dudley Radio Carriers. 3 p. m.—4 p. m.—8 p. m.—9 p. m.—10 p. m.—11 p. m.—Musical program. 6 p. m.—National String Quartet. 7 p. m.—Reinhold Wehrenschneider. 7:30 p. m.—Capitol Theatre. 8 p. m.—Talk by David Lawrence entitled "Our Government." 9 p. m.—National Hour. 10 p. m.—International Bible Students' program. 11 p. m.—Service from the Church of the Seventh Day Adventists.	11 a. m.—Service from Matheson Street Methodist Episcopal Church. 2 p. m.—Dudley Radio Carriers. 3 p. m.—4 p. m.—8 p. m.—9 p. m.—10 p. m.—11 p. m.—Musical program. 6 p. m.—National String Quartet. 7 p. m.—Reinhold Wehrenschneider. 7:30 p. m.—Capitol Theatre. 8 p. m.—Talk by David Lawrence entitled "Our Government." 9 p. m.—National Hour. 10 p. m.—International Bible Students' program. 11 p. m.—Service from the Church of the Seventh Day Adventists.	11 a. m.—Service from Matheson Street Methodist Episcopal Church. 2 p. m.—Dudley Radio Carriers. 3 p. m.—4 p. m.—8 p. m.—9 p. m.—10 p. m.—11 p. m.—Musical program. 6 p. m.—National String Quartet. 7 p. m.—Reinhold Wehrenschneider. 7:30 p. m.—Capitol Theatre. 8 p. m.—Talk by David Lawrence entitled "Our Government." 9 p. m.—National Hour. 10 p. m.—International Bible Students' program. 11 p. m.—Service from the Church of the Seventh Day Adventists.	11 a. m.—Service from Matheson Street Methodist Episcopal Church. 2 p. m.—Dudley Radio Carriers. 3 p. m.—4 p. m.—8 p. m.—9 p. m.—10 p. m.—11 p. m.—Musical program. 6 p. m.—National String Quartet. 7 p. m.—Reinhold Wehrenschneider. 7:30 p. m.—Capitol Theatre. 8 p. m.—Talk by David Lawrence entitled "Our Government." 9 p. m.—National Hour. 10 p. m.—International Bible Students' program. 11 p. m.—Service from the Church of the Seventh Day Adventists.	11 a. m.—Service from Matheson Street Methodist Episcopal Church. 2 p. m.—Dudley Radio Carriers. 3 p. m.—4 p. m.—8 p. m.—9 p. m.—10 p. m.—11 p. m.—Musical program. 6 p. m.—National String Quartet. 7 p. m.—Reinhold Wehrenschneider. 7:30 p. m.—Capitol Theatre. 8 p. m.—Talk by David Lawrence entitled "Our Government." 9 p. m.—National Hour. 10 p. m.—International Bible Students' program. 11 p. m.—Service from the Church of the Seventh Day Adventists.	11 a. m.—Service from Matheson Street Methodist Episcopal Church. 2 p. m.—Dudley Radio Carriers. 3 p. m.—4 p. m.—8 p. m.—9 p. m.—10 p. m.—11 p. m.—Musical program. 6 p. m.—National String Quartet. 7 p. m.—Reinhold Wehrenschneider. 7:30 p. m.—Capitol Theatre. 8 p. m.—Talk by David Lawrence entitled "Our Government." 9 p. m.—National Hour. 10 p. m.—International Bible Students' program. 11 p. m.—Service from the Church of the Seventh Day Adventists.	11 a. m.—Service from Matheson Street Methodist Episcopal Church. 2 p. m.—Dudley Radio Carriers. 3 p. m.—4 p. m.—8 p. m.—9 p. m.—10 p. m.—11 p. m.—Musical program. 6 p. m.—National String Quartet. 7 p. m.—Reinhold Wehrenschneider. 7:30 p. m.—Capitol Theatre. 8 p. m.—Talk by David Lawrence entitled "Our Government." 9 p. m.—National Hour. 10 p. m.—International Bible Students' program. 11 p. m.—Service from the Church of the Seventh Day Adventists.

Lightning Flash Worth Only 56 Cents—at Metre Rates

It's worth only 56 cents—the lightning flash that causes the wife to shudder and the dog to seek refuge under the bed.

At least, the flash, would be worth that much, and positively no more, if it were high-power radio, "the does not limit her station power to any mere 50,000 watts." Instead, disregarding this maximum prescribed by the Federal Radio Commission, she calmly turns on powers of 500,000,000 watts and even 1,000,000,000 watts, in any average lightning flash.

Man's Efforts Puny

"Using this, the momentary power of 20,000 WEP's or KDKA's all rolled into one, nature can pile up a broadcast signal beside which man's present broadcasting powers seem puny and futile, indeed—or will seem so until

Weekly Radio Test

- 1.—Is there such a thing as a power detector tube?
 - 2.—How are the modern reproducing piano rolls made?
 - 3.—Do airplanes interfere with radio reception?
 - 4.—What happens if the scanning disc of a television receiver is reversed in rotation?
 - 5.—What is a television?
- (Answers to these questions will be found elsewhere in the Radio Section.)
- (Copyright, 1928.)

LOCAL STATIONS

- 11:00—Church, WEAN, 275.
1:30—Music, WJAR, 484.
2:00—Church, WJAR, 484.
3:00—Music, WEAN, 275.
4:00—Music, WEAN, 275.
5:55—Weather, WJAR, 484.
6:00—Band, WJAR, 484.
6:30—Music, WJAR, 484.
7:00—Music, WJAR, 484.
7:11—Feature, WEAN, 275.
7:20—Feature, WEAN, 275.
7:30—Church, WJAR, 484.
8:00—Music, WEAN, 275.
8:00—Church, WJAR, 484.
8:15—Music, WEAN, 275.
8:30—Music, WEAN, 275.
9:00—Music, WEAN, 275.
9:15—Music, WEAN, 275.
9:30—Music, WEAN, 275.
9:45—Music, WEAN, 275.
10:00—Music, WEAN, 275.
10:15—Music, WEAN, 275.
10:30—Music, WEAN, 275.
10:45—Music, WEAN, 275.
11:00—Music, WEAN, 275.

DISTANT STATIONS

- 1:30—Music, KGO, 346; WCCO, 405.
2:00—Music, WMAQ, 448.
3:00—Organ, WLW, 428.
3:30—Music, WCHS, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.
4:00—Music, KGO, 346; WCCO, 405.
4:30—Music, WMAQ, 448.
5:00—Music, WLW, 428.
5:30—Music, WCHS, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.
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11:30—Music, WCHS, 366; WRC, 469; WJZ, 454; WHAM, 280; WAAM, 422.
12:00—Music, KGO, 346; WCCO, 405.

A CITY GROUND

Shunt Wire Across Water Metre If Inside Pipe Is Used.

For the average set in the city dwelling or suburban home, a wire attached to the house water main will serve as an excellent ground connection. Water flowing through the pipe keeps it damp, making it ideal for grounding purposes.

A gas pipe should never be used.

If connection is made to a water pipe after it has passed through the metre, it is advisable to short circuit or "jump" the water metre. This may be done by attaching two ground clamps, one to the pipe that enters the house from the street main and the other to the house side of the metre.

These two clamps are joined together with a piece of No. 14 wire, thereby providing a detour around the metre for the passage of the radio frequency currents which flow in the antenna circuit.

While not equal to the water main, a connection to the steam or hot water radiator will provide a fair ground connection.

In any event, the connection to the grounding pipe should be made through a good ground clamp. The wire which attaches to the receiving set should be soldered to the clamp.

The new Supremacy of Kolster Radio



With this model, Kolster marks a new advance in radio. The receiver is the improved A. C. Kolster 6 tube set, with illuminated tuning dial, with illuminated tuning dial. The speaker used is a magnetic cone developed by Kolster and affording reproduction startling in its realism. The console is small in size, following the current trend in home decoration. The front panels with their delicate ornamentation add a distinct touch to the design. Mechanically, electrically and in appearance—Kolster K22 marks a new step forward.

\$20

Down delivers this Kolster in your home

Price Complete with Tubes \$222.50
Sold on Our Easy Term Plan

MAIL THIS COUPON TODAY

It entitles you to a FREE DEMONSTRATION of the Kolster Radio in your own home on any evening desired, you will be under NO obligation, you will not be urged to buy—because if you are interested in radio you will appreciate its value. Just fill in the coupon and mail it TODAY.

PLEASE DEMONSTRATE THE KOLSTER RADIO ON

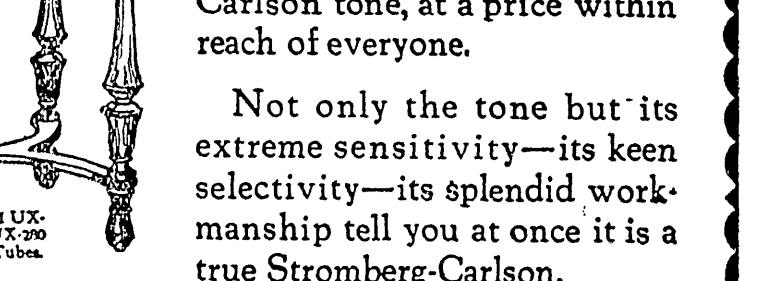
NAME EVENING (DATE)

ADDRESS

TELEPHONE

R. I. ELECTRICAL EQUIPMENT CO.
45 Washington Street Phone Dexter 1052

New Console Model—A.C. Tube Stromberg-Carlson



Price, less Tubes and Cone Speaker **\$245**

HERE is the wonderful Receiver you have dreamed of owning—a Receiver with all the celebrated Stromberg-Carlson tone, at a price within reach of everyone.

Not only the tone but its extreme sensitivity—its keen selectivity—its splendid workmanship tell you at once it is a true Stromberg-Carlson.

This Receiver has a handy jack to facilitate playing records electrically through the wonderful audio system of the Receiver; thus making it possible to convert any standard phonograph into a high quality modern electrical reproducing instrument.

The beautiful cabinet sets a new standard in radio. It is low, artistically designed, with two-toned Walnut panels and top of matched Walnut butts. A slide which may be used as a writing table acts as a cover to close the front.

To truly appreciate this remarkable new Receiver you must see and hear it in your own home. We will gladly arrange for this without obligation.

United Music Co.
New England's Largest Stromberg-Carlson Dealer
233 Weybosset Street

[illegible]

9.45 p. m.—Sonata-Arcade Kirkenholz and Mathilde Harding
 10:15 p. m.—National light opera, "The Rose of Auvergne."
 10:45 a. m.—WEEI—BOSTON—448
 1:30 p. m.—Musical program.
 3:30 p. m.—Seasons chimes.
 5:30 p. m.—Sam Curtis radio chat.
 8:00 p. m.—Same as WJAZ.
 9:00 p. m.—Same as WEAF.
 9:10 p. m.—Singer hour of hospitality.
 9:20 p. m.—Newspaper tidbits.
 9:30 p. m.—Seasons chimes.
 9:45 p. m.—Masterpiece pianist.
 10:00 p. m.—Same as WEAF.
 10:15 p. m.—News dispatches.
 WFI—PHILADELPHIA—105
 10:20 a. m.—Service from Arch Street Methodist Church.
 8:30 p. m.—Same as WJAR.
 WGBS—NEW YORK—349
 8:30 p. m.—Mandolin orchestra from Jewish National Workers' Alliance.
 9:30 p. m.—Civic repertory theatre hour.
 10:00 p. m.—Philharmonic symphony scholarship quartet.
 WGR—BUFFALO—303
 10:45 a. m.—Service from Westminster Presbyterian Church.
 12:00 p. m.—Mandolin orchestra and weather.
 1:30 p. m.—Same as WEAF.
 5:45 p. m.—Baseball scores and news flashes.
 6:00 p. m.—Same as WJAR.
 7:00 p. m.—Correct time WEAF.
 7:45 p. m.—Service from Central Presbyterian Church.
 9:00 p. m.—Same as WJAR.
 9:15 p. m.—Same as WEAF.
 9:45 p. m.—Local contest for young men, Awater Kent Auction.
 10:45 p. m.—Weather report and news summary.
 WGY—SCHENECTADY—380
 10:30 a. m.—Service from First Methodist Episcopal Church.
 1:30 p. m.—Same as WJAR.
 3:30 p. m.—Same as WEAF.
 5:30 p. m.—Same as WJAR.
 7:00 p. m.—Same as WEAF.
 8:00 p. m.—Same as WJAR.
 9:00 p. m.—Same as WEAF.
 9:15 p. m.—Correct time.
 9:45 p. m.—Same as WEAF.
 WHAM—ROCHESTER—278
 10:30 a. m.—Morning church service.
 3:00 p. m.—Singer melody lane.
 3:30 p. m.—Same as WJAR.
 3:30 p. m.—Popular concert.
 4:00 p. m.—Twilight melodies.
 5:30 p. m.—Same as WJAR.
 6:30 p. m.—Concert ensemble.
 7:15 p. m.—Correct time.
 7:15 p. m.—Musical journey.
 8:00 p. m.—Same as WJAR.
 8:15 p. m.—School.
 10:00 p. m.—Organ recital.
 11:00 p. m.—Weather forecast.
 WHAP—NEW YORK—236
 8:00 p. m.—Christian Service reading from the writings of Mary Baker Eddy, and remarks.
 8:45 p. m.—Christian Service reading from the writings of Augusta E. Stetson.
 9:15 p. m.—James P. B. Hyndman, speaker.
 WJLN—NEW YORK—394
 12:30 p. m.—Organ recital.
 1:30 p. m.—Three Little Sacks.
 2:30 p. m.—Dorothy O'Brien.
 2:30 p. m.—Old Timer's period.
 3:00 p. m.—Dance orchestra.
 5:00 p. m.—Dance orchestra.
 6:00 p. m.—Around the dinner table.
 7:00 p. m.—Singer melody lane.
 11:00 p. m.—Organ recital.
 WJCC—BRIDGEPORT—263
 3:00 p. m.—Same as WEAN.
 5:00 p. m.—Same as WEAN.
 5:30 p. m.—Mrs. Styles Northrop.
 6:00 p. m.—Study of music.
 7:00 p. m.—Otto Brails Park Terrace Orchestra.
 8:00 p. m.—Mrs. Frederick Fish and Florence G. Balletti.
 8:30 p. m.—Same as WEAN.
 9:30 p. m.—Same as WEAN.
 10:30 p. m.—Same as WEAN.
 WJIP—PHILADELPHIA—349
 10:45 a. m.—Service from Holy Trinity Church.
 WJZ—NEW YORK—184
 9:00 a. m.—Children's hour.
 1:00 p. m.—Organ recital.
 2:30 p. m.—Program under the direction of Marie Damosch.
 2:00 p. m.—Roxby and his gang.
 3:00 p. m.—The Continentals.
 4:00 p. m.—Dr. Sockman's question hour.
 5:00 p. m.—Twilight reveries.
 6:00 p. m.—Swing Islanders.
 6:25 p. m.—Baseball scores and summary of programs.
 6:30 p. m.—Littell Anglo-Perkins.
 7:00 p. m.—Correct time.
 7:00 p. m.—The Chorus.
 8:00 p. m.—Echoes of the Orient.
 8:15 p. m.—Collins' radio hour.
 9:15 p. m.—The Chorus.
 9:45 p. m.—El Tango Romantico.
 10:00 p. m.—Correct time.
 10:00 p. m.—El Tango Romantico.
 10:15 p. m.—An hour of chamber music with Frances Papezzo, mezzo soprano.
 WKRV—BUFFALO—217
 10:45 a. m.—Catholic service.
 1:00 p. m.—Organ recital.
 7:00 p. m.—Evangelistic service.

10 15 p. m.—Back home gospel melody hour.
 WLVI—NEW YORK—370
 8:00 p. m.—Service from Paulist Fathers' Church.
 WOR—NEWARK—122
 3:00 p. m. m. Americana, Part VI.
 4:00 Cologne Cathedral.
 7:30 p. m. m. Concert assemblé.
 8:30 p. m. m. Choir invisible.
 9:30 p. m. m. Market and Halsey Playhouse.
 10:30 p. m. m. "Pipe Dreams."
 WPAI—FAIRHAVEN—395
 9:00 a. m.—Children's "Happy Morning" period.
 9:45 a. m.—Organ and violin Sunday morning period.
 10:15 p. m.—Pre-church Sunday morning concert.
 WPTG—ATLANTIC CITY—278
 4:15 p. m.—Community vocal and instrumental recital.
 5:15 p. m.—Belgian service.
 9:00 p. m.—News flashes and baseball scores.
 9:10 p. m.—Concert orchestra.
 10:00 p. m.—Correct time.
 10:00 p. m.—Sunday evening musical.
 WQAO—NEW YORK—305
 11:00 a. m.—Catholic evening services.
 3:00 p. m.—Inspiration hour.
 7:30 p. m.—Catholic evening services.
 WRC—WASHINGTON—169
 1:00 p. m.—Service from New York Avenue Presbyterian Church.
 1:30 p. m.—Same as WEAF.
 2:00 p. m.—Same as WEAF.
 4:00 p. m.—Same as WJAR.
 5:00 p. m.—Service from Washington Cathedral.
 6:00 p. m.—Same as WJAR.
 7:30 p. m.—Same as WJAR.
 8:00 p. m.—Same as WEAF.
 9:15 p. m.—Same as WEAF.
 9:45 p. m.—Correct time.
 9:45 p. m.—Echoes of the Orient.
 10:15 p. m.—Master musicians.
 11:30 p. m.—Weather forecast.
 WTAI—WORCESTER—317
 1:30 p. m.—Same as WEAF.
 6:00 p. m.—Same as WJAR.
 7:00 p. m.—Same as WJAR.
 7:30 p. m.—Baseball scores.
 7:35 p. m.—Studio program.
 8:00 p. m.—Same as WEAF.
 9:00 p. m.—Same as WJAR.
 9:15 p. m.—Correct time and news reports.
 WTC—HARTFORD—555
 1:30 p. m.—Same as WEAF.
 3:00 p. m.—Same as WJAR.
 3:30 p. m.—Same as WJAR.
 4:00 p. m.—Same as WJAR.
 4:00 p. m.—Same as WEAF and Those Who Made Them.
 7:30 p. m.—Same as WJAR.
 9:00 p. m.—Same as WJAR.

VENTILATE RECEIVER

Otherwise, Overheated Power Units May Ignite Set.
 Power equipment that has been rigged up by the set owner should have sufficient ventilation to obviate any danger from fire. Where high voltages are handled, heat is the logical result, and unless this heat is carried off through proper ventilation it will melt rubber insulation and otherwise pave the way for a short circuit.
 In all sets which utilize higher voltages, it will be found that the power compartment is well exposed to the air, although this point is likely to be overlooked if the radiolist views the receiver only from the front. Stepping "back stage" however, he will see that the rear of the receiver usually is pretty well exposed in order to provide an exit for the overheated air.
 One way to reduce power equipment if the cabinet is not primarily designed for it and to take care of the sort of power likely to be used by the radiolist who builds his own equipment, is to drill holes in the back. This usually makes a neater arrangement than to saw a section and cover with wire screen, and it generally answers the purpose just as well.

Two-Car Family in Sight
 Los Angeles was the first large city to average one motor car per family. Now that it has bettered that record by 40 per cent., a recent motor car survey in Los Angeles discloses that 234,500 families own 361,725 passenger cars. This is almost 1.4 cars per family.

Marshall & Co.

Authorized Radiola Service
 Where They KNOW the Neutrodyne
R-A-D-I-O Exclusively
 DORRANCE STREET
 94 Old Narragansett Hotel

BOSTON STORE

Radio Dept.—Fourth Floor
 the new

R. C. A. Radiolas

are now on demonstration

Simplified operation from the electric light outlet—rugged construction of the finest materials—amazing volume and realism of tone—all these qualities are in these new instruments. Everything that has made R. C. A. Radiolas among the most popular of all receivers.

Radiola Model No. 62

**DISTRIBUTORS FOR
OPERADIO SPEAKERS**