

Your friend the telephone!

YOU want the best telephone service you can get. We are just as anxious to give it to you. So that's one thing we have in common.

Most of the job of keeping the service up to scratch belongs to us. But there are some things you can do, and taking proper care of your telephone instrument is one of them.

Inside that telephone on your table are a lot of small parts—over two hundred of them. Every time you bang or drop the instrument the adjustment of these parts is made a little less true. Result—a noisy telephone; a cuff on the ear doesn't improve your hearing.

Any telephone is only as good as its cords—the wires which join it with the bell box. If these cords are often twisted and jerked or allowed to get wet, you may expect poor service—or no service at all.

Your telephone is as well made as the best brains and hands can make it. It is a friend, and deserves to be treated as such.

THE CHESAPEAKE AND POTOMAC TELEPHONE COMPANY

Bell System



Paint Your House

You will be money ahead if you do, because (1) paint adds to the value of a house; (2) paint saves repair bills.

Lowe Bros.

HIGH STANDARD PAINT

Has been noted for its excellence and economy for more than fifty years. It goes on easily, hides perfectly, covers a large area per gallon, and dries to a beautiful weather-proof finish—a finish that will retain its beauty and protect your house for years.

Let us show you color panels and tell you how little it will cost to beautify your home.

LUMBER COAL & SUPPLY CO.,
Westminster, Md.

Hall's Catarrh Medicine

Those who are in a "run-down" condition will notice that Catarrh bothers them much more than when they are in good health. This fact proves that while Catarrh is a local disease, it is greatly influenced by constitutional conditions.

HALL'S CATARRH MEDICINE is a Combined Treatment, both local and internal, and has been successful in the treatment of Catarrh for over forty years.

Sold by all druggists.
F. J. Cheney & Co., Toledo, Ohio.

Horses and Shoates

I have for sale at my place in Westminster

60 Fine Shoates

of different sizes.

To-day I received another carload of

Virginia Horses



which are in fine condition and will suit nicely for farm and other work.

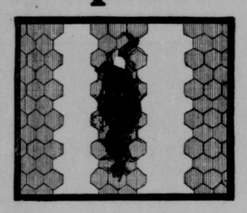
No trouble to show stock.

Chas. W. King,

WESTMINSTER, MD.

PHONE 113 2-19-2t

Expert Radiator Repairs



IF your radiator is leaking, clogged, or worn out, drive in and let us look it over. No charge for estimate or testing. If it needs repairing or cleaning we'll give you prompt service and a skillful job. If the core is worn out we'll replace it with a

FASCHN CORE

—a core that will outlast your car and give you 100% service. Every job guaranteed.

Drive In Today

A simple repair NOW may save you the price of a new radiator *later on.*

STORMS RADIATOR WORKS
279 E. Main St.

Correct English

MONTHLY MAGAZINE
Authoritative Exponent of English for 24 years
Edited and founded by
JOSEPHINE TURCK BAKER
Famous World Authority on English
Send 10 Cents for Sample Copy
Correct English Publishing Company
Evanston, Illinois
(Agents wanted everywhere)
1-22-10t*

Auto Painting And New Tops

WHEREAS, you have been parking too long under a shabby car tha slanders your car, bears false witness about its age and condition, and is suspected of old age.

THEREFORE, you are summoned to appear, as soon as convenient before

JOHN E. ECKENRODE
70 Liberty St., Westminster, Md.

"A Judge of Good Painting"

If guilty, you will be sentenced to a stylish job of Painting guaranteed to be first class, for which the fine assessed will be very moderate.
Phone 15-M.

The newspapers report, relative to recent storms, that the elements are delaying work on the roads. The political elements frequently do so.

The younger generation claims the world has not been run right, and the boy who has had an interview with father in the woodshed will say so.

COMMISSIONERS' NOTICE

Hereafter, and until further notice the County Commissioners of Carroll County will meet at their office in Westminster every Monday and Tuesday of each week for the transaction of business.

By order.

SAMUEL J. STONE,
Clerk.

NOTICE TO CREDITORS

This is to give notice that the subscriber has obtained from the Orphans' Court of Carroll County, Md., letters of administration on the estate of

CLINTON THOMAS

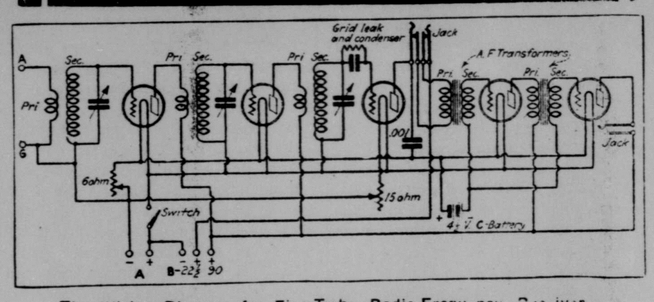
late of Carroll county, deceased. All persons having claims against the deceased are hereby warned to exhibit the same with the vouchers thereof legally authenticated to the subscriber on or before the 13th day of September 1926, they may otherwise by law be excluded from all benefit of said estate.

Given under my hand this 6th day of February, 1926.

IDA MAY THOMAS,
administratrix.
2-12-5t

The nearer election comes, the more anxious the politicians become to serve the people.

RADIO



The Wiring Diagram for Five-Tube Radio-Frequency Receiver.

By EDWARD SPIEGLER,
In New York Herald-Tribune.

For a dependable, trustworthy radio broadcast receiver, one that will work consistently night in and night out without fuss or bother, the writer believes it is difficult to find one more desirable than a straight five-tube, three-dial tuned radio-frequency set constructed with efficient condensers and tuning coils and equipped with standard accessories. The sensitiveness, selectivity and volume of an outfit of this type can be practically guaranteed in advance, and the builder can be assured that he is not spending his money on some one's notion of a freakishly "different" receiver of undetermined worth. When he has finished the wiring and connected the batteries he will hear broadcasting, and hear it well.

The writer recently completed such a receiver, incorporating in it the acceptable innovation of a few new tuning inductances, and enjoyed an instant satisfaction from it that was unusual. He had previously made a number of popularly exploited radio-frequency sets of different design, and had spent whole evenings of patient adjustment on each in an effort to obtain good results. This orthodox, unpretentious outfit, boasting nothing more radical than some straight-line frequency condensers and some different R. F. coils, produced such immediate results in the form of many and loud stations that he thinks people who want fool-proof receivers should be told about it.

Parts Required.

The average constructor will have no difficulty in assembling the set with the aid of ordinary hand tools. The parts required are a panel 7 by 24 inches, of any good insulating material; a half-inch thick wood baseboard of the same dimensions, three Gen-win Lemnis coils, three .00035 mfd. straight-line frequency condensers, three dials to fit same, one six, and one thirty-ohm rheostat, one double and one single circuit telephone jack, five standard tube sockets, grid condenser and leak, two audio-frequency transformers, one battery switch, one binding post strip and the usual busbar and other incidentals.

The set is most conveniently assembled in two units, the panel and the baseboard.

The sockets for the R. F. tubes occupy the space between the variable condensers and a little to the rear of them. The detector socket is up in the extreme upper right corner of the baseboard, and is followed by the A. F. transformers and tubes winding along the back edge of the board. The second A. F. tube is in the upper left section, its "P" post going conveniently to the telephone jack in the lower left corner of the panel. Similarly, the right-hand jack connects to the adjacent detector socket.

This U-shaped lay-out keeps all the connections very short and in their logical order.

About 90 per cent of the wiring involved in the construction of this receiver can and should be done on the baseboard instruments before the panel is screwed into position. The constructor is advised against assembling the parts first and wiring afterward, as the presence of the protruding variable condensers will make the installation of many of the wires exceedingly difficult.

No binding posts are provided for the "C" battery, as this unit is most easily connected by means of short lengths of flexible cord. The other battery connections are standard and are easily followed.

The Wiring.

The wiring of the R. F. and A. F. stages is more or less orthodox in nature. The three variable condensers are connected directly across the respective secondaries of the Lemnis coils, with stationary plates going to the grids of the tubes and rotary plates to the filament circuit.

The feature of this receiver, outside of its general effectiveness, is the type of radio-frequency tuning units employed. Each one consists of a 15 turn primary and a 103-turn secondary, the wire being wound according to the lemniscate principle. This form confines the electromagnetic field and neutralizes the tendency toward oscillation. The extraordinary length of the lemniscate curve reduces the resistance otherwise encountered in small diameter coils.

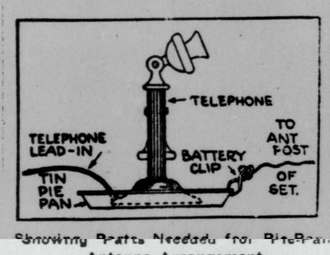
The wire used is No. 26 enameled, high turn-to-turn capacity being avoided by a system of spaced winding. Over all, a coil is just three inches long and two and three-quarters across the loops; the small diameter of the latter is one inch. An ingenious experimenter can readily rig up a winding jig made of two short curtain pole sections nailed on end of a board and produce desirable coils.

The directions which the magnetic flux of each section of these coils assume by virtue of the peculiar winding scheme are such that the coils as units have completely confined magnetic fields. This property precludes the necessity of mounting the coils at particular angles in a receiver in order to prevent interstage coupling. The absence of interaction also gives each coil a fixed and definite inductance value.

The last mentioned fact is responsible for a very desirable effect, namely, the almost exact co-ordination of the three variable condenser readings, from 200 meters right up to 600. Different aerial lengths seem to have little influence on the first condenser reading, the variation at three different locations being not more than one point on a 100-unit scale. To select several DX stations of some sixty-five tuned in during two nights of listening, the dial readings were 70½, 71 70 for WMBF, Miami Beach, Fla.; 69½, 69, 69 for WGY, Schenectady, and 89, 89, 89 for WIP, Philadelphia. It is actually possible to hear a station on each dial setting, because of the wave channel allocations and of the straight line frequency characteristic of the receiver.

Friendly Old Pie Pan Serves as an Antenna

The only parts necessary to construct this serviceable indoor antenna are a pie pan, nearby telephone, battery clip, and from 10 to 20 feet of copper insulated wire. The battery clip should be clamped to the rim of the pan after spot on pan has been sandpapered or scraped for good contact. Wire is attached to clip



Showing Parts Needed for Pie-Pan Antenna Arrangement.

the other end is connected to the antenna binding post of the radio set. If wave length is too high or tuning is broad, insert a folded piece of newspaper or piece of cardboard between phone and pie pan.—Radio Digest.

Chicago Fan DX Champ; Makes Daylight Record

What is believed to be a record for daylight reception was hung up by KFI, Los Angeles, when a football game, broadcast from a remote control in the Los Angeles coliseum, was received in Chicago, commencing at 2:35 p. m. Central time. With two grid contests scheduled, the whistle blew for the first game at 12:30 p. m. Pacific time, and it was reception of this game that brought a Chicago radio fan into prominence as a daylight DX champ. Undoubted proof that this daylight transmission and reception is not freakish is found in the fact that 5,000 students of the University of Iowa heard an entire Iowa-U. S. C. game in Los Angeles and broadcast from KFI. Hundreds of letters and telegrams on both days indicated that daylight reception of KFI in the Central and Midwest states is general. Daylight reception over great distances on extremely short waves is not unusual, but KFI was on its normal wave length of 467 meters for both games.

Learn How to Solder Before Building Set

This business of soldering radio sets is easy once you get the knack of it. If possible to use an electric iron it will be found that soldering becomes still more child's play. And don't use anything but rosin core solder. You don't have to bother about applying the flux before the solder for it's already in it. Just see that the two things to be soldered are clean, then get your iron hot and touch it to the metal for a few seconds to get it hot. Now touch your iron to the solder, retaining some of it at the tip of the iron, touch the tip of the iron to the place to be soldered and the solder will run off the iron, making the joint—and it's all over.

Burnt Tubes Useful

Use your burnt-out tubes as a battery connector. Break the glass, solder leads from the battery to the wires inside the brass shell and fill the shell with sealing wax. Now connect the battery leads from the wiring of the set to a socket arranged conveniently on the back of the cabinet. It is a simple matter then to "plug in."

POULTRY

FEED LAYING HENS IN COLD WEATHER

In feeding laying hens, only one-half to one-third as much of the scratch feed should be fed in the morning as in the evening, according to the instructions accompanying a list of rations for laying hens recently compiled by T. A. Bittenbender of the poultry husbandry department Iowa State college.

He states that the mash feed should be left before the birds at all times. It should be fed in self-feeding hoppers. It has been found that mash moistened with hot water or buttermilk fed in the middle of the morning will increase the egg production noticeably during the winter months.

The green feed should be fed at noon or soon after. Sprouted oats, steamed alfalfa leaves, cabbage beets mangles or a small amount of fresh silage will answer the purpose. Green feeds and mash are very essential, according to Mr. Bittenbender, for the highest possible production of eggs during the winter months.

Some scratch formulae which Mr. Bittenbender recommends are as follows: 200 pounds of corn to 100 pounds of oats; or 200 pounds of corn 200 pounds of wheat and 100 pounds of oats. For a mash formula the following is recommended: 100 pounds bran, 100 pounds middlings or shorts, 100 pounds ground oats, 100 pounds ground corn, 50 pounds tankage, 5 pounds salt, 20 pounds bone meal and 20 pounds of ground limestone. To this as much liquid buttermilk, sour skim milk or paste buttermilk as the birds will consume should be added. Forty pounds of dried buttermilk can be substituted for the liquid milk.

Cheap, but Ideal Floor for the Poultry House

Eight inches of cinders, gravel or crushed rock covered with about two inches of rich cement will make a cheap but ideal floor for the poultry house. The porous material under the cement will tend to keep the floor dry. The filling should be tamped until it forms a solid base for the concrete.

Hollow tile forms perhaps a more satisfactory base for the cement, and only one-half inch of cement is needed to cover a carefully laid floor. It is more expensive than the other filler. It should be laid on a layer of sand and then covered with rich cement to make a smooth surface which is more easily cleaned.

Nebraska Station Gives Ration for Laying Hens

The ration for laying hens should have yellow corn as its basis and also contain mineral, animal protein, and a green feed. Cracked yellow corn as a scratch feed and sprouted oats for a succulent feed, plus a self-fed dry mash made up of 150 pounds of corn meal, 150 pounds of shorts, 100 pounds of bran, and 100 pounds of meat meal or tankage is recommended as Ration No. 1 by the new Nebraska Station Circular 33. Three other rations are listed on the back page and the circular as a whole deals with principles and methods of feeding for an average of above 150 eggs per hen per year.

Try Sprouted Oats

There is nothing that does more to promote egg production and the general health of the fowls during the winter months than sprouted oats. This is such a cheap feed and oats are so easily sprouted that it is surprising that there should still be some breeders who do not regularly feed sprouted oats to their birds. A good sprouter should be considered a necessity on every poultry plant. They can be had in many forms and in any size to suit the largest as well as the smallest poultry raiser. If you have never fed sprouted oats, try it.

Poultry Notes

If houses and coops are not kept clean lice and mites take control of things.

* * *

Don't forget gravel for the hens when snow covers the ground—it's their teeth.

* * *

Make a close examination frequently to see whether birds are gaining or losing in weight.

* * *

Health, vigor and vitality must be maintained in poultry if winter eggs are to be obtained.

* * *

Resolve that this year, if never before, you will supply plenty of litter and see that it is changed often.

* * *

One authority says that eggs from hens fed milk freely will hatch better and produce more vigorous chicks.

* * *

Convenience for both hens and caretaker should be considered when building a poultry house. Convenience means cleanliness and cleanliness means health. The arrangement of fixtures such as water stands, nests, roosts and droppings board, broody coop and mash hopper should be such as to promote ease of cleaning and saving of labor in caring for the flock.

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