## DONT DROP LIGHTED CIGARS .. .. ON WOODEN FLOOR BRIDGES

Dont throw away your cigar or cigarette when crossing a bridge with a wooden floor, advises the Bureau of Public Roads of the United States Department of Agriculture. It may start a fire that will destroy the bridge.

Many such fires are started. Most of them are put out with small damage. but occasionally a large structure is destroyed. It seems strange that a steele bridge should be destroyed by fire, but heat from a burning floor may cause the destruction of the whole bridge by softening; the breaking of one weakened member will cause the whole span to drop into the river. On some large bridges a watchman is kept to guard against this danger, and in a dry season fires have been known to occur almost daily.

A committee composed of a representative of the bureau and representative of the National Board of Fire Underwriters, the lumber and creosote industry, and the Engineering News-Record, a prominent engineering magazine, is now investigating the subject and considering the best means of protection.

### Boiled Down

Uncle Sam's latest note to Europe might have been more briefly phrased in these familiar words, "please remit."—Boston Transcript.

The country would have a population composed wholly of millionaires if everybody heeded the advice of the "efficiency"departments in the magazines.

## HOMEY PHILOSOPHY FOR 1922

A few weeks ago 12 o'clock was 12 o'clock. Now 12 o'clock is 11 o'clock. Everybody says so, and that makes it so. A dollar bill is a dollar bill because everybody says so, and its changed into ninety cents as soon as everybody says so. "Everybody's" the doctor that can cure all the ills of the world if everybody says so—an' prosperity? why, is up to everybody just like everything. Ain't it funny how so many people want to join the nobody ranks instead of the everybody ranks?


Messages to Seekers of Success

**Lazy Dollars**

Dollars merely *safe* are not performing their natural function. They are not working. They are not doing the owner or the world any good.

Moreover, most hiding places thought to be safe are decidedly unsafe. Not only thieves, but fire or other unforeseen happenings may rob you of your wealth.

**Saving Is Using**

Dollars saved are safer! And they are constantly working to earn more for you. They are constantly working for the good of the whole community.

Consider this. We pay you for saving. And while you are saving, your money is never out of reach. It is always ready for you and easy to get when you need it.

Start with us today. One dollar will do it.

To Save Your Money and Make Your Money Safe

**BANK WITH US**

**THE PEOPLES BANK**

DENTON, MARYLAND

F. H. NUTTLE, President. T. F. JOHNSON, Cashier.



**FIRST-CLASS SQUARE BERRY CUPS BERRY CRATES**

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Are Manufactured and are on Sale at Reasonable Prices at Our Works

WE SELL Lumber—Rough and Dressed; Shingles, Lath, Windows, Doors, Blinds, Lime, Hair, Cement, Coal, Hay, and all kinds of

**BOX SHOOKS**

**THE HUGHES LUMBER AND COAL CO.**

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THIS EXCEPTIONAL OFFER IS GOOD FOR A SHORT TIME ONLY

Subscriptions may be new or renewal. All renewal subscriptions will be extended for one year from present date of expiration.


*FINE JOB WORK AT THE AMERICAN UNION*

## MARYDEL

The Marydel dodge ball team played with Hartley team last Thursday at the former place and the score was 4 to 7 favor Marydel.

Mr. Frank Medford of Kennedyville spent the week end with his parents, Mr. and Mrs. F. P. Medford.

Mr. Henry Davis spent the last of the week in Wilmington, Del., and Philadelphia, Pa.

Miss Edith Davis and her friend Mr. Moore of Dover spent the week end with her mother, Mrs. Nellie Davis.

Mrs. Hanna Boyer of Baltimore is visiting her sister Mrs. Edith Hall.

Mr. T. E. Heather and family were out of town visitors Sunday.

Mr. Harry Smith and family and little Naomia Stafford and Rosine Scotton spent Sunday in Engleside.

Miss Helen Heather of Wilmington, Del., spent Friday to Sunday with her mother, Mrs. Anna Heather.

Mr. B. R. Kaler and family spent Sunday in Smyrna, Del., with friends.

Little Miss Anna Pritchett of Wilmington, is spending a holiday with friends in town.

Mr. T. Olin Ford and family spent Sunday with Mrs. Ford's sister, Mrs. Harry Gibson, Queen Anne.

Mr. Medford Taylor of Wilmington spent last week with his brother Harry Taylor.

Mr. J. Fred Bowdle and family of Philadelphia, Pa., spent the week end with Mrs. Bowdle's parents, Mr. and Mrs. A. B. Gooden.

Mr. and Mrs. Martin Blanche, of Marcus Hook spent Saturday and Sunday with his mother.

Mr. Thomas Pritchett and son, Thomas, Jr., spent the latter part of last week with his daughter, Mrs. E. K. Everett.

Miss Irene Harman of Washington, D. C., is spending a two week's vacation with her mother, Mrs. Etta Harman.

Mr. Elmer Bowdle and son Harry motored to Leipsic, Del., last Sunday.

Messrs. Harry S. Dailey and T. E. Ford were Dover visitors last Friday.

Mr. Linwood Cohee, his mother and Mr. Milton Dill and Mr. and Mrs. Herman Cohee, motored to Greensboro Monday evening.

Miss Ruth Hall, of Dover, Del., spent the week end with her mother.

Mr. William Voss, of Hartley, Del., was a town visitor Sunday.

Mr. J. J. Garris and family of Preston, spent Thursday afternoon here.

Mr. and Mrs. B. R. Kaler were Dover visitors Saturday afternoon.

Mrs. Mollie Tolson of Smyrna, Del., is visiting Mrs. E. H. Morris.

Miss Dorothy Rawlings, of Greensboro, was a town visitor Tuesday.

Most all the men folks both young and old attended the race at Harrington on Decoration Day.

## HENDERSON

Mrs. W. F. Clark and son Pierce have returned home after spending several days with her sister, Mrs. Freeborn Ellwanger of near Denton.

Miss Olivia Coffin, of Denton, and brother Amos of Middletown, spent the week end with their aunt, Mrs. Frank Gough.

Miss Evelyn Green of Wilmington, was a week end guest of Miss Lillian Meredith.

Mrs. Preston Harris of Preston, has returned home after spending several days with her parents, Mr. and Mrs. C. H. Clough.

Little Miss Anna Katherine Montague is visiting her grandparents, Mr. and Mrs. George W. Moore, of near Kenton, Del.

Mr. and Mrs. J. F. Quillen, Mr. and Mrs. Alston Long and Miss Lillian Meredith motored to Wilmington for the day Saturday.

Mr. W. F. Clark and daughter Annabelle and Mr. and Mrs. George Carrow were guests of Mr. and Mrs. Freeborn Ellwanger of near Denton Sunday.

Mr. McKinley Wilkinson of Easton, was a week end guest at the home of Mr. and Mrs. Wilbur Griffin.

Mr. and Mrs. T. A. Montague and children were guests of their parents, Mr. and Mrs. G. W. Moore of near Kenton Sunday. Mrs. Montague's cousins, Mr. and Mrs. Samuel Moore of Dover and son Harold and wife of Philadelphia were there who had never seen one another before. Also Mrs. Robert Robinson of Dover who had not seen Mrs. Montague since she was quite small, so it was quite a home gathering.

Miss Eva Killen of near Felton, Del. was the guest of her aunt Mrs. J. F. Quillen Monday.

Miss Anna Jones of Wilmington is visiting her parents Mr. and Mrs. J. R. Jones.

Mr. and Mrs. Hitchens and son Frank of Felton were guests of her sister, Mrs. F. B. Sweeney Sunday.

Miss Alva Tomlinson who has been over in Germany for three years has been visiting her sister Mrs. Lillard Jones for two weeks.

Mr. and Mrs. J. B. Medford were guests of Mr. and Mrs. William Cahall of near Sandtown, Del., Sunday.

Mr. and Mrs. J. E. Walls and daughter Evelyn were entertained at the home of Mr. and Mrs. Alex Gooden Sunday.

# RADIO

## INSTRUCTIONS FOR TROUBLE SHOOTING

### How to Detect and Remedy the Open Circuit, Short Circuit and Leakage.

Radio circuits are subject to the same ills that the ordinary power circuits are subject to. However, to cure them is not such a difficult task as might be supposed, especially if some logical procedure is used.

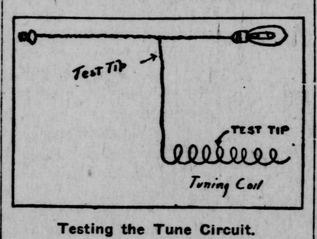
If a receiver is well put together in the first place and all contacts and other parts gone over once in a while, there is no reason why there should be any trouble. But the human being is prone to err, so that for the "once in a while" that is liable to happen, this article will be devoted to the explanation of what might happen to a simple receiver and the best way to fix it.

The usual troubles of the receiver fall under one of the following three headings:

1—An open circuit.
2—A short circuit.
3—Leakage.

An open circuit can most easily be detected by means of a series lamp. Nearly every one has available the ordinary 110 volt lighting circuit. Take an ordinary extension cord and cut one wire at any convenient place and use these two ends as test clips or tips. The extension cord is plugged into the house lighting circuit at any convenient outlet and when the two cut ends are held together the lamp will light as the circuit is closed. When the tips are held open the circuit is "open" and the light will go out.

Suppose it is desired to test for an open circuit in a tuning coil. Connect one tip to one end of the winding and the other test clip to the slider. As the




Testing the Tune Circuit.

slide is moved back and forth the light should remain lighted. If the light goes out at times there is an open circuit in the coil. If the light goes out when the coil is jarred the slider does not make good contact with the winding.

If a buzzer and battery are available they can be used in testing for an open circuit in the same way that the lamp can be used. Connect the battery and buzzer in series with the test clips or tips and any low resistance circuit can be tested.

The ground connections can be tested with a buzzer and battery, but do not use the house-lighting circuit to test for grounds because one side of the lighting circuit is already grounded and if the other side were connected to the ground a short circuit would exist and an excessive current flow.

If the ground wire is connected to the water pipe, connect one test tip to the ground and the other to the gas pipe, which is also grounded. The buzzer should buzz if one has a good low resistance ground.

Leakage usually exists between the antenna and the ground. An antenna should be well insulated from its support. The lead-in should be brought down to the point where it enters the wall of the station in such a manner that when the wind causes it to swing, it cannot touch any grounded material, and that rain and snow cannot cause a path along which the current can ground. In bringing the lead-

To Test Telephone Cords.

in through the wall, insulate it well and inside the station use as short a piece of well-insulated wire as is possible to make good connection with the set.

To test the continuity of the circuit of a pair of telephone receivers, touch the tips of the cord phone to the tongue. If the receivers are in reasonably good condition a slight click will be heard. If the response in one receiver seems to be weaker than that in the other, examine the diaphragm of the receiver giving the weaker response and see if it is bent toward the pole piece. Try tuning the diaphragm over if such is the case. Be careful when the diaphragm of a receiver is removed that the leads of fine wire from the magnet spools to the connection blocks do not become broken in handling.

If the continuity of the circuit of a pair of telephone receivers is checked and no response is heard when the cord tips are touched to the tongue, try checking each receiver of a double head set separately.

The two receivers are connected in series and to check either one separately, short circuit the tips of the cord leading to the other receiver just outside of the case. Should it appear that there is an open circuit in the cord, short circuit both receivers where the cord enters the case and with a buzzer or lamp connected to the tips on the end of the cord test for an open circuit.

Care should be exercised by the operator when adjusting a crystal detector to see that his fingers do not touch the surface of the crystal or the contact point of the little spring. The oil secretion that exists in the skin together with the dust that it collects will render a crystal detector inoperative by the insulating film that it will cause to form on the portion of the crystal surface that is touched. Should the surface of the crystal get dirty as evidenced by the received signals becoming weaker and weaker, try cleaning the crystal with alcohol and a little brush. Or if this does not seem to remedy the trouble, chip off old surface so that an entirely new surface is presented to the spring.

### TIPS TO THE RADIOIST

The higher the aerial the stronger the signals. An increase of five to ten feet in the height of the flat top aerial will increase signals.

Addition of a variable condenser to the secondary or to the primary of a loose coupler often helps to tune out the undesired signals.

The sliders on tuning coils often make poor contacts with the slide rod. Thus much of the signal strength is lost. You can overcome this by soldering a flexible wire to the slider.

Increase length of spreaders of two, three or four-wire aerials from six to ten feet for best results. Each wire should be from four to six feet from its neighbor. Two wires one or two feet apart are no better than one wire. Likewise four wires on short spreaders are no better than one wire.

## AMATEURS SHOULD PLAY FAIR

### Radio Inspector Schmidt Urges That They Learn the Laws and Regulations.

Nine out of every ten radio fans are good sports, but the tenth is either a fan with poor judgment or a "rotter." It is up to the amateurs to see that restrictions are not imposed upon them, by playing fair, says Radio Inspector L. R. Schmidt of the Ninth district.

This can be done by observing certain cautions and by becoming posted on the radio laws and regulations. A copy of these regulations may be obtained from the superintendent of documents, government printing office, Washington, D. C., for 15 cents. It is worth while to spend 15 cents in order to be a "square shooter" in the radio game.

The great trouble with amateurs is that when they want to send a message around a corner they put on all the power they have with the hope that some one in Texas might pick up their message. The object should be to use the minimum amount of power to get the message to its destination.

"In all circumstances, except in case of signals or radiograms relating to vessels in distress, all stations shall use the minimum amount of energy necessary to carry out any communication desired."

Amateurs should keep their wave length to 200 meters.

They should use a "pure wave" or, as the regulations state, "if the sending apparatus is of such a character that the energy is radiated in two or more wave lengths, more or less sharply defined, as indicated by a sensitive wave meter, the energy in no one of the lesser waves shall exceed 10 per centum of that in the greater."

The wave must be "sharp." As to this the regulations state: "At all stations the logarithmic decrement per complete oscillation in the wave trains emitted by the transmitter shall not exceed two-tenths when sending distress signals or signals and messages relating thereto."

Amateurs frequently are at fault in calling stations too often. The law states that they can call three times, send "d e" once and sign their station call three times; but often the amateurs will send the calls a dozen or more times.

## HOW TO GROUND AN AERIAL

### If Properly Done It Really Protects the Property From Lightning.

Generally speaking, aerials do not attract lightning, but they do store up atmospherical electricity, and, of course, this condition does create a hazard. However, when the aerial is properly grounded it then acts as a lightning rod and really protects the property from this electrical hazard.

Briefly, the fire underwriters require that the aerial be grounded when not in use by a copper wire no smaller than B. S. Gauge No. 4 or larger, and run said wire as directly as possible to the outside ground.

This means that water, gas or steam pipes inside the property cannot be used for a lightning ground, because if ever this ground was called into service there is a possibility that fire and loss of life may result. So do not use inside grounds for lightning protection.

## VERNON

John Voss is preparing to build a new house where the other new residence was burned last Christmas.

Mr. and Mrs. A. C. Smith and Mr. and Mrs. Alfred Ross visited Mr. and Mrs. J. L. Stevens of Frederica Sunday.

The Misses Florence Melvin and Vertie Smith of Philadelphia have been spending several days with Miss Della Melvin and Miss Mabel Luff have also spent two days with her.

Field day was celebrated at Greenwood on Decoration Day, the sports and games being under the auspices of Bethel M. P. Church, the Rev. Mr. Milton Sutcliffe pastor. All were cordially invited. Mr. Sutliffe is a most progressive and up-to-date pastor and believes our young people should be brought up hand in hand with the church and school.

The Rev. Mr. Clifton Lord has informed his friends here he has a charge with which he is well pleased, consisting of three churches in southern California, 40 miles from Los Angeles. The churches are 60 miles apart but he can soon attend them by automobile. He is thinking of making it his future home. His wife as a singing evangelist is of the greatest help to him in his labors. We are glad of his success.

Miss Alice Gertrude Coverdale of Norristown, Pa., has been visiting her parents, Mr. and Mrs. Walter Coverdale and celebrating her twenty-second birthday anniversary.

William Hardesty of Seaford has been spending a few days with Mr. and Mrs. Lewis Slaughter.

Mrs. Florence Wix Nelson of Preston and children spent the week end with Mr. and Mrs. Eugene Wix. Mrs. Nelson has been entertaining her mother in law, Mrs. Nelson of Harrington for a while.

Clark Ivins was a recent Denton visitor.

Miss Esther Adams was accompanied by a large number of pupils of Prospect at the field meet at Caesar Rodney. Her pupils won. Miss Adams is a most progressive teacher and the district is fortunate in securing her services as teacher. Miss Mabel Luff accompanied her teacher Mrs. Alice Ross and did excellent chinning and leg raising at Caesar Rodney school. She and several of the other pupils of Maple Grove passed every test for the bronze badge but with the closing of school, practice stopped and the children did not get entered.

Prospect Church is getting ready for the children's day service to be held the second Sunday in June.

Mr. and Mrs. A. Wesley Ross have been guests of Mr. and Mrs. W. G. Wooters and visited the Rev. Mr. and Mrs. W. L. Jump of Denton and Mr. and Mrs. A. C. Warrington of Felton and heard a fine sermon by the Rev. Mr. Kelso at Laws church Sunday.

We are glad that Clifford Raughley has recovered from an attack of flu and pneumonia.

Mrs. Clara Steele attended the funeral of her aunt.

One of our former teachers, Mrs. Mary Ward Patchett and husband have purchased a new Buick.

Mrs. J. L. Hopkins and daughter, Ellen, entertained the Ladies Aid. The meeting was called to order by the president, Mrs. Rachel Ross after which a most interesting program was rendered.

There were two recitations given by Mrs. J. L. Hopkins and Mrs. R. W. Ross at the close deligicious refreshments were served.

Mrs. Alberta Ross recently observed her birthday anniversary. Cake and cream were served. Many lovely gifts were received.

Remember your friend's birthday with one of our attractive birthday cards.

## HAT IN RING FOR CABOT LODGE JOB

Colonel Wm. A. Gaston, prominent financier of Boston, announces his hat is in the ring for the Democratic nomination to the U. S. Senate to succeed Henry Cabot Lodge, of Mass.

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