

RADIO DIGEST

Practical Pointers Concerning Wireless in All Its Branches.

Be Careful

Amateurs experimenting with radio sets should never tinker with house lighting circuits or other high voltage systems.

Positive vs. Negative.

The positive side of a battery is that from which current flows to the external circuit. Negative is the return circuit to the battery. This applies only in direct current.

To Stop Noises.

Shield the back of the panel with a thin sheet of metal, solder all connections tightly, make sure that the switch points and arms are not loose, use

MCCORMICK'S JERSEY CREAM SODA BISCUITS. A flavor you never forget. As good as they taste.

at the Pennsylvania Industrial Home for Blind Women in Philadelphia, Pa. Fifty women now enjoy the daily comforts.

Local Action.

In a storage cell, "local action" is caused by impurities in the cell, and consist of a short circuit current which consumes the plate, but produces no available energy.

Vital Part of Good Receiver.

An amplifier in a device which builds up or magnifies the waves or sounds in a radio receiving set. It generally consists of a "hard" tube, one with or as near total vacuum as possible.

Fake Inspectors.

Keep your eyes open for the bogus radio inspector wearing a special officer's badge. The fake inspector, after going over the wiring of the radio apparatus, upon which he invariably places his approval, collects a fee of from \$1 to \$5.

Direction of Antenna.

An outdoor aerial does not necessarily have to run in any particular direction to pick up a certain station. The direction of the antenna means nothing at all in reception. Run the line the way that gives the most "open view," unobstructed by houses, etc.

Dust Causes Leakage.

A small brush should be a part of the equipment of all receiving sets. Keep the dust from collecting between the terminals, contact points, on the plates of the variable condensers and in corners of the cabinet. Dust the set each day. Radio instruments are delicate, and require care and attention similar to a watch if they are to function with efficiency.

Headsets for Clear Receiving.

In a radio headset each receiver should be carefully matched in tone so both will emit vibrations of the same nature. The receivers must be "synchronized" if the message is to be clearly understood. This is especially important for distance reception. Matched tone headsets have been found to increase greatly the range of radio receiving sets, as they produce exactly the same tone at each ear. The human ear is more sensitive to vibration of sympathetic nature.

For the Notebook.

Always ground the set when leaving it unattended. A crystal detector gives better results in the country than in the city. The light socket attachment will not function satisfactorily with a crystal set.

Never place the lead-in tube so that the rain or snow can fall directly into it. This will cause leakage. A single wire antenna is just as good, and in many cases a little better, than a four-wire antenna or a cage antenna. It has been suggested that the President of the United States set aside 10 minutes each day for a personal radio talk with the American people.

Radiograms.

The cost of installing a first-class broadcasting station in the United States is about \$50,000. A large radio was recently installed

at the Pennsylvania Industrial Home for Blind Women in Philadelphia, Pa. Fifty women now enjoy the daily comforts.

Because of the mammoth skyscraper buildings in the lower part of New York city, the operation of a radio-telephone broadcasting station is practically an impossibility.

The State College at Pullman, Wash., is erecting a radio station, with which it is proposed to broadcast complete educational courses for the benefit of ranchers.

Chineses are being adopted by large American broadcasting stations for announcing and signing off their programmes. They are said to be a great aid to the listener tuning in.

The United States Weather Bureau is working on a plan to establish a floating weather bureau in the Atlantic Ocean by means of radio communication. Its purpose is to assist in protecting the lives of the many thousands of persons and millions of dollars' worth of property at sea.

SIX CHICAGO UNIONS SIGN \$125 PER HOUR CONTRACTS. Bricklayers and Five Other Strong Bodies Puncture Demand For \$150 Rate.

Chicago, March 19.—Recalcitrant labor unions and certain ambitious labor leaders who had planned to stand out for \$150 an hour for all lines of organized labor, beginning May 1, have been upset by the bricklayers and five other strong unions, who have signed a year's contract at the old rate of \$125 an hour.

Some of the less skilled unions are now negotiating for a contract at \$102.12 an hour. Plasterers have been receiving \$110 an hour, but they are no source that contractors have been paying them a bonus of \$10 a day, in many instances. This brings their wages up to \$120 a day. The new rate gives them a flat \$125 an hour, but the bonus system probably will continue.

Under the new contracts no restrictions are placed upon the use of labor-saving materials or devices, and the bricklayers also agree not to strike because of the use of non-union labor on their own or any other craft. Over-time is barred, except to remedy dangerous conditions, impeding life, and the employers agree not to advertise for more men than are needed.

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Splendid laxative properties of Dr. Caldwell's Laxative Syrup Pepsin proven by test.

ANY FAMILY MAY TRY IT FREE. Thousands of parents are asking themselves, "Where can I find a truly trustworthy laxative that anyone in the family can use when constipated?"

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Every member of the family from the infants to the grandparents can use it with safety. It is gentle and mild. The formula is on the package. Miss Gertrude Steeves of St. Stephen, N. B., says her mother will use no other laxative for her little sister, who is two years old, and Miss Jennie McDonald, of Parkhill, Ont., declares it is just what her mother needed.

After observing for years the satisfactory effect of his prescription for constipation, he placed it in drug stores in 1892, a simple vegetable compound of Egyptian senna and pepsin with

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