

RADIO CENTRAL LINKS 32 NATIONS

Commercial Radio, Recently in Infancy, Now a Modern Giant.

By C. E. Butterfield
(Associated Press Radio Editor)
NEW YORK (AP)—Commercial radio, an infant a few short years ago, has grown into a world-sized modern giant.

It has cast off all of its swaddling clothes and has attained itself in a manner befitting the dignity of a grown-up. No longer does it flounder, but it strides along without interruption and with messages following one another so fast that an automatic recording device is necessary to bring the language it speaks within the ken of man, its master.

Forgotten are the tangle of wires and the confusion of its earlier stages. It has taken on somewhat of the appearance of its rival, the wire line, and the uninitiated visitor entering a central radio transmitting and receiving station would be hard put without help to determine whether it was a telegraph or a radio office into which he had strayed.

Just around the corner from Wall street, financial heart of the United States, there is on the second floor of a building at 66 Broad street such a place. It is a radio center whose invisible "feet" reach to all corners of the world, either directly or indirectly. There, R. C. A. Communications, Inc., sends and receives messages by radio almost anywhere that the foot of man has trod.

In this place there is one item a little different from the ordinary telegraph office. Upon such operating desks is a standard bearing the legend, "Holland P.G.G.," or the location and call letters of some other station.

For each station represented, and there are 40 of them tapping 32 countries, there is a sending and receiving operator. Everything is automatic. The sending operator writes on a device resembling a typewriter, which punches a tape feeding into a recorder that transposes the holes into the dots and dashes of the international code.

The receiver copies his message from a wavy line on a tape, automatically marked by a sign in a recorder which copies dots and dashes just as they come out of the air. Each operator has a pair of headphones for checking purposes.

There also are high speed sending and receiving machines for handling messages as fast as 300 words a minute. Several operators are necessary to keep each one going at full speed.

The operating tables are connected to a massive control board of amplifiers, to which signals are fed by wire from the actual receiving and sending stations scattered along the Atlantic coast from New Jersey to Maine.

Both long and short waves are used by the stations, which are located at Rocky Point and Riverhead, L. I., Tuckerton, N. J., New Brunswick, N. J., and Belfast, Me. All are operated by remote control from the central office.

In addition to stations on the other side of the Atlantic, the Broad street office now is in direct communication, by a new trans-continental circuit, with San Francisco, through which it can reach the far east with a single relay.

Farm Pointers

Feeder pigs have been in increasing demand during the last few years, chiefly from farmers in the corn belt and from men who devote their time to the business of fattening pigs. Other demands come from garbage-feeding and serum plants near large cities. Feeder pigs generally weigh from 75 to 100 pounds, sometimes up to 120 pounds.

There now are on the market small, compact sets for testing soil acidity. These are easily handled and a farmer can test the fields himself. Many farms contain a variety of soils, and sometimes only part of a field will be acid. It is well to make a number of soil-acidity tests in different parts of a field to avoid unnecessary applications of lime.

To determine fairly accurately the number of tons of hay in a stack, multiply the "over," or the distance from the ground on one side over the top, to the ground on the other, by the width at the ground, then by the length, and then by .027. Generally 512 cubic feet of hay weighs one ton.

A suckling colt that is being broken soon will become accustomed to the conditions and noises associated with work if he is tied to his mother's teats when she is worked. The tie can be made at the union of the back hand and the teats and should be short enough to prevent the colt from getting in front of the team. This practice should be continued at short intervals and only until the colt is broken to lead.

The leaves of an alfalfa plant contain about two-thirds of the feeding value of the plant, and alfalfa hay should be put in the stack or mow with as many leaves as possible. The hay should be handled as little as possible after it begins to dry and should be raked before it becomes brittle.

Honey should be thoroughly ripened in the hive before it is extracted; otherwise it is likely to ferment. If the combs are well capped and the honey weighs 12 pounds to the gallon, its maturity may be taken for granted.

CIRCUS COSTUMES BEAUTIFUL



Miss Bebe Letourneau, the only woman acrobat in the world swinging by her heels from the dizzy heights of a circus top without the aid of a net to prove that she has no fear, says that "Fine Feathers" is a phrase that bids off the evolution of the circus nowadays, especially the Al G. Barnes circus, coming to La Grande Thursday, July 11, south of Pahuer and west of Oak streets, for in no department of spangled activity has such noticeable progress been made of late years as in costume-making. Girl riders, aerialists, wire dancers and gymnasts reflect the mode of the moment in their ring dress, when, in the days gone by, they were content with lights and spangles. Women performers spend hundreds of dollars on a single ring costume, where before they spent tens of dollars. In the past, it was the rule for them to make their own arena dresses. Today, the names of well known modistes are seen on the labels of their ring frocks.

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IT'S EASY GET BUSY

Eat vegetables for beauty

What we eat has to do with how we look

EAT vegetables for a healthy—hence clear and beautiful—skin, is the way a recent address by a professor of medicine might be summed up. Specifically he mentioned cabbage, carrots and spinach. It may be news to many women that the vegetable garden or market is first aid to the beauty parlor.

There is nothing new about this, however, to scientific and medical authorities. Good skin, as well as good health generally, is largely a matter of what we eat. In a very real sense, the children, women and men of the United States are as good as their diet.

Every woman interested in feeding her family will be interested in the results of a series of experiments recently conducted by a group of nationally known women cooking experts. They searched for a way to make vegetable foods so tasteful that practically everybody will enjoy them. Their recommendations are: (1) Use very little water in cooking the vegetables. (2) Add a dash of sugar to the vegetables while they are cooking.

Bear in mind that this dash of sugar does not make the vegetables taste sweet. Sugar is nature's supreme seasoning. In this case it brings out the delicate vegetable flavors, and it also improves the vegetable freshness and color. In addition to milk, cereals, fruits and meat, eat at least one raw and one cooked vegetable a day. Remember cookies, candies, stewed fruits, berries or ice cream for dessert. A bit of sweet makes the meal complete. The Sugar Institute.

Her husband's sweetheart

A gripping story of a blind girl's fight to hold her husband's love

AT last Christine knew the truth. Gone was the sweet dream of love which her marriage to Relio had brought her—since that other woman, Nina, had come into their home. His "sister," Relio had called her. But he seemed to change somehow. Often there clung to him the odor of lilacs—Nina's perfume.

"You needn't lie," Christine once told him sadly. "I know you love Nina. But you needn't marry. So you married me, a blind girl, and brought Nina here as your 'sister,' thinking to hide from me the truth. The hurt to my heart doesn't matter. I can never repay you for the happiness you have given me, for having sold yourself to a blind girl, even for a time.

Of course he had de-

mind, protested, pleaded—had almost convinced her that she had been wrong. Then came this fragrant summer's night when suspicion became certainty—when she had knocked at Nina's door—and Nina had screamed.

"I shall wait for you, Relio, in my own room," Christine had called through the door.

And so now she waited, white-lipped, dry-eyed, gripped by emotions that seemed to rend her very soul. Read her dramatic revelation, "Out of Her World of Darkness," in August True Story.

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