

The RADIO PHAN Talks

BY F. S. BARTON

The Secret Wireless, Ltd., has just been formed in London to furnish broadcast programs that can only be tuned in by the aid of a special device, so that only those who subscribe to the company's services can hear their programs. The inventor of the apparatus used claims that it can be attached to any receiving set.

Fans are now experimenting with the new hook-up which eliminates batteries. The heat is applied electrically through the top of the new tube and the filament does not come inside the tube at all. Parts for this set are now obtainable.

John D. Rockett, Jr., has just had built the largest set of chimes in the world. These were constructed in London in honor of his mother and were recently broadcast from 2LO.

Station KDKA recently succeed-

ed in getting through to Australia where an entire program was heard clearly and enjoyed by many, this over a distance of 9,000 miles.

England also has the distinction of having the first air stock company in the world to tour and play broadcast stations.

A new portable superhetrodyne has been put on the market by the Radio Corporation of America and while the set is not radically different from others, it is a portable in every sense of the word.

Everyone is wondering what the new sets this fall will be like. It is probable that there will be no radical changes in receiver design, but there will be advances in detail. There is no doubt but that the superhetrodyne is here to stay, and this type will be increasingly used this fall. The super and the neodyne will cover practically any and all requirements.

We note the following in Radio Digest: "Of all the thousands of exercise fans who follow the radio directions of Arthur Bagley every morning, one of the strangest groups is in a small town hotel in northern New York, where all the guests get out of bed at 6:45 a. m. and assemble in the lobby to

perform the radio twists and turns.

The set of the future will have no visible horn, no aerial, no batteries, and only one control.

Now that amateurs have taken up the problem of transmitting moving pictures by radio, we expect great developments. It will not be many years before this will be an accomplished and commercial fact.

MANY TRACTORS MADE

FORDSON PRODUCTION NOW HALF-MILLION MARK

The Ford Motor company reached the half-million mark in the production of Fordson tractors late Thursday afternoon May 21, when Fordson No. 500,000 came off the assembly line at the River Rouge plant. The half-millionth tractor was completed at 4:23 o'clock, just a few minutes before the close of the day's work. It is planned to exhibit it at a number of state fairs during the coming summer and fall.

Since its introduction eight years ago the Fordson tractor has come into world-wide use and has brought a new efficiency into agriculture and the business of farming in nearly every country on the globe. It is estimated that a large majority of all tractors in use today are Fordsons and the Fordson is said to be the only tractor ever placed on the market without a subsequent change in basis design.

It is also a singular fact that long before he dreamed of manufacturing motor cars, Henry Ford was experimenting with engines in an effort to find some means of relieving farm drudgery. Born on a farm, his first glimpse of life was in the daily round of arduous farm duties and in his early boyhood he developed a strong feeling against prevailing agricultural methods.

Large Car Shipment Made By Chevrolet

DETROIT, Mich., June 13.—The Chevrolet Motor company shipped 52,853 motor cars and trucks during May which displaces April as the second highest production month in the history of the company. The April production was 52,236 cars and trucks. Of the May production, 42,783 units were for domestic sale and 10,070 were for Canada and exports. Production in both April and May closely approached October of 1923 the boom year when Chevrolet production reached its highest point.

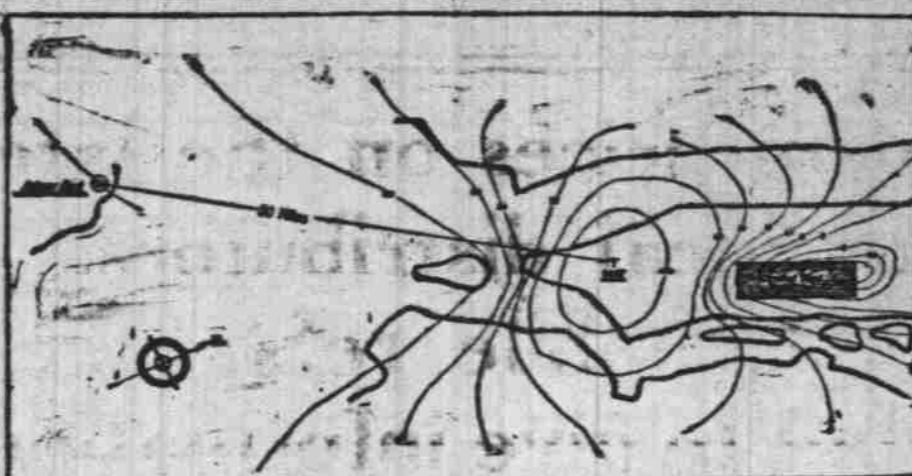
Retail sales during May were 48,176, this being the fourth largest delivery month in the company's history. April of this year was the largest delivery month exceeding May only by 5,107 sales. At the end of April Chevrolet had on its books 36,512 unfilled orders. At the end of May there were 30,709 unfilled orders.

Radio Reduces Expense Of Russian Relief Work

ERIVAN, Russian Armenia.—The radio is about to invade southern Russia. The American Near East relief will install wireless communication between its orphanages and relief stations. Its broadcasting equipment will be of the simplest variety, as the distances to be covered are in no

Everyday Radio

BY KIMBALL HOUTON STARR



IT ISN'T ALWAYS YOUR RECEIVER THAT IS AT FAULT

Radio receivers will not necessarily operate with the same efficiency in Tasmania as they will in the heart of New York City. The reverse of this statement is also true.

A very expensive radio receiver might be installed in Central Park, New York City, and the results would be extremely poor when listening-in, for instance, to WEA F, a very powerful station, two miles distant. A relatively inexpensive receiver, however, located at Asbury Park, New Jersey, 50 miles from WEA F, might receive broadcast programs from WEA F with very wonderful volume.

The reason for this great difference in transmission of radio programs can be illustrated in this instance as due to absorption of the transmitted energy and also to the good conduction of the radiated waves by the Hudson and East Rivers. With WEA F at Walker Street, as shown in the drawing above, and a receiver in Central

Park, it is seen that the waves radiated from WEA F do not take their usual shape, as shown by the dotted lines, but are badly distorted due to the absorption by the masses of steel, buildings, etc., in New York City in close proximity to both the transmitter and the receiver.

Likewise, it will be seen how the radiated waves from WEA F reach Asbury Park with their usual signal strength and relatively non-distorted. This condition of absorption of energy from broadcast stations is obviously of greater importance in cities containing masses of steel than in the country, yet at the same time it should be understood that signal energy may be absorbed by mountains, forests and even by isolated steel structures, chimneys, etc., in rural sections.

RESORT BURNS FIRST DAY

WINNIPEG, June 12.—On the day on which it was to have opened for the season, Minaki Inn, famous Canadian National summer resort on the Lake of the Woods, was destroyed by fire, it was reported here. Advances to the Canadian National offices said that the inn itself would be a total loss.

SAMMY SPARK PLUG



Says: A new broom sweeps clean and a new spark plug sweeps. Why lag when you can lead?

AUTO LAUGHS When Neal O'Hara of the New York World was stopped for speeding he explained he was hurrying to get tickets for the Police Field Games before it was too late.

Common Sense Tempers Match Making in Japan

TOKYO.—Japanese fancies, in springtime, are very much like those of other nationalities. Recently the Women's club in Atagocho, Shima, gave a party for 40 young bachelors and an equal number of unattached young women with a view of arranging nuptial contracts. Each guest was given a paper which identified every other member of the party. The girl's ages, stations in life, education and other conditions were given in detail. The identification of the men included the amount of monthly income they could produce to support a family.

The fee for admittance to the party was 50 sen, although no arrangement was made to refund it in case the mating plans went awry.

RIVER CURRENT METERS OPERATED BY DRY CELLS



How fast does the river flow? Max Stanley, C. F. Todson and Professor Floyd A. Nagler (left to right) are making ready to test the river current meters assembled on a display table in the Iowa State University's hydraulic laboratory.

THE use of small dry cells to record the currents of turbulent rivers or placid streams may seem a strange combination, but undergraduates of the State University of Iowa, at Iowa City, are being called upon by the United States Department of Agriculture to use the small electric units for just that purpose. In the University's well equipped hydraulic laboratory they are making extensive tests of various river current meters of foreign and American manufacture.

When Department of Agriculture men want to find out how fast currents are flowing they will use the instruments which have been proven by the Iowa lads. In describing the testing work, Professor Nagler said:

"The propellers of these instruments rotate with the moving current when the instrument is lowered in the water, and the faster the

water moves past the suspended instrument the faster will the propeller rotate. It is necessary, however, to have some method of counting the number of revolutions made by these moving elements in a given period of time in order to determine the velocity of the water, and, of course, this cannot be done by the eye.

Dry Cell Energy

"Hence all of the meters have an electric contact making device whereby physical contacts are made every single, five, twenty-five or fifty revolutions of the wheel, depending upon the type of the meter.

"A battery of dry cells is in circuit with these contacts through a cable which is lowered with the instrument and the indication of contact is registered on a chronograph, a revolution counter, by a buzzer, bell or ear phone."

Step on The Plunger---

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CAR MAKERS MAY INSURE

MANUFACTURERS CONSIDERING NEW FIELD

Regarding the present high cost of insurance as a handicap to motor travel and an unnecessary burden on the automobilist, the automobile manufacturers of the country are planning to enter the insurance business, with a company representative of the industry, according to a decision reached at the national automobile chamber of commerce meeting here today.

Charles Clifton, president of

this association, was authorized to name a committee to study insurance costs and to report on the advisability of actively engaging in this business.

Filipino Sailors Enlist In Insular Coast Guard

MANILA.—With the organization and training of the officers and crews of the insular fleet of coast-guard cutters along military lines, approval of which has been given by Governor General Wood, department heads and Brigadier General Rafael Crame, chief of

the constabulary, are laying a modest beginning for a future Philippine navy.

Brigadier General Crame, with the approval of Secretary of the Interior Felipe Agoncillo, recently authorized the transfer of arms and other military equipment for use of the coast-guard sailors, the men having volunteered to furnish their own uniforms.

At present the coast-guard force consists of 300 officers and men. Although the sailors are not required to perform military service, it is said all have volunteered to do this additional work both aboard ship and ashore.

Announcement



READY FOR BUSINESS

We don't wreck 'em but we fix 'em up after they are wrecked.

We have taken over the room which was used by the Stiff Furniture Company, located next to our Paint and Top Shop. This room will be used for our Auto Trimming Department as well as for all Body, Radiator and Fender Work.

Mr. Moody, an expert sheet metal worker, who has had twelve years experience will have supervision of this work.

We are prepared to give you the best workmanship, materials and service in the following lines:

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