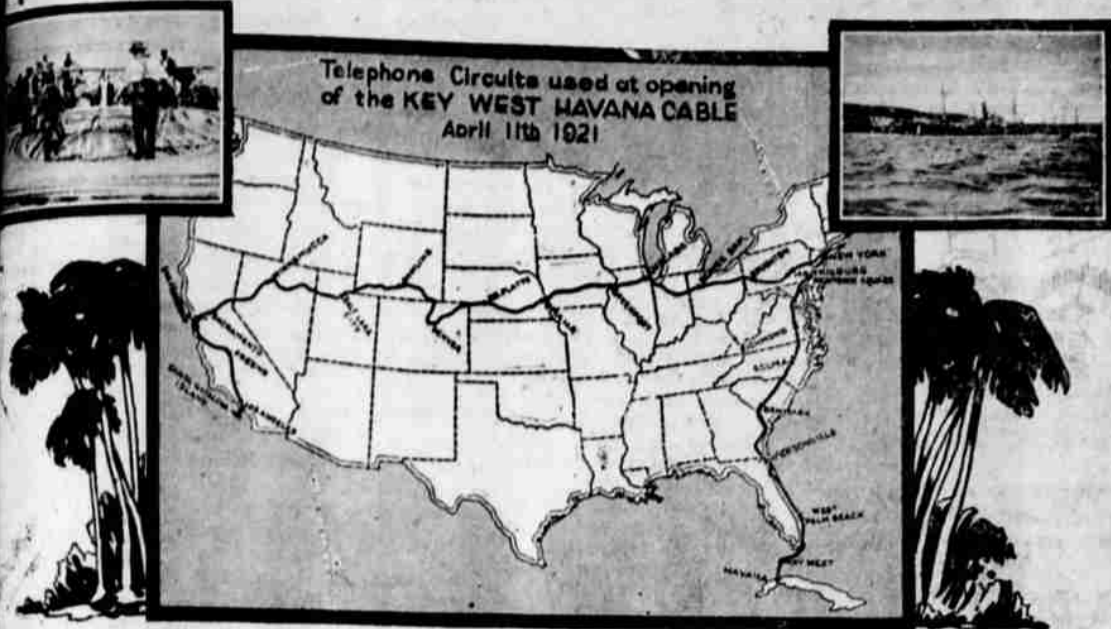


Telephone Cable Has Stimulated Flow of Trade Between Merchants of United States and Cuba

Telephone Circuits used at opening of the KEY WEST HAVANA CABLE April 11th 1921



By JOHN B. O'BRIEN

the famous "Message to Havana" was delivered, means of communication in Cuba were extremely primitive and the delivery of a message over any considerable length of territory was more of a hazardous undertaking. It is not only possible to telegraph from Havana to any of the cities and towns in the Republic, but any point in the United States can be reached quickly from Havana.

has been but four years since the world's largest deep-sea telephone cable, connecting Havana, Key West, Florida, was laid by President Harding. On April 11, 1921, the service was inaugurated with a conversation between the late President Harding, President Menocal of Cuba, and a call was conducted by Gen. C. G. Carr of the repeating station in the circuit from Havana to Key West, which last named point reached by a radio link from Key West. That established a world's record for Long Distance telephony. However, since the Catalina Islands have been connected by cable, so that it is possible to talk directly from Key West to Key West, it has been a

steady increase in the use of the cables. Although the number of messages from Cuba still exceeds somewhat the number of messages from the United States to Cuba, the tendency each year has been for the messages to Cuba to increase at the faster rate, so that if the present trend continues, the United States subscribers in the United States will soon make more telephone calls to Cuba than they receive from Cuba.

During 1924 there was an increase of about 25 per cent in the number of messages exchanged between this country and Cuba over the average number sent in 1923. As might be expected, the flow of business is of a somewhat seasonal nature, the average messages per representative day being much greater in February than in July.

A large part of the business is between New York City and Havana and, accordingly, a direct telephone circuit connects these two cities. Business to other points in the United States is handled through New York or is switched to other Long Distance lines at Jacksonville or Key West, where the two other circuits terminate. About 4 per cent of the messages are with points in Cuba other than Havana.

Telephone operators in Havana have to be able to understand both English and Spanish, since the re-

quests for service may be in either language. The cables to Cuba have shown that it is possible for telephone business to be developed between countries where different languages prevail.

A noteworthy use of the cables during 1924 occurred on February 8, 1924, when Havana was connected with the transcontinental line extending from New York to San Francisco, in connection with the dinner of the Bond Club at Chicago. Speeches, music, and roll call of the stations along the transcontinental line were broadcast from seven radio stations, including station PWX at Havana, to a radio audience estimated at more than 50,000,000 listeners.

Messages for Cuba originate in all parts of the United States, some of the messages handled during 1924 having their origin as far west as Portland, Ore., and Seattle, Wash.

The construction of the Cuban-American cable was one of the first large undertakings attempted by the Bell System following the close of the World War. It was then decided that the time had come to link Cuba to the mainland by telephone cables, but the task called for a great deal of engineering skill and involved many problems and features which had never before been attempted. In the first place, it meant the long-

est stretch of submarine telephone cable that had ever been put into service.

At one place between Havana and Key West over the selected route the water is a mile deep, and that brought up another difficulty. In addition to the strong current of the gulf stream flowing around the southern point of Florida, the temperature of tropical waters and the peculiar tastes of the toredo, an inquisitive insect that inhabits these waters, had also to be taken into consideration.

After exhaustive research work the feasibility of the project was accepted and three separate cables were laid, each consisting of a single copper core made up of a central wire which is surrounded by five copper tapes. Over these, small iron wires are wrapped to provide the proper amount of inductance, generally referred to as "loading." The core is surrounded by a sheath composed of copper ribbons spiralled about gutta-percha and protected by steel armor wire. The cables vary in diameter from an inch and a quarter in the deep sea length to two and one-half inches at the shore ends.

The Long Distance telephone circuits which connect with the Cuban cables are routed down the east coast of Florida and across the Florida keys to Key West.

HARVESTING IS WELL UNDER WAY IN MIDDLEWEST

KANSAS CITY, Mo., June 23.—The northern hehira of the army of golden grain has begun.

Harvest is nearly over in southern Kansas, and thousands of bronzed huskies who every year follow the siren song of the binder and thrasher, have wrapped up "their other shirt" stowed away their wages in their shoes, and "grabbed a freight" for the first leg of the adventuresome and laborious journey that will end in Canada.

Riding the rody under groaning, lurching freight cars, with their grimy faces only a few inches from the gleaming rails, huddled in the "blinds" exposed to smoke, cinders and the wrath of the trainmen, perched on the tops of the awaying box cars, helpless prey of the whims of j pluvius, the army of the golden grain is moving northward.

Nonchalantly dangling their legs from "side door pullmans" the advance guard of the veteran harvesters wave a greeting and a farewell to the stragglers yet in the fields.



Naturally, the more ice we sell the better we like it. But that doesn't mean we want to see you waste ice. We want you to get the best possible service from the ice you buy. Don't keep your refrigerator doors open any longer than necessary. That lets warm air in, and makes your ice melt faster. The economical way to use ice is to keep your ice-chamber always full, and the food compartment doors closed.

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Phone 58.

MEMBER NATIONAL ASSOCIATION OF ICE INDUSTRIES
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KLAMATH INDIANS HESITATE ABOUT RIDING IN WHITE MAN'S EAGLE

As the Indians at the banks of Wlul-Kse away their fright and and brave the air is uppermost in the minds of French and Harris of the "beach," who piloted the resort on Agency Lake

presented themselves at the field and requested of the pilots to be taken through the air. The first refused the invitation for a stunt ride, the second hung on tight and managed to pull through with a thrilling "loop-the-loop" and the third was given the airman's delight, a spiral tall spin.

Yesterday morning the plane was taken to Wlul-Kse on the banks of Agency Lake, and there curious Indians who thought they had reached the peak of civilization with red and yellow silk shirts and Fords gathered around the ship, punching the canvas and marvelling at the

shaft which steered the noisy monster-bird through the clouds. The first Indian to make the trip has not been found, but curiosity has become aroused more and more and perhaps the Redskins will put their faith in the White Man and soar far above the earth.

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Announcement

We are now the authorized distributors for the Caterpillar Tractor Co., which has recently acquired the Holt Mfg. Company and the C. L. Best Tractor Company.

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SALE

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