

WIRELESS NOW OPEN WITH CANAL ZONE

First Daylight and Unrelayed Message from New Government Station Reaches Arlington.

Special to The New York Times.

WASHINGTON, May 3.—Secretary Daniels announced today that the first daylight message from the new naval radio station at Darien, in the Panama Canal Zone, to the navy radio station at Arlington, overlooking Washington from the south bank of the Potomac, was received on Friday, April 30. It was the first official message between these two links in the chain of high-powered radio stations that the navy will have in operation between Washington and the Philippines next Winter. Until this was received, all messages from the Navy Department to the Canal Zone had to be sent at night and be relayed. In the future these messages will be handled day and night via the new Darien station.

The distance from Arlington to the Canal Zone is 2,000 miles. The sending and receiving radius of the new Darien station is 4,000 miles. The opening of direct communication will affect a material saving to the Government in cable tolls, as it is expected that in a short time all official telegrams of the Government to the Canal Zone will be handled by the Arlington-Darien radio route. Captain Bullard said tonight it was not the intention for the present to handle commercial messages over this radio line, because the business of the Government with the vessels of the navy and of the War Department with the Canal Zone would be of sufficient volume for the capacity of the plant.

Radio experts of the navy appear to be much gratified over the success of the Darien station because when it was contracted for the type of equipment selected was practically discredited by a majority of the eminent technical authorities throughout the world. The Navy Department, however, through its own investigations and with the cooperation of the American manufacturers of the apparatus, had come into possession of reassuring data. Scientific development during the last year, the installation of this system at the Tuckerton station in New Jersey, and the success of its installation at Darien has confirmed the decision of the radio experts of the navy to adopt this type of installation for long distance radio telegraphy.

The type of radio installation at the Darien station is the Poulsen arc system, and this station will be the most powerful in the world using exclusively this style of equipment. Since the United States Navy has been in temporary control of the German radio station at Tuckerton, the Poulsen arc system has been installed at that point and Captain Bullard said tonight that this system was being successfully used there in communicating with Berlin in daylight as well as by night.

Captain Bullard said the Tuckerton station was now sending a large volume of messages daily direct from Tuckerton to the station at Eilvese, a suburb of Berlin, a distance of about 4,000 miles, and was also receiving messages from Berlin daily. The station, he said, was handling all the business offered, and the number of words handled between Tuckerton and Berlin each week was now averaging about 10,000.

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