Scientific American

MARCONI WIRELESS TELEGRAPH RELICS.

Commercial wireless telegraphy may hardly be said as yet to have a history. Many years from now, however, when the story of its rise will be written, the historian will find it necessary to present no small

account of the first messages that were sent across the Atlantic, as well as of the practical uses to which wireless telegraphy was applied in the early days of its development. The story would not be complete without some account of the first wireless newspaper published on shipboard, and without reproductions of the first messages transmitted across the Atlantic waters.

Not the least interesting of the records which will be carefully preserved for this future historian is a copy of the first newspaper ever published aboard ship, containing wireless news sent from shore. Through the courtesy of Messrs. Munroe & Munroe, of New York, Mr. Marconi's representatives in this country, we are enabled to present a facsimile reproduction of this interesting

menus. The first example of the possibility of transatlantic telegraphy without wires was afforded on the orifices holds in solution a large percentage of bicarbonate of soda, which solidifies as it spreads over the surrounding land, leaving the surface as white as though covered by snow. Few persons visit these springs, on account of their inaccessibility, but, with

the extension of the railroad from San Francisco, the place will certainly become a popular resort. The water is ice cold, but those who venture to take a mud bath profess to find great relief from their maladies.

In the vicinity there are numberless mineral springs of great volume and potency. A remarkable fact relating to the mud springs is that every earthquake shock in the State, no matter how distant it may be, can be detected by action of the springs, for either the flow of water is increased or the soil which surrounds them quakes. It is said also that at regular periods the water of the springs ebbs and rises like the tide.

It is said that work on the mono-rail highspeed electric railway from Liverpool to Manchester will probably

occasion when Marconi received, on board the "Philadelphia," messages up to 1,551 miles, and a test letter up to 2,099 miles. Marconi's record of that fact

J. Morrow THETRANSATLANTIC TIMES. BULLETINS VOLUME I.

THE TRANSATLANTIC TIMES

hour!

Mr. W W Bradfield, Editor

m - Chief. Mr T Bowden, As-istant Editor. Miss J B Holman, Treasurer. Mr H H McClure, Managing Editor.

Through the courtesy of Mr G Marconi, the Dassengers on board the "St Paul," are accorded a rare privilege, that of receiving news several hours before landing. Mr Marconi and his assistants have arranged for work the apuaratus used in reporting the Yacut Race in New York, and are now receiving dispatches from their station at the Needles. Warnews from South Africa and home messages from London and Paris are being received. Through the courtesy of Mr

Published on board the The most important dispatches "STPAUL." at Sea, en route for England, November 15th, 1899.

One Dollar per Copy in aid of the Seamen's Fund.

One W Bradfield, Editor.

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This is the 52nd voyage eastward of the "St Paul." There are 375 passengers on board, counting the distinguished and extinguished The days' runs have been as follows ;—

431

97 miles to Needles at 12

1.50 p m. . . . — . First Signal received, 66 miles from Needles

"Was that you "St. Paul"? 50 miles from Needles.

Hurrah! Welcome Home! Where are 2-50

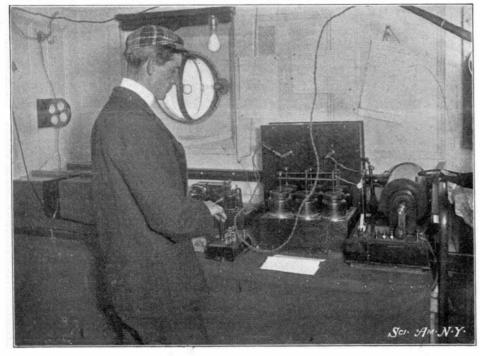
40 miles, Ladysmith, Kimberley and Mafeking holding out well. No hig battle. 15,000 men recently landed.

" At Ladysmith no more killed. bardment at Kunberley effected the destruction of ONE TIN POT. It was auctioned for £200 It is felt that period of anxiety and strain is over, and that our turn has come.

Sorry to say the U.S.A. Cruiser
Charleston " is lost. All hands saved

The thanks of the Editors are given to Captum Jamison, who grants us the privelege of this

FACSIMILE OF THE FIRST NEWSPAPER EVER PUBLISHED ABOARD SHIP CONTAINING WIRELESS NEWS FROM SHORE. MARCONI'S SIGNATURE AUTHENTICATES THE ORIGINAL.



THE MARCONI APPARATUS WITH WHICH THE NEWS FOR THE FIRST WIRELESS PAPER WAS RECEIVED.

Messages one thousand fin



THE HAND PRESS ON WHICH THE FIRST WIRELESS NEWSPAPER EVER ISSUED ON SHIPBOARD WAS PRINTED.

sheet. The paper was published on board the "St. Paul" of the American Line, at sea, en route for England, on November 15, 1899. It bears Mr. Marconi's signature.

The apparatus used for the publication of this first of wireless newspapers involved no additional expense. Indeed, the newspaper may be said to have is here presented in facsimile, and will constitute what will some day be still another relic of early wireless telegraphy.

For Americans, the most important step in the development of wireless telegraphy was the transmission from Cape Cod of President Roosevelt's greet ings to Edward VII. That message, written in the

President's own hand, has been carefully preserved. Mr. Marconi's transcript is h e r e reproduced. Other wireless curios could be pictured, almost without number. Those that have been shown, however, may be considered of most historical value.

The Mud Springs of Mendocino.

The mud springs of Mendocino County, California, are located

sixteen miles northeast of Westport on the coast. They occupy a space of 25 acres at an altitude of 1,400 feet above the sea, and number thirty or forty, with vents ranging from three feet in diameter to three inches. The water which bubbles out of the be begun this summer. The trains on the new road are to run at the rate of 110 miles an hour, and are expected to reduce the time from Liverpool to Marchester from 40 minutes to 20 minutes.

(By Marion , hansatlante Willes Elyraph)

In taking advantage of the (worderful Truth suntific research and ingenienty which has been achieved in preferting a system of which shyrefly I extend on bihalf of the hourican people wint untial greetings and good wishes to you end to all the people of the British Supire. Theodore Rossent

White Home Was 17

FACSIMILE OF MARCONI'S ORIGINAL RECORD OF THE FIRST TRANSATLANTIC MESSAGES RECEIVED ON BOARD THE "PHILADELPHIA."

been the logical outcome of wireless communication itself. News was received from shore by means of the regular working outfit of the vessel. It was set up in type, and then printed on the small hand-press with which every ship is provided for the printing of

MR. MARCONI'S TRANSCRIPT OF THE MESSAGE SENT BY PRESIDENT ROOSEVELT TO KING EDWARD VIL.