

**Extracts from Cyrus W. Field's Diary Regarding the Expedition.**

TRINITY BAY, August 7.  
The following are extracts from the journal of Mr. Field, in relation to the Atlantic Telegraph Expedition:

TUESDAY, July 29.—Latitude 35° 59' N., longitude 32° 27' W.—Telegraph cable in sight; sea smooth, light wind from S. E. to S. S. E.; cloudy. Spoke made at midday; cable paid out over the distance run; one hundred and twenty-five fathoms; depth of water fifteen fathoms, or less than six fathoms.

Arrived to the entrance of Valencia Harbour, one hundred and thirteen nautical miles, and from there to the Telegraph House; the shore end of the cable is laid.

Arrived to the entrance of Trinity Bay, one hundred and eight and twenty nautical miles, and from there to the Telegraph House, at head of Bay of Ball's Arm, forty miles, making in all eight hundred and eighty two nautical miles.

The Niagara has sixty-nine miles further to reach the Agassiz.

The Niagara and Agassiz now have each about doubled nautical miles of cable on board; about the same quantity as last year.

At 2:45 p. m., ship's time, or 10:5 p. m., Greenwich time, signal from the Agassiz was made, and the news applied by the steamer showed that there was a want of electricity on the cable, but that the insulation was perfect. Kept on paying out from the Niagara very slow and was soon again applying all kinds of electrical tests.

At 9:10 p. m., ship's time, received a signal from the Agassiz that she was in water of two hundred fathoms, and informed the Agassiz of the same.

WEDNESDAY, August 4.—Lat. 41° 47' N., long. 22° 43' W.—Distance run by observation, one hundred and forty-five miles. Paid out one hundred and fifty-four miles, one hundred and sixty fathoms of the cable, or a surplus of eight miles three hundred and forty fathoms over the distance run—equal to 10 per cent. Depth of water less than two hundred fathoms. Weather beautiful and perfectly calm.

The Gorgon in sight; the distance run by observation—equal to forty-eight per cent.

Passed this morning several leasers.

Made the land off the entrance of Trinity Bay at 8 p. m.—entered Trinity Bay at 12:30 p. m.

At 2:20 p. m., ship's time, stopped sending signals to the Agassiz for the purpose of making a splice, and at 2:40 p. m., ship's time, commenced sending signals again to the Agassiz. At 8 p. m., saw Mr. Hopper's steamer Patriotic, ready to go. At 11:30 p. m., Capt. Dixie of the Patriotic, came ashore to the Niagara to pilot us to anchor near the Telegraph House.

THURSDAY, August 5.—At 1:15 a. m., the Niagara descended. Distance run since yesterday, forty-four miles. Amount of cable paid out, one hundred and twenty miles; paid out one hundred and thirty-three miles of the cable, or a surplus of two miles eight hundred and fifty fathoms over the distance run by observation—equal to thirteen per cent. Depth of water less than two hundred and fifty-seven miles, or less than two hundred and fifty miles of the cable.

At 2:15 a. m., passed out from the Niagara, and from the Telegraph House at head of Ball's Arm, Trinity Bay.

At 2:30 a. m., received signals from the Agassiz that they had paid out one hundred and fifty miles of the cable.

Passed this morning several leasers.

Made the land off the entrance of Trinity Bay at 8 p. m.—entered Trinity Bay at 12:30 p. m.

At 2:20 p. m., ship's time, stopped sending signals to the Agassiz for the purpose of making a splice, and at 2:40 p. m., ship's time, commenced sending signals again to the Agassiz. At 8 p. m., saw Mr. Hopper's steamer Patriotic ready to go.

At 11:30 p. m., Capt. Dixie of the Patriotic, came ashore to the Niagara to pilot us to anchor near the Telegraph House.

FRIDAY, August 6.—Lat. 41° 35' N., long. 22° 45' W.—Distance run by observation, one hundred and four hours, one hundred and ten miles. Paid out one hundred and nine miles eight hundred and fifty fathoms of the cable, or a surplus of two miles eight hundred and fifty fathoms over the distance run by observation—equal to thirteen per cent. Depth of water less than two hundred and fifty-seven miles, or less than two hundred and fifty miles of the cable.

At 2:15 a. m., the Niagara descended. Distance run since yesterday, forty-four miles. Amount of cable paid out, one hundred and twenty miles; paid out one hundred and thirty-three miles of the cable, or a surplus of two miles eight hundred and fifty fathoms over the distance run by observation—equal to thirteen per cent. Depth of water less than two hundred and fifty-seven miles, or less than two hundred and fifty miles of the cable.

At 2:30 a. m., received signals from the Agassiz that they had paid out one hundred and ten miles of the cable.

Passed this morning several leasers.

At 2:45 a. m., ship's time, or 10:5 p. m., Greenwich time, signal from the Agassiz was made, and the news applied by the steamer showed that there was a want of electricity on the cable, but that the insulation was perfect. Kept on paying out from the Niagara very slow and was soon again applying all kinds of electrical tests.

At 9:10 p. m., ship's time, received a signal from the Agassiz that she was in water of two hundred fathoms, and informed the Agassiz of the same.

SATURDAY, August 7.—Lat. 41° 35' N., long. 22° 45' W.—Distance run by observation, one hundred and four hours, one hundred and ten miles. Paid out one hundred and nine miles eight hundred and fifty fathoms of the cable, or a surplus of two miles eight hundred and fifty fathoms over the distance run by observation—equal to thirteen per cent. Depth of water less than two hundred and fifty-seven miles, or less than two hundred and fifty miles of the cable.

At 2:15 a. m., the Niagara descended. Distance run since yesterday, forty-four miles. Amount of cable paid out, one hundred and ten miles; paid out one hundred and thirty-three miles of the cable, or a surplus of two miles eight hundred and fifty fathoms over the distance run by observation—equal to thirteen per cent. Depth of water less than two hundred and fifty-seven miles, or less than two hundred and fifty miles of the cable.

At 2:30 a. m., received signals from the Agassiz that they had paid out one hundred and ten miles of the cable.

Passed this morning several leasers.

At 2:45 a. m., ship's time, or 10:5 p. m., Greenwich time, signal from the Agassiz was made, and the news applied by the steamer showed that there was a want of electricity on the cable, but that the insulation was perfect. Kept on paying out from the Niagara very slow and was soon again applying all kinds of electrical tests.

At 9:10 p. m., ship's time, received a signal from the Agassiz that she was in water of two hundred fathoms, and informed the Agassiz of the same.

SUNDAY, August 8.—Lat. 41° 35' N., long. 22° 45' W.—Distance run by observation, one hundred and four hours, one hundred and ten miles. Paid out one hundred and nine miles, sixty-one fathoms of the cable, or a surplus of fourteen miles six

hundred and thirteen fathoms over the distance run—equal to ten per cent. Depth of water seven hundred and forty-two to eight hundred and twenty-seven fathoms. Wind N. W. Weather very pleasant—The Gorgon in sight.

Total amount of cable paid out, seven hundred and ninety-five miles three hundred fathoms. Total distance run by observation, one hundred and seventy-two miles. Total surplus cable paid out over the distance run, one hundred and three hundred fathoms—less than nineteen per cent. Two hundred and ten miles from the Telegraph House.

At 2:15 a. m., finished paying out the cable from the hold, and commenced paying out from the wardroom coil—three hundred and five miles of the cable remaining on board.

At 3:15 a. m., ship's time, received a signal from on board the Agassiz that they had paid out from her, seven hundred and eighty miles of the cable. During the afternoon and evening passed several messages.

At 9:10 p. m., ship's time, received a signal from the Agassiz that she was in water of two hundred fathoms, and informed the Agassiz of the same.

MONDAY, August 9.—Lat. 41° 47' N., long. 22° 43' W.—Distance run by observation, one hundred and forty-five miles. Paid out one hundred and fifty-four miles, one hundred and sixty fathoms of the cable, or a surplus of eight miles three hundred and forty fathoms over the distance run—equal to 10 per cent. Depth of water less than two hundred fathoms. Weather beautiful and perfectly calm.

The Gorgon in sight; the distance run by observation—equal to forty-eight per cent.

Paid out one hundred and fifty miles of the cable.

At 2:15 a. m., finished the main deck pay out, and commenced paying out from the port deck.

At 3:15 a. m., ship's time, stepped sending signals to the Agassiz for the purpose of making a splice, and at 2:40 p. m., ship's time, commenced sending signals again to the Agassiz. At 8 p. m., saw Mr. Hopper's steamer Patriotic ready to go.

At 11:30 p. m., Capt. Dixie of the Patriotic, came ashore to the Niagara to pilot us to anchor near the Telegraph House.

TUESDAY, August 10.—At 1:15 a. m., the Niagara descended. Distance run since yesterday, forty-four miles. Amount of cable paid out, one hundred and twenty miles; paid out one hundred and thirty-three miles of the cable, or a surplus of two miles eight hundred and fifty fathoms over the distance run by observation—equal to thirteen per cent. Depth of water less than two hundred and fifty-seven miles, or less than two hundred and fifty miles of the cable.

At 2:15 a. m., passed out from the Niagara, and from the Telegraph House at head of Ball's Arm, Trinity Bay.

At 2:30 a. m., received signals from the Agassiz that they had paid out one hundred and fifty miles of the cable.

Passed this morning several leasers.

Made the land off the entrance of Trinity Bay at 8 p. m.—entered Trinity Bay at 12:30 p. m.

At 2:20 p. m., ship's time, stopped sending signals to the Agassiz for the purpose of making a splice, and at 2:40 p. m., ship's time, commenced sending signals again to the Agassiz. At 8 p. m., saw Mr. Hopper's steamer Patriotic ready to go.

At 11:30 p. m., Capt. Dixie of the Patriotic, came ashore to the Niagara to pilot us to anchor near the Telegraph House.

WEDNESDAY, August 11.—Lat. 41° 35' N., long. 22° 45' W.—Distance run by observation, one hundred and four hours, one hundred and ten miles. Paid out one hundred and nine miles eight hundred and fifty fathoms of the cable, or a surplus of two miles eight hundred and fifty fathoms over the distance run by observation—equal to thirteen per cent. Depth of water less than two hundred and fifty-seven miles, or less than two hundred and fifty miles of the cable.

At 2:15 a. m., the Niagara descended. Distance run since yesterday, forty-four miles. Amount of cable paid out, one hundred and ten miles; paid out one hundred and thirty-three miles of the cable, or a surplus of two miles eight hundred and fifty fathoms over the distance run by observation—equal to thirteen per cent. Depth of water less than two hundred and fifty-seven miles, or less than two hundred and fifty miles of the cable.

At 2:30 a. m., received signals from the Agassiz that they had paid out one hundred and ten miles of the cable.

Passed this morning several leasers.

At 2:45 a. m., ship's time, or 10:5 p. m., Greenwich time, signal from the Agassiz was made, and the news applied by the steamer showed that there was a want of electricity on the cable, but that the insulation was perfect. Kept on paying out from the Niagara very slow and was soon again applying all kinds of electrical tests.

At 9:10 p. m., ship's time, received a signal from the Agassiz that she was in water of two hundred fathoms, and informed the Agassiz of the same.

THURSDAY, August 12.—Lat. 41° 35' N., long. 22° 45' W.—Distance run by observation, one hundred and four hours, one hundred and ten miles. Paid out one hundred and nine miles, sixty-one fathoms of the cable, or a surplus of fourteen miles six

hundred and thirteen fathoms over the distance run by observation—equal to ten per cent. Depth of water seven hundred and forty-two to eight hundred and twenty-seven fathoms. Wind N. W. Weather very pleasant—The Gorgon in sight.

Total amount of cable paid out, seven hundred and ninety-five miles three hundred fathoms. Total distance run by observation, one hundred and seventy-two miles. Total surplus cable paid out over the distance run, one hundred and three hundred fathoms—less than nineteen per cent. Two hundred and ten miles from the Telegraph House.

At 2:15 a. m., finished paying out the cable from the hold, and commenced paying out from the wardroom coil—three hundred and five miles of the cable remaining on board.

At 3:15 a. m., ship's time, received a signal from on board the Agassiz that they had paid out from her, seven hundred and eighty miles of the cable. During the afternoon and evening passed several messages.

At 9:10 p. m., ship's time, received a signal from the Agassiz that she was in water of two hundred fathoms, and informed the Agassiz of the same.

FRIDAY, August 13.—Lat. 41° 35' N., long. 22° 45' W.—Distance run by observation, one hundred and four hours, one hundred and ten miles. Paid out one hundred and nine miles, sixty-one fathoms of the cable, or a surplus of fourteen miles six

hundred and thirteen fathoms over the distance run by observation—equal to ten per cent. Depth of water seven hundred and forty-two to eight hundred and twenty-seven fathoms. Wind N. W. Weather very pleasant—The Gorgon in sight.

Total amount of cable paid out, seven hundred and ninety-five miles three hundred fathoms. Total distance run by observation, one hundred and seventy-two miles. Total surplus cable paid out over the distance run, one hundred and three hundred fathoms—less than nineteen per cent. Two hundred and ten miles from the Telegraph House.

At 2:15 a. m., finished the main deck pay out, and commenced paying out from the port deck.

At 3:15 a. m., ship's time, stepped sending signals to the Agassiz for the purpose of making a splice, and at 2:40 p. m., ship's time, commenced sending signals again to the Agassiz. At 8 p. m., saw Mr. Hopper's steamer Patriotic ready to go.

At 11:30 p. m., Capt. Dixie of the Patriotic, came ashore to the Niagara to pilot us to anchor near the Telegraph House.

SATURDAY, August 14.—Lat. 41° 35' N., long. 22° 45' W.—Distance run by observation, one hundred and four hours, one hundred and ten miles. Paid out one hundred and nine miles, sixty-one fathoms of the cable, or a surplus of fourteen miles six

hundred and thirteen fathoms over the distance run by observation—equal to ten per cent. Depth of water seven hundred and forty-two to eight hundred and twenty-seven fathoms. Wind N. W. Weather very pleasant—The Gorgon in sight.

Total amount of cable paid out, seven hundred and ninety-five miles three hundred fathoms. Total distance run by observation, one hundred and seventy-two miles. Total surplus cable paid out over the distance run, one hundred and three hundred fathoms—less than nineteen per cent. Two hundred and ten miles from the Telegraph House.

At 2:15 a. m., finished paying out the cable from the hold, and commenced paying out from the wardroom coil—three hundred and five miles of the cable remaining on board.

At 3:15 a. m., ship's time, received a signal from on board the Agassiz that they had paid out from her, seven hundred and eighty miles of the cable. During the afternoon and evening passed several messages.

At 9:10 p. m., ship's time, received a signal from the Agassiz that she was in water of two hundred fathoms, and informed the Agassiz of the same.

SUNDAY, August 15.—Lat. 41° 35' N., long. 22° 45' W.—Distance run by observation, one hundred and four hours, one hundred and ten miles. Paid out one hundred and nine miles, sixty-one fathoms of the cable, or a surplus of fourteen miles six

hundred and thirteen fathoms over the distance run by observation—equal to ten per cent. Depth of water seven hundred and forty-two to eight hundred and twenty-seven fathoms. Wind N. W. Weather very pleasant—The Gorgon in sight.

Total amount of cable paid out, seven hundred and ninety-five miles three hundred fathoms. Total distance run by observation, one hundred and seventy-two miles. Total surplus cable paid out over the distance run, one hundred and three hundred fathoms—less than nineteen per cent. Two hundred and ten miles from the Telegraph House.

At 2:15 a. m., finished the main deck pay out, and commenced paying out from the port deck.

At 3:15 a. m., ship's time, stepped sending signals to the Agassiz for the purpose of making a splice, and at 2:40 p. m., ship's time, commenced sending signals again to the Agassiz. At 8 p. m., saw Mr. Hopper's steamer Patriotic ready to go.

At 11:30 p. m., Capt. Dixie of the Patriotic, came ashore to the Niagara to pilot us to anchor near the Telegraph House.

MONDAY, August 16.—Lat. 41° 35' N., long. 22° 45' W.—Distance run by observation, one hundred and four hours, one hundred and ten miles. Paid out one hundred and nine miles, sixty-one fathoms of the cable, or a surplus of fourteen miles six

hundred and thirteen fathoms over the distance run by observation—equal to ten per cent. Depth of water seven hundred and forty-two to eight hundred and twenty-seven fathoms. Wind N. W. Weather very pleasant—The Gorgon in sight.

Total amount of cable paid out, seven hundred and ninety-five miles three hundred fathoms. Total distance run by observation, one hundred and seventy-two miles. Total surplus cable paid out over the distance run, one hundred and three hundred fathoms—less than nineteen per cent. Two hundred and ten miles from the Telegraph House.

At 2:15 a. m., finished paying out the cable from the hold, and commenced paying out from the wardroom coil—three hundred and five miles of the cable remaining on board.

At 3:15 a. m., ship's time, received a signal from on board the Agassiz that they had paid out from her, seven hundred and eighty miles of the cable. During the afternoon and evening passed several messages.

At 9:10 p. m., ship's time, received a signal from the Agassiz that she was in water of two hundred fathoms, and informed the Agassiz of the same.

TUESDAY, August 17.—Lat. 41° 35' N., long. 22° 45' W.—Distance run by observation, one hundred and four hours, one hundred and ten miles. Paid out one hundred and nine miles, sixty-one fathoms of the cable, or a surplus of fourteen miles six