

APPENDIX No. 1

HUDSON BAY TEMPERATURES.

In accordance with the request of the committee, Dr. Bell subsequently forwarded to the chairman, who submitted it to the committee, an extract of his report published in the report of the Geological Survey of Canada for 1877-8 (page 26c) as follows:—

The following table gives the result of the above observations and also the temperature of the air at the different times at which they were made. The Fahrenheit thermometer was used, and whenever the sea happened to be calm the instrument was lowered to a depth of three or four feet below the surface:—

TEMPERATURE of the Sea, Rivers and Air along the Eastmain Coast in 1877.

	Date.	Hour.	River.	Sea.	Air in Shade.
1. Rupert's River at Rupert's House.. . . . .	July 11 . . .	10.00 A.M..	61°		48°
2. Eastman River, two miles up . . . . .	" 15 . . .	9.30 " . . .	59°		66°
3. Middle of great bay south of Cape Hope. . . . .	" 15 . . .	2.00 P.M..		59°	72°
4. Twenty-five miles north of Cape Hope. . . . .	" 16 . . .	12.30 " . . .		47°	65°
5. Eight miles south of Big River. . . . .	" 17 . . .	5.00 " . . .		47°	57°
6. Mouth of Big River. . . . .	" 17 . . .	7.00 " . . .	63°		63°
7. Twenty miles north of Big River. . . . .	" 18 . . .	4.00 " . . .		57°	62°
8. Wind-bound Point, thirty-five miles north of Big River. . . . .	" 19 . . .	2.00 " . . .		53°	70°
9. Ten miles E.N.E. of Cape Jones. . . . .	" 24 . . .	4.00 " . . .		45°	58°
10. Thirty-six miles northeastward of Cape Jones. . . . .	" 25 . . .	7.00 " . . .		52°	73°
11. Fifty-three miles north-eastward of Cape Jones. . . . .	" 26 . . .	12.30 " . . .		48°	82°
12. Black Whale Harbour. . . . .	" 26 . . .	9.00 " . . .		53°	
13. Great Whale River opposite H. B. Co.'s Post. . . . .	" 28 . . .	1.00 " . . .	68°		82°
14. Do. after two cold windy days. . . . .	" 30 . . .	9.00 " . . .	59°		48°
15. Open Sea, forty miles N. of Great Whale River. . . . .	Aug. 1 . . .	6.00 A.M..		53°	70°
16. 'Second' River at fifty-one miles north of Great Whale River. . . . .	" 2 . . .	9.00 " . . .	63°		
17. Off do. . . . .	" 2 . . .	9.15 " . . .		52°	
18. South side Richmond Gulf. . . . .	" 9 . . .	11.30 " . . .		61°	68°
19. South point Cairn Mountain Island, Richmond Gulf. . . . .	" 9 . . .	3.00 " . . .		62°	72°
20. Opposite Last or Northern Nastapoka Island. . . . .	" 16 . . .	3.00 " . . .		50°	55°
21. Land-locked Harbour. . . . .	" 17 . . .	11.30 A.M..		55°	66°
22. Southeast of Last Nastapoka Island. . . . .	" 25 . . .	12.30 P.M..		53°	65°
23. Middle of Nastapoka Sd. between N. River and Salmon Fishery Cove. . . . .	" 26 . . .	2.00 " . . .		53°	70°
24. Midway between Inlet of Richmond Gulf and Belanger's Island. . . . .	" 27 . . .	6.00 " . . .		57°	65°
25. Open Sea between Great Whale River and Manitounuck Sound. . . . .	Sept. 1 . . .	11.00 A.M..		52°	53°
26. Great Whale River, opposite H. B. Co.'s Post. . . . .	" 2 . . .	2.00 P.M..	54°		59°
27. Off Esquimaux Harbour. . . . .	" 3 . . .	1.30 " . . .		53°	56°
28. Dead Dog Cove, after three days' blow. . . . .	" 6 . . .	3.00 " . . .		51°	58°
29. Mouth of Big River, Fort George. . . . .	" 18 . . .	7.00 A.M..	59°		51°
30. Kunishoo's Bay, forty miles south of Fort George. . . . .	" 19 . . .	7.00 " . . .		50°	49°
31. Off South Point of Rupert's Bay. . . . .	" 21 . . .	7.60 " . . .		55°	50°
Average . . . . .			Of five rivers. 61°	53°	62½°