

9th SEPT - 11th OCT. 1911

E.R.G.R. Evans Sep: 1911
Depot Trip

BAE
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BRITISH ANTIQUARIAN EXHIBITION 1862
INSTRUMENTS IN USE AND THEIR CONSTRUCTION

METEOROLOGICAL OBSERVATIONS

Taken at *the house opposite the station*
on *the 1st of June 1861*
at *10 o'clock*

During 1861

By *Wm. H. W. & Co.*

Position of Station: *Lat. 51° 30' N. Long. 1° 10' W.*

Height of Barometer: *30.00* inches above Mean Sea Level

BRITISH ANTARCTIC EXPEDITION, 1910.

METEOROLOGICAL OBSERVATIONS

TAKEN AT ON

Lieut Evans September 8th 1911

During 1911

By

Position of Station: Lat. Long.

Height of Barometer Cistern above Mean Sea Level feet.

INSTRUMENTS IN USE, AND THEIR CORRECTIONS.

BAROMETER, No. 753 COMPARED WITH STANDARD at Cape Evans Sept 8. 1911

Correction required	29.500.						
Correction for gravity not applied.	0.0.	Correction applied	+0.22.				

THERMOMETERS		-77	-50	-32	-10	+10	+32		
Sling 11, Dry Bulb.	No. 91	+1.0	+0.5	+0.5	0.0	-0.5	-1.0		
Max. in Shade.	No.								
Min. in Shade.	No.								
Max. in Sun.	No.								
Min. on Snow.	No.								
	No.								
	No.								

Correction applied

> 0 -0.5

0 to -10 +0.5

< -60 +1.0

WEATHER.—Initials of the Beaufort Notation and Symbols adopted by international agreement for recording phenomena of weather.

b.	blue sky	r.	● rain.	~	glazed frost.
c.	detached clouds.	p.	passing showers.		
o.	overcast.	d.	drizzling rain.	↘	gale.
m.	≡ ^o mist.	e.	wet air without rain falling.	q.	squally.
f.	≡ fog.	s.	* snow.		
g.	gloomy.	+	snow drift.	○	solar corona.
u.	ugly, threatening.	⊠	snow lying.*	⊕	solar halo.
z.	∞ dust haze or smoke.	←	ice crystals.	☾	lunar corona.
v.	unusual visibility.	h.	▲ hail.	☾	lunar halo.
t.	⊥ thunder.	Δ	soft-hail.		
l.	< lightning.	w.	⦿ dew.	⌒	rainbow.
	⚡ thunderstorm.	x.	⌒ hoar frost.	☾	aurora.
		▼	silver-thaw. rime.		

* More than half the country in sight round the station covered with snow.

NOTE.—Do not use "h" for haze, nor "sh" for showers.

A line under an initial or the exponent "2," appended to a symbol, denotes intensity thus h or ▲² indicates heavy hail, ≡^o indicates light fog or mist.

BEAUFORT WIND SCALE.

Beaufort Number.	Description of Wind.	Equivalent velocity in miles per hour.
0	Calm.	0
1	} Light Breeze.	2
2		5
3		10
4	} Moderate Breeze.	15
5		21
6		27
7	} Strong Wind.	35
8		42
9	} Gale forces.	50
10		59
11		68
12	Hurricane.	above 75

INSTRUCTIONS.

Barometer.—The aneroid barometer should be lightly tapped before taking a reading.

Hypsometer.—Only pure water obtained from snow to be used. No water should be allowed to splash into the bulb of the thermometer during an observation.

Thermometer.—The aluminium sling thermometer should be allowed to remain in the open for at least ten minutes before a reading is taken in order that the bulb may acquire a temperature near that of the air. When an observation is to be made the thermometer should be opened and swung for a minute; the swinging must then be repeated until three readings have been obtained, each giving the same temperature. The final steady reading should then be entered in the note book.

Wind.—All wind directions must be "true" and not "magnetic."

Clouds.—The proportion of the sky covered by cloud should be indicated on a numerical scale running from 0, cloudless, to 10, completely overcast. The numbers given are to refer solely to the amount of the sky covered and not to the density, height or other quality of the cloud. Fog must be regarded as a cloud at ground level, and 10 must accordingly be entered for the amount of cloud on foggy days. If clouds can be seen through a thin mist, the amount of real cloud should be entered in the column and a note made under "Remarks."

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

The following are the chief cloud forms:

Cirrus	...	(Ci)	...	} High.
Cirro-Stratus	...	(Ci-St)	...	
Cirro-Cumulus	...	(Ci-Cu)	...	
Alto-Cumulus	...	(A-Cu)	...	
Alto-Stratus	...	(A-St)	...	} Low.
Strato-Cumulus	...	(St-Cu)	...	
Cumulus	...	(Cu)	...	
Stratus	...	(St)	...	
Nimbus	...	(Nb)	...	

Enter cloud directions as you would wind directions, *i.e.*, the direction from which they are coming.

Weather.—The Beaufort notation given on page 3 should be used.

Remarks.—Haloes and any unusual phenomena should be noted. It is also desirable that general topographical notes should be added, as for instance, "In valley running N.W.," "To-day's camp higher than yesterday's," etc.

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
1911													
Sept 9 th	4.20 PM	Lat Point	28.91			-21	NE	4	bcm	3	ci	-	-
	11.0 PM	2 1/4 miles WNW of Safety Camp	28.86			-42	ENE	4	bcm				
Sept 10 th	8.0 AM			28.95		-36.5	E	3	bcm	7	st	-	-
	3.30 PM	at Safety Camp	28.93			-41	Ely	1	bcm	7	ci-st	-	E ^d
	9.0 PM	5 ESE of	28.93			-45.2	E	1	om	10	st	-	-
Sept 11 th	7.50 AM	Safety Camp	28.83			-58.2	Calm		om	10	st	-	-
	2.0 PM	10.5 ESE	28.74			-43	Wly	3	bcm	7	ci-st	-	-
	8.45 PM	6.5 WNW	28.69			-34.5	Wly	5	6-7	10	st	-	-
Sept 12 th	10.0 AM	at Coma Camp	28.66			-19	SW	3	om	10	st	-	-
	11.0 AM						SW	6	0-1				
	8.30 P.M.	1 1/2 NNE of C. Camp	28.63			-46.5	SW	4	om	10	ci-st	SW	SW

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Particulars. (Sketches of clouds) E2.
 Thus E2.
 Minimum - 45° E2.
 { At 10 am Wind increased to force 5 with Low drift, E2.
 { At 1 pm. Calm. Sky clear to E! E2.
 { Between 2 & 3 white 4! became hidden by stratus cloud E2.
 Min Temp - 62° 3
 ci-st Clouds Radiating from SE by E E2.
 { 2.0 Wind freshened from W by S with low drift E2.
 { Pillar cumulus cloud over the bluff. E2.
 { Min Temp - 40° 11-12 Sept.
 { Blizzed Sept 11-12 throughout night, wind decreasing to force 5 at 8 am but still drifting. at 5 PM blue sky (4) vis thus
 then haze overhead.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
Sept 13	5.40 ^{am}	54° 12' N	156° 59' E	28.59		-58°	SW	2-3	bcn str	5		
		of Corner Camp										
—	Noon	Corner Camp		28.60		-34°	S	3	bcn	st	4	
	4 P.M.	—	—	28.61		-32.2	SW	5	04	st	10	
—	10.30	9.5' WNW		28.55		-42.5	Calm	0	bcn	st	5	
		of Corner Camp										
Sept 14	7.30	Hut Point		28.63		-22	SE	5-6	bcn	st	4	
—	15 9 AM	—	—	28.65		-42.5	SE	1	bcn	st	3	SE

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Minimum Temp! - 73.3° 7.30 A Series of squalls of force 5 and 6 came up from South. These only lasted a few minutes. A low mist is over the barrier and no land is visible, overhead blue sky.

At 8.0 am unable to see horizon owing to mist. None. Low fog near horizon but quite clear overhead. Snow Drifting from 12.30 till 5 P.M. when shifted to Camp. When 4 miles from Corner Camp wind dropped. Low drift. Air-Stratus radiating from SE.

See over

Comp - Mercant 29.228
 43.5 Aneroid 29.175
 at Noon. Sept 16

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
Sept 24 th	4.15 ^{pm}	Tent I ^d		29.02	-	-10	NW	3	f	10	st		NW
	9.15	—	—	28.94		-12.2	Calm		f	10	str		
-25 th	8.0 ^{am}	—	—	28.92		-7.4	NW	3	o*	10	st		
—	5.0 ^{pm}	—	—	28.93		-2.0	Calm			10	str		
—	8.15	—	—	28.92 + 4 th		X	SE	6	oX	10	st		
26 th	9.0 ^{am}	—	—	29.02		+6	SE	5-6	cg	10	st		
	4.0 ^{pm}	—	—	28.90		+5	SE	7	og	10			
	8.0	—	—	28.98		+2	SE	10	og	10			
12 midday				28.96			SE	11-12	og	10			

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Bar. No 762.

3.0^{pm} Fog rolled down from NW & obscured view.

Min Temp -12°

6.30 Squally. Wind freshening from S. { 25th

9.0 Occasional intervals of calm. 10.0 Blyssand

26th 9 am To the NW is a patch of thin cirrus which

which blue sky can be seen.

At 4 pm. Squally and heavy drift. Sky not visible. 19

8 pm Very heavy drift.

12 midday Very heavy drift. In the squalls the

wind was of strength 11-12. No change seen.

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.		
		Lat.	Long.							Amount	Kind	Direction from upper lower
Oct 3 rd	8 am	Innes Hd		28.96	-	+3.5	SW	5	og X	10	str	-
	3.0	---		28.82		+7	SW	4-6	big	5	cu-cum ci str	SW
	8.0	---		28.80		+3.6	S	6	og X	10	cu-st ci	- S
Oct 4 th	7.30	---		28.78		-3.5	I-Varians		bc	4	str cu-st ci	
	9.15	Glacier Tongue		28.74		-6.5	SE	4	bc	8	ci	SE SE
Oct 5 th	8.30	---		28.72		+1.0	SE	5-6	c	10	ci-st	
	noon	---		28.67		+4.0	ESE	5-6	big X	9	str ci-st	WSW
Oct 6 th	5 PM	SE end of		28.45		-9.5	SSE	5	of X	10	str ci-st	
		Glacier Tongue		28.47		-14.2	E	2	bc	6	str	
Oct 7 th	7 AM	---		28.53		-16	Ely	5	bc X	3	ci str	
	2 PM	---		28.53		-16	Ely	5	bc X	3	str	
	6 PM	---		28.60		-19	Ely	5	bc X	1	cirrus	

BRITISH ANTARCTIC EXPEDITION, 1910.

OBSERVER'S
INITIALS.

REMARKS.

Squalls of fine > 8 & 9 throughout night
Wind frequently changing in direction
Blue sky occasionally visible in patches
Min Temp - 5° The sky appears to be covered with thin cirrus
Missed Noon & 8 P.M. observations as everybody in camp
Min Temp - 9.5° Blue sky & is thin thin cirrus
At 3 P.M. Wind was ENE Temp. + 2°
Min Temp - 15.4° A great deal of drift during the night
At 7.30 wind freshened from SE with drift. 4 P.M. wind fell light 5.30 in to force

DAY.	HOUR	POSITION.		Bar	Hyps-omet-er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
Oct 8 th	6.30	SE pt of		28.73			E by S	5	bc X	3	cu		
	4.30	Turtle Rock		28.85		0	Calm	0	bc	2	cu	SSE	
	8.0	Turtle Rock		28.80		-22	Calm	0	bc	6	cu	SE	SE
9 th	8.0	—		28.64		-11.5	SSE	4	bc	9	st		
	2.0	Point		28.58		-3.0	SE	4	o*	10	st		
	4.0	—		28.66		-6	SE	5	o X *	10	st		
	8.0	—		28.60		-11	SE	5	o X	10	st		
Oct 10 th	8.20	—		28.82	-17 ¹ / ₂	-27	ESE	7	bc X	6	cu		
	Noon	—		28.82		-14	E by N	5	bc X	9	st cum cu		
	4 P.M.	—		28.81		-9	ESE	5	o	10	st		
	8 P.M.	—		28.81		-9	ESE	5	o	10	st		

BRITISH ANTARCTIC EXPEDITION, 1910.												OBSERVER'S INITIALS.	
REMARKS.													
Min Temp -25°												EJ	
Very heavy drift.												EJ	
Min Temp. -27.4°												EJ	
A small patch of cumulus cloud NW by N												EJ	
Sky truly overcast. White Island is now visible.												EJ	
"Tablecloth" on bluff.												EJ	

DAY.	HOUR	POSITION.		Bar	Hyps- omet- er	Dry Bulb	Wind Dir. True	Wind Force	Weather	CLOUD.			
		Lat.	Long.							Amount	Kind	Direction from	
												upper	lower
Oct 1 st	7.45			28.82		-16°	NW	2	bc	8	st		
	8 PM.			28.87		-13°	ESE	5	oX	10	st		
						Oct 1 st	an	762	Amovoid				
						Bar	29.72		at C. Evans.				
						Standard	29.748						
						Bar	53						

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.

Min Temp -16.6°

82
8.8.

[illegible]

BRITISH ANTARCTIC EXPEDITION, 1910.

REMARKS.

OBSERVER'S
INITIALS.

1. Δ Vane Hill, E. V.W. Base given EW find EV
2. — Inaccessible Δ , E.B. Δ Vane Hill Δ find IV
3. — Inaccess. Δ Vane Hill Δ L.B. Δ find YR
4. — Tent. Vane Hill Little Δ find TV
5. — " " T.H. Δ find Tusk H. — Tent Δ
6. — T.H. Tent. Tusk H. find Tent — Tusk H. Bank



