

Dear Sir William Dawson

I was testing some barometers the day Dr Harington went to Metis and took the liberty of putting your Ross anemid with the others, as I thought you might like to have a table of corrections for it.

I found your instrument an admirable one, with unusually small error and that very uniform both with falling & rising pressure.

Between twenty five & thirty readings were made but they were so even that I have tabulated the corrections for single inches using the average of all intermediate readings in each case.

The standard used was the Mercurial barometer of the Gill Godetic

laboratory - a fine instrument very exact, and all ordinary corrections for temperature etc were used.

Practically speaking your instrument has a uniform error of $1/10$ inch - its reading being too low.

With the hope that you are having a very comfortable summer, and with most sincere regard to Lady Dawson and yourself
I am,

Very truly yours

John Bonsall Porter

Montreal

16th July 97.

Dr W. Dawson
Rue des Sciences
Montreal - June 97
by standard instrument - corrected for T
Reading of - Correcting of
True Barometer - Corrected -
29.5 --- +.08 --- 29.58
28.5 --- +.02 --- 28.52
27.5 --- +.08 --- 27.58
26.5 --- +.10 --- 26.60
25.5 --- +.10 --- 25.60
24.5 --- +.20 --- 24.70
Appropriate accuracy can be had from 30.5 down to 25.5 by adding .10 to reading

Peter
Re Meroud
Aug/97

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