

## ***Interactive comment on “A short history of ocean acidification science in the 20th century: a chemist’s view” by P. G. Brewer***

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This manuscript reads very well and give an exciting presentation of the history of the development of the study of the marine carbon system with an Ocean Acidification touch. I only have a few minor comments that the author should consider for the final version.

Line 18 on page 8717. I suggest to write out partial pressure of  $H_2$ , instead of  $pH_2$  as this can be confusing to a non-expert in this paper dealing with pH (minus logarithm of  $H^+$ ).

Equation (1) same page. The give the temperature that is used to get the constant 0.0577.

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Line 22 same page. The standard temperature is in Kelvin, not degrees Kelvin. So delete degrees.

In the citation of Clark on the same page and next it is written [H+] without the plus being superscript. Maybe this is how it is written in the original text, or?

Line 9 on page 8728. Should be "that proved to be powerful."

Line 27 same page. It is stated that the precision in pH with the spectrophotometric techniques are  $\pm 0.001$  and that the earlier techniques had 100 times lower precision. I don't agree that the potentiometric method had a precision that was only 0.1 pH units. Accuracy could have been that bad but not the precision.

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Interactive comment on Biogeosciences Discuss., 10, 8715, 2013.

**BGD**

10, C2512–C2513, 2013

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