



From the new value of  $\Delta G_{\text{hydr. H}^-}^0$  and the value of the standard real free enthalpy of hydration of the hydrogen ion<sup>3</sup> also a new value of the surface potential of water  $\chi_{\text{H}_2\text{O}}$  is found (Table 1). The values of  $\Delta S_{\text{hydr. H}^-}^0$  and  $\Delta c_{\text{p. hydr. H}^-}^0$  are not affected by the value of the ionization potential of ferrocene.

#### *Acknowledgement*

This investigation was carried out under the auspices of the Netherlands Foundation for Chemical Research (S.O.N.) and with financial aid from the Netherlands Organization for Advancement of Pure Research (Z.W.O.).

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