day to day variations and the variations over the disk of the planet of the equivalent widths must be associated with the dynamical properties of the Venus atmosphere. The variations that we have observed from the weak bands near superior conjunction may be associated with the motions of the troposphere[7,17]. Those variations in the equivalent widths for observations at large phase angles refer to pressure levels in the stratosphere, and therefore may be related to the 4 day rotation that has been observed[7,17]. Spectroscopic observations can, however, only provide information on the variation of the effective pressure at the level of line formation at various positions on the planet. This must be related to the dynamics of the atmosphere, but its precise meaning in terms of the variation of the structure of the Venusian cloud layers remains unresolved at present.

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Reinterpretation of Deep Ice Temperatures

WE would like to point out some inaccuracies in a report by Budd, Jenssen and Radok[1]. First, the central idea in the articles by Dansgaard and Johnsen[2] was to point out that agreement between the measured and calculated temperature profiles at Camp Century, Greenland, could be obtained without assuming "a little more than half that currently observed". They used the appropriate value of 0.35 m of ice per year (ref. 3) for all the calculations[4]. Furthermore, Budd, Jenssen and Radok quote Langway[5] as performing an isotope analysis for "an earlier Camp Century core", whereas in fact this analysis was performed on a core from Site 2, Greenland. Finally, their extrapolation of the measured temperature profile to the surface is only one of many possible solutions to the problem. It implies a shift to higher temperatures rather than a more appropriate oscillating surface temperature[6] and is therefore hardly valid.

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