

CORRESPONDENCE

The Editor,

Journal of Glaciology

SIR, *Ice segregation as an origin for lenses of non-glacial ice in "ice-cemented" rock glaciers*

The unfortunate omission of two references that should have been utilized and cited in my short note on ice segregation as an origin for lenses of ice in rock glaciers (Wayne, 1981) has recently been called to my attention. At the time the paper was written (January and February 1980), I was working in Argentina, and I utilized in its preparation my own observations there and the literature that was then available to me. Prior to undertaking my research in Argentina (Wayne, 1981), I had accompanied Shroder and Giardino (1978) in the field as well as serving as a member of Giardino's (unpublished) dissertation committee. In their presentations they suggested that water under pressure beneath ice in "ice-cemented" rock glaciers was in part contributory to rock-glacier motion. In particular, Giardino (unpublished) included calculations to show that water could exist in a fluid state beneath ice in a rock glacier.

Our ideas are not identical, in that Giardino and Shroder discussed the role of hydrostatic pressure in basal slip movement, and I applied it to the growth of ice lenses within the debris mass, based on the work of Mackay (1973). Nevertheless, a significant part of our concept is similar, so that I was remiss in having failed to acknowledge their prior work. It is indeed unfortunate that I did not have their papers accessible, and their presentations had slipped my mind. I would like to rectify that error by crediting them at this time for the concept that liquid water under pressure may exist below permafrost in "ice-cemented" rock glaciers.

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21 February 1983*

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REFERENCES

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- Wayne, W. J. 1981. Ice segregation as an origin for lenses of non-glacial ice in "ice-cemented" rock glaciers. *Journal of Glaciology*, Vol. 27, No. 97, p. 506-10.