

Reply to S. C. Mehrotra

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I am indebted to Dr Mehrotra for pointing out a possible misunderstanding in my paper (Long, 1974). I did not mean to infer that hydraulic drops were a special, perhaps unattainable, phenomena in a two-fluid system. In fact I reported the existence of these in the laboratory long ago (Long, 1954). I meant only

that the hydraulic drop occurring in my theory for a deep, lower fluid did not occur in the experiment and that two different theories may be required to forecast upstream developments with an obstacle at the bottom when the lower fluid is deep and when it is shallow.

REFERENCES

Long, R. R. 1954. Some aspects of the flow of stratified fluids. II. Experiments with a two-fluid system. *Tellus* 6, 97–115.