

MORE POINTS

(added to your exam score, as a mere one amidst endless treasure to flow from yet again a single metaphysical point), aka:

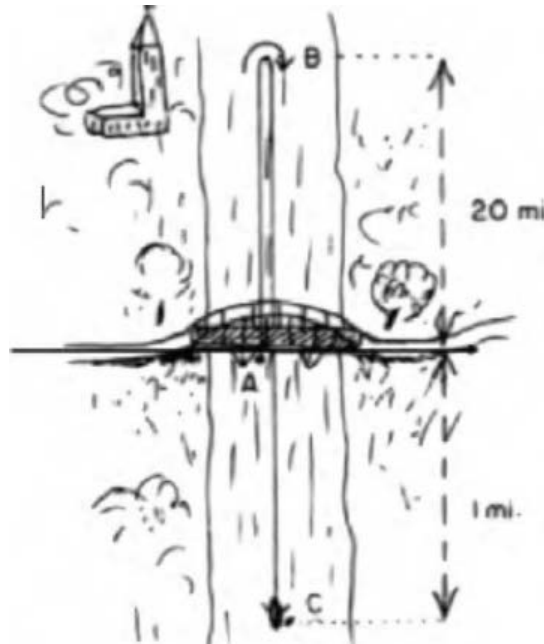
'WITHOUT A PADDLE'

How to tell the difference between Galileo's *Principle of Relativity* (c: 1632) and toxic sewage.*

A man in a boat travels along a river. The river has a 'current': Water flows past the shore at a constant speed. The man travels 'upstream': against the current.

Relative to water, the boat speed is constant (fig. below). There is a whiskey bottle on the boat. At the instant the boat passes under a bridge, the bottle falls into the water.

For 20 minutes, the boat continues upstream at the constant speed. Carried by the current, the bottle floats downstream. At the end of 20 minutes, the man reverses the boat (smoothly and quickly; a negligible time interval elapses during turnaround).



The man heads downstream. Relative to water, the boat speed remains constant. In Fact, relative to water, the downstream boat speed is precisely the same constant as it was upstream.

A MILE below the bridge, the boat picks up the bottle.

THE QUESTION IS:

*Relative to shore,
what is the speed at which this water flows
(i.e.: how fast is the 'current')?*