



As can be seen, the car velocity  $v$  only affects the distance in frame  $x$  traveled by the light and not its velocity  $C$ . Thus the speed of light is said to be constant and not affected by relative velocity  $v$ .

The real adjusted speed of light is  $C + V$ . Relative velocity  $v$  is not real because it is canceled by  $v dt + (C + V)t - v dt = (C + V)t$  above. However, the relative velocity  $v$  DOES cause a blue shift because the distance traveled by the light keeps getting smaller as the car moves to the right and thus squashes the observed wave length.

The red or blue shifts observed at a destination have different observed frequencies and observed relative velocity such that wave length remains unchanged according to  $\lambda = \text{relative } c' / (\text{relative } f)$ .

Thus, by itself, the relative velocity  $C + v$  will cause a blue shift.  $f = C/\lambda$ , so that observed  $f(2) = (C + v)/\lambda$  and wave length remains unchanged according to  $\lambda = \text{relative } c' / (\text{relative } f)$ .

Also, by itself, the aether velocity  $V$  will cause another blue shift.  $f = C/\lambda$ , so that observed  $f(2) = (C + V)/\lambda$  and wave length remains unchanged according to  $\lambda = (C + V)/f(2)$ .

The "phantom" relative velocity of light  $C + v$  is just an observed blue shift phenomena that has nothing to do with the actual velocity of light  $C + V$  (above) relative to the observer. Dr. Einstein made the monumental compound error of neglecting  $V$  and using  $c = c + v = c'$ , and then he directly and incorrectly derived all his Special Relativity formulas starting with time dilation and ending with  $E = mc^2$ . See [www.k1man.com.c1](http://www.k1man.com.c1)

Pretty simple, really.

## CLOSED TRAIN CAR

Assume the train car in the above thought experiment setting is closed, contains air, and is pressurized. Then the speed of light relative to the air would be "controlled" by the equivalent index of refraction of the air which would probably incorporate within it the index of refraction of the aether. Thus the movement of the aether by itself would not have a Fizeau "drag" effect on the light. The aether is "dragged" along with the air. This would be analogous to light in a piece of glass which itself is moving through air not being affected by the index of refraction of the air or the index of refraction of the aether.

Aether moving to right at  $V$  with respect to frame  $x >$



Coleman[3]. Mr. Baxter has been doing research in relativity and physics ever since and is currently Executive Director of the Belgrade Lakes Institute for Advanced Research. His current interests include physics, philosophy, and theology.



Glenn A. Baxter, P.E., at his home in Belgrade Lakes, Maine U.S.A.

See [www.k1man.com/g](http://www.k1man.com/g)



Glenn A. Baxter, P.E., age 4, with his dad, Frank H. Baxter (Bachelor of Science Degree, Mechanical Engineering, 1914, Rhode Island State College), and President of Frank H. Baxter Associates, 370 Lexington Avenue, New York City. See [www.k1man.com/fhb](http://www.k1man.com/fhb) and also [www.k1man.com/w10](http://www.k1man.com/w10) and [www.k1man.com/Loons](http://www.k1man.com/Loons)