COMMENT ON MORALES' PAPER ON GRAVITATIONAL RED AND BLUE SHIFTING

by: The Editor.

Morales here suggests that gravitational action is the cause of red shifting of solar light. His discussions are not unreasonable if one assumes a gravitational interaction with light.

If Morales is referring to Eddington's attempt at proving that a stellar ray is bent on grazing the Sun's limb, the data Eddington obtained was questionable. The whole matter was politically influenced to the point of contrivance of the results by the faction of the scientific community that was trying to put over the relativistic principle in the early part of this century. The whole matter is quite unreliable.

We add that Eddington's claims that the refractive effect of the Sun's not inconsiderable atmosphere was taken into account, is the nearest simulation to a lie that this writer has encountered over his entire lifetime. Moreover, the comparison with this so-called Newtonian effect on the bending of light was based improperly on a bare corpuscular model as if light were made up of massed particles. The classically accepted theory of light had long since abandoned the corpuscular concept and gone over to a wave principle in a hypothetical aether. Finally, no allowance was made for either of these things as possibly accounting for some part of the claimed bending of stellar rays but the whole effect was attributed to relativism. This whole business smells so badly that reputable science should leave the matter well enough alone.

It seems Morales is unacquainted with the Pound-Rebka experiment [1]; at least he does not refer to it here. It is pertinent to his discussion.

Reference

[1] Pound, R. V. & Rebka Jr., G. A. : Apparent Weight of Photons, Phys. Rev. Lett., V. 4, pp. 337-41 (1960).