

with so large a proportional aperture, the glasses must have been with very little unless Hall had devised some means for correcting spherical as well as chrom. aberr. -

Another thing I wished to ask is, Why it is assumed that the undulations of light are in a plane at right angles to the line of sight? Perhaps however I should <sup>not</sup> have V&S enough to comprehend this - and supposing this to be accounted for, whether there is any <sup>necessary</sup> relation between the plane of these undulations & the direction normal to it, ~~through~~ along which they are transmitted. -

As to the failure of reflectors in photography, I have <sup>little</sup> ~~no~~ doubt that ~~it~~ it may be easily accounted for by the non-reflection by silver of the blue light - & perhaps an examination of the quality of the light transmitted by silver (no difficult matter) would prove the point. With

could do this well, & I will let him know about it. \*

I have picked up another ruby star in Cys: but only about 9.7 mag.

\* An equal quantity, & possibly the same quantity, of blue light is "outstanding" in achromatics - which must therefore as you know have a special non-astronomical correction to make them work well photographically.

Ever dearth Arthur  
yours very affectionately,  
J. W. Webb