

CARNEGIE INSTITUTION OF WASHINGTON
MOUNT WILSON OBSERVATORY
PASADENA, CALIFORNIA

January 9, 1939

Grote Reber
212 West Seminary Avenue
Wheaton, Illinois

Dear Mr. Reber:

I am glad to hear of your interest in the interpretation of red shifts. Your remarks indicate that you fully understand that the assumption that the red shifts are introduced between the nebulae and the observer is one of two parallel working hypotheses. As an observer, my hope is to find ways and means to fully establish one or the other on empirical evidence. Meanwhile, I have no clear picture of how energy lost in transmission might manifest itself, and would be very interested in any ideas that occur to you.

Readable spectra have not yet been obtained in the Hydra cluster. The 100-inch is the only instrument with which the problem can be tackled, and further attempts have been deferred until completion of an improved spectrograph.

Sincerely yours,

Edwin Hubble

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