Cambridge, Mass.
June 11th, 1860

Gentlemen,

By virtue of authority from the Hon. Isaac C. Simpson, Secretary of the Navy, transmitted to me through Captain Duncan S. Ingraham, U. S. N., Chief of the Bureau of Ordnance & Hydrometry, &c., I hereby direct you to proceed to Cumberland House, one of the stations of the Honourable Hudson's Bay Company, British America, for the purpose of making, in its vicinity and on the central line of shadow, observations upon the eclipse of the Sun of the 18th of July of this year.

I transmit to you in company with these instructions a letter addressed to me by His Excellency Sir George Simpson, Governor of the Hudson's Bay Company, furnishing permission for your entrance into the Company's Territory, and securing to you, while there, the friendly assistance of the Company's Agent.

Out recent and frequent conversations on the subject of this eclipse, and your previous preparation for the event by reading and otherwise, render it unnecessary that I should enter here into the details of the observations to be made. I have called your special attention, first, to the bulging prominences, or sun colored phenomena, seen at the time of total obscuration, in order that you may assist if possible,
in determining the question of their origin. And for the purpose of laying down their position approximatively I recommend to you to apply the graduated Carl of Mr. Dawes. Second to the use of the polariscope, in the manner recommended by Arago; and third, to the careful examination during the period of darkness of the regions bordering on the Sun for the possible discovery of interplanetary planets.

To facilitate this last object I have supplied you with a map of that part of the heavens in order that an inferior object may be readily distinguished. And I wish the gentleman who selects this special field of observation to comply carefully with the recommendation of M. Pape, contained in his remarks on the letter of M. Le Terrier upon the theory of Mercury.

Your journey to Fort Garry is by established routes of travel and therefore attended with no difficulty. At Fort Garry you will receive the kind assistance of Mr. MacLavish in making the necessary preparations for crossing Lake Winnipeg, and ascending the Saskatchewan. I wish you from this point to include your companion Mr. Scudder in your arrangements, who in return has offered
My dear Mr. Horrocks,

I am most grateful for your kind letter of the 16th inst. which I have read with the greatest interest. You will understand that I am in a very difficult position, but I shall do my best to assist you in any way I can. Please let me know immediately if there is any change of plans. I am sure that your visit will be of great benefit to me.

I remain,

Yours sincerely,

[Signature]
To

William Ferrel, A.M.

DEAR SIR:

We have the honor to inform you that you were this day elected an ASSOCIATE FELLOW of the American Academy of Arts and Sciences.

Charles Francis Adams
President.

Josiah P. Cooke
Corresponding Secretary.