Dear Sir,

London, April 12th, 1825

I had the honor to receive your communication relative to the arrival and erection of Fraunhofer's large telescope; which I laid before the Astronomical Society of London, which, being read at their meeting, they have directed to be printed in the ensuing volume of their memoirs. — They have unanimously voted you their thanks for the same; and I am sure they will be happy to receive from you, any further remarks on its powers & execution: or on any other subject which you may think sufficiently important to communicate.

It is a rule with the society to send 24 copies of each paper to the respective authors of the same: I have, accordingly, appropriated 24 copies of your paper to your use. — But, conceiving that you would wish to distribute some of them, in this part of the world, I presuming that I should be meeting your wishes if I undertook a portion of that task, I have sent 15 to the second names aforementioned *. The remaining 9, I have forwarded to M. Schumacher, with a request that he would take an early opportunity of forwarding them to you; unless he should think it advisable to give away any more of them to astronomers in Germany. I trust therefore that you-

will receive from him the above mentioned; of such portions of them as may remain in his hands.

Respecting the volumes of the Memoirs of the Astronomical Society, they have desired to know that every associate is entitled to a copy, gratis; and Mr. Herschel (our foreign Secretary) informs me that he forwarded you a copy some time ago, through the Russian Minister, who promised to send it carefully to you. I trust that by this time you have received it safe. Indeed, I will undertake that another copy shall be sent.

The instruments made by Fraenkel & Reichenbach are well known in this country; in fact, they are known by description only. I do not think that even one of his celebrated instruments was ever seen here. Under these circumstances, we are anxious to obtain all the information respecting them so that we are able, in time, that we may stimulate our countrymen to similar excellence.

With respect to the manufacture of glass, we are under considerable difficulties, on account of the high duty which is paid to Government; which prevents our manufacturers from making experiments on the quality of such as is fit for telescopes. But, we have recently obtained a licence from Government, for a remission of duties on such experimental enquiries, and the Royal Society has appointed a Committee to superintend the execution of some specimens of large glas for the object of telescopes. I hope, in a short time, we shall rival Fraenkel's manufactury.

You have probably seen, in some of the public journals, that a powerful attack has been made on the accuracy of the Greenwich observations for 1821. Since that time, a further attack has been made on the observations for 1822. The council of the Royal Society is now engaged with this
subject; which I fear will not redound to the credit of Mr. Pond, or his assistants.

Mr. Schumacher informs me that my list of moon-culminating stars for 1825, is too numerous; that the attention of astronomers will be divided, on account of its differing from the list given by him. I fear there is some truth in this remark; I in future it will be better to have fewer stars, & that the selection should be made by only one person. I am now forming a list of all the known stars, not less than the 7th magnitude, situated within 10° of the ecliptic, and reduced to the year 1830; which I shall print & circulate amongst astronomers, for the purpose of making the annual selections, above alluded to.

I have the honor to be, with the greatest respect for your eminent talents, & personal worth,

Yours very obs. Sd.

Francis Bailey.