

FROM: PATRICK MOORE

FARTHINGE,
WEST STREET,
SELSEY,
SUSSEX.

Dear Mr.Hare,

I am so sorry for the delay. I have been at two conferences abroad, and mail got completely out of control.

I do appreciate the problem. My solution would be to stop down the aperture. If you reduce it to, say, 3in you should be all right. I prefer projection; I know that there are some 'screen materials', but I am a coward!

Try it, and do let me know.

All good wishes for 1989,

Sincerely

Patrick Moore

22-11-88.

WANDUE HOUSE
SURREY COURT
UNIVERSITY OF SURREY
GUINDFORD
SURREY
GU25 1TH.

Dear Mr Moore,

I am currently a student at Surrey University (studying Physics) and I am writing to you on a technical problem that I hope you can help me with.

You may be aware that part of a degree course is concentrated on a final year project. I have chosen my own idea for a project and very briefly is as follows,

I have designed and built a high sensitivity magnetometer (on the hall effect principle) to study the variation of the Earth's Magnetic field. Originally I wanted to see if there was an effect on the field due to the lunar cycle. It seems now, with further studying, that this may be rather difficult to observe - above the general "noise" due to other effects (most prominent being the Sun of course). As a result the title of the project has changed very slightly to the following;

"Development of a highly sensitive magnetometer for Solar-terrestrial investigations"

The reason for writing to you is as follows,

Over the last summer I built a 6" Newtonian Reflector telescope and I wanted to know if it was possible to use this to observe the sun. For example for sun spot counts etc.

I know of various ways of projecting the Sun's image on to a shadowed white card, but I was concerned that the large concentration of light (and thus heat) may be disastrous for the optics.

Last summer I experimented with boiling water using a similar effect and became aware just how much, and how high, the temperature and power we are dealing with!

I would be very pleased if you could spend a little time to reply to this letter - I know you must be very busy.

Any References or ideas etc you may have would be very gratefully received,

yours sincerely

Jonathan Hare.