

Dorothy: Thanks. I do hope his pictures are good.

Dr.

NORTHWESTERN OBSERVATORY

ISOLAR RESEARCH LABORATORY

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Dorothy E. Trotter
High Altitude Observatory
P.O. Box 1558
Boulder, Colorado.

Dear Miss Trotter:

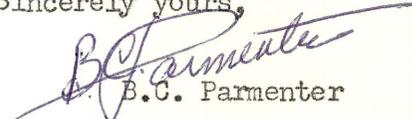
I am writing this as a "two-way" message at this time, for your enlightenment, and to ask Dr. Billings a question or two about literary presentation as per contents, below.

I have had a sudden "break-through" here in my spicules program, and needless to say, I am highly elated!. After having installed a new system on the spectrograph here earlier, I had been awaiting some most excellent seeing to put it to use. Making only a single trial-run to establish exposure timing, I was hardly prepared for the results obtained on the second run. The negatives from this run yielded quite excellent spicules depiction on all of the fifteen frames, and furthermore they will present the exact likeness I obtain visually!. Not only are they easier to obtain by this method, but they will readily show spicules of typical 3" X 12" dimension, as well as those of only 2" X 10"/2" X 8"/, and from careful examination of the frames, possibly 2" X 6" or 2" X 4" sizes. I believe most all will reveal their true aspects from lower chromospheric-base to tops, although some instrumental scatter may be a hazard.

Under the circumstances, I feel I should turn my full energies toward photographic duties surrounding this new method, and disregard the daily plotting and drawings of the solar maps---at least for a time. Since the maps require quite a little time to create, I often find I am quite rushed during the day along with other things; photography and development, notes in records, and general spicules studies, etc, etc,. Also, I have been trying to get some other units installed on the spectrograph, for other work.

Perhaps you might simply hand this letter to Dr. Billings. I had written to him some time ago about presenting "drawings" to show up the spicules, but under the present circumstances it appears I may now provide quite large and presentable photographic prints. In the meantime, daily efforts will no doubt provide some still better depictions, when I should like to compile as great a collection of spicule showings possible. It appears that the months of August and September are the best photographic times at this site.

Sincerely yours,


B.C. Parmenter