

SPRINGFIELD COTTAGE,
ENGLEFIELD GREEN,
SURREY.

10 | 26

Jan. 19/88.

F.

One more step. My photoelectric cell gives an e.m.f. for every part of the spectrum, attaining a max^{im} in the light blue. It answers to the part below the red, & also ^{to that} beyond the violet. Is not this remarkable?

Quantitative result: — single small cell exposed in light blue of weak lime light spectrum, prism being about 14 inches from cell, gave an e.m.f. of about

$\frac{165}{1100}$ Daniell.

I have now constructed nearly 40

tiny cells in 3's, 6's, 9's, etc.,
and probably I may send you
over one.

The coming method of finding
the distances of the stars is by a
photo electric battery.

How do the action? find the
distances of stars in plane of
the Ecliptic? no parallax!
They can't, I think.

What we want to do is to make
several hundred of tiny photo cells
in a small area, & a c.m.f.
 $\propto \frac{1}{r}$, make obs^{ns} at intervals
of 6 months, & you have \oplus 's
distance.

M.

10/26