

233 South 13th Street
Monday May 9. 1881.

My dear Sir:

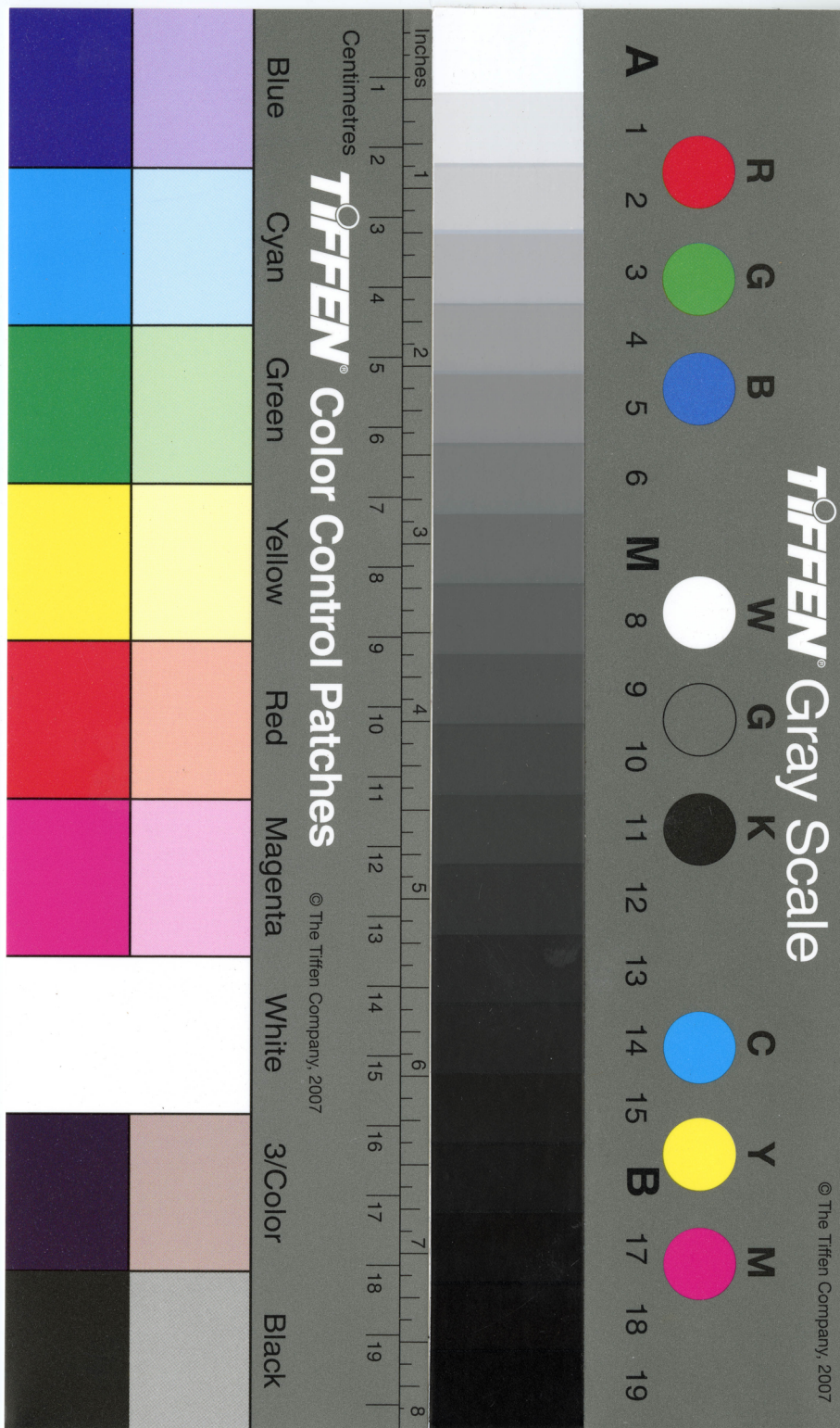
The chemical & philosophical
apparatus (glass) lately deposited
by me in the Ridgeway branch
of the Phil^o Library - belonged to
Franklin

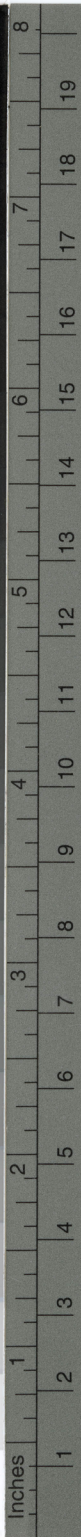
I think somewhere in his
published letters allusion is
made to the large long tubes
which he evidently used to pro-
duce electrical excitement by
hand rubbing with silk or fur

The primitive electrometer made
with 2 pith balls is interesting for
it was probably made by himself.

The same may be said of the
rough differential thermometer
no doubt he mounted it.

Such thermometers could only
be used to indicate difference of





temperature at two different localities and not the degree of temperature. They answered for such experiments by simply showing there was a difference of temperature only.

The glass bell about 18 inches long and very narrow is also interesting as it has a number of scratches on it. No doubt it was used in experimenting with volumes of gases. The scratches indicate measures of the gas.

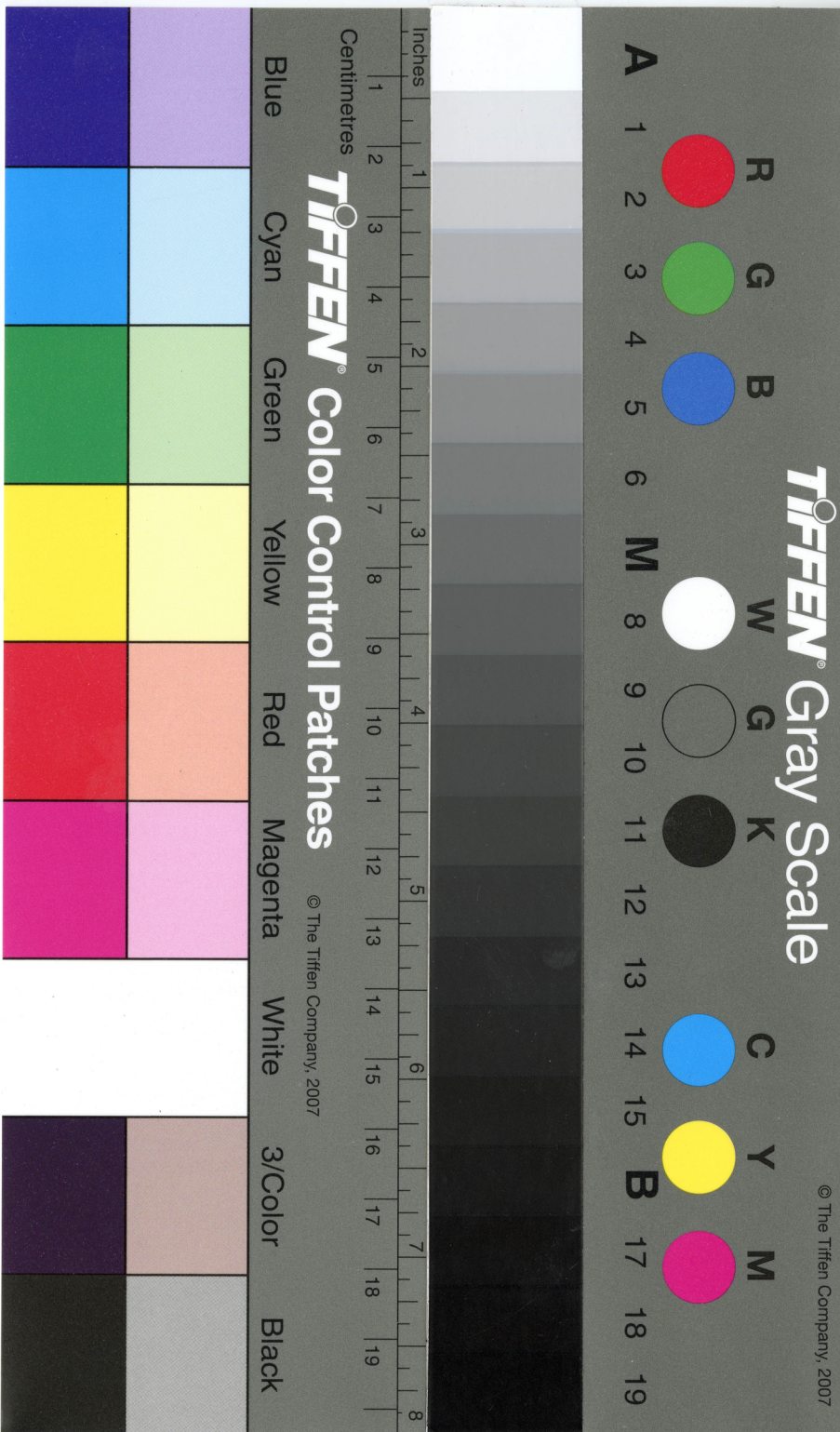
The small cylindrical case containing a tube and feet rubber appears to be a portable arrangement which he may have used in social circles to amuse those curious concerning

electrical experiments -

I enclose with this a receipt
enumerating this apparatus
and the Portrait of Franklin
by West and the portraits
of Mrs Franklin and his 2nd
Wife. William was the last
Royal Governor of New Jersey -
and should not be confounded
with Mrs Temple Franklin.

Yours sincerely
Thos. Hewson Bache

Mr Loyd P. Smith
Lebanon -



TIFFEN Gray Scale

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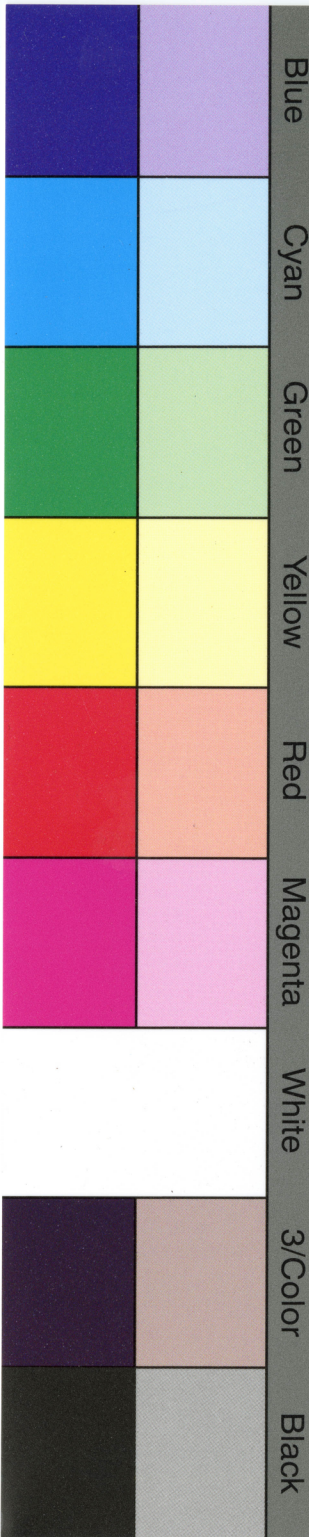
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|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | R | G | B | W | G | K | C | Y | M |
| A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |



Inches 1 2 3 4 5 6 7 8
Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

TIFFEN Color Control Patches

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Letter from
T. Harrison Bache
June 1887

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