Princeton
Oct. 24, 93

My dear Miller,
It is hard to know just what books to recommend. The best short treatise on thermodynamics is Biot - La Chambre but I suppose its being in French will make it unserviceable. Parker's Thermodynamics is very interesting but it is not conventional enough to serve your turn. Alexander's Thermodynamics is no good. I think you can't do better than read Maxwell, with lectures on Fourier's theory of Thermodynamics treated analytically. In optics we are almost as badly off. Pratons's Light is first rate, but it is pretty large. Still by omission you can finish it in a term. If
May seem too descriptive, is so little analytical, but it has all the essentials, except for its size, it ought to suit you. I think it the best book in physics that I have ever seen. I know of no other book so light to recommend. Any on the Undulatory Theory of Optics would hardly do, it is too antiquated. Does not come enough ground.

In the end of Fleming's Alternating Current Transformers, Vol. 2 is a full account of the Hertz experiments. If your boys can read German, they can use the volume published by Hertz, in which his papers are collected - Untersuchungen über die Ausbreitung der elektrischen Kraft. Johann Barth, publisher. You will also find numerous papers on the subject in the Phil. Mag. & Weidmann's Annalen. It may be, likely is, that the technical Electrical Journals, published translations or large abstracts of Hertz work. I am glad you are so well pleased with your work, you comfortably fixed.

Yours sincerely,

W.T. Magic