

DESCRIPTION OF FIGURES.

PLATE I.

- FIG. 1.—*Nematophyton Legrandi*.—Transverse section, showing conversion of the normal into a pseudo-cellular structure through crystallization. Taken from a specimen also showing normal structure. $\times 154$.
FIG. 2.—*Nematophyton crassum* (?).—Transverse section showing effects of crystallization. $\times 154$.
FIG. 3.—*Nematophyton crassum* (?).—Longitudinal section showing tendency of false cells to follow lines of normal structure. $\times 154$.
FIG. 4.—*Nematophyton Legrandi*.—Longitudinal section of normal structure showing the secondary filaments crossing the cells of the medulla. $\times 154$.
FIGS. 5 & 6.—Transverse and longitudinal sections of *Nematophyton crassum*. Normal. $\times 154$.

PLATE II.

- FIG. 1.—*Nematophyton Hicksii*.—Showing siliceous casts with carbonaceous fragments adherent to them. $\times 210$.
FIG. 2.—*Nematophyton tenue*.—Longitudinal section, showing general character of the structure. One of the large tubular openings is seen in the centre. $\times 300$.