

Other Chlorophyllaceous Algae present were *Protococcus* sp.? *Chlorococcus* sp.? diam. of cell itself being 0.0176 mm., and of cell together with its hyaline coat 0.0264 mm. *Ankistrodesmus* (*Rhaphidium*) *falcatus*, *Scenedesmus quadricauda*, *Pediastrum* sp.? *Pediastrum Boryanum*. The forms included in this latter species vary somewhat from the description given by Rabenhorst and Archer. The coenobium is circular in outline, cells in a single stratum, arranged in three rows round a central cell (1 + 4 + 10 + 15); inner cells variable, 4-6 angled, concave at one side; peripheral cells convex on the inner side, on the outer side notched and tapering into two long subulate points. Diam. of peripheral cells 0.0065 mm. (= about  $\frac{1}{16000}$ ").

I have also seen another species of *Pediastrum* which is not described in any work to which I have had access. The cells are in a single stratum, and in two rows round a central cell (1 + 6 + 12); inner cells polyhedral, 4-6 angled; peripheral cells pentagonal; external angle produced into a single process about as long as the diameter of the cell. Diam. of coenobium 0.0434 mm. (= 0.00173"), and of peripheral cells 0.0124 mm. (= 0.0005").

*Spirogyra* sp.? Sterile joints 10 times as long as broad; spiral single with 4 turns; cell wall at each end produced. Diam. 0.0124 mm. (= 0.0005"). Fertile joints not observed.

#### PHYCOCHROMACEAE.

Belonging to the Phycochroms there were a few forms observed, viz. :—

*Gleocapsa sparsa*, which is probably only a zooglaea stage of *Sirostephanos*; *Merismopedia nova* (sp. ?); and at least two species of *Oscillaria*, which have been referred to *Os. nigra*, *Fauch.* and *Os. chlorina*, *Kütz.* the former being quite common during the month of March, more so probably than at any other time.

#### SCHIZOPHYTAE.

Under the name Schizophytes are included all the organisms commonly known as Bacteria, together with a few parallel green forms, multiplying chiefly by transverse fission, though in some cases spores are formed. These organisms at best have but a doubtful reputation; and if Intermittent and other malarial fevers. Anthrax, Diphtheria, Septicaemia, Pyaemia, Tubercle, and other virulent contagious dis-