absorption. Dr. Gilbert (p. 5) gives the amount of aumonia which alia in rain and minor aqueous deposits per acreat Rothmasted as 6:46 pounds per annum. Bonasingault¹ found :00079 grm. per liter of aumonia in rain water in the country districts of France. In dew he found as much as from :001 to :000 grm. per liter. In dew he found as much as from :001 to :000 grm. per liter. Under the country districts of France. In dew he found as much as from :001 to :000 grm. per liter. In the country districts of the country districts of the country and the country districts of the country districts of

Conclusions.

The following is a summary of the results which I believe to be established on a reasonable basis of probability:

1. That the filaments are not parasitic organisms, but are the normal productions of a particular form of glandular tri-

chomes on the leaves of the seedling and second-year plants.

2. That they consist of protoplasm in some way intimately connected with resinous matter.

 That the function of the protoplasmic portion of the filament was originally to assist in the act of secretion, but that it has been subsequently utilised by the plant as a mode of nutrition.

4. That the protoplasmic filaments have the power of absorbing nitrogenous matter, and that in the seedlings they probably absorb ammonia from the rain-water and dew. In the adult plants they absord the products of the decaying insects for the capture of which the plant is adapted.

capture of which the plant is adapted.

5. That some obscure correspondence may exist between the protrusion of the filaments and the process of aggregation.

NOTE TO MR. FRANCIS DARWIN'S PAPER.

I beg leave to say that I have witnessed almost all the facts described in the foregoing paper, and can vouch for their accuracy. To the best of my judgment, the whole case is a most remarkable one, and well deserves the attention of physiologists.

1 'Watts' Dict. of Chemistry,' v, p. 1014-15.