

Without a thorough knowledge of the conditions under which the Alga occurs in the Maitland district, it is difficult to say what steps should be taken with a view to its destruction. Under the circumstances I can only make a few suggestions which might, if carried out, tend to reduce its numbers.

In the first place it is a well known fact that the Rotifera or Wheel-animaculæ feed on small unicellular Algae such as the one in question. The Unio or Fresh-water Mussel might also be tried, its introduction would not be injurious to the water supply. But I consider the best plan would be to take advantage of the resting stage of the plant, and engage a staff of men to skim the surface of the water. With suitable wire gauze frames vast quantities might be collected and destroyed. If this method were adopted for several seasons in succession the organism might ultimately be eradicated. The following are a few of the more important works in which this Alga is dealt with :—

Chlamydomonas pulvisculus, Ehrenberg; Die Infusions thierchen, 1838, p. 64.

Chlamydomonas pulvisculus, Pritchard; Infusoria, 1861, p. 521, pl. 18, f. 40, 51 – 54.

Chlamydomonas pulvisculus, Cooke; British Freshwater Algae, 1882–4, p. 56, pl. 21, f. 3.

Chlamydomonas pulvisculus, Bennett & Murray; Handbook of Cryptogamic Botany, 1889, pp. 186, 299, 300, 409, 417, 419.

I have the honor to be,

Your Obedient Servant,

THOMAS WHITELEGGE.

SPECIMENS OBTAINED ON A DREDGING TRIP IN
PORT JACKSON, SATURDAY, 30TH MAY, 1890.

As an instance of the very extensive Marine Fauna of Port Jackson, the following list of the various species obtained in one day's dredging is given. The specimens have been determined

by Members of the Museum Staff, viz. : -Mollusca by Mr. Brazier,
General Invertebrata by Mr. Whitelegge :—

MOLLUSCA (6 to 8 fathoms).

Green Point, Watson's Bay.

<i>Octopus granulatus</i> , Lam.	<i>Trivia globosa</i> , Gray †
<i>Murex Brazieri</i> , Angas †	<i>Pellicaria scutulata</i> , Martyn
<i>Typhis arcuatus</i> , Hinds †	<i>Bittium granarium</i> , Kiener
<i>Triton fusiformis</i> , Kiener †	<i>Cerithiopsis crocea</i> , var., Ang.*
<i>Fusus Hawleyi</i> , Angas*	<i>Triforis nigrofuscus</i> , A. Ad.
<i>Eburna (Zenia) australis</i> , Sowb.	<i>Rissoina Smithi</i> , Angas
<i>Nassa jacksoniana</i> , Quoy, small var.	„ ^{sp.}
„ <i>paupera</i> , Gould	<i>Turritella sinuata</i> , Reeve
<i>Cominella tritoniformis</i> , Bl.	<i>Trochita calyptraformis</i> , Lam.
<i>Neritula lucida</i> , Ad. & Ang. †	<i>Crypta unguiformis</i> , Lam.*
<i>Olivella exquisita</i> , Ang. †	<i>Capulus violaceus</i> , Angas*
„ <i>nympha</i> , Ad. & Ang.	<i>Vanikoro gaimardi</i> , Adams*
<i>Amalida marginata</i> , Lam.	<i>Australium tentoriformis</i> , Jonas
„ <i>oblonga</i> , Sowb.	<i>Liotia Kieneri</i> , Philippi †
<i>Mitra strangii</i> , Angas*	<i>Clanculus clangulus</i> , Gray
<i>Columbella eximia</i> , Reeve*	<i>Elenchus badius</i> , Wood
„ <i>filosa</i> , Angas	<i>Trochus decoratus</i> , Philippi
„ <i>lincolniensis</i> , Reeve	<i>Leioptyrga picturata</i> , H. & A. Ad.
<i>Marginella orbulum</i> , Reeve	<i>Minolia prodictus</i> , Fischer
„ <i>turbinata</i> , Sowb.	„ <i>ritiligeuia</i> , Menke
„ <i>Metcalfii</i> , Angas †	<i>Gibbula Cori</i> , Angas
„ <i>olivella</i> , Reeve	„ <i>strangii</i> , A. Ad.
„ <i>translucida</i> , Sowb.	<i>Gena nigra</i> , Quoy & G.
<i>Volvarina mustellina</i> , Angas †	<i>Lucapina lineata</i> , Sowb.
<i>Natica euzona</i> , Recluz	<i>Emarginula candida</i> , A. Ad.
„ <i>subcostata</i> , Ten.-Woods †	<i>Hemitoma rugosa</i> , Quoy
<i>Neritina souverbiana</i> , Mont.*	<i>Tugalia parnophoidea</i> , Quoy
<i>Scalaria jukesiana</i> , Forbes	<i>Buccinulus affinis</i> , Ad.
„ <i>oculeata</i> , Sowb.	„ <i>nireus</i> , Angas*
<i>Crosseia concinna</i> , Angas*	<i>Cululus acuminatus</i> , Desh.
<i>Turbonella nitida</i> , Angas	<i>Myonia concinna</i> , A. Ad.
<i>Odostomia levis</i> , Angas	„ <i>sinuata</i> , Angas*
<i>Terebra bicolor</i> , Angas	<i>Ringicula doliaris</i> , Gould
<i>Drillia Metcalfii</i> , Angas	<i>Bullina lineata</i> , Gray
<i>Clathrella bicolor</i> , Angas	<i>Cylichna arachis</i> , Quoy
„ <i>sp.?</i>	„ <i>regularis</i> , Gould*
„ <i>sculptilis</i> , Angas	„ <i>pyramidata</i> , Ad. †
<i>Mangilia lineata</i> , Reeve	„ <i>pygmaea</i> , A. Ad. †
	<i>Tornatina fusiformis</i> , A. Ad.
	„ <i>Hofmanni</i> , Angas

* Rare.

† Very rare.