Like Prof. Johnson, I have found no difficulty in germinating them in potato-juice at the ordinary laboratory temperature. At the commencement of August they had liberated their contents within four days in a hangingdrop culture. I was not so fortunate as to observe the actual escape of the zoospores, but this stage seems to be followed very rapidly by the amœboid stage, in which condition the organism moves about very actively for some days. In the hanging drop it then becomes passive, withdrawing its pseudopodia and assuming a spherical shape. In both the ciliate and the amœboid condition it must

be very sensitive to fungicides, and it is therefore important to ascertain at what period this susceptible stage is reached in nature, as this will determine the best time for the application of gas lime or other dressing to the soil. Now that so many observers are directing their attention to this fungus, it is to be hoped that we shall soon discover a method of checking the further advance F. E. Weiss. of this destructive parasite. F
The University, Manchester, November 21.

Mercury Bubbles.

I HAVE on several occasions noticed the beautiful bubbles described by Mr. Wright and Sir William Crookes (pp. 8 and 37). On each occasion I was purifying mercury in the following way. I half filled a rather large Woulffe's bottle with mercury and poured on to it weak nitric acid. Then, in order to keep the whole in a state of agitation, I carried a tube through one neck to the bottom of the bottle and attached a short tube to the other neck con-nected with a filter pump, so that air was continuously drawn through the two liquids. I have never noticed bubbles for the first hour or two, but afterwards they are formed continuously, and float for a second or so on the top of the acid before bursting. Some were certainly quite 22 mm. in diameter. From their delay in appearing I gather either that they are only formed in mercury which is fairly pure, or that the nitric acid has to be fairly well saturated with metal. A. T. HARE. November 23.

WITH reference to Mr. J. G. Ernest Wright's letter in NATURE of November 5, I may be permitted to mention that under the above heading I published a few observations in Nature of July 2, 1903. Like Mr. Wright, I made an approximate estimate of the thickness of the mercurial pellicle, but the bubbles which were produced in Mr. Wright's experiment seem to have had a slightly greater diameter than any of those which I observed. HENRY H. DIXON.

School of Botany, Trinity College, Dublin.

An Alga growing on Fish.

In Nature of April 18, 1907, vol. 1xxv., p. 599, it is noticed that Mr. A. D. Hardy found a cholorophyte, Myxonema tenue, ordinarily an inhabitant of rapid streams, also growing luxuriantly on some goldfish in a small pond, the obtaining water friction necessary to its own well-being.

To some of your readers it might prove of interest to record a similar occurrence in Japan. On October 11, 1902, while I was rambling about the Asso marsh, not far from this town, my eye was accidentally caught by a small fry of medaka (lit., eyes-jutting, Haplochilus latipes, Schleg.), a fish proverbial for its diminutiveness. In a shallow bog-pool, only some 2-4 feet across, they looked very unhealthy, and were swimming in an unsteady, fidgety manner, infested with what appeared to be Saprolegnia, but greenish in hue. On a closer examination, every one of them turned out to have under or beside its abdomen a horny protuberance giving rise to delicate tufts of an alga up to 1 cm. long. This discovery I made mention of in a letter sent some time after to Prof. G. S. West, then at Cirencester. This plantlet, I have no doubt, belongs to the genus Myxonema, but the imperfection of my microscope, as well as the want of reference books, prevents me from ascertaining what species it really is.

By the accompanying parcel post I am sending you five medaka-fish with the algal growth in situ, and two slides with the latter; also one slide with a large, broadly shuttleshaped and much constricted desmid found singly suspended among the Myxonema, in the hope that some phycologist will kindly identify them for me.

KUMAGUSU MINAKATA.

Tanabe, Kii, Japan, September 20.

The alga attached to the medaka fish is Myxonema tenue, Rabenh. The desmid is a species of Euastrum, too imperfect to determine specifically. A few fragments of a diatom belonging to the genus Gomphonema are also GEO. MASSEE.

A Disclaimer.

I WISH to make a disclaimer of responsibility with reference to the journal Ion, on the cover of the first number of which my name figures in the capacity of an editor. It is true that at one time, ac'.ng on certain representathat at one that at one thine, at high of certain representa-tions, I accepted an invitation to superintend the department of the journal dealing with radio-activity, as referred to in the concluding paragraph of the editorial on p. 1 of the first number. Neither the journal itself, nor its cover, however, were submitted to me for my sanction and approval before publication. The appearance of my name on the cover in the capacity of an editor has not been authorised by me, and I accept no responsibility with regard either to the editing or publishing of the journal.

With reference to the department of the journal dealing with radio-activity, I would point out that the first number of the journal contains several articles and reports dealing with the subject of radio-activity, but with the exception of two articles contributed by myself and one report, proofs of which passed through my hands, these articles and reports were not seen by me before publication. The first intimation I had that they were to appear was derived from the advertisement of the journal and its contents in NATURE of November 12, p. xxi. I therefore do not accept any responsibility for that section of the journal I am stated to have the care of. Finally, I wish to say I have now withdrawn from all connection with the journal.

FREDERICK SODDY.

Leonid Meteors.

THE nights of November 13-15 appear to have been generally overcast, and to have furnished no opportunities for watching the display of meteors. But November 16 was clear at some places, and Mr. Ellison Hawks, of Leeds, counted eighty-seven meteors between 10h. and 14h., of which twenty-six appeared to be certainly Leonids, while many others pursued nearly same paths, and probably belonged to same stream. Large meteors were recorded at 12h. 26m. and 13h. 12m. shooting from Taurus and Aries towards the planet Saturn.

At Whitby an observer noticed several conspicuous meteors in the morning hours of November 17. At 6.32 a.m. there was a splendid one descending almost vertically through Orion from the direction of Leo, and there was no doubt that the great November stream returned, though perhaps not richly as in some years nearer the perihelion returns of the parent comet. It is to be hoped that other observers will send their reports of the shower.

The night following Monday, November 16, when the Leonid meteors were seen at Leeds and Whitby as described, was decidedly late for the display. The present year being leap year, it is probable that the shower was at its best on the mornings of November 15 and 16, but no accounts of its appearance at those times have reached me owing to the overcast and starless condition of the

visible firmament reported by various observers. W. F. DENNING.