extension but no such determinate and independent shape.

5. W. T. L.'s translation of Lucr. 1. 749, is certainly a great improvement on the 'current' translation of Munro, but I would venture to suggest one further alteration: the quod in line 752 is surely a relative, not a conjunction, and is exactly parallel to the quod of line 750. I should translate: 'although we see that that is the extreme point of anything, which seems, judged by our senses, to be a least part, so that you may infer from this that the extreme point of things which you cannot see, is the least part also for them.' (I agree in accepting Postgate's et illis.)

I may perhaps be allowed to use this opportunity to call attention to the one place in which Giussani seems to me to have gone seriously wrong in his interpretation of Epicurus, namely, in the last sentence but one of the section (59 ad fin.), ή γαρ κοινότης ή ὑπάρχοντα αὐτοῖς πρὸς τὰ ἀμετάβατα ἰκανή τὸ μέχρι τούτου συντελέσαι. Giussani renders, 'the common character which the atoms have with sensible things in regard to the partes minimae, is that which renders them fit for the completion or rather the creation of things up to the point which we see.' This is very difficult, and necessitates a great deal of reading between the lines. Surely autois is not the atoms but the πέρατα of the atoms, πρὸς τὰ ἀμετάβατα is constructed directly after κοινότης, and συντελέσαι is not transitive but intransitive in its regular idiomatic sense. I should translate, 'the community of characteristics which the extremities of the atoms have with the inseparable particles of things perceived, is sufficient to justify their being classed together to this extent' (i.e. for the purposes of an analogy from the seen to the unseen); and then he goes on naturally enough to explain where the essential difference comes in, 'but of course it is impossible that the extremities of the atom should ever have been brought together by motion to form an atom' (sc. as the αμετάβατα of the visible object, being themselves formed of many atoms, were brought together to form the object).

Much of the difficulty of the problem of minimae partes disappears, I think, on consideration of the history of the idea. It originated with the statement of Leucippus that the reason of the indestructibility of the atoms (note that here we have Lucretius' context, not Epicurus'---a divergence which has caused Giussani qualms), is τὸ σμικρὸν καὶ τὸ ἀμερès (Simpl. Phys. p. 925. 10, Diels Frag. ed. 2, Leucippus 13). Now Leucippus doubtless meant by auepès 'indivisibility,' but his statement lent a handle to opponents who chose to interpret it 'the fact that they are without parts': what is without parts, they might argue, is without magnitude, and cannot therefore have material being at all. Aristotle, according to Simplicius, was not slow to use this argument, and it is highly probable that earlier critics did too. Democritus shelved the difficulty by suppressing the infelicitous epithet and allowing his atoms to be of some size, but Epicurus characteristically faced it, and from the quite disproportionate length which his discussion occupies in the letter to-Herodotus, we may be sure he was answering opponents and trying to think out his reply on strictly Epicurean lines. Hence his appeal to the sensuous analogy: we can in ordinary life see extremely minute parts of bodies, as parts, which if isolated, would become invisible, though still remaining in the realm of matter: they are the minima of the perceptible world. Similarly the atom must have such parts, never existing except as parts of the atom, which, if isolated, would cease to be matter, though they would still have extension: they are the minima of the material world. As the size of the visible object is determined by the number of its perceptible minima, so is the size of the atom determined by the number of its material minima. And then as in other cases (notably at the end of § 62) he scrupulously points out where the analogy breaks down: 'Of course the perceptible minima are materially separable one from another and liable to be broken up still further: the material minima are not.' His answer is a satisfactory one from the point of view of his own logic, but, as Giussani says, it has not solved 'the insoluble antinomy.' At the bottom of the scale of material existence, we have that which is material, yet can only exist as a part of matter, that which has extension, but no parts. Would the modern scientist be able to make any very different answer?

I hope, that in an endeavour to clear up some difficult points suggested by your correspondent's letter, I have not made darkness worse confounded.

C. B.

CHICAGO, Dec. 2, 1908.

To the Editor, THE CLASSICAL REVIEW.

The editors of Homeric Vocabularies fully appreciate the extended and careful notice you have given that book. Yet with all his acuteness your reviewer has failed to grasp our problem and method. For our method we may be allowed to say that, while it is obviously not the only one, it has already proved its efficiency, for example in President Harper's Hebrew Vocabularies, now in a fifth edition; for our statistics, that they are based on Gehring's Index Homericus, where anyone may verify them for himself; and for our meanings, that we may well be excused for failing to satisfy a reviewer who thinks 'great-hearted' for μεγάθυμος 'a mere school-boy's rendering.' Is Walter Leaf then a mere school-boy? Your reviewer wishes us to print κορέννυμι, because he finds it in his Homeric dictionary. But he will not find it, or any form from that stem, in Homer, and we have tried not to lead students to expect in Homer forms they will not find there. For the misprints to which your reviewer calls attention, however, we give him hearty thanks.

WILLIAM B. OWEN. EDGAR J. GOODSPEED.