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## Emendations on the fourth book of Lucretius

Summary - Ten emendations are offered on the text of the fourth book of Lucretius' De rerum natura: 4,$79 ; 81 ; 397 ; 553 ; 594 ; 632 ; 785 ; 809 ; 884 ; 1282$. In two of these instances I challenge what has been the vulgate text for the last five centuries $(4,785 ; 884)$ and in one instance I suggest that corruption has occurred in a previously unsuspected passage $(4,809)$.
namque ibi consessum caveai supter et omnem scaenai speciem $\dagger$ patrum matrumque deorum $\dagger$
80 inficiunt coguntque suo fluitare colore; et quanto circum mage sunt inclusa theatri moenia, tam magis haec intus perfusa lepore omnia conrident correpta luce diei.

78 consessum $\mathrm{O}^{\text {s }}$ : concessum $\mathrm{O}^{\text {a.c. }}$ : consensum Q 79 scaenai Lambinus : scaenal O : scaenali Q : scaenalem $\mathrm{O}^{1} \mathrm{Itali}$ patrum matrumque deorum mss : pulcram variumque decorem Lachmann : multi alii multa alia 81 inclusa Q : inclaustra O : angusta Lachmann : ita clausa Brieger: his clausa Giussani : induta Reid: ut claustra Diels:iam clausa Edelbluth :in claustra Martin : ibi clausa García Calvo

I open in the heat of controversy, for line 79 is perhaps the most vexed passage in Book 4 of De rerum natura ${ }^{1}$ and almost all critics are agreed that the words patrum matrumque deorum cannot stand as transmitted in O and Q . ${ }^{2}$ Since it would be tiresome to treat individually the great mass of conjectures upon the passage, ${ }^{3}$ it will suffice to say that no single suggestion has been

[^0]welcomed by even a small number of editors and that obeli deserve to retain their place in the line. ${ }^{4}$ Lucretius here treats the visual effects of the veiled theatre (an adornment reputedly introduced to Rome by Q. Catulus in 78 B. C.) ${ }^{5}$ and it is certain that the close of 79 further depicted the theatrical scene onto which the bright colours from these awnings fell. The strange and otiose presence in the verse of fathers and mothers (for such focus on parents is surprising and consessum of the preceding line already treats the audience in general) has been questioned by many scholars since Lachmann, who first objected "etsi deorum signa in scaena sunt, nulla tamen sunt patrum matrumque. turpis est in hoc loco interpretum levitas, qui primum per se non viderint decorem scribendum esse ubi est deorum. ${ }^{" 6}$ Although Lachmann needlessly concentrates upon signa, he was certainly right to highlight the problems of the text as transmitted. His attractive alteration of deorum to decorem gains potent support from the strikingly similar passage that he adduced from later in Book 4, which also relates to the visual appearance of the theatrical stage: et consessum cernere eundem / scaenaique simul varios splendere decores (982/983). I likewise

[^1]follow Lachmann, as have many others, in seeing corruption in both patrum and matrumque, one mistaken transcription having facilitated the introduction in turn of the (semantically similar) other. ${ }^{7}$ In their place Lachmann elected to supply an adjective to modify decorem and another to qualify speciem; although this is by no means impossible, it certainly brings a weak close to an otherwise colourful passage. ${ }^{8}$

With the removal of the last transmitted genitive (deorum), I would prefer to convert the preceding two (patrum matrumque) to a natural source of visual decor to complete the picture. In his bold and attractive critical edition, ${ }^{9} \mathrm{~K}$. Müller took this same tack and conjectured personarumque. The suggestion is ingenious but it must be confessed that such focus upon the actors' masks is too specific to be suitable; if perhaps persona is employed in its transferred sense, ${ }^{10}$ the conjecture is more probable but remains rather removed from the paradosis. The visual image seems better completed if focus still lies upon the stage (as with omnem/scaenai speciem) but turns to its painted scenery as a whole. I conjecture picturarumque decorem, '[the splendour of the stage] and the beauty of its scenery'. ${ }^{11}$ Valerius Maximus relates that Claudius Pulcher first brought lavish painted scenery to the Roman stage in 99 B. C. ${ }^{12}$ and Vitruvius, a most trustworthy source for terminology, employs picturae of scene paintings at 7, pr., 11. ${ }^{13}$ Lucretius himself uses pictura of decorated tapestry at 2,35 and of general pictures at 5,1451 . If either patrum or matrum emerged from the ductus of picturarum owing to their sheer familiarity, the corresponding corruption of

7 I fail to see why the appearance of caveae consessum at Verg. Aen. 5,340, a passage adduced by many commentators, means that patrum in our present passage is defended by patrum, 'elders', in the following Virgilian verse: not only is patres there employed in a different sense but the phrase caveae consessus also occurs at Aen. 8,636 and Tac. Ann. 13, 54 without any further Lucretian echo.
8 His varium gains good support from the parallel passage later in the book but I believe his conjecture could be improved by reading pictam, 'painted', for pulcram. W. Richter, Textstudien zu Lukrez, Munich 1974, 54, believes that he improves Lachmann's emendation by reading pulcram variamque deorsum, thereby modifying speciem with both adjectives. It is only having accepted deorsum into his text that he reaches the surprising conclusion that "etwas anderes [sc. than adjectives qualifying speciem] ist zwischen speciem und deorsum schwerlich unterzubringen".
9 K. Müller, T. Lucreti Cari De rerum natura libri sex, Zurich 1975.
10 In the two instances where Lucretius employs persona ( 3,57 and 4,297), both unequivocally mean 'mask'.
11 For a quadrisyllabic noun placed in the same sedes of the Lucretian verse and followed by -que, cf. tempestatesque at 6,611 .
12 2,4,6: Claudius Pulcher scaenam varietate colorum adumbravit vacuis ante pictura tabulis extentam (cf. also Plin. Nat. 35, 23, 6).
13 Cf. also in scenis pictis at $6,2,2$ and the general discussion of wall painting at 7,5 . Vitruvius of course had read his Lucretius and makes respectful mention of him at 9, pr., 17.
the remaining letters would have most easily followed. ${ }^{14}$ The corruption of decorem to genitival deorum presumably occurred at a subsequent stage.

I must also reject the transmitted text of 81 , although many editors have retained it. Crucially, moenia cannot in the present context be inclusa, regardless of whether a temporary or permanent theatre is here being envisaged: they can be closed (off) and can enclose the auditorium within but they are not themselves enclosed. ${ }^{15}$ The discrepancy between O's inclaustra and Q's inclusa ${ }^{16}$ suggests that the archetype offered inclausa, from which I believe Brieger was right to extract clausa: the pleasure of those inside the theatre is increased by how much the theatre's walls are closed off, thereby shutting out all external visual distractions. ${ }^{17}$ What then should precede clausa in lieu of the nonsensical in? Brieger's own ita is somewhat unexpected (for the closure of the walls has not yet been discussed), Giussani's his (sc. velis) is most inelegant and Edelbluth's iam unexplained. Perhaps we could introduce a word emphasising the location under discussion; since these verses treat the same scene as the preceding six lines, the word we seek should have close deictic reference. It would perhaps be better than García Calvo's ibi to read hic ('here') ${ }^{18}$ clausa. With the pervasive loss of initial $h$, corruption to in could easily have followed; it is worth noting that, if M.F. Smith's hunc (perhaps written hūc) is accepted for the impossible in at 5,1105, the two corruptions are most similar. ${ }^{19}$

397-399:
exstantisque procul medio de gurgite montis classibus inter quos liber patet exitus ingens, insula coniunctis tamen ex his una videtur.

397 exstantisque OQ : exstant usque Lachmann : existuntque Purmann

14 Alternatively, picturarumque could have been corrupted (and shortened) to patrumque, after which the apparently suitable matrum was inserted to repair metre but placed after patrum, as per typical Latin word order.
15 The gloss of W.A. Merrill, T. Lucreti Cari De rerum natura libri sex, New York 1907, ad loc., "shut in by curtains", will convince few.
16 The vulgate reading inclusa was first printed in the Giuntine edition (Florence 1512) although J. B. Pius, the author of the first modern commentary upon Lucretius (Bologna 1511), states in his note ad loc. "potes et cum priscis exemplaribus scribere inclusa".

17 circum ... clausa effectively serves as circumclusa in tmesis.
18 The same deictic focus is found with haec of 82 .
19 Munro's attempt to heal the passage by emending moenia of the following line to moenibus (reading inclusa), adopted by K. Müller, is unattractive, not least owing to the controversial position of sigmatic ecthlipsis it introduces; the same stands for Bergk's inclusa theatra/moenibus. See my Sigmatic Ecthlipsis in Lucretius, Hermes 136 (2008), 188205. Romanes' reordering of syllables (with alteration of mage to its prosodic byform), magis insunt claustra, is clever but neither inesse nor mention of claustra is suitable.

The accusativus pendens of 397 is uncommonly harsh and emendation to the nominative would hardly bring sufficient improvement; ${ }^{20} \mathrm{I}$ do not believe it possible to take 397 as dependent upon inter, as Winckelmann, Polle, Munro, Giussani, Merrill, Ernout and S.B. Smith inter alios desire. These critics and others are content to leave the transmitted text untouched as a striking example of Lucretius' looseness of expression. ${ }^{21}$ On the contrary, I think that Lachmann and Purmann were right to reject the anacoluthon and posit corruption in the clumsy participle that opens the verse. Yet the former's usque and the latter's weak existuntque are inappropriate in sense. Perhaps we could restore a more striking expression by reading exsurguntque ... montes: the mountains 'surge' or 'rise up' far from the midst of the sea. ${ }^{22}$ Once the opening word was corrupted to a plural participle, ${ }^{23}$ the transmitted montes was necessarily taken as an accusative. ${ }^{24}$

553-555:
hoc ubi non longum spatiumst unde illa profecta perveniat vox quaeque, necessest verba quoque ipsa
plane exaudiri discernique articulatim.
553 illa OQ : una Bentley
illa of 553 lacks an obvious deictic reference and stands oddly alongside vox quaeque (a pairing certainly to be taken together) to signify each spoken utterance: Lachmann fairly objected that "hoc ne Latinum quidem est". ${ }^{25}$ Bentley's una (i. e. unaquaeque), however, though accepted by almost all editors, seems to throw excessive emphasis on individual utterances. ${ }^{26}$ Focus should lie not on the actual singularity of each utterance but rather on the utterance itself as a corporeal entity making its journey from one's mouth to another's ear. I therefore

[^2]suggest that ipsa should be read for illa, thereby balancing verba quoque ipsa of the following clause.

592-594:

> ideo iactant miracula dictis
> aut aliqua ratione alia ducuntur, ut omne humanum genus est avidum nimis auricularum.

594 auricularum OQ : miraclorum Bentley : terricularum Bergk : aucupiorum Brieger : auribus horum Cartault (et K. Müller, avidis lecto) : auscultare Merrill : ridiculorum Birt : avicularum Orth : oraclorum Mackay : terriculorum Flores nugarum genus est avidum nimis agricolarum Albert

Although the grammar of 594 is unproblematic, the resultant meaning can scarcely be tolerated: if the human race is indeed often misled by misguided reasoning to recount apparently miraculous events, it can hardly be said to be 'too greedy for ears'. Lucretius laments in this passage that humans are so easily swayed by the sounds of the hills and believe the fabulous tales told of them; it is here an irrelevance whether or not such humans desire to recount these tales to others. Therefore, even if one is charitable enough to grant to Munro that est avidum ... auricularum could be unpacked as "avet captare auriculas alienas", ${ }^{27}$ the problem of sense remains. Yet it is too convoluted to posit instead that auricularum is a genitive of sphere, 'greedy as regards their ears' and therefore 'greedy-eared'; such extension of locatival expressions of the type ferox animi would be unparalleled. Finally, Diels' suggestion to take avidum as a contracted form of avidorum ${ }^{28}$ and emend auricularum to a neuter form (attested only in a glossary of the late $7^{\text {th }}$ century), ${ }^{29}$ thereby bringing about a descriptive genitive, does not convince: Lucretius' use of -um for -orum has strict delimitations ${ }^{30}$ and neuter auriculum is unknown in extant Latin literature.

Emendation of the text is therefore required. The form auricularum seems specific enough to be a genuine contemptuous diminutive ${ }^{31}$ and, taking note also

27 H. A. J. Munro, T. Lucreti Cari De rerum natura libri sex, Cambridge ${ }^{4} 1886$, comm. ad loc. G. Wakefield, T. Lucretii Cari De rerum natura libri sex, Glasgow ${ }^{2} 1813$, ad loc., had already suggested "possis ... scribere, si placeat, avidûm, pro avidarum; quae minus ambigua sane verborum structura fuerit."
29 CGL 5, 340, 7 and 12. The manuscripts are Cod. Amplonianus F. 42 (s. viii/ix) and Cod. Epinalensis 72 (2) (s. vii/viii); the archetype of these siblings was tentatively dated to 675 A.D. by H. Flasdieck (see J.D. Pheifer, Old English Glosses in the Épinal-Erfurt Glossary, Oxford 1974, lxxxix-xc).
30 It is limited to words of Greek origin, words of (or closing with) choriambic scansion and the commonplace archaic survivals deum and virum.
31 As C. Giussani, T. Lucreti Cari De rerum natura libri sex, Turin 1896/1898, ad loc., states, "auricularum ha schietta impronta di genuinità".
of the "assonance associative" 32 between the word and miracula of 592 , it should be left unaltered. ${ }^{33}$ The sense required in 594 is rather that the ears of humans are excessively open to being misled by the strange sounds and echoes of the hills and the fantastic tales told by others. It is this particular fault that brings about the subsequent recycling of these superstitious tales. Diels' modification of auricularum with an adjective to introduce a genitive of description was right-minded. I therefore suggest emending avidum to levium: the human race is 'of excessively fickle (or 'unreliable') ears', i.e. 'too fickle-eared': they are too open to listening to any mysterious sound or tale, however far-fetched and ill-founded. ${ }^{34}$ If levium became evium or levidum, correction to avidum could easily have followed.

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630-632:
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630 nec refert quicquam quo victu corpus alatur, dum modo quod capias concoctum didere possis artubus et stomachi umidum servare tenorem.

632 umidum OQ : validum A (atque Orth suo Marte, qui nitidum ante ci.) : vividum B : umectum Pontanus : umidulum Lachmann : uvidulum Wakefield : tumidum Martin : item post umidum olim add. Diels : mundum vel nitidum (sed iam Orth) García Calvo : usque unum Socas

The transmitted umidum of 632 is unmetrical and has been altered to either Pontanus' umectum or Lachmann's umidulum by almost all editors. Yet do we require any sense of moisture? Lucretius here states that one can eat any given food provided that it is distributed throughout the body's limbs and, if we accept either of these two emendations, provided that the 'moist tenor' of the stomach is maintained. But such mention of moisture seems odd in the general context of

32 The term is that of P.H. Schrijvers, Horror ac divina voluptas, Amsterdam 1970, at 60.
33 Bentley's miraclorum, adopted by Lachmann, introduces a contraction of the noun attested only in a corrupt fragment of Lucilius ( $14 \mathrm{M}[=$ Non. $839,29 \mathrm{~L}]$ miracla ciet elefantas), despite Lachmann's attempts to introduce the same form at 4,419 and 462, and a weak repetition of miracula in 592 . The other emendations of the word are evidently changes for the worse.
34 The fickleness of the mind and its senses was of course an ancient commonplace and for the specific demotion of hearing below other senses, cf. e. g. Lucr. 5, 100-103 and Hor. ars 180 - 182. It is curious that Pius (as $n .16$ ) glosses the transmitted text in a manner that seems impossible but would well suit my emendation: "Procliviter homines credunt et ducuntur auribus etiam si illa quae audiunt citra credulitatem sint: mera videlicet somnia et aegroti veteris nugae." Such ears, open to any talk, however foolish, are naturally at the opposite end of the spectrum to Virgil's durae aures (Aen. 4,428); for Lucretius' free use of adjectives with aures, cf. his demand at 4,912: tu mihi da tenues aures.
nourishment and is not explained or expanded upon elsewhere in the work. ${ }^{35}$ It therefore seems rash to insert either conjecture, not least since both adjectives are unattested in Lucretius; as a further objection to Lachmann's umidulum, neither he nor any subsequent critic has explained why Lucretius would here have employed an epithet with a diminutive suffix. ${ }^{36}$ Of other suggestions, those of Martin and García Calvo are truly bizarre, and Socas' draws needlessly upon 5,508 to produce very odd sense. The conjecture of A (i. e. Vat. Lat. 3276), validum, which the prolific Emil Orth independently hit upon, is indeed supported by a verse of Quintus Serenus Sammonicus; ${ }^{37}$ although the parallel is drawn from a notably late (i. e. $4^{\text {th }}$-century) source, the conjecture may well be right and was accepted by Müller, Godwin and M.F. Smith. An alternative perhaps worth considering is that the adjective emphasises maintaining an intermediary state of the stomach between the potential extremes that foodstuffs could bring: I therefore conjecture medium. For the phrase, one could compare Manilius' statement about the tenor of the weather produced by Egypt: [Aegyptus] medium ... facit moderata tenorem $(4,725 b)$. The emendation has the further advantage of the spatial overtones of 'middle course', 'middle route': tenor is so used by Lucretius at 5,508 (the only other occurrence of tenor in the work) and Virgil at Aen. 10, 340. ${ }^{38}$ Corruption of the adjective to its anagram emidum or perhaps the nonsense form midum could well have led to introduction of the inappropriate umidum.

783-785:
si mare, si terram cordist, si denique caelum, conventus hominum, pompam, convivia, pugnas, 785 omnia sub verbone creat natura paratque?

I know of no critical discussion of 785, a line which contains an unparalleled feature in Lucretius' poem, namely the position of -ne. This interrogative enclitic particle is elsewhere used by Lucretius in the following circumstances alone: (i) added to the particles non $(2,16 ; 196 ; 207 ; 263 ; 3,166 ; 4,122 ; 1286 ; 5,50 ; 382$; $556 ; 602 ; 646 ; 6,813 ; 900 ; 1103)$, iam $(2,277 ; 883 ; 4,214 ; 5,561)$, пес $(3,713)$, quo $(4,206)$ and an $(4,781)$ to form recognisable interrogative collocations; ${ }^{39}$ and

[^3](ii) attached to the first word of the interrogative clause. verbone is therefore not only an unmotivated marking of a question, since the preceding verses 781/782 were likewise interrogative (opening with anne), but, more problematically, it presents two stylistic irregularities at once. I believe that removal of the anomaly can be achieved by simply reading recreat for -ne creat. ${ }^{40}$ Since the images in question - conventus hominum, pompae, convivia, pugnae etc. - have been past events of the world, the idea of 'recreating' the image is not inappropriate. In early minuscule the similarity of $r$ and $n$ was close. ${ }^{41}$

Since first formulating this conjecture I have discovered that the change had been made before, but over five centuries ago and without argument: Wakefield records that his manuscript delta (= Brit. Lib. Harl. 2694) offers the reading (which is perhaps a scribal error rather than a conscious correction), and it is consequently found in the first printed edition (Brescia 1473). Since then, however, it has been entirely forgotten. Now it deserves, I think, serious reconsideration.

807-810:
807 nonne vides oculos etiam, quom tenuia quae sunt
809 cernere coeperunt, contendere se atque parare,
810 nec sine eo fieri posse ut cernamus acute?
$808(=804)$ recte del. Avancius
contendere se atque parare of 809 has not hitherto been suspected by critics. Yet, since contendere is yoked with parare, it should naturally mean 'strive [to see well]' rather than 'strain themselves'; ${ }^{42}$ although se must be supplied with parare, I find it difficult to wring suitable sense from its usage with contendere. Instead, we here rather expect the intransitive use of the verb, as employed by Lucretius at 802 (where dependent cernere is likewise understood); comparison of oculorum acies contenta at 1,324 is of no avail because contenta, 'strained', should be understood as passive. I think that the passage would run far more smoothly if seque stood for se atque. With the accidental addition of an $a, t$ or $c$ before que (a particle often written separately in early mss), the subsequent transmission of se atque would have been almost inevitable. Romanes' emendation of the corrupt 804 (i. e. nisi quaerere se ipse paravit), which I am strongly

[^4]inclined to follow, provides a close verbal parallel for se parare, as does 805 (ipse parat sese).

883/884:
inde voluntas fit, neque enim facere incipit ullam rem quisquam, 〈quam〉 mens providit quid velit ante.

884 quam suppl. ed. Brix. (iam post mens suppl. AB) : om. OQ : nisi Avancius (et Diels ac Romanes suo Marte)

The supplement in 884 has rarely been questioned, presumably because all agree that quam is required with ante (the reversed word order being paralleled at 3,973 ; cf. also 6,979 ) and because some authority has typically been conceded to the Italic mss that offer quam..$^{43}$ Yet the cacophonous repetition of quam in adjacent syllables is most infelicitous and unparalleled in the poem. ${ }^{44}$ Indeed, among post-scenic poets, the collocation is only found in Ovid. ${ }^{45}$ Diels' nisi, independently conjectured by Romanes, does well to remove the pairing and may well be right. Yet a suggestion that provides a motivation for the loss of a syllable is to take quisquam of the $\mathrm{mss}^{46}$ as the contraction of qui $\langle v i\rangle$ s quam, via an easy 'saut du même au même'. quivis, employed in the same form at 3,158 , would be perfectly Lucretian for 'anyone' and would make the point more forcefully than quisquam.

1280-1282:
1280 nam facit ipsa suis interdum femina factis morigerisque modis et munde corpore culto, ut facile insuescat secum degere vitam.

1282 te ante secum suppl. Bernays : post secum L. Müller (quod sibi trib. Diels) : nos post secum Lachmann : om. OQ im (= eum) suescat secum quoque mirab. Orth

[^5]Bernays' supplement for the metrically deficient 1282 has typically been followed and is superior to L. Müller's proposal for its more natural word order and immediate juxtaposition with se-. Yet the thrust of the discussion in these lines is most general and we therefore expect a first person plural pronoun rather than the direct singular (cf. esp. 4, 1277 coniugibus quod nil nostris opus esse videtur) ${ }^{47}$ in a phrase of a similar nature elsewhere in the poem ( 3,322 ut nil impediat dignam dis degere vitam) the focus is likewise upon the first person plural. I therefore prefer the supplement of Lachmann, ${ }^{48}$ with reference to Romans or even humans in general, but believe that it can be improved by employing the preferred word order nos secum. The loss of nos may be a simple scribal oversight or perhaps the purposeful deletion of the nonsensical no that would have resulted from haplography of $s$ before secum.

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[^0]:    1 It is worth citing the apology of L. A. MacKay, Conjectures on the text of Lucretius, CPh 70 (1975), 270/271, at 270, before offering his own conjecture upon the line: "New suggestions for this passage are probably read more in the expectation of amusement than of instruction; but one may still nourish a mild hope of hitting on an acceptable emendation."
    2 Since I am convinced that the Italic mss do not represent an authority independent from OQGVU and are therefore only of use as a repertory of Renaissance conjectures, I shall treat O and Q alone as witnesses to the Lucretian tradition throughout this article (the text of GVU does not survive for Book 4).
    3 The following editors alter patrum matrumque deorum: pulcram variumque decorem Lachmann, claram variamque deorsum Bernays, parvum magnumque, deorsum Bergk,

[^1]:    propriam variamque deorsum or colorum Polle, vitrum marmorque deorsum Brieger, personatumque tragoedum Romanes, (speciem) patrum atque decores S. B. Smith, patulam manantia deorsum MacKay, pulcram variamque deorsum Richter. The following alter patrumque matrum: varium ornatumque Höfer, Parium marmorque Brieger, variam statuasque Meurig-Davies, patrium marmurque Orth. The following alter matrumque deorum: coetumque (earlier auratumque or ornatumque) decorum Munro, turmamque decoram Howard (reading O's scaenalem), turbamque (earlier partemque) decoram M.F. Smith; it should be noted, however, that patrum turmamquelturbamque decoram had already been conjectured by A.E. Housman in the margin of Vol. 1 of his copy of Munro's Lucretius (Cambridge 1873), now preserved at St John's College, Oxford (these conjectures I discovered, among others, in January 2008). Colin alters only matrumque to Matrisque. The following alter only deorum: deumque Bockemüller, deorsum Martin (after Bernays), decorem (after Lachmann) Merrill (and Petrowski), levamen Büchner. Ross Taylor and García Calvo accept the paradosis, as does Krokiewicz (but reading O's scaenalem); yet more oddly, the Italic mss AFL and most pre-Lachmannian editors added a hypermetric -que to deorum; for my emendation to remove the sole hypermetric verse in the mss of Lucretius (at 5,849) see my Lucretiana quaedam, Philologus 152 (2008), 111127, at 118-120. This list of conjectures is no doubt still incomplete. Nonetheless, the task of collecting such emendations will be made notably easier by a work which I am in the early stages of preparing, a comprehensive Lucretian thesaurus emendationum.
    4 Obeli were sagely deployed by A. Ernout in his Budé (Paris 1920), by C. Bailey in both editions of his OCT (Oxford 1900 and ${ }^{2} 1922$ ) and his commentary (T. Lucreti Cari De rerum natura libri sex, Oxford 1947), by M.F. Smith in his Loeb (London ${ }^{3} 1992$ ) and by F. Giancotti (Lucrezio: La natura, Milan ${ }^{4} 2000$ ).

    5 Cf. Plin. Nat. 19, 23, 1 and Val. Max. 2, 4, 6. Pliny (loc. cit.) proceeds to inform us that linen awnings were introduced by Lentulus Spinther (in 60 B. C.); cf. also Lucr. 6, 109/110.
    6 K. Lachmann, In T. Lucreti Cari De rerum natura libros sex commentarius, Berlin 1850, ad loc.

[^2]:    20 As Lachmann states with typical conviction (as n.6, ad loc.): "Nominativi pendentes Wakefieldo et Forbigero placent, scilicet grammaticae imperitis."
    21 J. Godwin, Lucretius: De Rerum Natura IV, Warminster ${ }^{2}$ 1992, ad loc., sees artistic purpose in the anacoluthon: "the mountains float in glorious isolation in grammar as in life." As beautiful as this suggestion is, I cannot believe it. (of rocks near Formiae), Curt. 8,11,7 (of the peak of the rock Aornis) and Mela 1, 20 (of the landmass Africa).
    23 A similar unmotivated addition of is can be seen at 2,867 : consistare $\mathrm{O}^{\text {a.c. }} \mathrm{Q}^{\text {a.c. }} \mathrm{V}$ for constare.
    24 There is of course no need for an alteration as violent as Bergk's exstant sic scopuli medio de gurgite ponti.
    25 As n. 6, ad loc.
    26 verbum ... unum (563) and vox una (565) belong to a quite different argument and therefore provide no support for the emendation.

[^3]:    35 The discussion of drinking at 4,870-876 focuses upon the dispersal by umor of glomerata $\ldots$ vaporis / corpora $(871 / 872)$ but does not discuss the general tenor of the stomach.

    38 Cf. Porph. ad Hor. carm. 2, 3: subitis bonis non esse gaudendum, nec malis desperandum, sed medium tenorem sequendum.
    39 Editors are therefore right, for this among other reasons, to reject Bernays' gratisne at 3,395 and Munro's crassane at 4, 1259 .

[^4]:    40 It is perhaps noteworthy that both O and Q present ne as separate from verbo.
    41 For this error in the Lucretian tradition, cf. 1,884 tenemus for terimus and 5,412 undis for urbes; for the reverse error, cf. 1,$646 ; 6,466$ and 1021; if Lambinus' emendations stand, cf. also 4,143 and 159 .
    42 I have not succeeded in finding any other example in Latin literature of contendere employed in the sense of 'straining' with a reflexive pronoun.

[^5]:    43 For my rejection of the Italic mss as textual authorities, see n .2 above.
    fore agree with the latter element of the assertion of N.H. Romanes, Further notes on Lucretius, Oxford 1935, at 46: "The suggestion is plausible, but hideous." A. Ernout (Lucrèce: De rerum natura, commentaire exégétique et critique, Paris 1925, ad loc.) highlights the ugliness of sound but does not provide any explanation for its appearance: "cacophonie, d'autant plus sensible que les deux quam forment le spondée."
    Ov. am. 2, 2, 52; met. 12,41; tr. 1, 1, 116 (all preceding quamvis and a concomitant sense pause); cf. the valuable note of J.C. McKeown, Ovid: Amores. Text, Prolegomena, and Commentary, Vol. III, A Commentary on Book 2, Leeds 1998, ad 2, 2, 52. The potential Statian example, silv. 3, 5,49 et quam (quam saevi!) fecerunt maenada planctus, is mitigated by the parenthesis.
    O's ens for mens (as found in Q) is presumably an error committed through haplography in that manuscript alone.

[^6]:    47 That we have the second person singular in the two closing verses of the Book (1286/ 1287) is irrelevant: the opening didactic formula nonne vides requires such a focusing.

    48 I do not understand the complaint of R.D. Brown, Lucretius on Love and Sex. A Commentary on De Rerum Natura IV 1030-1287, Leiden 1987, ad loc., that it "seems too personal".

