# Notes on the Text of Pindar 

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I

## On the Alleged Three Mediaeval Metagrammatisms

In his Histoire du texte de Pindare (Paris 1952), J. Irigoin consecrates a chapter (XI, pp. 123-134) to his theory that the text of the odes underwent in the Middle Ages three successive transliterations or metagrammatisms from uncials to minuscules. If true, this would be most unusual for a pagan author, for a pagan text normally was transmitted through a single metagrammatism. Irigoin writes (p. 125): "Les fautes graphiques causées par la confusion des lettres onciales ne sont jamais nombreuses. Pour la recension ambrosienne, dans le texte des Olympiens, une faute est certaine: O $10.51 \in \wedge C A C$ : $\in A C A C$ : une autre faute se retrouve dans quelques manuscrits de la recension vaticane: $O 6.180 \mathrm{~A} \in Z^{\prime}$ : $\Delta \in Z^{\prime}$ : c'est probablement, dans ces manuscrits, une correction indépendante de la recension ambrosienne; la prière de demande ( $\delta$ '́'oo $)$ se termine par l'offrande de l'ode ( $\epsilon \mu \omega \bar{\nu} \delta^{\prime} \dot{v} \mu \nu \omega \nu \delta \delta^{\prime} \xi^{\prime} \epsilon \dot{\jmath} \tau \epsilon \rho \pi \epsilon \grave{s} \stackrel{\alpha}{\alpha}^{\prime} \theta$ Oos)." (Note that Irigoin cites by cola: the Bowra line references are $O 10.43$ and $O 6.105$ ).

Now the corruption of ${ }_{\alpha} \epsilon \xi \xi^{\prime}$ to $\delta \delta^{\prime} \xi^{\prime}$ at $O 6.105$ occurs not only in A, the leading manuscript of the so-called "Ambrosian" recension, but in L M N and O post corr. Certainly the confusion of lambda and delta is a common uncial error; but it can also occur in a purely minuscule ambience, e.g. at Theognis 847 , where N writes $\delta \dot{\alpha} \xi$ for the word $\lambda \dot{\alpha} \xi$ in its minuscule antigraph, D. In that place there may be some unconscious association of thought, namely rhyming, an occasional source of error in copying. Irigoin himself notes (p. 125) that the scribes' sense of the context may have influenced the corruption of $\ddot{\alpha} \epsilon \xi^{\prime}$ to $\delta \delta^{\prime} \xi^{\prime}$ at $O 6.105$. The other corruption on which he founds, that of $\dot{\epsilon} \lambda \sigma \alpha s$ to $\dot{\epsilon} \dot{\alpha} \sigma \alpha s$ at O 10.43, need not have arisen through visual confusion of uncial letters:
it could spring from mere trivialisation, the substitution of a commoner word of similar appearance. Collation of the Pindar text in A shows that it is frequently a careless apograph: e.g. at $O 4.8 \mathrm{~A}$ writes
 $\chi \lambda \omega \rho \hat{\alpha} \nu$ for $\chi \dot{\omega} \rho \alpha s$. At $O 10.98$ A offers $\dot{\alpha} \nu \alpha \pi \lambda \dot{\alpha} \sigma \sigma \epsilon \iota$ for $\dot{\alpha} \nu \alpha \pi \dot{\alpha} \sigma \sigma \sigma \epsilon$, and such an error would more readily arise in uncials; but even so it would not help towards proving a separate transliteration for $A$, because five other manuscripts offer the same error.

It seems, then, that there is no adequate basis for Irigoin's theory that A is the product of a separate and belated transliteration from uncials to minuscules in the later thirteenth century (p. 246). Irigoin writes of "L'abondance, dans le manuscrit $A$, des fautes dues à la confusion des lettres onciales...", though he had previously written (p. 125) that "Les fautes graphiques causées par la confusion des lettres onciales ne sont jamais nombreuses." It is a pity that Irigoin did not list the allegedly abundant uncial errors he found in A, which I myself cannot find in the text. Irigoin does not even list many errors from the scholia of A, and he himself admits (p. 125): "mais on sait que, jusqu'à la fin du Xe siècle, les scholies ont été volontiers écrites en petite onciale." Thus uncial errors in scholia, in A or other Mss, can derive from eleventh or twelfth century scribal work on Mss all derived from a single transliteration of the text and scholia in the later stages of the Photian renaissance, say around a.d. 1000.

It is of dubious help to Irigoin's thesis to remark (pp. 246f) that the Theocritus text K, bound with A of Pindar, derives from a separate transliteration: ". . . le même Ambrosianus C 222 inf., avec le sigle K , tient une place analogue dans l'histoire du texte de Théocrite; il remonte à une translittération distincte..." Irigoin refers to C. Gallavotti, Theocritus, pp. 243-245. Gallavotti remarks that the hand of Theocritus K in the volume is that of the accompanying Aristophanes text, but different from that of Pindar A. Gallavotti gives only three readings suggestive of uncial errors in K. One is Theocr. 15.68: $\delta \mu \omega \grave{\alpha}$ for $\dot{\alpha} \mu \hat{\omega} \nu$, which could originate from uncial AM $\omega N$ being misread as $\triangle \mathrm{M} \omega \mathrm{A}$, by a double error. But one should note that the Theocritus Mss G and P have the reading $\delta \mu \omega i s$; and both this and K's $\delta \mu \omega \dot{\alpha}$ could have arisen from a gloss (meaning 'servant-girl') on the preceding word Euvóa, which gloss had supplanted $\dot{\alpha} \mu \hat{\omega} \nu$ in later copying. In Theocritus epigram 11.4 K 's error $\dot{\alpha} \lambda \iota \mu \omega \nu \omega$ s for the correct $\delta \alpha \mu$ 价íws is shared with the Perusine Mss and thus cannot prove a separate meta-
grammatism of K. Thirdly, Gallavotti cites from Simias Securis 6 K's variant $\delta v \sigma \eta \lambda \epsilon \eta \dot{\prime}$ for $\delta v \sigma \kappa \lambda{ }^{\prime} s$. This could arise from an uncial confusion of eta and kappa, but confusions occur also of minuscule forms of these letters. In this connection one may note that at Pindar O 6.98, for єủŋро́тoוs we find єu่кра́тоוs in A , and in N and O by their first hands. In A it is a $\gamma \rho(\alpha \dot{\alpha} \phi \epsilon \tau \alpha \iota)$ variant. One must reckon with the possibility that the transliterated archetype, or master-copy, of all our extant Pindar Mss had some variants in its text, apart fom those in its scholia. Even were the thesis valid that K of Theocritus derived from a separate metagrammatism, substantially more evidence would still be needed to make attractive Irigoin's theory that A of Pindar stemmed from a late thirteenth century metagrammatism.

Irigoin's contention receives no support from the Aeschylus text (A) that accompanies K of Theocritus and A of Pindar. Study of the beautiful collation by Dr Roger D. Dawe shows no sign of separate metagrammatism of Aeschylus's A, but reveals some indications of its antigraph's having been minuscule: e.g. at Septem 759, for mívov A offers $\pi i \not \tau \ddot{\partial} o \nu$, and at Persae 922 for $\bar{\epsilon} \gamma \gamma \alpha i \alpha \nu$ one finds $\dot{\alpha} \gamma \gamma \alpha i \alpha \nu$ in $A$ and three other Mss.

Irigoin's case for there having been a third mediaeval transliteration of Pindar, that of his "recension vaticane raccourcie," (p. 127), seems also to be inadequate. Apart from two examples in the scholia, which, as said above, are not helpful because scholia continued to be written in uncials after the text had been transliterated into minuscules, Irigoin cites only one text variant to prove his thesis: P $3.27 \mu \eta \lambda о \delta o ́ \kappa \varphi$ ] $\mu \eta \delta o \delta o ́ \kappa \omega$. This is in C ante corr. E G V ${ }^{2}$. It might be an old uncial error that had been corrected in the rest of the family of Mss descended from the single metacharacterized copy of the Photian renaissance; but it might also exemplify a common type of error in minuscule copying, whereby a scribe anticipates a syllable, here writing in second place the syllable $\delta o$ due to come in third place. Alternatively, the repetition of the vowel omicron brought with it a repetition of the second consonant accompanying it: schematically $C_{1} V_{1} C_{2} V_{1}>$ $\mathrm{C}_{2} \mathrm{~V}_{1} \mathrm{C}_{2} \mathrm{~V}_{1}$. Or again, to pursue Irigoin's own argument elsewhere (p. 125) about the influence of context on the scribe's mind, note that in $P 3.27$ the next word is $\Pi v \theta \hat{\omega} \nu$, , so that a scribe might well have written $\mu \eta \delta o \delta o ́ \kappa \omega$ through some latent notion of the Medes at Delphi, as described by Herodotus. At any rate, the miswriting of $\mu \eta \lambda о \delta o ́ к \omega$ as $\mu \eta \delta o \delta o ́ \kappa \omega$ will not go far to establish Irigoin's thesis of a third mediaeval
metagrammatism of Pindar. In general, to demonstrate more than a single transliteration from uncials to minuscules of any classical text one would require to see a sizeable constellation of indubitably uncial errors in the text; and for Pindar none such is visible.

Irigoin further theorizes that there was an ancient metagrammatism of Pindar into the Ionic alphabet (pp. 22-25). On this G. P. Goold writes (TAPA 91 [1960] 284): "The evidence adduced is pitifully trivial."

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## II

## Word-division at Verse-end in Pindar

Modern editors follow August Böckh in removing, by what they consider emendation, the examples of word-division at verse-end offered by the Pindar paradosis. Doubts about the justification for their proceedings arose strongly in my mind when considering a particular instance, at N 10.41f, where Böckh's Emendationsversuch involved the assumption of a complex series of transpositions, which moved Hermann to protest. The paradosis there runs:

$$
\begin{align*}
& \text { тоьo } \theta \alpha^{\prime} \lambda \eta \sigma \epsilon \nu \text { Kopìv } \theta \text { ov } \tau^{\prime} \text { '่v } \mu v \chi o i ̂ s, ~ . ~ . ~ . ~ \tag{42}
\end{align*}
$$

The transmitted text makes good sense and scans correctly, but the word-division $\Pi \rho o i-\mid \tau o \iota o$ at the verse-end broke the rule of Hephais-
 verse) ends in a complete word or phrase." Böckh therefore elaborately transposed the words, and altered one, to run:

Böckh here assumed that his order A B C D had been corrupted in the paradosis into C D B A, and that the word $\tau$ ó $\delta$ ' had been altered to $\tau \circ$. He claimed $(1,329)$ that he could show many examples in Pindar of disturbed order of words, but in fact he cites none so complicated as he assumes here.

Hermann himself permitted Pindar to divide a word at the end of a verse, but at $I 8.42 \mathrm{f}$ he removed an example by re-writing a passage, his motive being to secure exact responsion with other stropheswhat Wilamowitz (Pindaros 9) was later to term the "petitio principii strengster metrischer Gleichmässigkeit." At I 8.42 f the paradosis runs:

```
\tauò \mu\epsiloǹ\nu \epsiloṅ\muò\nu \pi\eta\lambda\epsilon\epsilon\hat{\imath}}0\epsilon\epsilon\alpha
\muо\iota\rhoо\nu ó\pi\alphá\sigma\alpha\iota \gamma\alphá\muоv
\alphai\alpha\kappai\delta\alpha\alpha \gamma'́\rho\alpha\mp@code{, . . .}
```

Hermann altered that to read:



Hermann here assumes, in the last six words, that his order ABCDEF had been transposed in the paradosis to the order ACDEFB, with the second word, $\gamma^{\prime} \rho \alpha_{s}$, transposed to sixth place. Something similar occurred at $O$ 10.73, where N transposes the word $\mu$ é $\gamma \alpha \nu$ to follow $\epsilon \dot{v} \omega \pi i \delta o s$ five words later. But Hermann's change of order also involves two further changes, $\theta \epsilon \dot{\alpha} \mu о \iota \rho о \nu$ to $\theta \epsilon o ́ \mu о \rho о \nu$ and $\dot{o} \pi \alpha \dot{\alpha} \sigma \alpha \iota$ to $\dot{o} \pi \alpha \dot{\alpha} \sigma \alpha$. These are small changes, indeed, but more than is needed. D's text can stand, with the single change of $\theta \epsilon \dot{\alpha} \mu \circ$ o七ov to $\theta \epsilon \dot{\alpha} \mu \circ \rho o \nu$, in this form:

That scans as 4th paeon+1st paeon+ resolved diiamb, followed by glyconic, which responds satisfactorily to the corresponding verses in other strophes.

Before considering other places where the Pindar paradosis exhibits word-division at verse-end, it may be noted that Böckh allows Pindar to elide at verse-end and to divide phrases, for instance by separating a preposition at verse-end from the noun it governs in the next verse, or by putting at the start of a verse an enclitic word leaning back on a word at the end of the preceding verse.

Böckh rightly stresses Pindar's taste for what we call enjambement, used for emphasis, e.g. at $O 2.92-95$, with its culminating phrase:
 $\Theta \eta$ ク́ $\rho \omega \mathrm{vos}$.

Here the name of Theron is first word of the epode, and Pindar stops abruptly after it, to give emphasis. Likewise, at $P 2.72 \mathrm{f}$ he sets an emphatic word at the start of a new triad, thus:
$\kappa \alpha \lambda o ́ s ~ \tau o \iota ~ \pi i \theta \omega \nu \pi \alpha \rho \alpha ̀ ~ \pi \alpha \iota \sigma i v, \alpha i \epsilon i$
$\kappa \alpha \lambda o ́ s$.

Sir Maurice Bowra remarks (Pindar [1964] 319) that "for the greater part of his career Pindar made his syntactical units run counter to his metrical, presumably because he saw the poem as a whole and did
not wish it to fall into separate and easily distinguishable sections." It is perfectly in keeping, therefore, with that vision of the ode as a whole to reinforce enjambement with elision, as occurs notably at O 3.25f:

'I $\sigma \tau \rho^{\prime} \alpha \nu \nu \nu \nu$.

- "Straightway his spirit was eager to bring him to the Danubian land." On this place Böckh remarks $(1,318)$ : "Versum exire posse in voca bulum apostropho mutilatum certum est ab aliis poetis, estque unum in Pindaricis exemplum certissimum Ol.III,26, ubi vox $\tilde{\omega}^{\prime \prime} \rho \mu \alpha \iota \nu$ ' in fine antistrophae posita est.' Modern editors seem to prefer A's commoner word $\stackrel{\omega}{\omega} \rho \mu \alpha^{\rho}$, which has the disadvantage of requiring $\pi o \rho \in \dot{v} \epsilon \nu$ to be taken in an unparalleled intransitive sense.

At $N 8.37 \mathrm{ff}$ the paradosis gives us
$\chi \rho v \sigma o ̀ \nu \epsilon v^{\prime} \chi \circ \nu \tau \alpha \iota, \pi \epsilon \delta i o \nu \delta^{\prime}$ є̈ $\tau \epsilon \rho \circ \iota$
 $\alpha i \nu \epsilon ́ \omega \nu \alpha i \nu \eta \tau \alpha^{\prime}, \mu о \mu \phi \dot{\alpha} \nu \delta^{\prime} \epsilon \not \epsilon \pi \iota \sigma \pi \epsilon i \rho \omega \nu \dot{\alpha} \lambda_{\imath} \tau \rho \circ i \hat{\imath}$.

Böckh, and later Bergk, printed the elided $\kappa \alpha \lambda \hat{v}^{\prime} \psi \alpha \iota \mu^{\prime}$, and those with whom the Muses are not angry can see how much more emphatic is Pindar's first person optative than the "immendation" by Wakefield, $\kappa \alpha \lambda \tilde{v} \psi \alpha \iota$, which depends on a supplied $\epsilon v^{\prime} \chi о \mu \alpha \iota$.

Other examples of elision at verse-end affect particles, as at P4.179f:

$$
\begin{aligned}
& \tau \alpha \chi \epsilon^{\prime} \epsilon_{S} \delta^{\prime}
\end{aligned}
$$

Böckh keeps the $\delta^{\prime}$, which is needed to avoid an unsuitable asyndeton. At I 6.31-32:

Böckh keeps the $\boldsymbol{\tau}$ ', but prints it at the start of a new verse, thus: $\tau^{\prime}{ }^{\epsilon} \theta \nu \in \alpha$. It means 'both', and is desirable, though not necessary. At $I 8.19 \mathrm{f}$ the witness is D , which offers:



One may keep D's dual, and its $\theta^{\prime}$ as an example of appositional $\tau \epsilon$ (cf. Denniston, Greek Particles 502,e): ". . . because they were born twin daughters of their father, and the youngest pair of Asopides, and they pleased King Zeus." At $I$ 8.34f the manuscripts have $\epsilon i \pi \epsilon \delta^{\prime} \mid$ $\epsilon \ddot{v} \beta o v \lambda o s, \dot{\epsilon} \nu \mu \epsilon ́ \sigma o \iota \sigma \iota ~ \Theta \epsilon ́ \mu \iota s, \ldots$. . The connective is needed. Böckh comments ( $\mathrm{I}, 318$ ): "insititiae possunt particulae videri; nolui tamen in re ambigua mutare quidquam."

With the conservative caution of the august Böckh here one may contrast the radical dogmatism of the venerable Paul Maas, in Greek Metre (tr. Lloyd-Jones [Oxford 1962] §139, pp. 87f): "Elision at the end of the line is avoided . . . there is none in Pindar (on the interpolation of these particles see O. Schroeder, Pindar, 1900, 9 . . .)." Maas says nothing about the two clear cases of elision of non-particles, O 3.25 $\dot{\Phi}^{\omega} \rho \mu \alpha \iota \nu^{\prime}$ and $N 8.38 \kappa \alpha \lambda v^{\prime} \psi \alpha \iota \mu^{\prime}$. Yet he writes deprecatingly (p. 92) about "a metric which, in order to impose its laws, has to change the style for the worse or do violence to the transmitted text," and again "the metre of a poem is nothing apart from the poetry it is there to serve." On poetic grounds the $\tilde{\omega}_{\omega} \rho \mu \alpha \iota \nu^{\prime}$ and $\kappa \alpha \lambda v^{\prime} \psi \alpha \iota \mu$ ' offered by the paradosis are greatly preferable.

Böckh defends Pindar's practice of allowing an enclitic at the start of a new verse, thus dividing the phrase to which it belongs, e.g. N 4.63f:
$\tau \epsilon \delta \epsilon \iota \nu 0 \tau \alpha ́ \tau \omega \nu \sigma \chi \alpha^{\prime} \sigma \alpha \iota s$ ódóv $\nu \omega \nu$. . .
and I 8.10f:

$\gamma \in T \alpha \nu \tau \alpha ́ \lambda o v \lambda_{i} \theta_{o \nu} .$.
Böckh also condones Pindar's setting a preposition at a verse-end and the noun it governs at the start of the next verse, as at $O 13.112 \mathrm{f}$, where Böckh accents
. . . $\kappa \alpha \dot{\lambda} \pi \hat{\alpha} \sigma \alpha \nu \kappa \alpha \tau \alpha ́$
' $E \lambda \lambda \alpha \delta^{\prime}$ ' $\epsilon \dot{v} \rho \eta \eta^{\sigma} \sigma \epsilon \iota$. . .
Pindar is also willing to leave other prepositive words at verse-end, like $\dot{\omega}, \eta$, and $\kappa \alpha i$. For examples:

$$
\begin{aligned}
& \text { O 10.18: "I } I \lambda \alpha \phi \rho \epsilon \in \tau \omega \chi^{\alpha} \rho \iota \nu
\end{aligned}
$$

$$
\begin{aligned}
& \text { ' } A \chi \iota \lambda \epsilon \hat{\imath} \text { По́т } \tau о к \lambda о я .
\end{aligned}
$$

P 9.99: $\pi \alpha \rho \theta \epsilon \nu \iota \kappa \alpha i \pi$ то́бı ${ }^{\eta}$
viòv $\epsilon$ 'ै $\chi o \nu \tau$ ',
 $\tau \dot{\alpha} \gamma \lambda \nu \kappa \epsilon \in{ }^{\prime \prime} \dot{\alpha} \nu \in \tau \alpha \iota \pi \dot{\alpha} \nu \tau \alpha \beta \rho о \tau о \imath ̂ s$,

O 9.65: $\dot{v} \pi \epsilon ́ \rho \phi \alpha \tau o \nu \stackrel{\alpha}{\alpha} \nu \delta \rho \alpha \mu о \rho \phi \hat{\underset{\alpha}{\prime}} \tau \epsilon \kappa \alpha i$
є́рүоьть.
Fr. 36.16 Bowra: $\Theta \rho \alpha i ̈ \kappa i ́ \alpha \nu \gamma \alpha i ̂ \alpha \nu \dot{\alpha} \mu \pi \epsilon \lambda o ́ \epsilon \sigma \sigma \alpha{ }_{\nu} \nu \tau \epsilon \kappa \alpha \hat{i}$ $\epsilon$ єй $\alpha \rho \pi о \nu$.

In view of such phenomena, and of Böckh's conservative respect for the textual facts regarding elision at verse-end and the separation of enclitics and prepositions, it is curious that he allowed himself to override the textual data in the matter of word-division at verse-end, in deference to Hephaistion's dogma that every metron ends in a complete word. That was in 1811. Contrast the words written in 1962 by the Regius Professor of Greek at Oxford, Hugh Lloyd-Jones, in his preface to his translation of Maas's Greek Metre: "Ancient theories about Greek metre are of little or no value; and modern theories are valuable only in so far as they are grounded upon the evidence of the texts."

What, then, is the evidence of the Pindar manuscripts in the matter of word-division at verse-end? I am here understanding verse-end as that established by the occurrence of hiatus or syllaba brevis in longo in some stanza of the ode. The case of $N 10.41, \Pi_{\rho o i-\mid \tau o ı o, ~ h a s ~ a l r e a d y ~}^{\text {it }}$ been discussed, and the case of $I 8.42 o^{\prime} \pi \alpha^{\prime}-\mid \sigma \alpha \iota$, where both have been removed in modern texts by the combined assumption of transposition of words and corruption. There is another example at $P 4.211 \mathrm{f}$ where the best manuscript, $B$, offers the perfectly appropriate reading:

```
    \({ }_{\epsilon} \epsilon^{\prime} \Phi \Phi_{\alpha} \sigma \iota \nu \delta^{\prime} \dot{\epsilon} \pi \epsilon \epsilon \tau \tau^{\prime}{ }_{\alpha}^{\alpha} \nu-\)
\(\eta_{\eta} \lambda \nu \theta o v, \ldots\left[\dot{\epsilon} v \eta \dot{\eta} \lambda v \theta o \nu \mathrm{G}^{2} \mathrm{C} \mathrm{V}, \dot{\epsilon} v \mid \ddot{\eta} \lambda \nu \theta o \nu \mathrm{E}\right]\)
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$\ddot{\epsilon} \pi \epsilon \iota \tau \epsilon \nu \eta{ }_{\eta} \lambda \nu \theta o \nu$ of $\mathrm{G}^{\mathbf{1}}$ and the later Mss H and $\phi$ is preferred by Böckh and modern editors. At O 6.53 the majority of the veteres offer $\dot{\alpha} \lambda \lambda^{\prime}$
 $\kappa \in ́ \kappa \rho v \pi \tau o$ to avoid the word-division at verse-end. At $N 8.40$ f the para-
dosis offers the division of a non-compound word at verse-end, thus:
$\alpha i \theta \epsilon ́ \rho \alpha$.
$\dot{\alpha} \dot{\omega} \sigma-\mid \sigma \epsilon \iota$ scans right, with Homeric initial long alpha, and makes good sense; but Böckh, to conform to Hephaistion's dogma, alters to
< $\dot{\nu} \nu>\sigma o \phi o i ̂ s ~ \alpha ̀ \nu \delta \rho \hat{\omega} \nu .$.

In view of the lability of $\boldsymbol{\epsilon} \nu$, this is not a difficult change, were any needed.
At $I 6.7 \mathrm{ff}$ we find:
єïך $\delta \grave{\text { è }} \tau \rho i ́ \tau o \nu$
 $\sigma \pi \epsilon \in \delta \delta \epsilon \iota \nu \mu \epsilon \lambda \iota \phi \theta$ óryoıs $\dot{\alpha} \alpha \iota \delta \alpha i ̂ s . \quad[B . \kappa \alpha \tau \alpha-\mid \sigma \pi \epsilon \dot{v} \delta \epsilon \iota \nu]$
"And may it be ours, preparing a third bowl for the Olympian Saviour, to honour Aigina with libations of honey-voiced songs." $\kappa \alpha \tau \alpha \sigma \pi \epsilon \in \delta \delta \omega$ occurs in an appropriate sense at Eur. Or. 1239, $\delta \alpha \kappa \rho v v^{\prime}$ os $\kappa \alpha \tau \alpha \sigma \pi \epsilon \in \delta \delta \omega \sigma \epsilon$. Böckh's $\kappa \alpha \sim \tau \alpha \mid \sigma \pi \epsilon ́ \nu \delta \epsilon \nu \nu$ is termed by Fennell a "metrical tmesis." The sense would be ". . . to pour libations (absolutely) over Aigina."
At $I 3.18$, if one takes $I 3$ as having the same colometry as $I 4$, the view adopted by Turyn and Snell, then we find a compound word divided at verse-end, thus:



Turyn avoids word-division by running the two verses into one. Snell prints $\dot{\epsilon} \xi$ as a separate word at the end of the verse. Bowra writes the compound as a single word, and makes one long verse in I3, while dividing the end of the epode into two verses in I 4.

That makes, then, a total of seven places where manuscripts offer apparent word-division at verse-end by Pindar. Three of them are of uncompounded words, $\Pi_{\rho o i}-\left|\tau o ו o, \dot{\delta} \pi \alpha^{\prime}-|\sigma \alpha \iota, \dot{\alpha} \dot{\prime} \sigma-| \sigma \epsilon \iota\right.$ and four of
 Only one involves a proper name. To remove the divided simple
words from the verse-end involves somewhat more surgery than is needed for the compound forms.

Now Böckh had to defend himself against an accusation by the reviewer G. F. Grotefend, that he had been guilty of petitio principii in emending away examples of word-division at verse-end. See Böckh's excellent polemic, Narratur historia litis de vocabulis inter duos versus non dividendis motae nuperrime (in Pindari opera I [1811] 324ff). Hermann too objected in particular to the violent transposition assumed in Böckh's emending away of the divided $\Pi \rho o i-\mid \tau o \iota o ~(a p u d$ Böckh, op.cit. I,329). Indeed, Böckh himself had earlier been disposed to allow worddivision for proper names and compounds. But later he wrote ( $\mathrm{I}, 85$ ): "nunc et perfectiorem video esse Pindarum, quam qui hoc potuerit sustinere et pauca exempla, ubi divisum poterat vocabulum videri, certa sublata sunt emendatione." He claimed that only four cases needed emendation, and he asks ( 1,313 ): "Quis vero ob quaternos locos in tam corrupto scriptore hoc praeceptum damnaverit, nisi rei criticae imperitus, quum praesertim coniecturae, quibus in iis usi sumus, non admodum sint audaces?"

Now there are in fact seven cases requiring emendation, not four; and we have only four of the seventeen books of Pindar known to antiquity. If we had all seventeen, we might expect to find, not the seven cases of our four books, but perhaps twenty-eight cases of word-division at verse-end. It may be thought unscientific to emend away these seven cases, even if most of the emendations are slight. Moreover, we must remember Böckh's defence of cases of elision at verse-end, and of separation of enclitics and prepositions from the rest of the phrase in which they form part. In general, it may be considered that Pindar's usages at verse-end in these regards fit in perfectly with his zeal for enjambement.

Moreover, though in 1811 Böckh could excusably write of Pindar as "tam corrupto scriptore," today, thanks to the labours of Mommsen, Schroeder, Turyn, Snell and others, we can see that the paradosis is substantially very sound.

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## III

## Emendations and Defences of Readings in Pindar

From analysis of errors in sixteen manuscripts it appears that a comparatively small proportion involve more than one syllable and that they are classifiable into types that recur frequently. The following attempts to emend apparently corrupt places proceed, in principle, on the basis of making the minimum change from the paradosis.

Non-elision is an occasional source of corruption, and may have caused the trouble at I 8.44, where the paradosis is:

$$
\text { o̊ } \nu \tau^{\prime} \epsilon v ่ \sigma \epsilon \beta \epsilon \epsilon \sigma \tau \alpha \tau o ́ v \phi \alpha \sigma \iota \nu \text { 'I } \alpha_{0} \lambda \kappa \circ \hat{v} \tau \rho \alpha ́ \phi \epsilon \iota \nu \pi \epsilon \delta i o \nu .
$$

The metre is Aeolic, and the final verse of the strophe elsewhere consists of iambic metron +2 nd paeon ( $=$ resolved bacchius) + polyschematist choriambic dimeter. A satisfactory responsion (with bacchius for resolved bacchius) results from eliding фaoav to make the verse

The textual problem at $I 4.50$ perhaps derived from an error in inflection, the change of $\theta \eta \rho \hat{\alpha}$ to the $\theta \eta \rho \hat{\alpha} \nu$ of the paradosis. The gentlest medicine seems to be to read:

$$
\begin{aligned}
& \text { тó } \lambda \mu \alpha{ }_{\gamma} \dot{\alpha} \rho \epsilon i \kappa \grave{\omega} s
\end{aligned}
$$

"For like in spirit to the boldness of roaring lions he goes hunting in the athletic contest, but in cunning a vixen
At $N 4.16$ one might re-interpret $\tilde{v} \mu \nu o \nu$ of the paradosis as $\tilde{v} \mu \nu \omega \nu$ and make the passage run:
$\theta \alpha \mu \dot{\alpha} \kappa \epsilon \epsilon \tau \hat{\omega} \delta \epsilon \mu \epsilon ́ \lambda \epsilon \iota \quad \kappa \lambda \iota \theta \epsilon i s$
च̈ $\mu \nu \omega \nu \kappa \epsilon \lambda \alpha \dot{\prime} \eta \eta \sigma \epsilon \kappa \alpha \lambda \lambda i ́ \nu \iota к о \nu$
"If your father Timokritos were still being warmed by the powerful sun, with variously wrought accompaniment on the lyre he would often have reclined and celebrated with this strain of hymns the glorious victor..."

At P $6.14 \tau v \pi \tau o ́ \mu \in \nu o c$ of the paradosis could be re-interpreted as $\tau v \pi \tau o \mu \epsilon \in \nu \omega$, used in the $A b$ Vrbe Condita construction, giving this sentence:

"It (Pindar's treasury of songs) neither a wintry downpour, arriving as the inbrought (= mercenary, hostile) brutal army of a thundering cloud, nor a wind shall drive into the recesses of the brine with the smiting of the all-carrying scree." Pindar, familiar with Delphi, had the image of a scree-slope being set in motion by heavy rain or squalls.

At O 1.87 manuscripts give us, and editors accept,

I have always been sceptical about the notion that Poseidon gave Pelops winged horses to compete with Oinomaos. It would look so visibly unfair. Also, the wings would not help unless the horses soared into the air, in which event the car would capsize. I suggest that a $n u$ has fallen out and we should read

This would make a licit form of glyconic, followed by a polyschematist choriambic dimeter catalectic. At Theognis 551 the epithet of horses, $\tau \alpha \chi v \pi \tau \epsilon \prime \rho \nu o \iota \sigma \iota$, 'swift-heeled,' is trivialised in some deteriores to $\tau \alpha \chi v \pi \epsilon \epsilon \rho \circ \iota \sigma \iota$.

A syllable has dropped out at $N 4.62$ in the word offered by the paradosis as $\theta \rho \alpha \sigma v \mu \alpha \chi \hat{\alpha} \nu$. I would amend to $\theta \rho \alpha \sigma v \mu \alpha^{\prime} \chi \alpha \nu o s$, referring to Peleus, as at 06.67 the same epithet applies to Herakles. The passage would then go:
$\pi \hat{v} \rho$ ठє̀ $\pi \alpha \gamma \kappa \rho \alpha \tau \epsilon ̀ s$ $\theta \rho \alpha \sigma v \mu \alpha{ }^{\alpha} \chi \alpha \nu o ́ s ~ \tau \epsilon \lambda \epsilon o ́ v \tau \omega \nu$
ơ้ $\nu v \chi \alpha_{S}$ ỏ乡 $v \tau \alpha \dot{\alpha} \tau o v s \dot{\alpha}^{\alpha} \kappa \mu \alpha^{\prime} \nu$

"Boldly resourceful, having subdued all-mastering fire and the exceedingly sharp claws of lions and the strength of their dreadful teeth . ."

The problem of gloss substitution is raised by $O 1.63 \mathrm{f}$, where the veteres offer, unmetrically, oícıv $\dot{\alpha} \phi \theta \iota \tau o \nu \quad \theta \epsilon ́ \sigma \alpha \nu \alpha u ̉ \tau o ̀ \nu . ~ M u c h ~ f a v o u r ~$
 Mommsen's assumption would be that his $\theta \epsilon \in \nu \nu \nu$ was glossed by $\theta_{\epsilon}^{\prime} \sigma \alpha \nu \alpha u ̇ \tau o ̀ \nu$. It might, however, be a gentler medicine to write ois iv ${ }_{\alpha}^{\alpha} \phi \theta ı \tau o \nu \theta \epsilon \in \sigma \sigma \alpha \nu$ and assume that $\mathrm{OI} \Sigma \mathrm{IN}$, written continuously, was taken as oictv and av̇тò added for an object, with singling of the sigmas of $\theta \epsilon ́ \sigma \sigma \alpha \nu$.

There is a related problem at $N 4.68$, where the paradosis offers,
 of the past four centuries the learned seem to have been content with
 not very likely. I suggest that $\alpha \dot{\tau} \tau \hat{\varphi}$ is a gloss, and that the true reading
 C. D. Buck, The Greek Dialects (Chicago 1955) §118.4; §121. Maas restores it at $N 7.98$ in a similar context where divine favour is sought for a man and the generations of his posterity.

A crux at $N 6.43$ may derive from confusion caused by a gloss. The paradosis offers, unmetrically in 43:
 $\dagger \nu \kappa \alpha ́ \sigma \alpha \nu \tau^{\prime} \stackrel{\models}{\epsilon} \rho \epsilon \psi \epsilon \dagger \delta \alpha \sigma \kappa i o \iota s$
$\Phi \lambda \epsilon \iota \circ \hat{\nu} \nu \tau 0 s$ vi $\pi^{\prime} \omega^{\omega} \gamma v \gamma i o \iota s$ ô $\rho \in \sigma \iota \nu$.

Hermann produced acceptable metre by writing

$$
\nu \iota \kappa \omega ิ \nu \tau^{\prime} \eta ้ \rho \epsilon \phi \epsilon \delta \alpha \sigma \kappa i o \iota s . .
$$

The assumption that $\nu \iota \kappa \hat{\omega} \nu \tau^{\prime} \eta{ }^{\eta} \rho \epsilon \phi \epsilon$ was corrupted to $\nu \iota \kappa \alpha \alpha^{\prime} \sigma \alpha \nu \tau^{\prime} \stackrel{\%}{\epsilon} \rho \epsilon \psi \epsilon$ involves a double change of tense. Change of tense is indeed a common enough phenomenon, but two adjacent changes would be unparalleled in Pindar. It occurred to me that Pindar might have written $\nu i \kappa \alpha s \stackrel{\alpha}{\alpha} \nu \sigma \tau \epsilon \phi \epsilon(=\dot{\alpha} \nu \nu \epsilon \sigma \tau \epsilon \phi \epsilon)$, "wreathed for a victory," and that somebody glossed $\alpha \sim \nu \sigma \tau \epsilon \phi \epsilon$ by $\check{\epsilon} \rho \epsilon \epsilon \epsilon$, so that in uncials some copy appeared EPEYE
to a later copyist to present NIKA correction for what he read as $\sigma \tau \epsilon ́ \phi \epsilon$, he then made NIKA $\Sigma$ AN into the participle $\nu \iota \kappa \alpha ́ \sigma \alpha \nu \tau^{\prime}$. Misdivision would thus be an additional factor.

Misdivision may have led to the crux at $N 4.90$.

$$
\begin{aligned}
& \dagger \text { ó } \sigma o ̀ s ~ \dot{\alpha} \epsilon i \sigma \epsilon \tau \alpha \iota, \pi \alpha \hat{\imath} \dagger
\end{aligned}
$$

Pindar is excusing himself for not writing a special ode for the deceased Kallikles (80), maternal uncle of Timasarchos. At 90 he perhaps
 alive, celebrated him (Kallikles) with a will in song."

Misdivision in uncials could have led to the crux at I 6.46, in the prayer of Herakles for the baby Ajax:
 $\theta \eta \rho o ́ s, o ̂ \nu ~ \pi \dot{\alpha} \mu \pi \rho \omega \tau o \nu \dot{\alpha} \dot{\epsilon} \theta \lambda \omega \nu$


Stephanus proposed $\mu \epsilon \nu \hat{v} v$, but its corruption to $\mu i \mu \nu o \iota$ would be hard to explain. Perhaps the paradosis arose from misdivision of the uncials representing $\delta \dot{\epsilon} \rho \mu \mu^{\prime}$ " $\mu \mu^{\prime} \dot{\epsilon} \mu о$. $\triangle$ EPMAMEMOI could have been divided as $\triangle E P M A$ MEMOI. Then, having regard to the frequent resemblance of the narrow uncial epsilon to an iota, a scribe might go from what looked like MIMOI to MIMNOI. In any event, this corruption seems to involve two stages, as a few do.
Visual confusion and misdivision in uncials may be invoked also in solution of the difficulties at $O 13.114$, presented by the words of the
 $m u$ has been misread as double lambda, and that two words have been read as one, I would print the passage thus:
$\kappa \alpha i \pi \hat{\alpha} \sigma \alpha \nu \kappa \alpha \tau \dot{\alpha}$


$Z \epsilon \hat{v} \tau \epsilon \in \lambda \epsilon \iota$ ', $\alpha i \delta \hat{\omega}$ סídoı
$\kappa \alpha i \tau v ́ \chi \alpha \nu \tau \epsilon \rho \pi \nu \omega \bar{\nu} \gamma \lambda \nu \kappa \epsilon i \alpha \nu$.
Pindar has uttered a wishful allusion, at 105ff, to Xenophon's hopes for future Olympic victories and then gone on to catalogue miscellaneous victories of the Oligaithidai. Summing them up, he reverts to Xenophon's hopes, thus: "And all over Hellas, if you seek, you will find (their victories) more numerous than can be taken in together at a glance. May he (Xenophon) come swimmingly out with his nimble
feet. . . ." In an ode for a stadiodromos, a reference to nimble feet is more probably to those of the victor than to those of the poet, the
 accusative and infinitive of prayer at 114 seems to suit the context.

Dropping of a letter in uncials may explain the crux at $O$ 1.104, where the paradosis runs:
$\tau \hat{\omega} \nu \gamma \epsilon \nu v ิ \nu \kappa \lambda \nu \tau \alpha \hat{\imath} \sigma \iota \delta \alpha \iota \delta \alpha \lambda \omega \sigma \epsilon ́ \mu \epsilon \nu \dot{v} \mu \nu \omega \nu \pi \tau v \chi \alpha \hat{\imath} s$.

The metre needed is: trochaic dimeter + polyschematist choriambic dimeter+anaclastic dochmius. For metre a gentle medicine is Wilamowitz's $\dot{\alpha} \mu \hat{\alpha}$, but in sense it is superfluous with $\dot{\alpha} \mu \phi o ́ \tau \epsilon \rho \alpha$. Logically, it would imply that Pindar could find somebody either (1) ignorant of $\kappa \alpha \lambda \alpha$ and stronger than Hieron, or (2) expert in $\kappa \alpha \lambda \alpha$ and equally powerful with Hieron. Pindar is likely to have conveyed his compliment on the lines of that paid to Theron in $O 2.92 \mathrm{ff}$, where we find two comparatives co-ordinated:
$\epsilon \dot{v} \epsilon \rho \gamma \epsilon ́ \tau \alpha \nu \pi \rho \alpha \pi i \sigma \iota \nu \dot{\alpha} \phi \theta 0 \nu \epsilon ́ \sigma \tau \epsilon \rho o ́ \nu \tau \epsilon \chi \epsilon ́ \rho \alpha$
$\Theta \eta$ и́ $\omega \nu$ оs.

In $O 1.104$, to balance the comparative $\kappa v \rho \iota \omega \dot{\tau} \epsilon \rho \circ \nu$ there is needed a comparative in the corrupt place, after $\kappa \alpha \lambda \hat{\omega} \nu \tau \epsilon \ddot{\iota} \delta \rho \iota \nu$, where the older mediaeval Mss offer $\dot{\alpha} \mu \alpha \kappa \alpha i$ and later Mss had $\alpha \lambda \lambda \lambda o \nu \kappa \alpha i$ (Triclinian) or $\dot{\alpha} \lambda \lambda_{o \nu} \ddot{\eta}$ (Moschopoulean). Metre and sense are well satisfied if one writes 104 thus:

'I am sure that I shall not adorn with noble folds of hymns any other friend, among men now living, who is, in both respects, more expert in fine things and in power more authoritative."

The first half of a polyschematist choriambic dimeter can have four long syllables. For five long syllables successively in a verse of Pindar $c f .09$ epode 5 (Snell); $P 5$ strophe 7 (Snell); and for six longs $P 8$ epode 6. Cf. Corinna 1 Page (=Poetae Melici Graeci [Oxford 1962] 654) col. iii 18, 23, 28, 32; also Sophocles El. 121, 122; Phil. 204.

The Triclinian and Moschopoulean $\ddot{\alpha} \lambda \lambda o \nu$ may descend from original $\mu \hat{\alpha} \lambda \lambda o \nu$, which at the uncial stage had lost its initial $m u$ in the collocation $I \triangle P I N M A \wedge \wedge O N . A \wedge \wedge O N$, misread as $A M O N$, might have given rise to $\stackrel{\sim}{\alpha} \mu \alpha$ as an attempt to emend. Possibly the variants $\dot{\alpha} \lambda \lambda o \nu$ and $\ddot{\alpha} \mu \alpha$ stood in the first minuscule copy of the Photian renaissance, and thence travelled to separate branches of the family.

From attempts to mend faults in the paradosis I proceed to attempts to defend some places.

At $P 2.11$ editors print $\theta^{\prime} \dot{\alpha}_{\alpha} \rho \mu \alpha \tau \alpha$, the reading of the manuscript E and the Roman edition. But one may consider the variant $\tau^{\prime}{ }^{\alpha} \rho \mu \alpha \tau \alpha$, offered by C prim. D G and V. There is a word ${ }_{\alpha}^{\alpha} \rho \mu \alpha(B)$ in LSJ, apparently derived from $\dot{\alpha} \rho \alpha \boldsymbol{\rho}^{\prime} \sigma \kappa \omega$ and meaning 'union, love.' It is a Delphic word, and thus not unsuited to Pindar, who frequented Delphi, for use in a Pythian ode. The sentence would run thus:
$\xi \epsilon \sigma \tau o ̀ \nu$ ö $\tau \alpha \nu \delta i ́ \phi \rho o \nu$
$\stackrel{\nu}{\epsilon} \nu \tau^{\prime}{ }^{\alpha} \rho \mu \mu \tau \alpha \pi \epsilon \iota \sigma \iota \chi \alpha ́ \lambda \iota \nu \alpha \kappa \alpha \tau \alpha \zeta \epsilon v \gamma \nu v^{\prime} \eta$ $\sigma \theta$ '́vos ĩ $\pi \pi \iota o \nu, .$.
"whenever he joins together a polished chariot and the strength of horses into unions that obey the reins" (= chariot-teams). At $N 7.83$ editors print Hermann's text:
$\beta \alpha \sigma \iota \lambda \hat{\eta} \alpha$ ס $\dot{\epsilon} \theta \epsilon \hat{\omega} \nu \pi \rho \epsilon ́ \pi \epsilon \iota$
 ó $\pi i$.

But D offers $\theta \epsilon \mu \epsilon \rho \hat{\alpha}$, $\mathrm{B} \theta \alpha \mu \epsilon \rho \hat{\alpha}$, and the true reading may be $\theta \epsilon \mu \epsilon \rho \hat{\underset{c}{o}} \boldsymbol{o} \pi i$. Hesychios glosses $\theta \epsilon \mu \epsilon \rho_{o ́ s}$ with $\beta \epsilon \in \beta \alpha \iota o s, \sigma \epsilon \mu \nu o ́ s, ~ \epsilon \dot{v} \sigma \tau \alpha \theta{ }_{\eta}{ }^{\prime} s$. One may compare Aesch. PV $134 \tau \dot{\alpha} \nu \quad \theta \epsilon \mu \epsilon \rho \hat{\omega} \pi \iota \nu \alpha i \delta \hat{\omega}$. But the metrical problem is not easy. Snell thinks the line (epode 4) is analysable as glyconic+ cretic, the glyconic having a tribrach ending. But, comparing the iambic metra at the ends of lines 1,2 and 7 of the strophe, it seems as if epode 4, and epode 3, can be analysed as glyconic (with final anceps) + diiamb. If so, D's reading might stand as an example of choriamb equivalent to diiamb.

In $N 6$ elisions at 13 b and 50 b have troubled the learned with metrical perplexities. Snell describes the metre as: "aeolica, dimetra, choriambica ad dactylos vergentia." Perhaps we should run together what in modern editions are the last two lines of the strophes and antistrophes, and regard them as constituting polyschematist iambo-
choriambic tetrameters, based on a rhythm equivalent to the choriamb, thus:

(choriamb + ionicus a maiore + choriamb + diiamb)

(ditrochee+ antispast+ molossus+ diiamb)
At $N 6.35$ a boxer is described in the paradosis of the veteres as $\chi \epsilon i \rho \alpha s$ i $\mu \alpha \nu \tau \omega \theta \epsilon i s$, which Triclinius changed metri gratia to $\chi \epsilon i \hat{\rho} \alpha s$ i $\mu \alpha \alpha_{\nu \tau \iota}$ $\delta \epsilon \theta \epsilon i s$. The assumed corruption does not seem plausible. What is the metre? Turyn noted: "Discriptio metrica non paucis locis dubia est." Snell's description is: "aeolica, dimetra, choriambica ad dactylos vergentia." In other strophes verse 6 runs:


We seem to be confronted with a pair of polyschematist choriambic dimeters. If so, then i $\mu \alpha \nu \tau \omega \theta \epsilon i$ would scan, on the assumption that a molossus -- - can respond to an Ionicus a minore $u-$ - . Hesychius has the verb i $\mu \alpha \nu \tau o \dot{\prime} \omega$, 'furnish with straps,' the sense required.

At O 10.46, where Heracles is laying out the Olympian precinct, the veteres offer:
46

Some Byzantine of the Palaeologan age altered 46 f to

But how likely is it that $\pi \epsilon \delta \sigma \nu$ would have been corrupted to $\delta \dot{\alpha} \pi \epsilon \delta o \nu$ ? Now it may be remembered that, in Aesch. PV 829, the paradosis offers . . . $\pi \rho \dot{\rho} s$ Moخoorò $\delta \dot{\alpha} \pi \epsilon \delta \alpha$, which Paley retained, allowing the initial alpha in $\delta \dot{\alpha} \pi \epsilon \delta \alpha$ to be scanned long. If the same prosody obtained here, line 46 would scan as 3 rd paeon +4 th paeon + cretic, $\sim u-v|\cup v u-|-v-$, which would be an acceptable responsion to other strophes.
Once again the basic soundness of the Pindar paradosis in the veteres appears from close examination.
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