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Abstract
In Old English pronouns and short adverbs such as *ba* ‘then’, *ðær* ‘there’, and *bonne* ‘then’ tend to cluster in clause-initial position together with conjunctions as indicated in italics in the following example (cf. Kuhn 1933, Fourquet 1938, Hopper 1975, Hock 1985, van Kemenade 1987, Pintzuk 1991, 1996, 1999, and Fischer et al. 2000).

\[
\text{ond } h\text{-hyn } b\text{-}a \text{ begen } \text{abroten } h\text{-}e\text{fdon, Beo 2707}
\]

‘and they had destroyed him together’

This paper examines the distribution and stress of pronouns and short sentential adverbs in Old English *Beowulf* and show that they are sentential clitics.

As evidence for this claim, those pronouns and short adverbs that cluster in clause-initial position are metrically unstressed (cf. Kuhn 1933 and Pintzuk 1991, 1996, 1999). In addition, these elements occur in a sequence in a specific order and some of the pronouns show the phenomenon of clitic climbing. Also, personal pronouns tend to avoid clause-initial position although not demonstrative pronouns and adverbs (cf. Hopper 1975 and Pintzuk 1991, 1996, 1999). On the other hand, many of the non-clitic i.e. stressed counterparts appear to be under emphasis: they occur in pre-verbal position. In case of pronouns, they are accompanied by appositive phrases. Also, the first and the second person pronouns are more often stressed than the third person pronouns presumably because they are discourse prominent.

**Keywords:** clitics, pronouns, adverbs, Old English, *Beowulf*
1. Introduction

In Old English pronouns and short adverbs tend to cluster in clause-initial position (cf. Kuhn 1933, Fourquet 1938, Hopper 1975, Hock 1985, van Kemenade 1987, Pintzuk 1991, 1996, 1999, and Fischer et al. 2000). For example, in line 2707 from the alliterative verse Beowulf given in (1), two pronouns and an adverb occur in a sequence following the clause-initial conjunction, as indicated in italics.

(1) ond hī hyne pā bēgen ābroten hæfdon,
   and they-NOM. him-ACC. then both destroyed had
   ‘and they had destroyed him together’

These pronouns and short adverbs are unstressed in verse (cf. Kuhn 1933 and Pintzuk 1991, 1996, 1999). Based on their distribution and stress status, some scholars such as Kuhn (1933), van Kemenade (1987), and Pintzuk (1999) claim that they are clitics in Old English. On the other hand, Hock (1985) calls them ‘light elements’ instead and Koopman (1997) is skeptical about their clitic status.

This paper examines the distribution and stress of pronouns and short adverbs in the Old English epic poetry Beowulf and shows that they have several features that are characteristic of clitics. In what follows, section 2 discusses general properties of clitics that have been reported in earlier literature, i.e. prosodic deficiency and syntactic anomaly. Section 3 illustrates the structure of Germanic alliterative verse in which Beowulf is composed. It shows how to interpret the information on phrase-level stress that is not marked in the texts but is encoded in verse structure. Based on these two sections, section 4 below and in Part II presents prosodic and syntactic evidence for the clitic status of pronouns and short adverbs. They typically occur in clause-initial unstressed position in a specific order among themselves. On the other hand, many of the stressed non-clitic counterparts appear to be under emphasis.

2. General properties of clitics

Clitics are typically grammatical elements such as pronouns, conjunctions, auxiliaries, determiners, adpositions, and particles that are prosodically dependent on a neighboring word. Numerous studies on clitics in various languages report two prominent characteristics, i.e.

Phonologically, clitics lack their own prosodic domain, lean on a neighboring accented word or their host, and form a phonological word with this host. They are generally unaccented and often undergo phonological reduction although they may receive accent by position.


(2)  
   a. ‘Second’ after the first word
       Taj mi je pesnik napisao knjigu.
       that me-DAT. AUX poet wrote book
       ‘That poet wrote me a book.’

   b. ‘Second’ after the first constituent
       Taj pesnik mi je napisao knjigu.
       (Examples from Spencer 1991: 355, 9.19)

While second position is typical of sentential clitics in many languages including Serbo-Croatian, recent studies on the position of clitics posit two independent but interacting ordering principles that yield second position (cf. Halpern 1995, Pintzuk 1991, 1996, 1999, Taylor 1996, and Hale 2007 among others). First, clitics occur at the periphery of their domain, in case of sentential clitics, typically in clause-initial position. Second, the domain-initial clitics and the next word or element are inverted possibly in order for enclitics to gain a host. Of the two processes, the first is assumed to be a syntactic process while the second is attributed to prosody and is called ‘Prosodic Inversion’ (cf. Halpern 1995) or ‘phonological cliticization’ as opposed to ‘syn-
tactic cliticization’ (cf. Pintzuk 1996, 1999). Alternatively, in Optimality Theoretic analysis of clitic placement by Anderson (2005: 145), second position is defined in terms of interaction of two constraints: LeftMost that places elements at the left periphery of their domain and NonInitial that prohibits elements from being initial in their domain. These two constraints correspond to syntactic cliticization and Prosodic Inversion in the rule-based analysis just mentioned.

Placing clitics in second position or any other specific position in the clause neglects the otherwise observed rules of syntax, thereby creating distributional anomalies. For example, in the example given in (2a) above, placing the pronoun and the auxiliary in second position creates a discontinuous element that consists of the demonstrative preceding these clitics and the head noun following them.

In addition, clitics may have different distributional patterns from those of non-clitic counterparts. To take examples from Serbo-Croatian again, since clitics are placed consistently in second position irrespective of what precedes and follows, in (3a) the dative pronominal clitic is placed between the verb and the direct object, while the non-clitic dative pronoun in (3b) and the nominal dative object in (3c) follow the direct object.

(3) a. Pronominal clitic
   Daj \textit{mi} knijigu.
   give-2SG.IMP. me-DAT. book
   ‘Give me a book.’

b. Non-clitic pronoun
   Daj knjigu \textit{meni}.
   give book me-DAT.
   ‘Give me a book.’

c. NP
   Daj knjigu \textit{Biljani}.
   give book Biljana-DAT.
   ‘Give Biljana a book.’

(Examples from Radanović-Kocić 1988: 77-78, (35), (35’), and (35’’))

That is, second position clitics are subject to ordering principles distinct from those for non-clitics.
Another piece of evidence that clitic placement is in part insensitive to the structural information is a phenomenon called ‘clitic climbing’. That is, pronominal clitics that are the arguments of the infinitive are moved from their domain to a higher clause. In (4), again a Serbo-Croatian example, the pronominal clitics mu and ga occur preceding the finite verb rather than adjacent to the infinitive to which they belong (cf. Zwicky 1977: 22, Radanović-Kocić 1988: 66, 1996, Spencer 1991: 358, and Anderson 2005: 117-118).

(4) Ja mu ga želim dati.
    I-NOM. him-DAT. it-ACC. I-want give-INF.
    ‘It’s me that wants to give it to him.’
    (Example from Spencer 1991: 358, 9.23b)

This phenomenon shows that cliticization as a prosodic phenomenon may neglect the internal structure of the clause, which is syntactic information.


(5) Serbo-Croation clitic order
    li — AUX/COPULA — DAT. — ACC./GEN. — REFL. — je
    N.B. li question marker
          je 3SG.PRES. of the verb ‘to be’
          AUX all the auxiliaries except je

In (6) is given an example of ordered clitics indicated in italics.

(6) Da li si mi ga se zasitio?
    EXPLETIVE Q be-2SG.PRES. 1SG.DAT. 3SG.GEN.M. REFL. be-fed-up
    ‘Are you fed up with it?’
    (Example from Radanović-Kocić 1988: 138, (132))
The clause-initial particle in (6) is an expletive element that serves as a host of the following clitics.

Before showing in section 4 that Old English pronouns and adverbs have similar distributional properties as Serbo-Croatian clitics, interpretation of stress in alliterative verse is discussed in the next section.

3. Structure of Germanic alliterative verse

In the traditional metrical analysis, one verse or halfline typically consists of two stressed positions and two unstressed positions or lifts and drops, respectively. Two verses form a long line by means of alliteration of lifts: the first lift of the second halfline alliterates with at least one lift in the first halfline (cf. Sievers 1885, 1893, Pope 1966, Cable 1974, Bliss 1962, 1967, Hutcheson 1995, Suzuki 1996, and Stockwell and Minkova 1997). For example, in line 102 from Old English Beowulf given in (7), the stressed syllables of the four content words fill the lifts, as indicated by the acute accent, while grammatical words and the unstressed syllables form drops.

(7) wurde grimma gast Gréndel håten, 102
was the grim spirit Grendel called
‘the grim spirit was called Grendel’

The two lifts of the first halfline or the a-verse begin with the same sound with the first lift of the second halfline or the b-verse, as indicated by the underline. The pattern of alliteration must be trochee in the b-verse: the first but not the second lift alliterate. On the other hand, either lift or both may alliterate in the a-verse: in (7) the a-verse shows double alliteration. The non-alliterating lift in the trochaic verse is filled by a stressable word that follows the alliterating word, e.g. håten in 102b in (7).

As another prominent feature of alliterative poetry, while lifts are typically filled by one stressed syllable unless resolved, drops may accommodate more than one syllable, in Beowulf as many as six (cf. Bliss 1962, 1967, Fulk 1992, Suzuki 1996, and Suzuki 2006-7). Polysyllabic drops are characteristic of clause-initial positions. For example, in (7) the first and the clause-initial drop consists of two syllables, i.e. wages, while the other three drops consist of one syllable each, i.e. -ma in the a-verse and -del and -ten in the b-verse.

Although stress is not marked in the texts, alliteration, lifts, drops, and other metrical...
properties reflect prosodic structure. Thus, lifts are filled by the stressed syllable of content words such as nouns, adjectives, and lexical verbs while drops are filled by grammatical words and the unstressed syllables of content words (cf. Rieger 1876, Sievers 1885, 1893, Suzuki 1996, Stockwell and Minkova 1997, and Minkova 2006). Alliteration marks strong phrasal stress in that alliterating words stand out. It has also been pointed out that stress of finite verbs and grammatical words is determined by the position where they occur in the clause (cf. Kuhn 1933). That is, clause-initial sequences of light elements generally occur in metrically unstressed positions. These stress-related metrical patterns are likely to reflect natural stress, possibly not in every detail, but at least recurrent patterns must follow from actual phrasal stress.

In anticipation of the discussions in section 4, some further qualifications in the interpretation of metrical structure are necessary. First, alliteration on grammatical words are considered non-functional when there are more stressable elements that alliterate. For example, in 755a in (8) below, the two content words as well as the pronoun him begin with the alliterating sound. Since hyge and hinfūs are more stressable than him and thus are better candidates for the two lifts, alliteration on him must be unintentional. The pronoun him is thus part of a drop.

(8) Hýge wæs him hínfūs, wolde on hólster flēon, 755
mind was him-DAT. eager-to-get-away would to hiding-place flee
‘his heart was eager to get away, he would flee to his hiding-place’

éafōd ūncūpes. Ûbe ic swīpor, 960
strength unknown wished I-NOM. rather
‘the strength of the unknown one. I should have wished rather’

Similarly, in 960b there are two words that begin with the alliterating sound: ūbe and ic. Since the b-verse allows only one alliterating lift and the verb is more stressable and thus is a better candidate for a lift than the pronoun, the initial stressed syllable of ūbe fills the third lift while ic fills a drop.

While analysis of the verses given in (8) is straightforward, there are subtler cases where the two alliterating candidates for one stressed position are both weakly stressable elements. Alliteration of such verses is determined by the metrical behaviors of these words in other verses. For example, two pronouns begin with the alliterating sound in 251b in (9), i.e. ic and òwer.
While *ic* never bears unambiguous alliteration in *Beowulf*, *eower* occurs in an alliterating lift in the verse given in (10).

(10) átōle êcgþæ sceaf *ic* eower lēode 596
terrible sword-storm your people
‘the terrible sword-storm of your people’

Pronouns as a group are weakly stressable. However, when two pronouns occur in a sequence, it is always the second or non-nominative that alliterates, as in (11).

(11) *ic* him pā māðomas, þē hē mē séalde, 2490
I-NOM. him-DAT. the treasures that he-NOM. me-DAT. gave
‘I repaid him the treasures that he gave me’

þēoden Hrōðgār, þæt *ic* þē sōhte, 417
lord Hrothgar that I-NOM. you-DAT. sought
‘lord Hrothgar, that I should seek you’

ōing wið þyrse. *Ic* þē nū ðā, 426
meeting with demon I you-DAT. now then
‘affairs with the demon. Therefore, I [will make a request] of you’

Whether it is a matter of the position, i.e. earlier vs. later, or of the case, i.e. nominative vs. non-nominative, is not obvious. At any rate, the evidence just given suggests that in (9) *eower* rather than *ic* must fill the third lift. That is, the alliteration on *ic* is non-functional.

Another example is the choice between the pronoun *ūs* and the adverb *ā* in the b-verse given in (12).
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(12) ealdor dúgoe. Ús wæs a sýðdan 2920
  chief body-of-retainers us-DAT. was ever since
  ‘that chief to his retainers. Ever since then has been [denied] us’
OR ealdor dúgoe. Ús wæs a sýðdan

Although both pronouns and short adverbs are weakly stressable, clause-initial pronouns do not bear unambiguous alliteration while non-initial weakly stressable elements sometimes do. For example, in 881b in (13) the adverb a is likewise the third element in the clause and is the only element that alliterates.

(13) ēam his néfan, swā hīe a wæron 881
  uncle his nephew as they-NOM. always were
  ‘the uncle to his nephew, for they were always...’

The metrical status of the adverb in (13) suggests that also in (12) above the adverb rather than the pronoun fills the third lift. Yet another example is the choice between a pronoun and a verbal prefix in (14), again both of which are weakly stressable, i.e. ûs and on- in the b-verse.

(14) for ārstáfum ûs onsénde, 382
  by grace us-DAT. sent
  ‘he sent [him] to us of His grace’
OR for ārstáfum ûs ònsénde,

Verbal prefixes generally do not alliterate and the prefix on- never bears unambiguous alliteration. On the other hand, clause-non-initial non-nominative pronouns sometimes fill a lift as discussed above. Although none of the other occurrences of ûs fills a lift, other inflected forms of the first person plural pronouns may alliterate, as ûsic in the third lift in 458b in (15).

(15) ond for ārstáfum ûsic sōhtest. 458
  and for favors us-ACC. sought
  ‘and for past favors you have sought us’

The evidence just presented suggests that in 382b in (14) the pronoun is more stressable than
the verbal prefix and thus fills the alliterating lift as indicated in the first line.

In addition to non-functional alliteration, another complexity in metrical structure is violation of the two-lift requirement. That is, many of clause-initial a-verses apparently have only one lift. For example, in (16) the a-verse consists of a sequence of clause-initial light elements and one alliterating word. While the alliterating word fills a lift and a drop, none of the preceding grammatical words is a likely candidate for the first lift.

(16)  
\begin{align*}
\text{pri} & \text{me} & \text{gel} & \text{ärdon} & \text{leode} & \text{míne}, \quad 415 \\
\text{then me-DAT. that-ACC. advised people my}
\end{align*}

‘therefore my people advised me thus’

\begin{align*}
\text{bæt} & \text{ðú} & \text{mí} & \text{ne} & \text{forwyrne}, \quad 429a \\
\text{that you-NOM. me-DAT. not refuse}
\end{align*}

‘that you refuse me not’

\begin{align*}
\text{ond hí} & \text{hyne} & \text{bæ} & \text{bêgen} & \text{âbrôten} & \text{hêfdon}, \quad 2707 \\
\text{and they-NOM. him-ACC. then both destroyed had}
\end{align*}

‘and they had destroyed him together’ (same as (1) above)

There are two possible interpretations for verses as those in (16). First, since the canonical verse has two lifts, choosing one of the grammatical words preceding the alliterating word as the first lift would make the verse conform to the two-lift requirement (cf. Sievers 1885, 1893, Kuhn 1933, Pope 1966, and Cable 1970, 1974). However, this analysis has the disadvantage of arbitrarily choosing one of the weakly stressable light elements as metrically stressed. In addition, this type of verses has the exceptional iambic pattern of alliteration while trochee or double alliteration is the norm.

The second possibility is to claim that clause-initial a-verses as in (16) have only one lift in violation of the two-lift requirement (cf. Bliss 1967, Hoover 1985, Suzuki 1996, Stockwell and Mikova 1997, and Suzuki 2006-7). This analysis has the advantage of avoiding the arbitrary decision concerning the first lift in addition to not yielding the exceptional iambic alliterative pattern. As support for this one-lift analysis, similar clause-initial sequences of light elements often precede the first lift in regular two-lift verses. In (17) are given a clause-initial a-verse with two alliterating lifts, i.e. 183a, and clause-initial b-verses, i.e. 1590b and 1674b (cf. also Hoover
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1985).

(17) \(\text{nē hīe } hūru \text{ hēofena Hēlm } \text{ hērian ne cūpon,}\) 182

nor they-NOM. indeed heavens protector praise not knew
‘nor indeed did they know how to praise the Protector of Heaven’

\(\text{ond hine } \text{ pā } \text{ hēafde becēarf.}\) 1590b

and him-ACC. then head cut-off
‘and thus he cut off his head’

\(\text{pæt pū } \text{ him } \text{ ongrādan ne } \text{ þēarft,}\) 1674b

that you-NOM. him-DAT. fear not need
‘that you need not have fear for him’

As shown, the italicized words together form a drop in (17). The fact that the entire sequence of light elements is unstressed in two-lift verses suggests that similar sequences in a-verses as in (16) form a drop as well in violation of the two-lift requirement.

The analysis just given implies that grammatical words in similar clause-initial sequences do not bear functional alliteration where there is at least one alliterating content word in the same verse. For example, in the a-verse in (18), both the demonstrative pæs and the adverb bonne as well as the root syllable of the following verb ofjyncan begin with the alliterating sound.

(18) \(\text{Mæg pæs } \text{ bonne ofjyncan } \text{ ðēodne Hēaðo-Beardna}\) 2032

may that-GEN. then displease lord Heathobards
‘it may then displease the lord of the Heathobards’

Given that the entire clause-initial sequence of grammatical words must be unstressed, neither the demonstrative nor the adverb bears functional alliteration and thus these two words together with the initial auxiliary must be metrically unstressed.

Based on the metrical analysis just illustrated, section 4.2 in Part II will show that pronouns and short adverbs tend to be unstressed in clause-early position, but are typically stressed in clause-late position. On the other hand, the analyses of ambiguous cases such as (9), (12), and
partly follow from this very claim on the relation between stress and word order, which gives the impression of circularity. Note, however, that the decision made above is supported by independent evidence of unambiguous cases. Therefore, metrical stress as has been shown so far supplies the firm basis of the claim made in section 4.

4. Pronominal and adverbial clitics in Beowulf

A number of earlier literature has observed that pronouns and short adverbs in Beowulf cluster in clause-early position and are unstressed in verse (cf. Kuhn 1933, Fourquet 1938, van Kemenade 1987, 2002, Hock 1985, Pintzuk 1991, 1996, 1999, Suzuki 2001, and van Kemenade and Los 2006). They occur predominantly at the beginning of the clause together with a conjunction or a subordinator, as in (19a) (cf. also (16), (17), and (18)), but may also occur after a stressed word, especially after the finite verb, as in (19b) (cf. also (8)).

(19) a. Unstressed pronouns and short adverbs in clause-initial position

\[
\begin{align*}
\text{hi} & \quad \text{hyne} \quad \text{brēn} & \quad \text{tō} \quad \text{brēneas} \quad \text{fāro} & \\
\text{they-NOM.} & \quad \text{him-ACC.} & \quad \text{then carried} & \quad \text{to sea’s current} \\
\text{‘then they carried him down to the sea-currents’}
\end{align*}
\]

\[
\begin{align*}
\text{pā} & \quad \text{him} & \quad \text{swē} \quad \text{geb} & \quad \text{warðfod} \quad \text{wæ} & \\
\text{since them-DAT.} & \quad \text{so necessitated was} & \\
\text{‘since necessity forced them’}
\end{align*}
\]

\[
\begin{align*}
\text{He} & \quad \text{mec} & \quad \text{pār} & \quad \text{on} \quad \text{innan} & \quad \text{ünsynnigne} & \\
\text{he-NOM.} & \quad \text{me-ACC.} & \quad \text{there in inside} & \quad \text{guiltless} & \\
\text{dōr} & \quad \text{dædruma} & \quad \text{geðōn wólde} & \\
\text{fierce doer-of-evil-deeds} & \quad \text{do would} & \\
\text{mánigra sūmne} & \quad 2089-2091a & \\
\text{many one} & \\
\text{‘the fell doer of evils would put me therein guiltless, one of many’}
\end{align*}
\]
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b. Unstressed pronouns and short adverbs after a stressed word

\( \text{Hylde } \text{hine } \text{bē } \text{héapodeor} \), 688a
bent-down him-ACC. then battle-brave
‘then the battle-brave one laid himself down’

\( \text{Métod } \text{hīe } \text{ne } \text{cúpon} \), 180b
God they-NOM. not know
‘they recognized not the Lord God’

This section provides evidence from Beowulf that most pronouns and many of adverbs that form a phrasal category on their own are sentential clitics. Clitichood is determined on a token basis rather than a type or category basis.

Pronouns discussed in this section refer to both personal and demonstrative pronouns. Pronominal objects of prepositions or genitive/possessive pronouns that directly precede or follow the noun that they modify are part of a phrasal category and are not sentential clitics. However, genitive pronouns that form a constituent on their own or are separated from the head noun are discussed as possible candidates for clitics. Relative and interrogative pronouns have no freedom in distribution, like conjunctions, and thus are exempted from considerations.

Other than lack of stress, there is no phonological evidence in Old English that shows that pronouns are sentential clitics. Koopman (1992: 80-83) provides evidence that the second person pronoun is encliticized to the verb, but there is apparently no restrictions on the position of the verb that serves as the host for the enclitic pronoun. Therefore, Koopman’s examples show that the pronoun is a verbal clitic, i.e. a clitic that is prosodically attached to a finite verb, rather than a sentential clitic. Also, Suzuki (2008) gives some examples of the contracted wēn’ ic from the verb-pronoun sequence wēne ic ‘think I’ in Beowulf, which again suggests that the pronoun is a verbal clitic.

By ‘short’ adverbs is meant sentential adverbs, especially those called ‘demonstrative’ (cf. Andrew 1940), ‘pronominal’ (cf. Hopper 1975), ‘deictic’ (cf. Hock 1985), or ‘orientational’ (cf. Stockwell and Minkova 1992) and some other adverbs that may also be used as a conjunction to introduce a subordinate clause, such as \( \text{bā } \text{then} \), \( \text{bēr } \text{there} \), \( \text{bonne } \text{so} \), \( \text{swā } \text{also} \), \( \text{sydān } \text{after} \), \( \text{ēr } \text{before} \), and \( \text{nī } \text{now} \). They are typically mono- or disyllabic, i.e. ‘short’, and underived. They are anaphoric in meaning and have a linking function. These adverbs are weakly stressable, often occur in the unstressed position in verse but occasionally fill a
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lift. In contrast, denominal and other derived adverbs such as sōdtīce ‘truly’, swēðe ‘very’, and ægelgedere ‘together’ are content words and cannot be clitics (cf. Hale 2007: 212-213). In fact they usually fill a lift. Directional adverbs such as ford ‘forth’, up ‘up’, and ūt ‘out’ and those adverbs that may be used as a preposition such as in ‘in’, on ‘on’ iō ‘to’, and undor ‘under’ also fill a lift. Among other underived adverbs, eft ‘again’, ëac ‘also’, gōt ‘yet’, sōna ‘soon’, and hrāðe ‘quickly’ tend to fill a lift while some other adverbs such as oft ‘often’ and ā ‘ever’ may also fill a drop. The negative adverb ne consistently precedes the finite verb and may be contracted with it, e.g. næs from ne næs ‘not was’ (cf. Campbell 1959, Brunner 1965, and Suzuki 2008). However, ne is a verbal clitic and not a sentential clitic. For many of adverbs such as næfre ‘never’, there are not enough examples for determining their status. I discuss in this section only those adverbs that have a linking function and in this respect form a semantic class together with pronouns. Again adverbial clitics are only those that form a constituent on their own and do not include adverbs that modify an adjective or another adverb and adverbs in idioms, e.g. þā gēn ‘further, still’, þā gōt, ‘further, besides’, nū þā ‘now then’ (cf. 426b in (11) above), and swā þēah ‘so nevertheless’ (cf. Kuhn 1933: 13 and Klaeber 1950).

Section 4.1 below examines distributional peculiarities of pronouns and short adverbs in Beowulf. Since pronouns tend to occur in clause-early position, they observe different ordering principles from those of nouns. Also, pronouns and adverbs occur in a specific order in clause-early position. Section 4.2 in Part II examines the correlation between stress and distribution of pronouns and short adverbs in Beowulf. As was pointed out by Kuhn (1933) and Pintzuk (1991, 1996, 1999), they tend to be unstressed in clause-early position but are more often stressed in clause-late position. For examination of particular word forms, I used Klaeber’s (1950) glossary and Bessinger and Smith (1969).

4.1. Order of pronouns and short adverbs

In Beowulf most pronouns and short adverbs occur in a clause-initial sequence and less often in second position after the clause-initial stressed word. Although these words may also occur later in the clause, they seem to have little freedom in their distribution, as Serbo-Croatian sentential clitics. Since pronouns are normally placed before any lexical element except for the verb, the pronominal object usually precedes the nominal subject, thus creating an anomalous OS-order (cf. van Kemenade 1987 and Pintzuk 1999). For example, in (20) the accusative pronoun precedes the nominal subject in both examples.
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(20)  
\[ hine \ fýrwyt \ bræc \]
him-ACC. curiosity pressed

mødgehýgdum, 232b-233a
thoughts
‘strong desire stirred him in mind’

gif mec hild níme, 452b
if me-ACC. battle take
‘if battle takes me’

Also, in parallel with Serbo-Croation examples in (3) above, the dative pronoun again precedes the nominal subject, as in (21).

(21)  
\[ Dām \ ęfeara wæs ęfter cénned \]
him-DAT. son was later born
geông in géardum, 12-13a
young in dwelling
‘afterwards a son was born to him, a young boy in his house’

\[ Him ęählenrōf ęndswárod, 340 \]
him-DAT. then famed-for-courage answered
‘the man known for his courage replied to him then’

The prosodically motivated word order principle, i.e. light before heavy, was prioritized over the ‘basic’ order. On the other hand, lexical elements may be placed clause-initially as a topic, preceding any pronouns and thereby creating a non-basic order. For example, in 180b in (19b), the clause-initial nominal object precedes the pronominal subject. In addition, nominal subjects may be placed in clause-late position as in 2089-2091a in (19a) above, thus following the accusative and dative noun phrases and showing the same order as in (20) and (21). Thus, the above examples from Beowulf may not appear to be strong enough evidence for different ordering principles for pronouns and nouns. However, Ries (1907: 80-81) observes that in Beowulf subject-verb inversion is distinctively more frequent with a nominal subject than with a pronominal subject. That is, the ratio of the VS-order is 48.5% with a nominal subject but only 22.3% with a
pronominal subject. Alternatively, more than half of the clauses with SV-order has a pronominal subject but only about one fourth of the clauses with VS-order has a pronominal subject. Also in later Old English there is a difference in order between pronominal and nominal subjects. That is, in main clauses beginning with a topic or the adverb þæn ‘then’, subject-verb inversion is the norm with a nominal subject but not with a pronominal subject (cf. Fischer et al. 2000: 49-50, 118 and Fischer and van der Wurff 2006: 183).

There are also examples of clitic climbing in Beowulf and in Old English in general (cf. van Kemenade 1987). For example, in (22) the pronoun ēower in 251b is the object of the infinitive witan that occurs later in the clause and not the auxiliary sceal.

(22) Nū ic ēower scéal
    now I-NOM. your-GEN. must
    frúmcyn witan, 251b-252a
    lineage know
    ‘now I must learn your lineage’

    ‘Ēow hēt sécgan ségedrihten mín, 391
    you-DAT. ordered say victorious-lord my
    ‘my victorious lord has bidden [me] to say to you’

In 391a the clause-initial pronoun is not the indirect object of the directly following finite verb hēt, but of the infinitive sécgan after the finite verb. This sentence occurs in a speech by Wulfgar, where he tells Beowulf and his companions that his master Hrothgar, the subject of hēt, ordered him, i.e. Wulfgar, which is suppressed in the sentence given, to tell the addressees, i.e. ēow, Beowulf and his companions, that Hrothgar knows who Beowulf is. Thus the clause-initial pronoun must be an argument of sécgan rather than of hēt.

Pronominal and adverbial clitics in Old English

(23) Order of light elements in *Beowulf*

(i) conjunction  
(ii) personal pronouns
(iii) demonstrative pronoun
(iv) adverb

That is, the order of clause-initial light elements is: (i) a clause-linker, i.e. a conjunction, an adverb, a demonstrative pronoun, or a relative marker, (ii) one or more personal pronouns in the order nominative - accusative - dative, (iii) a demonstrative pronoun, and (iv) an adverb. A demonstrative pronoun or a short adverb may either occur initially or after the personal pronoun(s). Not all the four positions are necessarily filled. The sequence of clitics as given in (23) is rarely disrupted by any other element including light finite verbs in *Beowulf* (cf. also section 4.2. in Part II). While unstressed pronouns and adverbs occur clause-initially more often than in second position, clause-initial position tend to have longer sequences of clitics than second position. I give examples of main clauses first.

Examples in (24) below show the order of a short adverb with respect to pronouns: it may occur clause-initially, preceding pronouns, as in (24a) (cf. also 415a in (16) above), or follow the clause-initial sequence of pronouns, as in (24b) (cf. also 28a and 2089a in (19a) above).

(24) a. *þær heð dôme forlēas,* 1470b

there he-NOM. glory lost
‘there he lost his glory’

b. Ic hit þē *bonne gehāte,* 1671a

I-NOM. it-ACC. you-DAT. then promise
‘then I promise you that’

ic þæt *bonne forhīcge,* 435a

I-NOM. that-ACC. then scorn
‘then I scorn that’

The first position is often occupied by a finite verb: cf. 688a in (19b) above. In some examples
two adverbs occur in a sequence without any pronouns between them, as in (25).

(25) Fand þa ðær ēne ęþelinga gedrīht 118
found then there inside nobles band-of-retainers
‘then he found therein a band of nobles’

þa ðær sōna wēarō
then there quickly came-to-pass

édhwyrft ēorlum, 1280b-1281a
change noblemen
‘then change came quickly to the earls there’

Again a sequence of adverbs may either be clause-initial as in 1280b or follow the clause-initial verb as in 118a.

Among different types of pronouns, a demonstrative pronoun may either precede or follow personal pronouns, e.g. (26a) and (26b), respectively, but does not occur between two personal pronouns (cf. also 415a in (16)).

(26) a. ọā ic ọē, béornycýning, brīgan wīlle, 2148
those-ACC. I-NOM. you-DAT. king-of-warriors bring will
‘I will bring these to you, great king’

þæt hē on ọwulfes béarm ǣlégde, 2194
that-ACC. he-NOM. in Beowulf’s lap laid
‘he laid that in Beowulf’s lap’

Dē hē ọśic on hérge gecēas 2638b
for-that-reason-INS. he-NOM. us-ACC. in army chose
‘therefore he chose us among the host’

b. Him þæt tō mēarce wēarō; 2384b
him-DAT. that-NOM. to limit became
‘that became his life’s limit’
The order between different kinds of pronouns is determined irrespective of their case and may not conform to the basic SO-order. For example, in (26b) the dative personal pronoun precedes the nominative demonstrative pronoun. As another difference between the two types of pronouns, demonstrative pronouns may occur clause-initially as a linking word and there is one in a clause. On the other hand, personal pronouns tend to avoid clause-initial position (cf. Hopper 1975: 35 and Pintzuk 1996: 396-397, 1999: 161) and there are often more than one in a clause.

In coordinate and subordinate clauses, the clause-initial conjunction is followed by other light elements as given in (27) (cf. also 429a and 2707a in (16) and 1590b and 1674b in (17)).

(27) a. Order in coordinate clauses

\[ \text{ac } \ hig \ him \ gebingo \ buðon, \ 1085b \]

but they-NOM. them-DAT. terms offered
‘but they offered them peace-terms’

b. Order in subordinate clauses

\[ \text{þēah } \ hē \ him \ \ þēof \ wēre; \ 203b \]

although he-NOM. them-DAT. dear would-be
‘though he was dear to them’

\[ \text{pā } \ him \ swā \ gebēarfod \ wēs; \ 1103b \]

since them-DAT. so necessitated was
‘since necessity forced them’

\[ \text{Gif } \ ic \  hæt \ gefrīcge \ ofer \ flōda \ begān, \ 1826 \]

if I-NOM. that-ACC. hear over floods expanse
‘if beyond the sea’s expanse I hear that’

Lastly, among personal pronouns, the order is nominative, accusative, and dative: cf. 2707a in (16), 28a and 2089a in (19a), and 2638b in (26a) for the order nominative - accusative; 429a in (16), 2148a in (26a), 1085b in (27a), and 203b in (27b) for the order nominative - dative. The order of oblique case pronouns is accusative - dative: cf. e.g. 1671a in (24b) (cf. also Koopman 1997: 82-83 for Old English in general). There are few examples that show the order of genitive
pronouns with respect to pronouns of other cases. As expected, genitive pronouns follow nominative pronouns, as given in (28).

(28) swā hē hyra mā wólde, 1055b
    as  he-NOM. their-GEN. more would
    ‘as he would have [killed] more’

    þæt ic his ðrest ðē ēst gesægde; 2157
    that I-NOM. his-GEN. first you-DAT. gift should-tell
    ‘that I should first tell you about his gift’

While the status of the genitive pronoun hyra in 1055b is ambiguous, his in 2157a is an example of a genitive pronoun following a nominative pronoun. There are no examples in Beowulf that show the order between genitive pronouns and other oblique case pronouns. In 2157a in (28) above the genitive his does precede the dative ðē, but the latter is both stressed and placed later, which suggests that it is not a clitic. However, there is an example in Genesis that shows the order genitive - accusative, given in (29).³

(29) þonne lēte hē his hine þānge wéaldan: Gen 258b
    then  let  he-NOM. his-GEN. him-ACC. long rule
    ‘then he would have let him rule it in perpetuity’

As already stated, unstressed pronouns and adverbs occur in a sequence given in (23) and are rarely separated by other elements in Beowulf, e. g. (30) where the clause-initial adverb and the unstressed pronoun are separated by the stressed finite verb.

(30) Donne wēne ic tō þē wyrstan geþingea, 525
    therefore  expect  I-NOM. to you-DAT worse results
    ‘therefore I expect the worse results for you’

While pronominal and adverbial clitics may follow the clause-initial stressed word, thus occurring in second position, there is no evidence in Beowulf for discontinuous elements due to cliticization (cf. also Pintzuk 1996, 1999).
Pronominal and adverbial clitics in Old English

To summarize the discussions so far, unstressed pronouns and short adverbs tend to occur in a sequence in clause-initial position or less often after a stressed word. Their distributional properties as discussed in this section suggest that they are sentential clitics.

Notes

1 I am grateful to Hans Henrich Hock for discussions. I also thank two anonymous reviewers for their suggestions for improvement.
2 References are given in Part II.
3 Examples from Old English Beowulf are taken from Klaeber’s (1950) edition. The number refers to the line number and a and b after the line number (e.g. 417b in (11) below) represent the a-verse and the b-verse, respectively. The two verses that form a long line are separated by a space. Alliteration is marked by an underline. Translation to Present-day English is taken from Donaldson (2002) and adapted where necessary.

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参考文献はPart IIに示されています。

旧英語Beowulfの例はKlaeber氏（1950年）の版に収録されています。数字は行の番号で、aとb（例えば（11）以下の417b）はa-句とb-句を示しています。長句の2つの詩句はスペースで区切られています。 культураは下線で示されています。現在の英語への翻訳はDonaldson（2002年）から取り入れられ、必要な部分で適応されました。

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