PIE. Lengthened Grade in Balto–Slavic

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As I have pointed out on several occasions (cf. 1985, 1988a), PIE. lengthened grade is reflected as a circumflex tone in Balto-Slavic. The evidence comprises seven categories:


(2) The sigmatic aorist, e.g. SCR. 1st sg. dōnēh beside donēsoh ‘brought’, ūmrēh ‘died’, zāklēh ‘swore’, infinitive rījet (Dubrovnik) beside rēci ‘say’. This category is reflected in the East Baltic long vowel preterit, e.g. Lith. bēr_ ‘strewed’, lēh_ ‘flew’, srēb_ ‘sipped’.

(3) The 2nd and 3rd sg. form of the sigmatic aorist, where a laryngeal was lost after a lengthened grade vowel, e.g. SCR. dā ‘gave’ < *dōs, lī ‘poured’ < *lēis, as opposed to 1st sg. dāh < *doHs, līh < *leHIs-, cf. Vedic injunctive stōsam ‘I praise’, ješam ‘I conquer’, with full grade vocalism (cf. Kortlandt 1987).

(4) The metatony in the Lithuanian future, e.g. duōs ‘will give’, līēs ‘will pour’, as opposed to buūs ‘will be’, liū ‘will rain’, dialectally also žinōs ‘will know’, stovēs ‘will stand’, kalbēs ‘will speak’ beside rašīs ‘will write’, danūs ‘will do’, sakūs ‘will say’ (Zinkevičius 1966: 361). The metatony reflects the loss of a laryngeal after a lengthened grade vowel in the aorist injunctive, e.g. *dōs, *lēis.


(7) The Lithuanian nom.sg. ending –ė, which was generalized from the root noun which is represented in arklid_ ‘stable’, avid_ ‘sheepfold’, alūd_ ‘pub’, pelūd_ ‘chaff store’, cf. Vedic –dā, Latin –dēs. Here again, the laryngeal was lost after the lengthened grade vowel.
Most of the alleged lengthened grade vowels which do not belong to the categories listed above are the result of Winter’s law, according to which the unaspirated voiced stops of the proto-language have the same reflexes as sequences of laryngeal plus voiced aspirate (cf. Kortlandt 1988b). As I have nothing to add to my earlier discussion of Winter’s law, I shall leave the material where an unaspirated voiced stop of the proto-language is involved out of consideration in the following.


(1) Lith. süolas ‘bench’, Latvian suôls, which he regards as a vrddhí derivation of Gr. sêlmata ‘planks’, Hes. hêlmata, Old Saxon selmo ‘bed’ (cf. Pokorny 1959: 898). This comparison seems quite useless to me. The Greek word cannot be separated from selis ‘cross-beam’, which may represent *twel- (cf. Frisk 1973: 692) if it is of Indo-European origin at all. The Baltic acute tone can easily have been taken from the verb ‘to sit’, where Winter’s law operated.

(2) Lith. votis ‘ulcer’, Latvian vâts ‘wound’, which actually has a circumflex tone in Lithuanian. Rasmussen regards this word as a vrddhí derivation *H₂swâtH₂st of Gr. òtelê ‘wound’ < *owatelnâ, aor. ouêta ‘wounded’ < *H₂utH₂st (sic). This again seems quite arbitrary to me. The Greek words may not be of Indo-European origin. I find it impossible to separate the Baltic words from Lith. vûjês ‘suffering’, pavûjus ‘danger’, vûjus ‘weak’, Latvian vâš.

(3) Latvian smêrês ‘to laugh’, smêjuôs ‘I laugh’, for which Rasmussen adduces Skt. smîtam ‘smile’. The Sanskrit form is Epic and therefore inconclusive. Anyway, the absence of the acute tone from the Baltic present shows that we have to start from *smei-, which agrees with Vedic smâyate ‘smiles’, and that the broken tone of the infinitive cannot have been taken from a present tense stem *smëi-, for which there is simply no evidence.

(4) Lith. lokûs ‘bear’, Latvian lâcâs, which Rasmussen regards as a vrddhí derivation of Lith. lâkti ‘lap’, though the most dangerous animal of the Baltic forest should hardly be thought of as a lapping pet. The comparison is disproved by Old Prussian clohns ‘bear’, which points to *tłâ-, also found in names with Tlôk-. The word may be cognate with Lith. til(k)îs ‘become silent’ if it is of Indo-European origin at all.
Another instance which can be adduced here is SCr. sjęći ‘cut’ (cf. Rasmussen 1992: 187), for which a short vowel is attested in OCS. sekyla ‘axe’. The verb belongs to the same flexion class as SCr. pęći ‘bake’, rèć ‘say’, tęći ‘flow’, but adopted the long root vowel for disambiguation from the root which is preserved in Lith. sękti ‘watch, follow’ and Slavic sočiti ‘indicate, pursue’ (cf. Vaillant 1966: 163). The shortened length of SCr. sjęći was original in the infinitive and the l-participle, which had final stress before they adopted the accent pattern of jěsti ‘eat’ and sjěsti ‘sit down’. It may be recalled here that Slavic does not distinguish between acute and circumflex in originally pretonic syllables.

Rasmussen claims “daß einsilbige Wortformen nur fallende Intonation (Kürze oder Zirkumflex) haben können” (1992: 188). The grain of truth in this statement is that lengthened grade vowels in original monosyllables have circumflex tone. This covers most of the categories adduced above. For instances which do not have a lengthened grade vowel, Rasmussen’s statement is simply false. Besides, the Balto-Slavic circumflex was not falling but developed into a rising tone both in Slavic and in Lithuanian.

In support of his statement, Rasmussen adduces the “unerwartete” circumflex of Lith. tië ‘these’ as opposed to the acute in gerieji ‘the good’. This presentation of the evidence disregards the following data:

1. The circumflex tone of tië is limited to a part of the Lithuanian dialects, including the literary language. Elsewhere the form has an acute tone, as it has in Latvian tiē. It follows that the circumflex tone is the result of a recent local development and cannot be projected back into the Balto-Slavic proto-language.

2. The nom. pl. ending of nominal o-stems is circumflex –ai in Lithuanian. The same ending is found with derived adjectives in –is, e.g. auksiniai ‘golden’, jaunūčiai ‘very young’, which have no neuter, no definite forms, and no mobile stress. It is also found dialectally as an unstressed pronominal ending, e.g. šitai ‘these’, mažieji ‘the small’. It thus appears that circumflex –ai is the phonetic reflex of unstressed *–oī in Lithuanian.
(3) The Slavic evidence confirms that the stress was retracted from the masculine nom.pl. ending *-on at an early stage, e.g. SCr. *vůa 'wolves'. Moreover, stem-stressed neuters became masculines in Balto-Slavic while end-stressed neuters preserved distinct endings, as is clear from the agreement of the Old Prussian material with the Slavic evidence (cf. Kortlandt 1983: 183). As a result, there was a complementary distribution between unstressed *-on and stressed *-aH in the nom.pl. ending of the o-stems. As the neuter ending *-aH was disambiguated into nom.pl. *-aHɛ and acc.pl. *-aHns and stressed i-diphthongs were monophthongized in East Baltic and subsequently became re in the literary languages, the generalization of circumflex -ai in nouns and acute -e in pronouns and most adjectives was a natural development (cf. Kortlandt 1993). Thus, the acute tone of the pronominal ending ultimately continues the laryngeal of the original neuter ending *-aH.

Another piece of evidence which Rasmussen adduces in support of his claim is the personal pronoun Lith. jus ‘you’, Slovene vi, also mi ‘we’, tí ‘thou’. Here again, his presentation of the data is inadequate. As in the case of tíë, the circumflex tone is limited to a part of the Lithuanian dialects, cf. Latvian jūs, Old Prussian iōs, also toū, which have an acute tone. The Slavic pronouns have a falling tone in Slovene but a rising tone in Posavian and southern Čakavian (e.g. Hvar, Vrgada, cf. Jurišić 1973: 78, 215). This points to secondary lengthening of an originally short vowel, which is the phonetic reflex of an acute tone. Slovene kri ‘blood’ has a falling tone because it has mobile stress (Meillet’s law). The expected reflex of the acute tone is actually preserved in the original consonant stems mis ‘mouse’ and nīt ‘thread’, which Rasmussen does not mention. It is also found in the pronoun jaz ‘I’, where the acute tone is a result of Winter’s law.

Another set of data which clearly invalidate Rasmussen’s position is provided by monosyllabic aorist forms without a lengthened grade vowel. Here we find two accent patterns of verbs with an acute root vowel (cf. Stang 1957: 134):

(1) SCr. bītī ‘beat’, gnītī ‘rot’, čūtī ‘hear’, krītī ‘hide’, aor. bī, gni, čū, krī. These words have fixed stress on the root in all Slavic languages.
Thus, I conclude that Rasmussen’s criticism does not stand up to scrutiny. It is based on a highly selective use of the evidence and on a wealth of unwarranted premises. The 19th century tradition of positing a lengthened grade for any unexpected long vowel should be abandoned. A correct evaluation of the accentual evidence from Balto-Slavic requires a detailed examination of the data and their structural relationships. Such an evaluation is of particular importance because Balto-Slavic is the only branch of Indo-European which distinguishes between lengthened grade vowels and long vowels of laryngeal origin.

References

Frisk, H
1973  Grækisches etymologisches Wörterbuch II Heidelberg

Jurišić, B
1973  Rječnik govora otoka Vrgade II Zagreb

Kortlandt, F
1985  Long vowels in Balto-Slavic, Baltistica 21/2, 112–124
1988a  The laryngeal theory and Slavic accentuation, Die Laryngaltheorie und die Rekonstruktion des indogermanischen Laut- und Formensystems, Heidelberg, 299–311
1993  Tokie šaltu rytai, Baltistica 28/1, 45–48

Pokorny, J
1959  Indogermanisches etymologisches Wörterbuch I Bern
Rasmussen, J E

Rasmussen, J E

Stang, C S
1957  *Slavonic accentuation*  Oslo

Vaillant, A
1966  *Grammaire comparee des langues slaves III*  Paris

Zinkevičius, Z
1966  *Lietuvų dialektologija*  Vilnius