THE LITHUANIAN IMPERATIVE SUFFIX -k(i)

In a series of recent articles [Shields 1981b, 1981c, 1982, 1983, Forthcoming a, Forthcoming b], I have attempted to explain the origin of a variety of inflectional and derivational suffixes attested in the verbal constructions of a number of Indo-European dialects by proposing that these elements derive from deictic particles added to verb forms. Specifically, I believe that after such deictics (x) were affixed to third person singular formations in *- \emptyset , two reanalyses were possible:

- (1) *- \emptyset -x>*-x
- (2) *- \emptyset -x>*-x- \emptyset .

The first gave rise to inflectional markers, the second to derivational suffixes. Because the third person singular tends to impose its structure on other members of its paradigm, cf. Benveniste, 1971, these reanalyzed deictics were subject to analogical extension. In what follows, I want to use this same general theory to explain the origin of the Lithuanian imperative ending -k(i).

Before I begin the main line of my argument, a few more words must be said about the theory just outlined. In the first place, Watkins [1962, 90–106; 1969, 49-50] also maintains that in early Indo-European *- θ was the marker of the third person singular. Thus, he says: "Der funktionale Status der 3. Person als zérooder Nicht-Person hat die allgemeine sprachliche Tendenz zum formalen Ausdruck durch ein zéro-Zeichen zur Folge; das bedeutet, dass in der gegebenen syntaktischen Funktion des Prädikats eine Nominalform als Verbalform mit 3. Sg.-Endung θ (zéro) aufgefasst werden kann: Nomen * nek^w $t\rightarrow 3$. Sg. Verb * nek^w $t-\theta$ " [1969, 49]. Moreover, Erhart [1970, 57–58] indirectly lends support to this idea when he observes: "In einem kleinen Teil der Fälle sind die Endungen der 3. Person Sg. akonsonantisch: aind. a, e, gr. ei, e, het. i, a, ari, toch. AB θ , got. θ , lit. a usw...; als ihre Bausteine sind der thematische Vokal und der Präsensdeterminativ i (bzw. r) zu erkennen." I consider such elements to be relics which attest to the use of *- θ as a third-person desinence.¹

¹ I also believe that number distinctions developed in verbal paradigms at a relatively late date, cf. Lehmann, 1974, 263-264. The lack of correspondence between attested non-singular suffixes lends much support to this hypothesis.

In actuality, I have committed myself elsewhere [Shields, 1979, 221; 1981b. 266-268; 1981c) to the view that *-ø marked both the second and the third person of the verb. That is, "Indo-European originally possessed only two personal categories - a personal (first person) and a non-personal (second/third person)" [Shields, 1981b, 266]. In support of this idea, I would point out that *-ø appears as a second-person affix in the singular imperative (e. g., Skt. ája, Gk. ἄγε, Lat. age 'lead') and that Erhart [1970, 113], after a detailed analysis of the formal markers of person attested in the dialects, concludes: "... es bestand wohl damals noch kein Unterschied zwischen der 2. und der 3. Person ...", cf. also Schmalstieg 1977, 1980, 107-108. Only gradually did the non-personal become two distinct categories; in fact, the existence of such undifferentiated second/third person (singular) verb forms as tarnaš 'you left, he left', ešta 'you were, he was', and dāš 'you took, he took' in the Hittite preterite gives direct support to the notion that "the rigid paradigmatic structure for the three persons of the singular, -m(i), -s(i), -t(i), belongs only to the latest period of Common Indo-European, and was completely achieved only after the separation of the dialects" [Watkins, 1962, 105].

The proposal that enclitic deictic particles were incorporated into the verbal system of Indo-European and the early dialects is not new. Watkins [1962, 102-103] argues that *i, a deictic with 'here and now' signification, was frequently combined with various verbal suffixes, including the third person singular ending *-ø: "When we speak of a 3 sg. ending as in dhās-ø, this does exclude the further presence of some element or component which is non-personal in nature. One common such element in Indo-European was -i, the deictic particle of the hic et nunc. This particle was freely combinable with the personal endings, as in -m/-mi, -t//-ti, -nt/-nti. We know furthermore that the free combinability of this particle existed down through the period of the formation of the individual dialects, since these show divergent utilizations of -i. It has been suffixed to the perfect endings -a. -tHa, -e in Italic -ai, -tai, -ei > Lat. - \bar{i} , -(is) $t\bar{i}$, - $\bar{i}(t)$. The same occurred independently in the Hittite hi-conjugation: -ha, -ta, (,*-e?) \rightarrow -hi, -ti, -i. In Slavic the same change $-a \rightarrow -ai$ is attested in 1 sg. $B\check{b}\partial\check{b}$. We know as well that IE -i was combinable with a 3 sg. zero ending as is proved by the Greek thematic 3 sg. present -ei < -e+i, where -e is simply the thematic vowel. The Hittite hi-conjugation 3 sg. -i may also contain deictic -i suffixed to a zero ending. The deictic -i alone, suffixed to the bare root with zero ending, occurs finally in a very archaic category in Indo-Iranian: the 3 sg. aorist passive. The most archaic form of this class in the Rig Veda is jani 'was born', which shows the absence of the secondary vrddhi as in jáni." In Shields [1983, 121] I state that "Safarewicz [1974, 52] explains the motivation for the addition of this deictic particle to verbal forms: 'The function of the element -i was to strengthen the formation in which this element appeared

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It may be supposed that by means of strengthening the indicators of the person in the present tense these endings gave it the meaning of actual present tense, that is to say, the present tense in precise meaning'." In other words, because the Indo-European verbal system was built on aspectual opposition, cf. Safarewicz [1974, 51-52] "tense and the time of action were not indicated by means of verbal affixes. Indications of the time of the action were given by means of particles or adverbs or were implicit in the aspects of the verb forms" [Lehmann, 1974, 139]. It was only "in late PIE" that "features of tense became predominant," with inflectional endings marking temporal distinctions (Lehmann, 1974, 189-190).

I have also proposed elsewhere [Shields, 1981b, 273-274; 1983, 122-123] that the Indo-European system of spatio-temporal relations was binary in naturethat is, it was organized simply as [± Proximal]. Traugott [1978, 374] explains: "As a deictic, tense is basically a Proximal-Distal relation In some languages [± Proximal] [i. e., now/not-now (then)] may be the only organization of tense, without any concept of time-line.... Orientation to a time-line involves division of then into past and future." "It is my belief that this latter development occurred only in late Indo-European and its dialects. In early Indo-European I feel that *i expressed 'now' and that ... other deictic particles denoted various degrees of distance from that temporal point" [Shields, 1981b, 273]. Gonda [1956, 28-29] also ascribes the same binary system of now/not-now to Indo-European: "From various idioms it appears that, temporally as well as spatially, the main distinction often is between the near and the far, between the here-and-now, or here or now, and the not-here, there, or not-now In Sanskrit, tatra 'there' when used in a temporal sense, can refer to the past ... and the future Cf. G. πότε 'at some time or other', τότε 'at that time, then' which are used in reference to the past as well as the future Do we err greatly if we consider these words to reflect an ancient distinction: now-here: not-now-here?"

I believe that a deictic particle in *k existed in Indo-European. Markey (1980: 280-281) argues that "an archaic deictic particle ... *k ... figures in the formation of, for example, Lat. ci-s; Gmc. $h\bar{e}$ -r, O. E. $h\bar{e}$, Goth. hi-mma, OHG. hi-tumum (cf. Lat. ci-timus), Goth. hi-dre (cf. Lat. ci-tra); OIr. ce-n, Corn. ke-n, Gaul. du-ci; Hitt. $k\bar{a}\bar{s}$, ki- $\bar{s}\bar{s}an$, directly comparable to Lat. ci-s; Gk. *ky- in Ion. $\sigma\eta\tau\sigma\varsigma = Att. \tau\eta\tau\sigma\varsigma$; Lith. $\bar{s}is$; OCS si; Arm. s- (radical of the 1st pers. demonstrative, this' hic, near the speaker, opposed to d-=near the person spoken to, 'that' iste, n-=near a third person, far from the speaker and person spoken to, 'that' ille). Note, further, OIr. ol-chen(a)e 'besides', lit. 'beyond (and) on this side of it', where ol- is comparable to OLat. ollus > ille; possibly also in OIr. bith-cé 'this world'; OIr. cen-alpande=Lat. cis-alpine" The original deictic force of *k seems to have been "Ich-Deixis," cf. Brugmann [1911, 322] and Friedrich [1974, 134—

135], as the Armenian data indicate,² although the dialectal evidence generally points to "Dieser-Deixis," cf. Shields Forthcoming b.³ The problem of identifying the original signification of *k is emphasized by Markey [1980, 291] when he says that "there is hardly semantic identity within and across dialects for deictic elements," cf. Specht [1947, 303; 309]. Still, I would suggest that *k originally possessed "Ich-Deixis" and then began to lose some of its deictic force, perhaps as a result of competition with *i to determine the primary marker of the 'here and now'. As *i became the principal exponent of this function, *k shifted its primary meaning to "Dieser-Deixis", though some relic occurrences of *k with stronger deictic force give testimony to its original signification. In short, when *k was affixed to verb forms, it was a non-present indicator.

It is this deictic particle *k with reduced deictic force which I believe is found in the Lithuanian imperative suffix -k(i). It may perhaps be objected, however, that deictic *k was subject to the satem palatalization in Pre-Baltic, as Lith. šis implies. But the palatalization of *k here is a result of the fact that in Indo-European the $[\hat{k}]$ allophone of the phoneme */k/ appeared before a following front vowel, cf. Allen [1978, 101], and that this allophone was subject to the satem palatalization. In absolute final position, the tendency to palatalize was not as great, although I must admit that "unmotivated conversions of velar to palatal" [Allen, 1978, 104], i. e., the palatalization of non-fronted allophones of */k/, are attested. Still, the suggestion that the deictic particle *k is realized in Lithuanian as both š and k is in keeping with the existence of other such palatalized and non-palatalized doublets in Baltic and Slavic, "e. g. OCS κ лонити, слонити, Lith. k lãnas,

² Brugmann [1911, 322-323] presents additional dialectal evidence "für die alte ich-deiktische Natur der \hat{k} -Pronomen," but the only direct evidence he cites is provided by Armenian. More significantly, Friedrich [1974, 135] notes that the Hittite demonstrative $k\bar{a}$ - can be used in reference to the speaker.

³ In terms of deictic force, Schmid [1972, 10] characterizes "Dieser Deixis" as p₃ on a scale of p₁ to p₆, with p₁ constituting the 'here and now' ("Thema: Sprecher") and p₆ constituting extreme distance from that point and time ("nicht näher bestimmt").

⁴ Although Kerns and Schwartz [1971, 14] and Endzelins [1971, 242] view Lith. -k(i) as an original particle, they offer no explanation as to how or why it appears in the Lithuanian imperative. Indeed, Kerns and Schwartz [1971, 14] merely say that the Lithuanian imperative marker -k(i) "possibly" derives from "an asservative particle" *qe-," while Endzelins makes no attempt at identifying the element.

⁵ I thus subscribe to the hypothesis of Meillet [1964, 91-95] and Lehmann [1952, 8] that Indo-European possessed only two voiceless velar consonant phonemes $-|\mathbf{k}|$ and $|\mathbf{k}\mathbf{w}|$ — with \hat{k} constituting an allophone of $|\mathbf{k}|$. As Allen [1978, 104] points out: "... it is a general characteristic of most satem languages, persisting into their individual histories, to palatalize the velar consonants before front vowels." See Shields, 1981a, for a further discussion of my views regarding the satem palatalization.

šlieti; ... Lith. kleivas, šleivas; Lith. glibti, žlibti; kliaukti, šliaukti; glegžnas, žlegžnas [Kortlandt, 1978, 240], cf. Shields, 1981a, 211.

Of course, "in Lithuanian now the usual (for the second and first person) imperative forms are made from the infinitive stem with the particle -ki, e. g. second person sg. imperat. eîk(i) 'go' (cf. Lat. ī 'go'), second person plur. imperat. eîkite (dual eikita), first person plur. imperat. eikime 'let's go' (dual eikiva)," while in the third person imperative of Modern Lithuanian "generally the particle te-, tègu- (tegù-), tègul- (tegùl-) is prefixed to ... [the] indicative form," e. g., tèperka 'may he buy' [Endzelins, 1971, 242]. But "in the oldest Lithuanian texts there occur imperative forms of the third person in -k or -ki alongside of second person singular forms in -k or -ki," e. g., Buk walia tawa kaip Dangui taip ir Szeme 'May your will be both in heaven and on earth' [Ford, 1970, 71 – 72]. 6 This third person suffix in -k(i) eventually "was replaced ... by the permissive formation with te-," which "does not occur in the oldest Lithuanian manuscript text" [Ford, 1970, 74]. The secondary nature of the -i component of the ending is demonstrated by its optional use. -ki probably originated from a contamination of -k with an imperative marker in -i. Endzelins [1971, 243] points out that "in old Lithuanian texts and in dialects here and there we find second person singular forms with -i which have the meaning of an imperative," e. g., vedi 'lead'.

I would now like to suggest that there existed in Indo-European a second/ third person non-present verbal formation in *- φ -k which was reanalyzed as *-k. The original unity of the second and third persons naturally explains the "very strange" fact "that the same formant -k(i) should serve for both the second person singular and third person singular imperative" [Ford, 1970, 71]. From the second/third person, *-k was extended to other members of the verbal paradigm, as suffixes like Lith. -kime attest. The limitation of the non-present construction in *-k to imperative function is a result of the general principle that "the indication of the imperative seems typically to intersect with deictic categories" [Weinreich, 1963, 151]. "Thus, in his study of universals regarding the nature of future tenses, Ultan [1978, 102-104] confirms that one of the most common atemporal functions of the future tense is the indication of imperative mood (as well as a number of other modal categories). He explains this phenomenon as resulting from 'the fact that most modal categories refer to differing degrees of uncertainty, which correlates with the element of uncertainty inherent in any future event ...' [1978, 105]. Since the meaning of the particle ... [*-k], as I have described it, would have embraced the concept of futurity, as well as that of past time [in the Indo-Euro-

⁶ Ford [1971, 74] argues convincingly against Stang's view [1929, 177] that the third person singular imperative forms in -k(i) are a result of Polish influence.

pean binary system of spatio-temporal relations], this particle, too, would have expressed inherent uncertainty. Because of this fact, it bore a natural affinity to existing markers of the imperative mood" and was integrated into the imperative paradigm [Shields, 1983, 123]. What this means is that the Lithuanian imperative element -k had essentially the same origin as the **u**-element found in the imperative of, e. g., Hittite (3 sg. imper. -u, -tu, etc.) and Sanskrit (3 sg. imper. -tu, etc.). [See Shields, 1983, for details.]⁷

If one assumes that the Lithuanian imperative in -k(i) derives from an original non-present formation, then it is easy to explain its relationship to other dialectal verbal constructions in *-k. As Markey [1980, 290-291] observes, "the k-enlargement is found in Tocharian, Italic, Venetic, Greek (also Mycenaean), and Phrygian," and in each of these dialects it is "initially preterital (perfect, aorist)," e. g., Gk. (perf.) dedora 'I have seen'. Of course, in late Indo-European and the early dialects, "both of the PIE perfective aspect forms, the aorist and the perfect, were shifted to preterite-tense forms as opposed to present-tense forms..." [Lehmann, 1974, 190]. I believe that during the time of this shifting, nonpresent verb forms in *-k were integrated into the perfect and aorist systems of some dialects, although the late date of this integration results in much dialectal variation in the way the adaptation proceeded. Lithuanian shows a somewhat greater divergence from other dialects in its unique specialization of non-present formations in *-k in imperative function, but this specialization is quite consistent with the principles of linguistic evolution.

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⁷ On the existence of a deictic particle u with non-present signification, see also Hirt, 1927, 11-12.

⁸ Kerns and Schwartz [1971, 14] briefly note that an etymological relationship may exist between the Greek "first perfect" and "the k-extension of the Lith. imperative".

^{*}k in the Greek agrist and perfect, but he says nothing about the Lithuanian imperative in -k(i). Specifically, he argues that the deictic particle *k "was employed to affirm a diathetic contrast; external-active vs. internal-middle" (1980: 284). I leave open the question of the particular developments which led to the specialization of k-formations in other Indo-European dialects, although 1 do not feel that the original purpose of adding deictic *k to verbs was to mark diathesis; rather, as I indicate above, I see the function of all deictics affixed to verb forms as temporal in nature. I should point out that in Shields Forthcoming b I argue that the deictic particle *k appears in contamination with the non-singular marker *-s in the iterative (cf. Dressler, 1968) verbal suffix *-sk- (c. g., Gk. -σκ-, Lat. -sc-).

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SMULKMENA LVII

A. Antanavičius 1985.VII.22 laiške siūlo jotvingių žodynėlio (žr. Baltistica XXI (1), p. 61 tt.) wikruoti lenkiškąjį atitikmenį skaityti kaip vieną žodį zwyciężywać, o ne kaip du žodžius zwycie ir žywać, atskirtus kableliais (žr. p. 67, žodį 198 ir p. 81 s. v. wikruoti). Iš tikrųjų kablelis gali priklausyti raidei e ir rodyti, kad ji yra nosinė, nes panašiai ę raidė rašoma ir kitur, pvz., zęb 5, szczęście 31, kśięrzyc 62, będę 68, tęcza 81, pamiętać 122, język 124, mięso 146, pięć 178, imię 205. Plg. atitinkamą ą rašymą žodyje ćiąć 82. Taigi A. Antanavičiaus pastaba verta dėmesio. Tuo atveju wikruoti turėtų reikšti ne 'gyventi' ar pan., bet 'nugalėti, imti viršų (vikrumu)'. Sąsaja su lie. vikrùs, vikruolis, vikrėti ir kt. šiuo atveju dar įtikinamesnė.