

ROMANIAN IOTACIZATION AND THE MORPHOLOGY OF SECOND PERSON SINGULAR PRESENT VERB-FORMS. THE TYPE (TU) *VII*, (TU) *RĂMÂI*

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Abstract. This study seeks to understand, from a comparative-historical perspective, the origins of Romanian second person singular present-tense verb-forms of the type *vii*, *rămâi*, alternating with the root-allomorph *vin-*, *rămân-*. It is argued that neither the historical emergence of this type, nor its subsequent resistance to analogical levelling, can be satisfactorily explained in ways traditionally proposed in the Romanian historical linguistic literature. Appeals to phonological conditioning as the explanation of the alternant's emergence, and to avoidance of homonymic clash as the explanation of its subsequent persistence, seem untenable. Rather, at work in both cases is the analogical influence exercised over verbs having root-final nasals by a pattern of alternation characteristic of verbs having root-final dentals. This abstract and essentially morphological analogical conditioning is argued to operate even when the dental alternation might still be considered to be phonologically conditioned.

Keywords: Romanian; verb; iotacization; morphology; analogy; morphomic structure; homonymic clash

1. 'IOTACIZATION' IN ROMANIAN

'Iotacization' (in Romanian, *iotacizare*) occupies a prominent place in Daco-Romance historical phonology and morphology². It properly denotes historical processes of palatalization and/or affrication of consonants triggered by immediately following yod or, under certain circumstances, by immediately following [i]. However, the term 'iotacized' (*iotacizat*) is also used to describe the resultant morphological alternations. Iotacization alternations, affecting root-final consonants, permeate Daco-Romance verb morphology, and have the following phonological manifestations:

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² See, for example: Morariu (1927; 1929); Pușcariu (1937a: 70–73; 1937b: 257–259); Ivănescu (1948=2012); Pop (1952); Iancu (1965; 1966); Vasiliu (1968); Sala (1976: 119–136; 225–232); Saramandu (1992); Calotă (1986: 276–278); Donovetsky (2011); Maiden (2011).

non-iotacized root-final consonant		iotacized root-final consonant
<i>t</i> [t]	~	<i>Ț</i> [ts]
<i>d</i> [d]	~	<i>z</i> [z] (older [dz])
<i>s</i> [s]	~	<i>ș</i> [ʃ]
<i>n</i> [n]	~	<i>i</i> [i] ³
(<i>r</i> [r])	~	<i>i</i> [i]

Examples of these alternations may be observed in in Table (1), which shows the present, and third person subjunctive,⁴ forms of a number of verbs. The phenomenon principally and most extensively affects non-first conjugation verbs: in the first conjugation, only the second person singular present is ever affected, and root-final consonants [n] or [r] are (almost) never affected at all.⁵ In the non-first conjugation verbs, iotacization is much more extensively represented in older Romanian, or in modern dialects, than it is in the twenty-first century standard language. For this reason I have placed in parentheses, alongside their modern equivalents, alternants which are no longer current. The nature and history of the elimination of these iotacized alternants will be addressed later in this study.

Table (1). Effects of iotacization (underlined) in verb morphology

a. Iotacization in first conjugation verbs: *cânta* ‘sing’, *uda* ‘wet’, *suna* ‘sound’, *ara* ‘plough’, *lăsa* ‘let’

	PRS	SBJV	PRS	SBJV	PRS	SBJV	PRS	SBJV	PRS	SBJV
1SG	<i>cânt</i>		<i>ud</i>		<i>sun</i>		<i>ar</i>		<i>las</i>	
2SG	<u><i>cânți</i></u>		<u><i>uzi</i></u>		<i>sun</i>		<i>ari</i>		<u><i>lăși</i></u>	
3SG	<i>cântă</i>	<i>cânte</i>	<i>udă</i>	<i>ude</i>	<i>sună</i>	<i>sune</i>	<i>ară</i>	<i>are</i>	<i>lase</i>	<i>lase</i>
1PL	<i>cântăm</i>		<i>udăm</i>		<i>sunăm</i>		<i>ară</i>		<i>lase</i>	
2PL	<i>cântați</i>		<i>udați</i>		<i>sunați</i>		<i>arați</i>		<i>lăsați</i>	
3PL	<i>cântă</i>	<i>cânte</i>	<i>udă</i>	<i>ude</i>	<i>sună</i>	<i>sune</i>	<i>ară</i>	<i>are</i>	<i>lase</i>	<i>lase</i>

b. Effects of iotacization (underlined) in non-first conjugation verbs: *simți* ‘feel’, *vedea* ‘see’, *ieși* ‘go out’, *coase* ‘sew’, *veni* ‘come’, *sări* ‘jump’:

³ The pronunciation tends to be [i] syllable- or word-finally, and [j] syllable-initially, although Romanian linguists often transcribe [i] in both contexts. Because the difference between these variants seem genuinely allophonic, and for clarity of exposition, I have here transcribed the sound as [i] in either context.

⁴ The first and second person forms of the subjunctive are, almost without exception, identical to those of the present, so need no further separate consideration.

⁵ There are at most three first conjugation verbs in which we may find iotacization in the first person singular present and the third person subjunctive. These are *mâna* ‘drive (cattle)’, *amâna* ‘postpone’ (e.g., 1SG.PRS *mâi*, *amâi*, 2SG.PRS *mâi*, *amâi*, 3SBJV *mâie*, *amâie*) and, in some dialects *speria* ‘frighten’ (1SG.PRS *spai*, 2SG.PRS *spai*, 3SBJV *spaie*). In the first two verbs we have a kind of suppletion, in which forms of the non-first conjugation verb (*rămâne* ‘stay, remain’, with inherited iotacization, have intruded in to their paradigms (see Morariu 1927: 305; Lombard 1954/1955: 270–273). The position with *speria* is more difficult, but again the existence of a non-first-conjugation variant of this verb seems to be part of the explanation (see Morariu 1927: 288, 297; Lombard 1954/1955: 941f.).

	PRS	SBJV	PRS	SBJV
1SG	<i>simt</i> (<u>simt</u>)		<i>văd</i> (<u>văz</u>)	
2SG	<i>simți</i>		<i>vezi</i>	
3SG	<i>simte</i>	<i>simtă</i> (<u>simtă</u>)	<i>vede</i>	<i>vadă</i> (<u>vază</u>)
1PL	<i>simțim</i>		<i>vedem</i>	
2PL	<i>simțiți</i>		<i>vedeți</i>	
3PL	<i>simt</i>	<i>simtă</i> (<u>simtă</u>)	<i>văd</i>	<i>vadă</i> (<u>vază</u>)
1SG	<i>ies</i>		<i>cos</i>	
2SG	<i>ieși</i>		<i>coși</i>	
3SG	<i>iese</i>	<i>iasă</i>	<i>coase</i>	<i>coasă</i>
1PL	<i>ieșim</i>		<i>coasem</i>	
2PL	<i>ieșiți</i>		<i>coaseți</i>	
3PL	<i>ies</i>	<i>iasă</i>	<i>cos</i>	<i>coasă</i>
1SG	<i>vin</i> (<u>viu</u>)			
2SG	<i>vi</i>			
3SG	<i>vine</i>	<i>vină</i> (<u>vie</u>)		
1PL	<i>venim</i>			
2PL	<i>veniți</i>			
3PL	<i>vin</i>	<i>vină</i> (<u>vie</u>)		
1SG	<i>sar</i> (<u>saiu</u>)			
2SG	<i>sari</i> (<u>sai</u>)			
3SG	<i>sare</i>	<i>sară</i> (<u>saie</u>)		
1PL	<i>sărim</i>			
2PL	<i>săriți</i>			
3PL	<i>sar</i>	<i>sară</i> (<u>saie</u>)		

The origin and morphological distribution of the iotacized alternants is mostly uncontroversial. They are attributable to the effects of a proto-Romance yod, which produced palatalizing or affricating effects on immediately preceding consonants. Thus, the forms historically underlying 1SG.PRS *simt* and 3SBJV *simtă*, 1SG.PRS *văz* and 3SBJV *vază*, 1SG.PRS *viu* and 3SBJV *vie*, and 1SG.PRS *saiu* and 3SBJV *saie* are, respectively, **sentjo* (< SENTIO), **sentja* (< SENTIA(N)T), **'vedjo* (< UIDEO), **'vedja* (< UIDEA(N)T), **'venjo* (< UENIO), **'venja* (< UENIA(N)T), **'saljo* (< SALIO), **'salja* (< SALIA(N)T). The second person singular forms *cânți*, *simți*, *uzi*, *vezi*, *lași*, *ieși* (pronounced *kint^s*, *simt^s*, *uz^j*, *vez^j*, and usually *laf*, *je^f*) are also phonologically explicable through a Daco-Romance rule of palatalization/affrication of the relevant consonants in the historical environment of an original following [i]. This alternation unfailingly affects the second person singular of *all* verbs containing the relevant root-final consonants. There was also widespread analogical extension of the effects of iotacization by yod into other non-first conjugation verbs in root-final [-t], [-d], [-n], and [-r], which would not, historically, have undergone phonological iotacization because they did not originally contain yod (see, e.g., Pop 1952: 206–208). Typical examples are *vinde* ‘sell’ (1SG.PRS *vânz*, 3SBJV *vânză* for expected, and modern standard, *vând*, *vândă*), *scoate* ‘remove’ (1SG.PRS *scoț*, 3SBJV *scoață* for expected, and

modern standard, *scot*, *scoată*), *pune* ‘put’ (1SG.PRS *pui*, 3SBJV *puie* for expected, and modern standard, *pun*, *pună*), *cere* ‘ask for’ (1SG.PRS *cei*, 3SBJV *ceie* for expected, and modern standard, *cer*, *ceară*). Further, dialectal, examples may be seen in *ALRII* maps 1922, 1926, 1941, 1945, 2057, 2060, 2062. My concern here, however, is the nature and origin of the *paradigmatic* distribution of the alternations,⁶ rather than their *lexical* extensions (for a discussion of the theoretical significance of the analogical spread and retreat of these alternations through the Romanian lexicon, see, e.g., Maiden 2011).

2. THE PROBLEM OF THE SECOND PERSON SINGULAR PRESENT TYPES VII, PUI, SAI, CEI

Romanian non-first conjugation verbs whose roots end in [n] and [r] show the alternant [i] in the second person singular present.⁷ In the case of root-final [n], this is true almost without exception; in the case of root-final [r], the alternant [i] is absent in the modern standard language, but well attested in the older written language and in dialects. No other kind of alternant is attested: we either find [i], or we find no kind of iotacization in this context. My view is that the presence of [i] in the second person singular present is doubly anomalous in the history of Romanian and the Daco-Romanian dialects. It is anomalous because its existence in that particular cell of the paradigm cannot be explained as an effect of sound change, and it is also anomalous because, in the face of later elimination (analogical levelling) of the iotacized alternants, as observable in Table (1), the [i] alternant shows obstinate persistence just in the second person singular: exceptionlessly in the case of verbs in [n], very commonly for verbs in [r]. So, not only is [i] in these cases a historical ‘intruder’, but it is also a ‘squatter’, in that it stubbornly refuses to leave when threatened with eviction. To account for these aberrant historical behaviours, I need first to explain why I dissent from two widely held views, namely that second person singular present forms such as *vii*, *pui*, *sai*, *cei* are in fact the result of sound change, and that their subsequent failure to be eliminated is motivated by avoidance of potential homonymic clash with the first person singular.

3. THE TYPES VII, PUI, SAI, CEI ARE NOT THE RESULT OF SOUND CHANGE

It has been assumed, notably in an influential paper by Pop (1952: 199, 214–217), but also, for example, by Ivănescu (1948=2012: 245, 259, 264), Iancu (1965: 285), or Saramandu (1992: 83), that iotacized second person singular forms of verbs with root-final

⁶ The iotacized alternant generally also appears in the gerund. The origins and history of iotacization in the gerund are discussed in detail in Maiden (2011). Since the gerund is not particularly relevant to the behaviour of the second person singular present forms, which are at issue here, I do not discuss the gerund in this study.

⁷ I am assuming here that [i] is the segment that alternates with [n]. In principle, [i] could also be analysed as the second person singular inflexional ending, in which case the lexical root has no final segment. The question is probably otiose, since a sequence of root-final [i] followed by an inflexional ending [i] would in any case resolve as a single [i].

nasals (or root-final [r]) have a purely phonological origin, as direct reflexes of proto-forms *'puni, *'vini, *'sari (< *'sali), and so forth. However, iotacized second person singular forms such as *vii*, *ții*, *pui*, *spui*, *rămâi*, *cei*, *sai* do not appear explicable phonologically. The Latin etyma for these forms are UENĪS, TENĪS, PONIS, EXPONIS, REMANĪS, QUAERIS, SALĪS. It is likely that all of these endings (-IS, -ĪS, -IS), emerged as *-[i] in proto-Daco-Romance (for detailed defence and illustration of this view see, e.g., Maiden 1996), and the comparative evidence of modern Daco-Romance varieties points consistently to an original common second person singular ending *-[i], so that the proto-forms would have been something like *'veni, *'tjeni, *'poni, *'es'poni, *'re'mani, *'keri, *'sali. Now, final *[ni], *[ri], *[li] regularly yield, respectively, [nⁱ], [rⁱ], [lⁱ], where [i] reflects the normal development of final unstressed *-[i] under most phonological circumstances. That this is the normal development is shown not only by first conjugation verbs, such as *sunī* [sunⁱ] 'you sound', but equally by nominal morphology, where the reflex of *-[i] is a plural marker: e.g., *bunī* [bunⁱ] 'good_{MPL}' (< *'boni), *căini* [kɨiⁿ] 'dogs' (< *'kani), *oameni* ['wamenⁱ] 'people' (< *'omeni), *surori* [su'rorⁱ] 'sisters' (< *'so'rori), *pari* [parⁱ] 'poles' (< *'pali), *meri* [merⁱ] 'apple trees' (< *'meli). Indeed, non-iotacized second person singular forms of the type *puni* (or *puri* reflecting rhotacism of intervocalic [n]), showing the regular phonological development, are well attested in early Romanian texts where, in contrast, the corresponding first person singular present and third person subjunctive forms do show iotacization (cf. Sala 1976: 229).

Now [i] actually is a phonological reflex of nasals or laterals originally followed by *[i], but only where – unlike the foregoing examples – those nasals or laterals were originally *long* (Pușcariu 1937: 257f.; Vasiliu 1968: 133; Gheție and Mareș 1974: 158, 163; Sala 1976: 228–232; Avram 1990: 159)⁸. The original development is *[nni] > [ɲ], and *[lli] > [ʎ], a phase well preserved in trans-Danubian dialects. In most Daco-Romanian varieties, both of these palatals merge as [i]. Thus *'anni 'years' yields *ai* [ai] in old Romanian (and in modern dialects of north-western Transylvania, Crișana, and Maramureș, and of Moldova east of the Prut). In fact *ai* happens to be the only clear example of this development for the nasal in Daco-Romance, but there is more evidence for the lateral: e.g., *'valli > *văi* 'valleys', *'ka'valli > *cai* 'horses', *'kalli > *căi* 'ways', *'elli > *ei* 'they'. In contrast, *single* *[n] and *[l] (the latter becomes [r] intervocalically, e.g., *'pali > *pari*) never emerge as [i] when followed by *[i]. In short, second person singular present forms such as *vii*, *pui*, *sai* do not seem explicable phonologically. A second person singular present form in [i], alternating with [n] or [r], is always of purely morphological origin.

⁸ The existence, in some dialects, of plurals [plu'miⁱ] or [plə'miⁱ] 'lungs' (see, e.g., *NALRBanat* map 95, points 37 Ferendia, and 68 Delinești), corresponding to standard Romanian *plămâni*, is not evidence for a sound change *[nⁱ] > [i], although it has sometimes been so interpreted (see Byck and Graur 1967: 58; Cazacu 1966: 126f.). The fact that it occurs in Banat, where [i] is *not* the regular output of palatalization of [n], perhaps suggests that we may be dealing with some kind of hypercorrection, speakers equating their indigenous development, namely [ɲ], with standard Romanian [i]. Note that in the examples given above, the singular also contains yod (e.g., plu'miⁱje), apparently analogically extended from the plural.

4. HOW DID THE TYPE VII, ȚII, RĂMĂI, (SAI) EMERGE?

If the iotacization in second person singulars of verbs in root-final [n] (and [r]) has no phonological origin, then where does it come from? I submit that it is no coincidence that the [i] alternants only appear in verbs which also have, or had, the iotacized alternant in the first person singular present and the third person subjunctive. This, by the way, is why the [i] alternant never appears in the first conjugation, for first conjugation verbs lack iotacized first person singulars present and third person subjunctives. Recall that [i] (the outcome both of [ɲ] and of [ʎ]) has a regular historical phonological explanation in the first person singular present and third person subjunctive of such verbs, where it is the reflex of *[nj] and *[lj]: e.g., REMANEO, REMANEA(N)T > *re'manjo, *re'manja > *re'mi.ɲu, *re'mi.ɲa > *rămăiu, rămăie*; SALIO, SALIA(N)T > *saljo, *salja > *sa.ɮu, *sa.ɮa > *saiu, saie*. The conclusion seems to me inescapable that the [i] found in the second person singular present of these verbs is analogically introduced from those other cells of the paradigm where there is an iotacized alternant. But why? The most plausible explanation is one that seems to have enjoyed relatively little favour among Romanian scholars, apart from Vasiliu (1968: 112) and Sala (1976: 229), namely Sextil Pușcariu's appeal to a kind of proportional analogy based on the iotacization pattern of verbs with root-final dentals. Recall that in these latter, the iotacized alternant systematically appears not only in the first person singular present and in the third person subjunctive, as a result of proto-Romance affrication before yod, but also in the second person singular present, as a result of later Daco-Romance affrication before [i]: e.g., UIDEO, UIDES, UIDEA(N)T > *vedjo, *vedi, *vedja > *vedzu, *vedi, *veɟa > *văz, vezi, văză*; SENTIO, SENTIS, SENTIA(N)T > *sentjo, *senti, *sentja > *sentsu, *sentsi, *sentsa > *simț, simți, simță*. On the model of these dental verbs, where the same iotacized alternant is thus shared by first person singular present, second person singular present, and third person subjunctive, verbs with the iotacized alternant [i] in the first person singular present and third person subjunctive introduce that alternant into the second person singular present. This is what is proposed by Pușcariu (1937b: 257f).⁹

Par analogie avec quelques verbes tels que *eu auz* (< audio) – *tu auzi* (audis), on a introduit dans les verbes ayant un *n* à la fin du radical la consonne mouillée aussi à la seconde personne: *eu viñ* – *tu viñi* (au lieu de *vini*), *eu țiñ* – *tu țiñi* (au lieu de *țini*). En dehors du dialecte istro-roumain, qui conserve aujourd'hui encore les formes *tu viri* (< *vini*), *tu țiri* (*țini*), tous les autres connaissent exclusivement les formes *tu ții* (< *țiñi*), *tu vii* (< *viñi*), aroum. *tine țiñi, tine viñi*, még. *tu [f]oñ, tu viñ*.

This explanation, invoking morphological analogy, seems the only available and plausible one for the second person forms. Note, however, that the type of analogy involved is relatively abstract, since it says, in effect, that just as in verbs with root-final dentals the alternant found in the first person singular present and third person subjunctive present is

⁹ Pușcariu only discussed verbs with nasal roots, and assumed that the analogy took place when the iotacized alternant was still [ɲ], in his transcription, *ñ*.

also found in the second person singular present, so in verbs with root-final nasals (and root-final [r]) the alternant found in the first person singular present and third person subjunctive present will also occur in the second person singular present. In terms of phonological content, the alternants implicated are quite different: on the one hand [t] ~ [ts], [d] ~ [(d)z], on the other [n] ~ [ɲ] ([ɲ]).

5. DEIOTACIZATION

5.1. Typology and geography of deiotacization

‘Deiotacization’ is the process by which original iotacized alternants are eliminated from the verb in favour of their non-iotacized counterparts. Deiotacization does not, however, usually affect the second person singular present, and this is the central question that will concern us shortly. I focus, first, on the deiotacization of the first person singular present and third person subjunctive forms, which have been subject to the phenomenon, in differing degrees, across Daco-Romance. As the examples in Table 1 above reflect, deiotacization has gathered considerable ground over the past few centuries. Of the four segments which have iotacized alternants in the relevant cells of the paradigm, namely [t], [d], [n], and [r], the dentals are those most consistently affected by deiotacization over the widest geographical area.¹⁰ Indeed, trans-Danubian dialects almost¹¹ never show the iotacized dentals in the first person singular present or third person subjunctive, even in verbs which must, historically, have undergone iotacization: e.g., reflexes of *‘audjo’ ‘I hear’, *‘vedjo’ ‘I see’, *‘patjo’ ‘I suffer’, *‘vedja’ ‘see_{SBJV}’ > Istro-Romanian ‘avdu, ved, Aromanian ‘avdu, ved, pat, ‘veadə. Dentals are also deiotacized in a continuous area comprising western, northern, and eastern Daco-Romanian, except for southern Transylvania, Munții Apuseni, eastern Oltenia, Muntenia, and parts of southern Dobrogea.

Deiotacization of verbs with nasal-final roots in those morphological environments is much more geographically restricted. It is general in trans-Danubian dialects (e.g., *‘tenjo’ ‘I hold’, *‘venjo’ ‘I come’, *‘tenja’ ‘come_{SBJV}’ > Aromanian ‘tənu, ‘tənə, ‘jinu, Megleno-Romanian tən, vin, Istro-Romanian ‘siru, ‘viru), but exceptions are detectable¹², and the deiotacization appears to be of relatively recent date. In Daco-Romanian, deiotacization is absent in the third person subjunctive in southern Crișana, Banat, Hunedoara, and north-west Oltenia, and for the first person singular present in two distinct areas: southern Crișana, the Banat, Hunedoara, and western Oltenia, and in eastern Maramureș, northern Moldova, and northern Dobrogea. Finally, the [r] ~ [ɲ] alternation is truly rare, perhaps unsurprisingly if we bear in mind that the only cases of such alternation attributable to historical sound change are those where [r] is historically *[l], there having been no

¹⁰ For the geographical extent of the deiotacizations in Daco-Romanian, see Pop (1952: 218–220), Saramandu (1992: 84–86), Donovetsky (2011:142). Also *ALRII* maps 1911, 1938, 1942, 1950, 1953, 1958, 2053, 2059, 2061, 2063, 2065, and *ALRSinteza* maps 40, 63, 228, 232.

¹¹ But see Morariu (1927: 309).

¹² See Popovici (1914: 100) for remnants of iotacization of [n] in the first person singular present in the Istro-Romanian of Brdo (e.g., ‘vijū ‘I come’). See also Morariu (1927: 308).

iotacization of *[r]. The alternation [r] ~ [i] is completely absent from modern standard Romanian and trans-Danubian dialects (Iancu 1965: 284n30). It is absent from reflexes of subjunctive *'dolja (< DOLEA(N)T) 'hurt' in central and western Oltenia, Banat, Crișana, western Transylvania, western Oaș, as well as in eastern Maramureș, eastern Transylvania, Bucovina, northern Moldova, and almost all of Muntenia and Dobrogea, and absent over an even larger area for reflexes of SALIO, SALIA(N)T 'jump'.

5.2. Resistance of the second person singular present to deiotacization, and traditional explanations of deiotacization

There is a widely held view in Romanian historical linguistics that there is a causal link between the resistance to deiotacization of the second person singular and the motivation of deiotacization. Specifically, many Romanian linguists (e.g., Morariu 1927: 308; Ivănescu 1948=2012: 252; Pop 1952: 233; Calotă 1986: 276–278; Saramandu 1992: 84; Marin, Mărgărit, Neagoe 1998: 105) argue, or accept, that deiotacization, or at any rate deiotacization of the first person singular present, is at least partly motivated by *avoidance of homonymic clash* with the second person singular present indicative. In a nutshell, the idea is that in alternations such as 1SG.PRS *șez(u)* 'sit' – 2SG.PRS *șezi*, or 1SG.PRS *rămâi(u)* 'stay' – 2SG.PRS *rămâi*, the phonological distinction between the inflexional endings becomes compromised as a result of sound change, making the two verb-forms actually, or practically, indistinct. This allegedly vexing homophony is resolved by replacing the first person singular allomorph with the allomorph found elsewhere in the paradigm (*șed-*, *rămân-*), whence the situation found in the modern standard language with alternations such as 1SG.PRS *șed* ~ 2SG.PRS *șezi*, or 1SG.PRS *rămân* ~ 2SG.PRS *rămâi*.

This idea seems to me to present, however, multiple difficulties. 'Avoidance of homonymic clash' is, generally, too blunt a tool in explaining morphological change (cf. also Lass 1997: 355–358). If some change has the effect of differentiating expressions whose forms would otherwise be identical, then it is always tempting to appeal to disambiguation of homophony as the explanation; but the role, if any, played by disambiguation in real morphological change remains scarcely understood, and there is permanent risk of falling into the trap of 'teleologism', by confusing the effect with the cause. Morphological forms do not exist in a vacuum, but are uttered in circumstances in which there are multiple other contextual clues as to (say) the person and number of the subject. And if real risk of ambiguity still arises, speakers generally already possess disambiguatory strategies without having to invent new ones. In Romanian, for example, potential confusion between *auz* 'I hear' and *auz(i)* 'you hear' could readily be resolved by use of an overt subject pronoun (e.g., *eu auz* 'I hear' or *tu auzi* 'you hear'). The hypothesis of avoidance of homonymic clash is dogged by another, fundamental, problem which has largely been ignored, namely that the alleged process of avoiding homonymic clash tends to *create* it! The cost of avoiding homophony between 1SG *auz* and 2SG *auzi* by replacing the former with *aud*, is that there arises a new homonymic clash with the existing third person plural present form, which is *aud*. In fact, it is systematically true in modern Romanian non-first conjugation verbs that the third person plural present is homophonous with the first person singular present. Speakers' alleged strategy for avoidance of homophony between first person singular and second person singular seems, then, singularly imprudent, since they leap out of the frying pan straight into the fire. If Pop

(1952: 211, 212) observes that there is a ‘tendance d’avoir des formes bien distinctes pour les trois personnes du singulier’, or that the homophony between first person singular present *văd* and third person plural *văd* is of a kind ‘tolérée par le roumain’, he merely describes the situation, rather than providing any real explanation of it.

‘Homophony avoidance’ also predicts that deiotacization should be less liable to occur where there is additional root-allomorphy distinguishing first person singular from second person singular, than where there is not: thus the vocalic allomorphy in the Daco-Romanian verb *vedea* ‘see’ (1SG *văz* – 2SG *vezi*) might be expected to make this verb less liable to deiotacization in the first person singular than verbs with no such allomorphy, since there is no risk of homophony. But the geographical area of deiotacization in the first person singular present of this verb is effectively identical to that of deiotacization of *auz* ‘I hear’, where risk of homophony with the second person singular is clearly greater (cf. Pușcariu 1994: map 36). Just as unexpected, if the deiotacization in the first person singular present is really a matter of distinguishing it from the second person singular present, is the diachronic behaviour of *putea* ‘be able’. This verb originally had, across Daco-Romanian, a first person singular present iotacized form *pociu*. The origin of this form is problematic (see Zamfir 2005: 419, 423f., 428), but the relevant point here is that the corresponding second person singular present form has always been *poți*, so that there was no risk of homophony. In most modern Romanian dialects, excepting some northern and western varieties, *pociu* has nonetheless been replaced by *pot*, showing the root-final dental characteristic of the whole of the rest of the paradigm.

Appeal to homophony avoidance also seems blithely to ignore the fact that Romanian verb morphology is shot through with enduring syncretisms (mainly of phonological origin), without any sign of general pressures to eliminate them. Thus, distinctions of number have for centuries been systematically neutralized in the third person of all subjunctives (3SG.SBJV *cânte, facă, doarmă* = 3PL.SBJV *cânte, facă, doarmă*), and in the first conjugation present (3SG.PRS *cântă* = 3PL.PRS *cântă*); the distinction of person and number is now always neutralized between the first person singular and third person plural present in non-first conjugation verbs (1SG.PRS *fac, dorm* = 3PL.PRS *fac, dorm*); the distinction between present and imperfect is neutralized in the second person plural of first conjugation verbs (2PL.PRS *cântați* = 2PL.IPF *cântați*), and so forth. This is not to say that there are no cases which might be interpreted as disambiguation (cf. old Romanian imperfect 1SG *cânta* = 3SG *cânta* = 3PL *cânta* > modern 1SG *cântam* ~ 3SG *cânta* ~ 3PL *cântau*), but it is never clear that a disambiguatory effect reflects a disambiguatory motivation, especially if the change actually results in new homophony, as it does in the case of the new 1SG *cântam* which, replacing earlier *cânta*, becomes identical to 1PL *cântam*.

One consideration that might, however, lend some support to the hypothesis that deiotacization is motivated by homophony avoidance is the fact that, in dialects where iotacized forms are recessive but not extinct, there is sometimes an asymmetry such that the first person singular is deiotacized, but the third person subjunctive is not (see Maiden 2011 for a survey)¹³. Since the third person subjunctive never (in any relevant case) shows

¹³ Iotacization is also extensively preserved in the gerund, another environment in which there is no risk of ambiguity: cf. modern Romanian 1SG.PRS *văd* ‘see’, 3SBJV *vădă*, GER *văzând*; 1SG.PRS *scot* ‘remove’, 3SBJV *scoată*, GER *scoțând*. However, the gerund in Daco-Romanian is a major locus of aberrant, both conservative and innovative, morphological behaviour which is by no means limited to the iotacized forms. For further discussion, see Maiden (2011: 79f.).

syncretism with other forms of the verb, there might be argued to be no need for deiotacization. This asymmetry, which is principally observable for the [n] ~ [i] alternation, may readily be seen, for example, in *ALRII* maps 1938/2059 or 1958/2065 (also Pușcariu 1994:334/map 49), especially in Maramureș, Bucovina, and Moldova, where the type 3SBJV rə'mije 'stay', 'vije 'come', often alternates with the type 1SG.PRS rə'min, vin. The situation in western Romania is described as follows in Maiden (2011:77)¹⁴:

Beloțu (point 970 [*NALROltenia*]) has 1SG.PRS/SBJV vəd, simt, sar, tsin, rə'min, vin vs 3SBJV 'vazə, 'simtə, 'sarə, 'tsije, rə'mije, 'vije. The fact that the [z] alternant survives in this dialect in the subjunctive form 'vazə is actually exceptional for central Oltenia, where the normal pattern is vəd 'vadə. Reflexes of SALIRE in central and western Romania do show occasional cases of elimination from the subjunctive rather than the 1SG.PRS/SBJV (e.g., 972 Mărăcine saï – 'sarə). A survey of materials from the regional linguistic atlases (*NALRBanat* and *NALRCrișana*) for Banat and Crișana, as well as the data from *ALRII* vol. VII, strongly bears out this picture, with coherent levelling for root-final dentals, and largely also for root-final nasals and [r], but with a systematic pattern of asymmetry in cases of incoherence, such that levelling affects the 1SG present and subjunctive rather than the the third person subjunctive.

As Maiden goes on to show, there are also occasional 'asymmetrical' deiotacizations in the heartland of iotacization in central and southern Romania but, for example, data from Transylvania show only a very weak tendency to affect just the first person singular present, and there are plenty of cases where it is the subjunctive, not the first person singular present, that deiotacizes. To the extent that there is a tendency to deiotacize the latter, rather than the former, it can credibly be argued that this reflects not homophony avoidance, but the arguably higher frequency of use of the third person subjunctive over the first person singular present in Romanian (for discussion, see Maiden 2011: 77).

Crucially, the facts of Daco-Romanian deiotacization need to be seen in the wider Daco-Romance perspective. Asymmetrical deiotacization favouring the first person singular present over the third person subjunctive is, in fact, exceptional. It does not occur at all in trans-Danubian dialects and, although detectable in some Daco-Romanian varieties, it rarely affects dentals and is often found alongside the opposite type of asymmetry, in which the subjunctive is deiotacized. The fact that the subjunctive is usually just as subject to iotacization as the first person singular present is, indeed, inconsistent with appeal homophony avoidance, since the third person subjunctive is morphologically distinct from other verb-forms.

It is not just that deiotacization *sometimes* occurs where there is no risk of homophony, for it *normally* does. We have seen that deiotacization is general in Aromanian, yet here there is extensive retention of the distinction between first and second person singular inflexional endings, and good reason to believe that deiotacization significantly predates major neutralization of those endings. Overall, reflexes of both [-u] and [-i] survive extensively, particularly after consonant clusters (Capidan 1932: 263–65,

¹⁴ I adapt some presentational details of the original.

285–287; Vasiliu 1968: 81). Thus, when Ivănescu (1948=2012: 254) adduces the Aromanian first person singular present form *șād* ‘sit’ to support his view that loss of final [u] motivates deiotacization in Aromanian as well, he overlooks the fact that the historically underlying form was *șādzu* or *ședzu*, containing a phonological environment (the affricate [dʒ]) in which [u] would not have been deleted (cf. Capidan 1932: 445):¹⁵ this verb is, therefore, one in which one would *not* expect to find deiotacization. Istro-Romanian has total deiotacization of first person singular present forms, yet the inflexional marking of the second person singular, -[i], is robustly maintained in all verbs (Pușcariu 1926: 90), and -[u] is also quite often preserved in the first person singular (Pușcariu 1926: 98), so in Istro-Romanian, too, it appears that deiotacization in the first person singular has taken place in circumstances where there was no risk of homophony: e.g., 1SG *ved* ‘see’ 2SG *vezi* 3SG *vεde* 1PL *ve'dem* 2PL *ve'dets* 3PL *vedu*.

In Daco-Romanian, the circumstances in which there is real risk of homophony are also much rarer than sometimes assumed. Deiotacization occurs in standard Romanian, yet here final -^j generally survives after [ts] and [z]: therefore, replacement of, say, 1SG *rāz* [riːz] ‘laugh’ ~ 2SG *rāzi* [riːz^j] by 1SG *rād* ~ 2SG *rāzi* takes place in the absence of true homophony. The perceptual distinction may be low, but it is still there. Dialects where the distinction between the endings of the first and second persons singular really is phonologically neutralized are indeed found over much of western and northern Romania, in regions where there is also deiotacization in the first person singular, but the match remains very far from perfect. Thus, final -^j and/or first person singular -^w is well preserved in parts of Crișana, Maramureș, and north-western Transylvania where deiotacization is also well established: cf., e.g., *ALRII* map 1950, where the type 1SG *a'ud^w* ‘hear’ ~ 2SG *a'uz* (point 250, Petreștii-de-Jos).¹⁶ The presence of deiotacization in the first person singular occurs in Romanian dialects in which original *-[u] persists as lip-rounding on the root-final consonant leads Ivănescu (1948=2012: 254) into the, frankly, circular argument that if deiotacization occurred in the presence of this persistent phonological distinction, that proves that the distinction was not sufficient – thereby contradicting his own claim (1948=2012: 258) that deiotacization only occurs where the distinction is phonologically neutralized. In any case, the allegedly undesirable homophony is widely tolerated in Daco-Romanian, at least in verbs showing root-final [ɨ] in first and second persons singular present. Thus *ALRII* maps 1938 and 1941 show, respectively, the type 1SG *rə'miɨ* ‘stay’ = 2SG *rə'miɨ* in twelve localities and 1SG *spuɨ* ‘say’ = 2SG *spuɨ* in seventeen, in Moldova, Dobrogea, and Muntenia. Finally, if avoidance of homophony were a motivation for deiotacization, we should expect verbs with root-final nasals to be just as susceptible to the phenomenon as those with root-final dentals, but the dialectal deiotacization of the former has a much smaller geographical extent than that of the latter.

What all the foregoing indicates is that deiotacization was not motivated in any significant measure by avoidance of homophony. But then what did cause it? My suggestion is simple: deiotacization is a common-or-garden example of analogical levelling, such that the alternant found in most of the paradigm, or at any rate in such

¹⁵ Similarly, 2SG.PRS *ședză* < **ʃedzi*.

¹⁶ On the issue of preservation of marking of first person singular alongside deiotacization, see also Iancu (1966: 273n23).

prominent and highly frequent parts as the third person singular and plural present, ousts the minority alternant contained in the first person singular present indicative. So if we have *văd* ~ *vadă*, or *rămân* ~ *rămână*, for older *văz* ~ *vază*, and *rămâi* ~ *rămâie*, it is because, for example, the third person present forms, and the infinitive, and the imperfect, and so forth, contain [n] and [d] (3SG.PRS *rămâne*, 3PL.PRS *rămân*, INF *rămâne*, IPF *rămâne*; 3SG.PRS *vede*, 3PL.PRS *văd*, INF *vedea*, IPF *vedea*). What we see is no different from ‘deiotacization’ elsewhere in Romance, as when old Italian 1SG.PRS.IND *veggio* ‘see’ ~ 3SG.PRS.SBJV *veggia* yields modern *vedo* ~ *veda* (cf. 3SG.PRS.IND *vede*, 3PL.PRS.IND *vedono*, INF *vedere*, IPF.IND.3SG *vedeva*), or when older ‘iotacized’ Ibero-Romance forms such as those still observable in Portuguese 1SG.PRS.IND *meço* ‘measure’ (< Lat. METIOR) ~ 3SG.PRS.SBJV *meça* (cf. 3SG.PRS.IND *mede*, 3PL.PRS.IND *medem*, INF *medir*, IPF *media*) emerge in Spanish as 1SG.PRS.IND *mido* ~ 3SG.PRS.SBJV *mida*. Yet if the Romanian iotacized alternant is removed as a result of general analogical levelling from the first person singular and the third person subjunctive, the obvious question is why is it not equally removed from the second person singular present. Why do we get 1SG.PRS *rămân* and 3SBJV *rămână*, but not also 2SG.PRS ***rămâni*?

5.3. Why the second person singular present resists deiotacization

It is indeed puzzling that one never finds a second person singular present such as ***rămâni* [rə'mi'nɨ]¹⁷ – especially given that in the second person singular present of *first* conjugation verbs this type is normal, and that it even occurs in some non-first conjugation verbs (e.g., *cerni* [tʃernɨ] ‘you sieve’). If one poses the same question with regard to verbs with root-final dentals, however, the answer seems patent. The reason why we always get *vezi* [vezɨ], *simți* [simtsɨ], *auzi* [a'uzɨ], *trimiți* [tri'mitsɨ], never ***[vedɨ]*, ***[simtɨ]*, ***[a'udɨ]*, ***[tri'mitɨ]*, is that the latter forms would violate the constraint that word-final [dɨ] and [tɨ] are impossible¹⁸. Wherever we find a root-final dental, it alternates with [ts] / [z] before -[ɨ]. This is true of all first conjugation verbs, even though in every other part of the paradigm these verbs display the dental (e.g., 1SG.PRS *cânt* ‘sing’, 2SG.PRS *cânți*, 3SG.PRS *cântă*; 1SG.PRS *ud* ‘wet’, 2SG.PRS *uzi*, 3SG.PRS *udă*). It is also true of all nouns and adjectives (e.g., MSG *ud* ‘wet’ FSG *udă* MPL *uzi* FPL *ude*; FSG *coadă* ‘tail’ FPL *cozi*; MSG *lat* ‘wide’ FSG *lată* MPL *lați* FPL *late*; MSG *frate* ‘brother’ MPL *frați*), and of all neologisms (e.g., MSG *byte* ‘byte’ MPL *byți*).

It seems to me that the only plausible explanation for retention of the iotacized alternant in the second person singular of verbs in root-final [n] is that it reflects the analogical influence of the *pattern of alternation* typical of the dental class: deiotacization is blocked in verbs with root-final dentals for apparently phonological reasons but, because this happens in the second person singular of the dental verbs, deiotacization is also, analogically, blocked in the second person singular present of verbs in root-final [n] (and often for root-final [r]). Significantly, this is not the first time in the history of Romanian that the alternation [n] ~ [ɨ] in the second person singular has shown itself to be somehow

¹⁷ Except, for example, in dialects of western Romania where **-[ni]* and **-[nɨ]* merge phonologically.

¹⁸ The exception is final [ʃtɨ] (and the extremely rare [ʒdɨ]).

them. I give examples here in the third person singular present: *spune* ‘says’; *pune* ‘puts’; *(ră)mâne* ‘stays’; *vine* ‘comes’; *ține* ‘holds’. In contrast, verbs in root-final dentals are far more numerous, even without counting their derived forms: e.g., *pierde* ‘loses’, *vinde* ‘sells’, *rade* ‘shaves’, *tunde* ‘shears’, *cade* ‘falls’, *prinde* ‘catches’, *roade* ‘gnaws’, *șade* ‘sits’, *vede* ‘sees’, *râde* ‘laughs’, *aude* ‘hears’, *crede* ‘believes’, *închide* ‘closes’, *decide* ‘decides’, *ucide* ‘kills’; *bate* ‘beats’, *trimite* ‘sends’, *poate* ‘can’, *simte* ‘feels’, *pute* ‘stinks’, *minte* ‘lies’, *scoate* ‘removes’, *împarte* ‘shares’, *înghite* ‘swallows’, *ascute* ‘sharpens’.

6. CONCLUSIONS

I have argued that the pattern of ‘iotalized’ root-allomorphy in the second person singular present, characteristic of verbs with root-final dentals has, not once but twice in the history of Daco-Romance, exercised a powerful analogical influence on other types of alternation associated with iotalization. This influence is notably abstract, in that it is not a matter of analogical replication of the concrete phonological alternations [t] ~ [ts], [d] ~ [z] (although this, of course, happens), but of replication of the historically accidental pattern of distinctive root-identity between first person singular present, third person subjunctive, and second person singular present and, later, of the pattern of alternation caused by the survival of a differentiated alternant just in the second person singular present.

Both of these morphological phenomena might be viewed as ‘morphomic’ in the sense that they are autonomously morphological in nature (see especially Maiden 2011). They are recurrent and robust parts of the architecture of Romanian morphology, but it is synchronically impossible to claim that they are triggered by some non-morphological factor. The set of cells ‘first person singular present + third person subjunctive + second person singular present’ is irreducible to any morphosyntactic natural class. The first time that the ‘dental’ class exercises its morphological influence on the ‘nasal’ class there is a fairly clear structural parallel in the relevant patterns of alternation: the nasals, like the dentals, show a distinctive alternant in the first person singular and third person subjunctive, and since that same alternant appears in the second person singular present of the dental class, so that pattern of sameness is analogically introduced into the second person singular of the nasal class. When deiotacization occurs, the existing similarities of patterning between the dental class and the nasal class act in such a way that the process of elimination of the iotalized alternants in the dental class, characteristically blocked in the second person singular present, displays parallel blockage in the process of deiotacization of nasals. The course of the diachronic levelling of iotalized dentals is ‘mimicked’ by that affecting nasals.

It might be thought that phonological conditioning could still be invoked to explain some of what we observe. After all, the reason that the second person singular present form of verbs in root-final dentals becomes identical to the allomorph of the first person singular and third person is precisely affrication before original final $-[i]$ ($> -[tʃ]$), and the reason why deiotacization is later blocked in that same cell of the paradigm is the resulting phonological constraint in Romanian that words cannot end in $**-[tʃ]$ or $**-[dʃ]$.²⁰ Yet we

²⁰ I do not intend here to investigate in detail the phonological status of the constraint against dental + [ʃ]. The fact is that the potential for such a sequence only arises at the boundary between lexical root and inflectional ending. With the arguable exception of *marți* ‘Tuesday’ (but cf. the definite form *martea*), all instances of final $-[ʃ]$ in combination with dental roots are analysable as

have seen that the iotacization, and later non-deiotacization, of the second person singular present in verbs with root-final nasals, are not explicable phonologically. In brief, however much phonological factors may have determined, and might continue to determine in synchrony, the iotacization of dentals, the resultant alternations are also plainly *morphologized*, in that only a morphological analogy can explain the projection of the alternation patterns into the nasal verbs. In fact, the nasal verbs are not the only source of evidence that iotacized alternant in the second person singular present of verbs in root-final dentals is morphologized independently of any phonological conditioning. In some Daco-Romanian dialects the alternation between [t] and second person singular present [ts] has been analogically introduced into verbs with *root-internal* [t], where the dental is not in fact adjacent to the putative conditioning environment. This type can be seen from *ALRII* maps 1891/1892 (first person singular, second person singular, and third person present tense forms of *a pieptăna* ‘to comb’) and 1887 (first person singular and second person singular of *a vătăma* ‘to wound’), illustrated in Table 4.

Table 4. Analogical extension of iotacization to root-internal dentals

	1SG	2SG	3SG
551 Pîpirig	'ceptən	'ceptsən ⁱ	'captənə
682 Somova	'k'leptən	'k'leptsən ⁱ	'k'aptənə
316 Sânnicolaiul-Român	'vatəm ^w	'vatsəm ⁱ	
987 Topraisar	'vatəm	'vatsem ⁱ	

Here, too, the iotacized alternant has clearly become morphologized, regardless of whether its original phonological conditioning environment persists. Speakers have again assigned a purely morphological analysis to alternations which, taken in isolation, might appear to invite purely phonological explanations.

ABBREVIATIONS

<i>ALRII</i>	= Petrovici (1956-)
<i>ALRSinteza</i>	= Saramandu (2005-)
<i>NALRBanat</i>	= Beltechi <i>et al.</i> (1980-)
<i>NALRCrișana</i>	= Stan and Urișescu (2000-)

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inflectional endings: that is to say that the phonological constraint, if real, is inherently circumscribed to a morphological environment and in that respect already inherently morphological.

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